



# Scope

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## Palomar Amateur Radio Club Inc.

Scope (USPS #076530) Vol. XXVII No. 1, January 2001, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085. Dues \$12/yr or \$21/family/yr (includes newsletter subscription, \$3 in SDCo. & \$4 out of SDCo.) Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

**POSTMASTER:** Send address changes to SCOPE, P.O.Box 73, Vista CA 92085-0073.  
See pg. 12: Contents, Club Calendar, Repeater Use, PARC Frequencies, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

## Club Meeting

Charlie Ristorcelli NN3V@arrl.net  
(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

### January Program:

We start the New Year with a program dedicated to the combination of Ham Radio with the California State Park System. Come and join us for a fascinating presentation by KF6NPN (Roland) on his work as a California Park Ranger, and how Ham Radio assists the park's employees and visitors in the enjoyment of the beautiful natural resources of California.

Roland will also talk of opportunities he sees for improved amateur radio service use in the Park system.

73 de NN3V

(see page 11 for more on KF6NPN -Ed)

## February EVENT:

The month of February marks a PARC landmark, as PARC was FOUNDED 65 years ago this month!!

There have been many changes to our hobby since then. Can you imagine what Packet Radio, or PSK-31, or APRS was like back then?. Just think of what people would have said had a ham mentioned the idea of a satellite radio system!.

And be assured that there are some folks who have seen it all since then,

and have been members of PARC for all those years!. So, MARK YOUR CALENDAR for a small birthday celebration, and plan on joining us in February for a special time of remembrance. 73 de NN3V

## Coming Events.

Jan. 1st, Mon Happy New Year  
Jan. 3rd, Wed Club meeting  
Jan. 10th, Wed Board meeting

## Program Ch.Notes:

Knowing that many of you have lots of things to keep you busy, and that planning social and hobby events is best done in advance, I've been doing some planning ahead on the topics for PARC programs.

So, get your calendars out, and set aside the first Wednesday of every month for the monthly PARC meeting. To stimulate your interest, here is a rundown of the PARC programs planned for the first 1/2 of 2001:

**February** - Satellite Communications. Come and get a first look at all the things that go into the hamshack and activities of the ham who is interested in this fascinating hobby, delving in to radio capabilities never envisioned in the early days of our hobby. Read on for a SPECIAL FEBRUARY EVENT!

**March** - Sometimes tall towers, and large antennas are NOT the answer for the ham who needs unique communica-

tions capabilities. Come out and discover that "Sometimes the lowly dipole is the right antenna".

**April** - The Pleasures Of A Good QSL. Rediscover the pleasures and etiquette involved in QSLing. This program will include a fascinating review of the modern way QSL cards are printed, and give you ideas and ways of saving bundle\$ of buck\$ on your next QSL order.

**May** - An astronomy primer. Come out and enjoy a fascinating presentation on the history of the Palomar Mountain Observatory.

**June** - Dayton just finished. Come see the newest rigs. We are discussing with the principal Ham Radio manufacturers (yes, you know who they are), the possibility of having a demonstration of the latest toys to grace the candy factory. Stay tuned (HI HI HI).

## FIELD DAY:

A couple of thoughts about Field Day.

Yes, you wonder how it is possible to start talking about this now, but hey, June is almost here.

First, I made a BIG BLUNDER in

Join the Palomar Amateur Radio Club!  
Send: Callsign(expiration date), class license, name, address, Zip+4, phone, e-mail, & \$12 single (\$21 family) to PARC, POB 73, Vista CA 92085-0073.

last month's FD comment. It is a blunder everyone makes sooner or later about FD.

FD is the "FOURTH COMPLETE WEEKEND IN JUNE", and NOT repeat NOT the last weekend in June as I said last month. So, while usually the last weekend in June is the same as the fourth complete weekend in June, it is not always so. In any event, MARK YOUR CALENDARS for Saturday June 24th., and Sunday June 25th., 2001, and come join us for FD.

Second, we will start our Field Day planning net in January. Anyone who wishes to participate in FD 2001, is interested in hearing the kinds of things we plan to accomplish, or interested in working some of the work parties we will have to get ready for FD 2001, please join us on the 146.730 repeater.

First FD planning net will be on Wednesday 17 January at 8:30 PM, and weekly thereafter. See you at FD!  
73 de NN3V

## Scope Reading Stats:

Well, I always maintain that no one reads e-mail, and no one listens to voice mail. I am now wondering how many of you read the Scope. My challenge last month asked you to send me an e-mail proving you read the Scope, or just walk up to me to tell me you saw my challenge, and in either mechanism give me ideas of programs you would like to see.

Well, of the 530 Scope issues mailed, I received 14 responses!. That's not a great track record, but I am pleased to say that of the 14, I had 6 great ideas given to me for Programs.

BUT, PLEASE!. Give us some ideas of what you like as a program, or enjoy the pain as you just sit through the things that fascinate me most, and you will probably see them over, and over, and over, and over, and .....

## Last meeting (not quite)

The November meeting was another great talk by **W6YOO** Harry who this time talked on **IOTA** which is the

**Island On The Air** DX program. A grand time was had by all.

"Goodie" donations came from **NN3V** Charlie, **W6SST** Jim, **KE6ZLY** Glenn, **W6ABE** Ed, **KB6YHY** Anita, and **W6OLQ** John. You receive an extra activity point for your generosity.

**KD6TUJ** Dennis & **W6SST** Jim took care of the Goodie Table. **W6SST** who has helped take care of the coffee and goodie table for the past several months had the misfortune of having his name and call kept getting lost in little "piles" of paper.

Attendance was 57 with 5 guests.

## Board Mtg. (Minutes)

**David Patterson** **WB6DAV@Juno.com**

**Next meeting at W6GNI QTH**

*(Club members are invited to Board meetings at Board members QTH's at 7pm on the Wednesday following the club meeting as announced herein. You receive one participation point for attending. A copy of the complete minutes are at the general meeting.)*

**Board Mtg. December 13th, 2000**

Called to order by vice-president **NN3V** at 6:59pm **W9FQN** acting secretary.

**Members present;** Helmut **OE8SOQ**, Charlie **NN3V**, Al **W6GNI**, Jo **KB6NMK**, Stan **W9FQN**, Mark **KF6WTN**, Dave **WB6DAV** & Alan **N2DCA**.

**Mbrs. absent :** Mike **AB6QT**

**Guest(s)** Steve **KD6WRL**, Ted **KF6BFI**

**Meeting** called to order at 1900 Hrs.

Treasurers report read and approved. A bill was submitted from John **WB6IQS** for materials to light the storage bldg. Secretary's report approved as written in Scope.

Stan reported (1) that the 220 Club agreement was sent to them the first part of Dec. and ask for a reply by the end of Jan. (2) the trailer known as the "Taco Wagon" was torn down last Sunday. (3) That a donation was approved to be picked up. (4) That the 447 machine is having some problems and will be addressed in the near future.

Mike **AB6QT** reported in on the 2 meter repeater and said that he will look into the 447 and 2 meter repeaters in the next few weeks.

Steve **KD6WRL** representing **MARA** would like to bring a group up to the repeater site and clean up the brush to cut down on fire danger. Also help out any way they can. A tentative date was set for April 14 next year.

Charlie **NN3V** ask board members to call those members that were behind on dues. He also will start the Field Day Net starting on the first Wed. in Jan. at 2000 Hrs. (146.730 -Ed)

Next board meeting to be held at Al **W6GNI**'s house.

Meeting adjourned at 2000 Hrs.

## Club Membership

Al Donlevy **W6GNI** **aldonlevy@Juno.com**

Do you have a ham friend that should be a member of Palomar Amateur Radio Club?

It has become even easier to obtain membership application forms. Now, the membership form is available from the **PARC** web site, ready to be printed, filled out, and mailed.

Check the web site:

<http://members.home.net/parc/>

Of course for renewals, all we need is your check, with call sign, either at a meeting, or mailed to PO Box 73, Vista, CA 92085-0073.

If you change call sign, please give the old call, and the new one, so that we update the correct record! E-mail any changes to **aldonlevy@juno.com**.

73 and Thank you.

## BFI / SAX Thanks

Many thanks to Ted Wilcox, **KF6BFI**, and Marsh Parker, **WA6SAX**, who served the Board and the club as directors this past year.

**KF6BFI** served for ??? years.

## Long AGOGO (history)

**WA6KZN-K6HAV-KI6JM(st)-W9FQN**

*(The purpose of AGOGO is to recall info on file in previous editions of the Scope -Ed)*

(12-99)... **W9FQN** Scope editor 10yr; '99 Field Day Scores; Restructuring ham bands; new autopatch system ..

(12-90)... attendance 86 with 27 guests; news from **USS Independence**

# P.A.R.C. Inc (2000 Board)

**Pres:** Allen Maslowski **N2DCA** 858.642.2400x1229  
N2DCA@amsat.org  
**VP:** Charlie Ristorcelli **NN3V** 858.676.3307  
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AB6QT@amsat.org  
**MSH:** Al Donlevy **W6GNI** 760.630.3096  
aldonlevy@juno.com

Board Mtg. 7:00 pm Wednesday of week following the Club meeting as announced.

## Treasurer \$\$, \$\$\$

Jo Ashley  
KB6NMK @amsat.org  
See me at club mtgs for "hard copies" of financial statement(s).

Past months "projects/available": ↓

Location/due	8.31.00	9.30.00
CD#4-08.19.98	2,327.27	2,339.29
CD5#2-10.09.98	2,485.89	2,497.68
CD1#3-05.24.98	2,439.89	2,452.19
CD#1-08.13.99	2,965.10	2,979.17
Checking	4,983.89	4,776.69
Post Office	100.18	108.18
CaSt+CD's	15,302.22	15,145.20
Pre-Pd.dues/lib	5,921.00	5,754.00
projects/available	9,381.22	9,391.20

02.31.96	\$7,884	10.31.99	\$10,191
02.31.97	\$4,880	11.30.99	\$9,638
02.28.98	\$8,414	1.31.00	\$10,212
2.28.99	\$10,118	6.31.00	\$9,161
4.30.99	\$8,546	7.31.00	\$8,812

Routine: Scope printing ~\$250/mo; Scope postage ~\$65/mo; electricity ~\$250/mo; phone ~\$50/mo = ~\$615/mo. (Insurance each Nov. ~\$1,100/year)

Under consideration: 6m repeater spare ~\$200; 449.42 repeater spare ~\$200; spare antennas ~\$700; etc ~\$1,100.

Approved expenses not spent: \$100 tent trailer, ~\$100

### Last month's Scope Helpers:

Thanks to Art and Anita for the folding space and the refreshments. Really great cookies. (the greatest!)

**KB6YHZ** Art & **KB6YHY** Anita  
**W6GNI** Al & **K6ML** Jim  
**N6UZH** Terri & **MY2KID**  
**KB6NMK** Jo & **N6OYG** Victor  
**N6FMK** Bill & **KG6AEW** Bill  
**KC6WAN** Ralph & **W6HCD** Nash  
**W9FQN** Stan & **WASACE** Sonny

KB6EPO; publisher's report;  
(AGOGO not in December -Ed)

(01-00)... New officers N2DCA Pres, NN3V VP, Treas KB6NMK, Sec W6GNI, Dir#1 KF6BFI, Dir#2 W6SAX; appointments W9FQN, AB6QT, & KD6IVR; Y2K problems?; ULS by W6SAX; KF6WTN program on fuses; attendance 73 with 5 guests; new autopatch information on new computer system; Goat Canyon Trestle hike; new heliax; PALBBS info ..

(01-91)... New officers W9FQN Pres, KI6JM VP, W6HCD Sec, KK6LX Treas, W9FQN Scope, KB6NMK membership; meeting Lincoln Middle School; Attendance 61 with 11 guests; prefixes for 1st patch system; listing of club stations in SDCo ..

## AK6Z SK SK

It has been reported that there is the possibility that Shirley G. Lee who lives in Vista passed away this past month.

## President's Message

Allen Maslowski N2DCA@amsat.org

Last month in the presidents message I talked about teamwork. I referenced a true story about the Seattle Special Olympics. That story was all about working as a team to accomplish a common goal. The Board of Directors of PARC is not alone. Every member is part of the team. Without your support of PARC, we would not have the club we have today. The Palomar Amateur Radio Club was founded in 1936. We're coming up to being in existence for 65 years. That's nothing to sneeze about. That teamwork I mentioned produced one great amateur radio club. I am convinced that the efforts of the present membership will continue the legacy of our fine club, and help build PARC to new levels in the amateur community. These efforts will take some work.

In the next couple of months,

PARC will need some extra support. Yes, this is a call for volunteers to help with various tasks that need to be accomplished. The tasks are varied and will be printed in a future SCOPE. If you can help with any of these tasks, it will be greatly appreciated. Remember, to get anything worthwhile, it does take a commitment and some effort for enjoyment.

Regarding the programs that PARC has at the general meeting, the last year provided the attendees with some valuable information. That information ranged from Dxpeditions to the constant struggle with CCR's. I've seen the list for the up and coming year. If you think the programs were interesting in 2000, wait until you see the programs that PARC will have in the year 2001.

I know field day isn't until June, but it's never too early to start preparing for the Field Day 2001. PARC was only 500 contacts away from being in first place. I have confidence that this year, under the leadership of the field day chairman, NN3V, Charlie will get us over the top so that the QST magazine next year will report PARC as the first place winner. You can find out what Charlie has in mind by checking elsewhere in the SCOPE for the Field Day article. Remember teamwork got us to second place. That was real easy.

Now let's try for that first place standing in the USA. We can achieve that goal if we team together.

Now that the Holidays are over, its back to business as usual for most of us. But remember, always take the time to do something for yourself. Everyone needs a reward to keep going.

Hope you had a great Holiday Season and a Happy New Year, Allen, N2DCA

## Taco Wagon SK ?

On December 10th the Taco Wagon ended its career as one of the club's Field Day Trailer operating positions and then as storage for PARC equipment.

The trailer chassis was donated by

Merrit Arnold and it had an old generator on it. The generator was stripped off and the chassis served as the basis for a trailer like shed with a 40 foot crankup tower mounted on top.

The Taco Wagon usually saw service as the 40 meter SSB station.

All of the plywood was stripped off to be burned and the trailer frame for the time being will be used to haul several crankup towers to the FD site. (see page 9 for more info)

So the Taco Wagon will live on for a few more years of service to PARC.

## Health -Walking

The Friday evening Hiker's Net on 146.730 each Friday evening at 9:00 pm would like to invite you to "drop in" and see what the latest hike is going to be for the month along with any "pick-up" hikes for the weekend.

The hikes range from easy to more difficult and there is usually something for everyone since in most cases even the difficult hikes one does not need to "go all the way."

Tom Lebens, **KF6PAZ**, has made it easy for everyone interested in hiking to participate in what is going on by providing the area Hikers with a reflector where hike information is posted.

Why not join the reflector for a couple of weeks and see what is going on in the world of hiking.

If you don't feel that the reflector is of interest to you, just follow the directions at the end of the reflector e-mail message and you can "disengage" yourself easily.

To sign up to the reflector simply send an e-mail to **W9FQN@amsat.org** requesting that you be added.

## Rug Pulled

During the first part of December **KA6FPS** Barbara and your editor, **W9FQN** Stan, contracted to have their old rug replaced with new.

The time was set for Monday morning around 10 A.M. so your editor diligently started moving some of the smaller items out of the two rooms that

they said they would do first.

About 10:30 A.M. he received a call saying that the crew had called in "sick" and would Wednesday morning be ok. Well, I had to agree.

Wednesday morning came and after again moving all the small items, they showed up around 9:30 A.M. and informed me that instead of doing only two rooms that they were going to do the whole upstairs that day. Wow, that meant hurriedly tearing apart the computer room and bedrooms which I had moved some of the other smaller items into anticipating only two rooms being done.

What a mess. They are carrying furniture out of all the rooms while I am taking apart all the computer items. Things were just dropped into boxes without much rhyme or reason.

They laid the cushion mat and went outside to measure the new rug. I saw them from the 2nd story window scratching their heads so I rushed down stairs to find them discussing the three large slits which they found cut in the brand new rug! Wow, I paid for good rug. Not rug with slits. So that ended Wednesday's work!

A quick call to the installing company yielded the information that they could have new rug ready for us in 8 days so I said, "get moving." In the meantime, I had enough of moving so we covered **everything** up on the deck with tarps.

I set up the computer on an emergency card table and threw a mattress on the bedroom floor where we slept for the next 10 days. This was a real change sleeping at floor level. A year ago I blocked the bed up several cement blocks high so that I had to climb into the bed at night ..which doesn't sound too great until you remember that in the morning you fall out of bed in the "standing up" position!

Well, the new rug arrived after 10 days and was installed ... and I am still going through boxes trying to find things that were hurriedly tossed.

So if I was supposed to do anything for you (ad, autopatch, article, etc.) and

it has not been done or is not in this month's Scope, please let me know and I will make an attempt at rectifying (a good electrical word) the problem as soon as possible.

This is the first time that the rug has really been literally pulled out from under me!

## Incorporation

The **Palomar Amateur Radio Club Inc.** is an incorporated club with papers being filed with the state of California. Our By-laws are on file with the state and they have granted us an "incorporated status" which allows us to function as a "tax free" organization here in California.

## T-hunting *(for the birds)*

Radio Tracking is Fun!

"Tracking birds is one of the most fun things to do in the whole world!" is the opinion of the students at Neenah Creek School. For the past 3 years the sixth graders have been studying cranes, their habitat and the relationship they have to the destruction of crops....(1)

Sitting in the darkened cab of a pick-up truck on a California Central Valley back road, research biologist Joe Fleskes of the USGS Western Ecological Research Center strained to hear the faint "beep beep beep" from his radio-tracking receiver. Somewhere out in the foggy night, the radio signal was emanating from a small transmitter worn by one of 320 ducks and geese fitted with these monitoring devices.

Biologists in trucks equipped with cab-mounted directional antennae and specialized receivers to pick up transmitter frequencies will attempt to track each bird's location around-the-clock until the birds migrate north in the spring.

"Each of the 320 ducks and geese that are wearing radio transmitters has a distinct frequency," said USGS scientist and White-fronted Goose Project Leader Dennis Orthmeyer. "Locating each radio-marked bird is like tuning the AM dial in your car or truck. Radio stations have different frequencies, but instead of tun-

ing in to your favorite country and western station, you might be picking up the frequency of a white-fronted goose banded and radio-marked at the start of the season."

More than a dozen trackers are working the entire Central Valley this winter, with ground crews in the northern Sacramento Valley, the Sacramento-San Joaquin Valley River Delta, the southern San Joaquin Valley and locations between. A small airplane equipped with antennae is flown periodically to search for birds that ground crews can't locate.

A change in radio transmission can tell scientists if a goose or duck has died, important information for the study. The researchers also hope for cooperation from the public. They ask that anyone who finds or shoots a radio-marked bird call Joe Fleskes or Dennis Orthmeyer in Dixon, California, at 707-678-0682, extensions 628 and 626. Callers are welcome to keep the radio-transmitter and will receive a history of movements made by their bird.....(2)

\*\*\*\*\*

(1) <http://tqjunior.thinkquest.org/3673/radio.htm>

Our names are Jim and Mitch; we are sixth graders at Neenah Creek School in Briggsville, Wisconsin. For the past three years we have been learning about the greater sandhill cranes that live in our area.

(2) <http://biology.usgs.gov/pr/newsrelease/1998/12-17.html>

News Release  
December 17, 1998  
U.S. Department of the Interior  
U.S. Geological

USGS and Partners to Evaluate Impact of Habitat Restoration on Migratory Waterfowl in the Central Valley of California

\*\*\*\*\*

The Material above is a summary of two different WEB PAGES. I could not find the frequencies used in either study. However I did find the frequency for another study

Wild Wings: Heading North.  
<http://www.google.com/search?q=radio+tracking++geese&btnG=Google+Search>  
<http://north.audubon.org/how.html>

In late November '96, 10 Snow Geese were tagged on their necks with lightweight satellite radios by members of the U.S. Geological Survey.

A 401.65 MHz satellite radio built by Microwave Telemetry (Paul Howey) sends a digital signal from a snow goose.

The radios, which weigh less than 50 grams, send frequent signals to weather satellites.

The signal is received by one of two NOAA polar-orbiting weather satellites (Daphne Gemmill, Terry Bryan). The signal is received at satellite dishes by ARGOS in France and Maryland. Lo-

cations are estimated from a "Doppler frequency shift."

Data showing date and location of the geese is e-mailed to the U. S. Geological Survey Biological Resources Division, California Science Center.

\*\*\*\*\*

I hope you have enjoyed the results of my study, ("T" HUNTING "STRICTLY FOR THE BIRDS") 73's, The Ole Canoeing Bird Watcher, Glenn. KE6ZLY

9 0 #      ????

"Quote: I received a telephone call last evening from an individual identifying himself as an AT&T Service technician who was conducting a test on telephone lines. He stated that to complete the test I should touch **Nine (9)**, **Zero (0)**, the **pound (#)** sign, and then hang up.

Luckily, I was suspicious and refused. Upon contacting the telephone company, I was informed that by pushing **90#**, you give the requesting individual full access to your telephone line, which enables them to place long distance calls billed to your home phone number.

I was further informed that this scam has been originating from many local jails/prisons. I have also verified this information with UCB Telecom, Pacific

**HAM**

**RADIO**

H  
R  
O

**OUTLET**

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

**KENWOOD**  
*of* **CONCEPTS**  
**DIAMOND**  
**US TOWERS**  
**KANTRONICS**  
**YAESU**  
**MFJ, ICOM**  
**BENCHER, Inc.**  
**HUSTLER**  
**COMET**  
**AMERITRON**

**Astron,**  
**AEA,**  
**OUTBACKER**  
**Larsen Antenas**  
**TEN-TEC**  
**hy-gain, Tri-EX,**  
**cushcraft**  
**and**  
**others too**  
**numerous to**  
**mention!**

Drop in to see our display of working equipment.  
Find out about Pkt location determining equipment (APRS).  
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: 10a.m. - 5:30p.m. *Ask about our great prices*  
**Monday thru Saturday**  
**858 560-4900 or toll free 1-800-854-6046**  
**5375 Kearny Villa Rd, S. D.**

**Directions:** On 163, take **Clairemont Mesa Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and **HRO** sign. Be sure to see our equipment in action on real antennas.

Bell, MCI, Bell Atlantic and GTE.

Please beware. DO NOT press 90# for ANYONE.

The GTE Security Department requested that I share this information with EVERYONE I KNOW. Unquote"

Bill Carter

*(your editor from time to time gets these warning e-mails and while most of them are untrue or vicious, some are true. If in doubt, check out -*

<http://www.truthorfiction.com/>

*by searching for 90#. Tnx to Bob W6VR for the above www address -Ed)*

## Astronomy

Subscribe to my FREE San Diego Astronomy Events e-mail list! Just send me your full name and e-mail address.

[dmammama@rhfleet.org](mailto:dmammama@rhfleet.org)

Find out what's new at the Reuben H. Fleet Science Center by visiting online at

<http://www.rhfleet.org>

View the cosmos through my camera lens! Visit me online at -

<http://www.skyscapes.com>

Check out the San Diego Astronomy Association at <http://www.sdaa.org>

de Dennis Mammama, Resident Astronomer, Reuben H. Fleet Science Center P.O. Box 33303, San Diego, CA 92163-3303.

## Poway towers

*(Poway reviewing rules that limit towers to 35 feet by Brian E. Clark UNION-TRIBUNE STAFF WRITER)*

December 14, 2000 POWAY — Ham radio enthusiasts are hoping the city will cut them some slack — as much as 65 feet of it — when it comes to the height of the antenna towers they use. Towers can be no taller than 35 feet, which is the limit for nearly all structures in the city. Only church steeples and a few buildings in the South Poway Industrial Park are exempted. Amateur radio operators, who point out that they provide a key communication link during natural disasters, say using taller towers would allow them to operate more efficiently. Moreover, they say they should receive special consideration because they already are licensed

and regulated by the Federal Communications Commission. "All we are asking for from Poway is something close to the same rules that are applied to hams in other parts of the county, where towers can be as tall as 75 to 100 feet," said Gary Kent, an electrical engineer who is president of the Poway Amateur Radio Society. Encinitas allows amateur radiotowers to be up to 100 feet tall; Oceanside has a 75-foot limit; Escondido routinely gives exemptions to its 35-foot height restriction; and San Diego doesn't regulate the height of amateur radio antenna towers. "We just check to make sure towers are stable for safety reasons," said Jack Brandeis, a spokesman for the San Diego planning department. "Other than that, our city attorney has written that we should defer to the FCC." Steve Eckis, Poway's city attorney, agreed that the FCC has some power to overrule local agencies. But he said it does not prevent cities from regulating the size of amateur radio antennas. "We have to take into account that hams play an important function in emergencies," he said. "And we should reasonably accommodate their needs. Which is why we are researching the issue now so we can sort out the fact from the fiction." In Poway, the issue of amateur radio tower height arose in the fall when residents of a neighborhood in north Poway off Espola Road complained about a tower that Gale Olson, a ham for a dozen years, put up in her back yard. In a nutshell, the neighbors consider it ugly. Olson complied with the height limit, but ran afoul of the city Planning Department over a requirement in her permit that says she must lower the antenna when her radio is not in use. According to Olson, the radio is on 24 hours a day because she is a member of a group called Amateur Radio Emergency Services. It is connected to a computer that automatically relays text messages to other hams. She does lower the antenna when she is out of town, she said. "But it's not an easy thing to do," said Olson, adding that she has helped with emergency communications on several fires

in the past decade. "You can't just push a button and have it all come down and fold up. "I really do want to get along with my neighbors. But I also don't want to have my ability to operate my ham radio taken away, especially when I'm providing a public service at my own cost. And I don't think my tower is ugly." Niall Fritz, Poway's planning director, said he believes this is the first controversy involving a ham radio tower in the 20-year history of his city. "We're doing a comprehensive review of all antenna requirements now," he said. "But to my knowledge, there isn't a problem with operating at 35 feet." As for Olson's tower, Fritz said he wants to see documentation that she needs to have the radio on 24 hours a day. Until that happens, he said, she is in violation of her permit. But Fritz acknowledges that the question of what size ham radio towers can be and when they can be up is a decision for the City Council. That decision is expected sometime next year. "I don't think there is any harm in letting them be higher than 35 feet, because they do supply emergency service to the community in time of emergencies," said Councilman Bob Emery. "But I'm not clear on why an antenna needs to be up 24 hours a day. I need to be educated a little on that issue." In the meantime, Olson's tower remains up.

Tamara Smith, a deputy city attorney, said the city is holding off filing a civil action against her. "We're waiting to see what kind of ordinance the city comes up with," Smith said. Kent, the Poway radio club president, said he looks forward to working with the city to help it develop new rules for amateur radio antennas. He has a 35-foot tower at his home in central Poway, off Twin Peaks Road. "We're hoping to get the heights raised," he said. "And frankly, we need some standards. My antenna is up 24 hours a day, too, and I'm not in violation of my permit. But then I don't live in quite as nice a neighborhood as Gayle."

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# For Sail

(12.14)Heath VTVM w/RF probe/manual \$35; Hustler mobile ant 10/20/40 coils w/base \$50; KW SWR(separate sensor/meter) \$25; Selection heavy duty switches, coils & var. condensers for KW project; **MAC Performa** 630CD w/monitor, 56 modem, printer, scanner, lots of software/handbooks offer?; 2 **ANTIQUES** for bids (Circa 1925 **Magnavox** audio Fq. Amp. Type AC3, Mod. C, No.2236 using 3 type 01-A push-twist tubes, external 'A' & 'B' batteries; Circa 1933 **Heintz/Kaufman** Ltd San Francisco Radio receiver regenerative type 900 # 113, 3800-23000kc, US Patents 1,507689-1,907,806 \$400+); Larry W6LCT Vista 760.724.9996 B4 5pm or 7-9pm daily.

(12.13)Radio Shack less than 1mr old 10m HTX-10 mobile all mode \$75; KF6VHA 760-310-6642.

(12.11)Mint Yaesu FT-690 MKII, w/ spare speaker-mike & battery case \$325, Includes box & paper work:Peter VE7 CQA (858) 942-5502

Personal equipment ads are free to members and could be "bumped" after 3 mo. Make up your ad like the ones below and send to Editor, W9FQN, 30311 Cir. R Ln, Vly. Cir. CA 92082, (W9FQN@Juno.com) before the 20th of each month.

Commercial Ads in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. W9FQN@Juno.com

(12.10)Icom IC-2SAT 2m HT with UT-51 PL encoder, Internal 400ma battery, wall charger, rubber duck, box & manual. \$65; Radio Shack PRO-46 portable scanner, VHF Hi & Lo, UHF including 800Mhz, Aircraft, 6m, 2m, and 70cm, Rubber duck, nicads, wall charger, box, & manual. \$45; Jerry WB6FMT (760) 758-4388.

(12.10)Heathkit SB-104 w/remote VFO & Pwr supply, buyer to make tax deductible donation to private school: Rick KB6GZ 858-566-4016.

(11-27)Estate Sale: Yaesu FRG-7 Rcvr \$200; Yaesu FL-2100F Linear 1200w \$300; Kenwood TS-520 W/ VFO & spkr \$200; Palomar Watt Meter Mod 500 \$50; Siltronix 1011B Transceiver \$150; Heathkit Keyer \$15; Westcom 20A Pwr supply \$60; Palomar Messenger 2V Linear \$50; Siltronix PM-15 Realistic CB Base W/SSB TRC-457 \$100; Big Stick Ant \$35; multi band vertical \$75; 10m Ringo \$50; NO RESONABLE OFFER REFUSED: Dave WB6DAV SM (760) 727-5560.

(11.22)Estate Sale: Kenwood AT 250 Tuner \$150; Eico Electric Keyer #717 \$25; Kenwood TS 520 \$250; B&W Lo Pass Filter \$20; Yeasu FT 221R \$150; Akai Headphones \$10; SSB-FM Solid State Amp \$20; Mc-50 Mic \$45; Shure 444 Mike \$40; Shure 404c Mic \$25; Panasonic VCR \$20; NAD Cassette/Tuner \$20; Heathkit GR 88 \$??; sstires@prodigy.net or Sonny at (760) 724-0049.

(11.10)Kenwood ant tuner (AT230);

remote VFO 230, transceiver TS 530S & mic MC 35S, Mint cond \$600: KF6HHE Richard (760) 598-8289.

pg.7  
-7-  
1.487  
Jan.

(11.10)I-COM 735I w/pwr supply, MFJ deluxe tuner II, I-COM SM5 mike, MFJ electronic paddle \$700: KF6HHE Richard (760) 598-8289.

(9-19)N6OLE Home made Grid Dip Meter make offer; Sears ROAD-TALKER40 SSB XCVR \$50; military throat mic + headphones BO; Precision "Steel Six" lab mtrs. \$5 ea; Proximator I vehicle det. \$2; Olson CB067 Swr Mtr. \$3; Keithly Auto R. Mtr. \$15; Motion Det. Solfan 5240 \$5; 25v.3A Reg. Pwr Sup \$20; CDR Decade Capacitor \$4; Sabetronics Freq. Cntr mod. 8110A \$20; Healthdyne Lab digital thermometer mod. 2000 \$5; call AB6QT at 760-742-1573 after 5pm.

(9.1)2m packet station, PK-12 controller, Kenwood 2m 7950 xcvr, cable assys & manuals, computer software & disks \$150; all units working & all reasonable offers considered: Al N6GNB Ulrich525@aol.com 760-741-1840 Esc.

(8.14)Pre-ban Opto-elec R-10 scanner; Sangean ATS-818 shortwave receiver: Both mint, with extra's: KD6BFR, Bill Call 760-480-6805.

(7.27)Kenwood TS520 HF transceiver 115 vac or 12 vdc w/spkr/manualmic \$295; Kenwood remote VFO520 w/man \$75: Steve W2MRM 858-451-5690.

(7.25)Ten-Tec Titan amp Mod 425 10-160m mint 20hrs orig box w/manuals \$2,500; Kris W6KTE 760-941-3555 Vista.

(7.19)Zerex printer 1340A w/manual

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Please check our complete ads in QST, 73, CQ, and World Radio magazines.

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Reaching Amateur  
Radio Operators  
for Christ

Reaching Amateur Radio Operators for Christ meets each Sunday at 7:00p.m. on 147.270. All HAM operators are welcome to drop in and share scripture or just listen. KF6VHA

\$15; Heath H89 computer w/2drives/pwr/man \$20; Printmate 350 do matrix printer \$5; Mini-quad HQ-1 ant w/rotator/man \$30; Dan W2LUK 858-592-9901 Poway.

(7.6)Standard C1208DA 50/10/3w 2m mobile mic w/display/controls \$120; AEA PK-88 TNC packet \$20; Cushcraft 4el 2M "boomer" yagi 4' boom w/Archer TV rotor and control box \$35; Mars SWR meter HF \$5; Russ K6KW 760-436-6714 Carlsbad.

### WANTED: (A few good men/women) ☒

(12.15) Wanted: I'm looking for copies of a series of articles that appeared in some old issues of QEX. Specifically: "Signals, Samples, and Stuff", March through August 1998 issues of QEX. If anyone has these, please send an email to: Vito at -vbica@clea.qualcomm.com

(11.23)Wanted: Kenwood TS430s with PS-430 power supply: sstires@prodigy.net phone: Sonny (760)724-0049

(10.2)Wanted: Kenwood TR-2500 alkaline battery case: Dennis K7DCG 858-748-9046 or K7DCG@arrl.net.

(9.9)Wanted: Clegg FM-28 2m rig Manual & Schematic (to copy): Dennis, N6KI, 858 271-6079 or n6ki@amsat.org

(8.16) WANTED: owners manual for IC-R70 Receiver: Berand, WB0YCC (760) 722-5394 or WB0YCC@ARRL.NET

(8.10) Want pwr and audio output transformer (pairs) from only vacuum tube stereos, old speakers, stereo tuners/amps working or not from '50s-70s, will pickup & pay cash: John ac6ts@amsat.org or 760-747-9431.

(7.6)Wanted used SP-230 matching speaker/cabinet for TS830S: 760-722-5394 or wb0ycq@arrl.net Ocsd.

## Grab Bag at Mtgs.

At the next club meeting W9FQN Stan will have some more of the club's buckets of valuable junk at a table near the right wall (at least it is not the wrong wall:) small parts, radio books, magazines, HT belt holders, etc. Some items are priced 4/\$1 and other buckets 2/\$1.

## Data Finder

The following address is a great place to find data on various items -  
www.perconcorp.com/datafinder/index.html

FCC data bases, Aviation information, Amateur Radio call signs, Geographic, airports, flight tracking, etc. de N6KI

## Editor

Your editor would like to see items of interest submitted that would be suitable for inclusion in one of the upcoming newsletters.

The article or several paragraphs can be on any subject related to amateur radio. During the past year we have received more items from members than in years past since he has become editor and we hope that the coming year will see a doubling or more of submissions.

If you are interested in something, the chances are that another club member is interested in it also.

Some suggestions for articles are:

1. How you used amateur radio to help someone.
2. How you demonstrated amateur radio to a non ham.
3. How you used amateur radio in a hike.
4. How the autopatch helped you in a semi-emergency.
5. Can't you think of something?

Your editor loves to receive things via e-mail since he doesn't need to do much, if any, typing but he will accept pony express mail. What he really does not like dealing with is information by landline since too many errors creep into the copy.

## Election

Since there was only one person nominated for each club position, the slate of officers appearing on page 3 was declared elected at the Dec. meeting.

The president, with Board approval, then appointed three additional members to the Board as per our By-laws. They are also listed on page 3.

### Join the ARRL

Contact Joe Ashley, KB6NMK, at club meetings

## Committee Chairmen

(appointed to serve Sept '99)

ARESinfo	-Dennis S	K7DCG@amsat.org
Attendance	-Stan R	W9FQN@juno.com
ATV	-Bills KB6MCU	W6GIC@amsat.org
Auction	-TedW	KD6BFI@amsat.org
Badges	new -Al	W6GNI@amsat.org
	old -John T	W6OLQ@amsat.org
Batteries	-David KD6EY DAT	@Gerry.Palomar.caltech.edu
BBSMonitor	-Bill B	N6FMK@amsat.org
Billing:Ads/etc	-Lyell K	K6GYM@arrl.net
By-laws	-Paul KF6VIE	pdecicco@pondlaw.com
	& -Ron RWA9JCL	r3mb@concentric.net
Contest Info	-Dennis	N6KI@amsat.org
ControlOps	-filled	W6NWG@amsat.org
D.Mar Fair-Barbara R	KA6FPS	Tennis42@juno.com
Emergency QTH's	(Emergency Com. Centers)	
	HarryH -W6YOO	W6YOO@amsat.org
	DennisV -N6KI	N6KI@amsat.org
Equip Inv.	-	(to be announced soon)
Field Day	-Charlie	NN3V@ARRL.net
FDTech	-John K	WB6IQS@juno.com
Historian	-Stan R	W9FQN@juno.com
Interference	-Bills KB6MCU	W6GIC@amsat.org
Inventory	-DennisBaca	DennisKD6TUJ@juno.com
Mtg Goodies	-	
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-Stan R	W9FQN@juno.com
Newsletter	-Stan R	W9FQN@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-Stan R	W9FQN@juno.com
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-MarshP	W6SAX@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-CharlieR	NN3V@ARRL.net
Publicity	-Fred S	KE6BGI@amsat.org
QSL Cards	-MerleR	KR6BT@juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	W6HCD	NashWilliams@Compuserve.com
Rptr Site	-Stan R	W9FQN@juno.com
Rptr Skeds	-Stan R	W9FQN@juno.com
SANDARC	-Sybil A	W6GIC@amsat.org
	-Bills KB6MCU	W6GIC@amsat.org
SellerTable	-John K	WB6IQS@juno.com
AstSWDivDir	-Walt	WA6ODQ@arrl.net
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuncDancer@worldnet.att.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG	-MikeD	AB6QT@amsat.org
Web Site	-Frank L	KE6WOW@amsat.org

### (Net Managers) (see pg.12)

ARES Sun	-Stan R	W9FQN@amsat.org
Staff Net	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-Mike D	AB6QT@amsat.org
	-David D	KC6YSO@amsat.org
Hiking	-Ed	KF6DXX@juno.com
	-Glenn KE6ZLY	KE6ZLY@juno.com
MARA	-Cathy KE6IQU	W6NWG@amsat.org
Microwave	-Kerry B	N6IZW@qualcomm.com
Off Road	-Jerry A	jwak6pfp@cts.com
	-DickW KA7AYT	rwilimek@home.com
Sailors	-Larry D	W6QCA@amsat.org
Traffic(SDCTN)	-CharlesN6TEP	cmiele@juno.com

Names in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to W6NWG@amsat.org or P. O. Box 73, Vista, CA 92085-0073.

### Repeater Status 12.12.00

- 146.730+ : Normal, no problems
- 147.075- : Normal, no problems
- 147.130- : Normal, no problems
- 447.000- : Possible problems
- 50 : Normal, no problems
- 146.700- : Packet Repeater Normal
- 145.050s : Packet Digi Normal
- PALBBS : Bulletin Board Normal
- AutoPatch: Normal, no problems

### Technical, autopatch, repeaters, etc:

AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)

it easy to haul the clubs 20' crankup towers.

The Taco Wagon was rotting out and it was not feasible to repair the trailer.

A fun time was had by all.

Because of lack of time, we did not start in on the lighting project for the cargo container.

### Work Parties (trabajo)

(General work parties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)

**Next general work party:** there are no scheduled repeater site work parties until further notice because of unfavorable weather.

### Work Party (cargo container)

We have several projects that need to be accomplished in the club's Cargo Container:

- Install fluorescent lights
- Organize the insides
- Inventory and mark antennas

The work party for this project will be Sunday afternoon at 1 pm on February 11th.

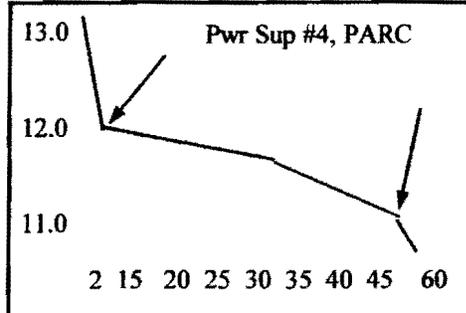
### Taco Wagon WP

(see page 1) On December 10th a crew put to rest the famous Taco Wagon. Helping with the destruction were:

- Fred KE6BGI
- Dave WB6DAV
- John WB6IQS
- Merle KR6BT
- Stan W9FQN

John brought along his cutting torch and after all the plywood was removed he cut up the metal superstructure leaving only the steel bed frame. Some of the superstructure was left (6 inches) so that the FD towers could be hauled without falling off.

It was discovered that the tongue of the trailer could be easily extended with pipe already on the trailer so that the main frame is over 20 feet long making



### UPS (need a charge?)

Many club members have Uninterruptible Power Supplies (UPS) units which should be checked out from time to time for proper operation and battery capacity.

As soon as you buy one, you should get into the unit and do some testing so that later on you can compare present results with when the unit was new.

Make sure that before doing any testing that the unit is properly discharged and charged several times to "exercise" the supply -

1. Load the supply with 200-300 watts of light bulb or something close to what you are going to be installing on your UPS unit.

2. Make sure the UPS is fully charged before testing. Now install the light bulb "dummy load" and pull the plug on your unit. The light bulbs should remain lit.

3. Before step No.2, use a digital voltmeter to measure the battery voltage-

a. when the battery(s) is fully charged

b. then while the battery is being discharged by step No.2 every 1 minute for 10 minutes, then every 5-10 minutes while you look for the "knee" on the graph you are constructing

4. On graph paper record your results after each reading

If this is done when you first buy the unit, it will then be possible for you to

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make comparisons "as the years go by" as to the current status of your unit.

Above is a graph of one such unit which shows a rapid loss of battery voltage during the first several minutes, then a gradual loss up until about 60 minutes, and a rapid drop off just after an hour. What you are looking for is the 2nd knee in the graph. This is the point which says "I am dying quickly."

Compare the 2nd knee in the graph with the data you have collected earlier and it will give you some idea of the battery life left in the UPS you are using.

Several of the club's UPS supplies have been modified so that additional batteries can be "clipped" in parallel with the main UPS supply although a precaution was taken with several units to insert a car "turn light" in series so that if both battery groups are discharged quite a bit, the "outboard" battery will have a series resistance to keep the UPS charger from becoming "over stressed."

The light also tells you when current is entering or leaving the UPS unit and the relative amount of that current. *(the resistance of the car bulb increases with current flow which helps keep the battery charging circuit from being too overtaxed -Ed)*

## Detectors

There is a little detector in all electronic equipment that senses when there is a qualified technician or computer savvy person with a screwdriver in their pocket in the immediate area.

Depending on the level of frustration that the equipment wants to inflict, it will randomly create false problems and simulate failures - but only when the detector fails to detect qualified technical people. It does this just to tease the nontechnical operators.

This is called the theory of the vindictive inanimate object. Trust me, I know it works because I've experienced it hundreds of times at Heathkit (radios and test equipment) and when I was repairing industrial "mini" computers in the 1980s. As electronic gizmos become more complicated (and now there may be millions of transistors in a single IC) think of all

the hate and discontent that such random "failures" can create.

When electronics only had vacuum tubes, real human beings (not supertechnicians) could go down to the drug store, check the tubes and usually fix the things themselves. Not any more.

John, WB6IQS

## RS Scanner

Radio Shack has a free Bar Code scanner, the Cue Cat, which can be used for reading Bar Codes. Unfortunately, it probably sends out a unique code for the reader that you are using.

Here is a web site that describes how to "declaim" the Cue Cat Bar Code Scanner (free from Radio Shack) by disabling the component that transmits a unique serial number with each scan.

<http://www.air-soldier.com/~cuecat>

deThomas F. Lebens

*(this a "more than you ever wanted to know" about something but very interesting from the standpoint of "reverse engineering" -Ed)*

## Reply

A few comments on the (Scope) technical articles.

**Re Repeater hum**, a strong possibility exists the some second and third harmonic is present in the TS 32 P encoder. They employ a two pole active low pass filter after digitally generating the CTCSS tone. A second filter or an active filter on 107.2 should solve that problem.

**Re slow blow fuses.**

There exists MDL and SB type fuses. MDL stands for medium delay. Fast blowing fuses are marked AGC, 3AG or other designation for the fuse holder size. They take a larger current for a short period of time before blowing. The primary use for these types is to provide for a large inrush current for transformer operated equipment for the first cycle (16 mS) when the power is first turned on. They provide poor protection for 12 Volt solid state transceivers and should not be used for that purpose.

de Art McBride, KC6UQH

## NO Autopatch?

A recent problem with the autopatch system pointed out a problem which is beyond our control.

It is entirely possible that your PIN number is correct and that all your BOX numbers are correct yet the autopatch system will not dial your number for you.

The computer program works on lists of PREFIXES as provided by the phone company. These are the lists that have been typed in for 760, 858, and the 619 AREA codes. If the PREFIX is not listed in those three AREA codes, then the computer will not complete the call as dialed.

The phone company lists are only updated every year and so we might not always have the latest information on PREFIXES.

There are two problem areas -

1. Pacific Bell adding new PREFIXES that we are not aware of and
2. Cell phone numbers that use prefixes not in the phone book ..and most of the cell phone PREFIXES are not listed.

While we can always update our list of regular phone PREFIXES at least once a year, we have NO WAY of finding out all of the hidden CELL PHONE PREFIXES.

If you feel that you have dialed a good number and have dialed it correctly, then contact us at -

W9FQN1@Juno.com (yes a "1")

and we will try to correct the problem. If you don't have e-mail, come to a club meeting to have the correction made.

Pacific Bell has indicated that they will charge us for all cell phone calls that go from our system to a cell phone but so far these have not appeared on our phone bills.

So for this reason, we are adding cell phone prefixes in a special section of the program but we will remove all those prefixes if we have to pay for the call.

## Phase 3D Orbit

A new era in amateur radio communications was ushered in on November

16, 2000 (UTC) with the successful launch of the Phase 3D satellite now known as AMSAT-OSCAR 40, or simply "AO-40." This high altitude bird is temporarily using a geostationary parking orbit before rockets boost the satellite into a higher elliptical orbit. The radio footprint should be spectacular. <http://www.amsat.org/>

## January Program

**Glen Paden** KE6ZLY@Juno.com  
As a personal friend of Roland, KE6NPN, I would like to add a few footnotes to what Charlie has said about the January PARC meeting. First of all, as well as being a California State Park Ranger, he is now the Superintendent (Chief Ranger) of the OCOTILLO WELL STATE OFF ROAD VEHICLE PARK, which is the largest off road park in California containing about 75,000 acres.

As the Chief 'Ranger of the off road park, he has several new programs he would like to get started which involves Ham Radio and volunteer operators to assist in the safe and enjoyable operation of the park on busy weekends.

So if any of you are interested in volunteering at the off-road park in Ocotillo Wells, this would be an excellent time to get acquainted with Roland and his work out there .

Roland would also like to start a Search and Rescue Team for that area. As well as working in his area he, will be working with the Chief Ranger of the Anza-Borrego Desert State Park who is his former boss at Lake Perris.

The Search and Rescue Team would probably cover that area also. This is a good opportunity for those Hams interested in helping in either of the state parks to get involved in volunteering.

## Hams in Space

The ham radio station on board the International Space Station has been commissioned and the signal is terrific, even with 5 watts and a temporary antenna. Listen on 145.80 MHz, but remember that the station is in a low

earth orbit, so it's not visible often, and the crew can only operate in their spare time. *de Newline*

## Help

*(we could use it!)*

When you are talking to someone you do not know on our repeaters, be sure to determine in some way if they are members of PARC.

If they are not, politely invite them to join the club and mention some of the high points:

- Monthly mtgs. and newsletter
- 5 Voice Repeaters
- packet repeaters and ATV
- etc

Then tell them to send dues of \$12 to PARC, POBox 73, Vista CA 92085-0073 or request an application from [W6NWG@amsat.org](mailto:W6NWG@amsat.org)

## Help? !! ??

We need your help!

When you talk to strangers on our repeaters, at some point, ask them if they are members of the Palomar Amateur Radio Club OR if you don't feel comfortable with the "direct" route, then ask them if they saw something in the most recent Scope.

If they are not members, then invite them to join PARC!

Point out some of the following selling points:

1. Monthly meetings - even if they can't come, the membership is worth the \$12 dues.
2. Monthly newsletter
3. Four autopatch repeaters which cover all of San Diego County and even out to sea.
4. Access to all sorts of information via the PARC nets: traffic, ARES, Sailor's, MARA, Microwave, Off Roading, 6m ARES, and Ham Help Net.

An the address for sending in their dues is very simple -

PARC, P.O. Box 73, Vista CA 92085-0073.

- OR -

if they have e-mail, tell them to contact

W6GNI or W9FQN who both have [amsat.org](http://amsat.org) addresses for a club application.

## Contests

<b>Harry Hodges</b>	<b>W6YOO@amsat.org</b>
Dec 30	Canadian Winter Contest
Dec 30	Stew Perry 160 Meter Contest
Jan 6	ARRL RTTY Roundup
Jan 12	Japan Int'l DX CW - Low Bands
Jan 13	North American QSO Party - CW
Jan 20	North American QSO Party - SSB
Jan 20	ARRL VHF Sweepstakes
Jan 26	CQ WW 160 Meter Contest
Feb 3	Vermont QSO Party
Feb 3	New Hampshire QSO Party
Feb 3	Maine QSO Party
Feb 3	Deleware QSO Party
Feb 3	Freeze Your Buns Off QRP
Feb 3	Field Day, 80-10 Mtr - CW & SSB
Feb 4	North American Sprint - SSB

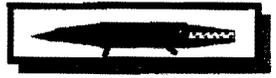
Note the four RARE states QSO parties. A good chance to work on you WAS award. This list is not all inclusive as there are other minor contests on during the period.

See QST, CQ, Worldradio, and the National Contest Journal for contest rules. GL in the contest! 73 de Harry, W6YOO

## Animal World



Don't feed the monkeys! The monkeys are the jammers and people that cause troubles on our repeaters. Ignore them. DO NOT TALK to them. Move to another repeater. Don't feed the monkeys.



Are you a LONG talker and time out the club repeaters by talking too long? If you do, then the "alligator" bit you and you are eligible for the club's prestigious ALLIGATOR award!

**Join the ARRL through PARC. See KB6NMK at club meetings or send her an E-m.**

## PARC NETS (04/00)

All 147.075 10-11pm MCW contacts  
 All 147.130 2130+ pm Facitious Group  
 Sun. 146.730 8:30am AREmergency Service  
 Sun. 146.730 10:00am Sailor's Net  
 Sun. 147.075 8:45pm MARA Net  
 Mon. 146.730 7:15pm RACES sub Net  
 Mon. 146.730 9:00pm Microwave Net  
 Tue. 146.730 8:00pm Traffic Net (SDCTN)  
 Tue 146.730 9:00pm Off Roading Net  
 Thu. 146.730 8:00pm Traffic Net (SDCTN)  
 Thu. 146.730 9:00pm Ham Help Net  
 (electronics, computers, antennas, license theory, etc.)  
 Fri. 146.730 9:00pm Hiker's Net  
 Sat. 146.730 8:00pm Traffic Net (SDCTN)  
 Sat. 52.680 8:00pm 6m ARES Net  
 Sat. 147.130 8:15pm ARES Staff Net

POSTMASTER: Send address changes to Scope, P.O.Box 73, Vista, CA 92085-0073 (also on page 1)

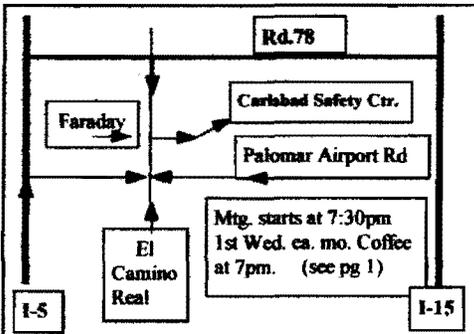


Jan.  
2000  
pg.12  
-12-  
1,492

## Time Dated Material

Periodicals  
Postage Pd.  
at Vista CA  
92085-9998

## Back at the Carlsbad Safety !



# cover me!

*Fold, I am old and cold, I am told !*

## PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

## OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWX)

PARC Trustee of W6NWX: AB6QT

\*52.680- W6NWX, -0.5 MHz

Autopatches(4): 146.730-, \*147.075+  
\*147.130+, \*447.000-

PKT: 145.050s (PALMAR/W6NWX-1)  
146.700-(Duplex Pkt) PALBBS/EMG use  
145.070/146.7- (W6NWX-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

Intercom: 146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94- KK6KD(HARS)

\*447.05- & \*145.26- KK6KD(HARS)

\*146.175+ N6FQ(FalbrkARC) linked  
to 448.900 MHz (-) 103.5PL

\*224.90- WD6HFR (220ClubSD);

446.14- WB6FMT(123.0)Vista;

\*=107.2 Hz

## Pg. NEWS WORTHY

- 01 Club program; 1936; programs; FD
- 02 Scope Stats; Last Mtg; Board; Membership; BF/SAX; AGOGO
- 03 AK6Z; Pres. Message; Taco Wagon SK?
- 04 Walking; Rug; Incorporation; T-hunting
- 05 90# ???
- 06 Astronomy; Poway towers
- 07 For Sail; Ads;
- 08 Grab Bags; Data Finder; Editor; Election
- 09 Work parties; Taco Wagon; UPS
- 10 Detectors; RS Scanner; Reply; Patch; Phase 3D orbit
- 11 Jan. Program; Hams in Space; Help; Con-tests
- 12 You are looking at it!

(do you always read the fine print?)

## Repeaters in Use

Please schedule special repeater use at least one month ahead of intended use with W9FQN:

## PARC 2000 Calendar

Jan 2001 -

- 03 Wed, Club Mtg. 7:30pm, Carlsbad Safety Ctr
- 10 Wed, Board meeting, W6GNI
- 13 Sat, PARC Testing, Carlsbad Safety Ctr
- 20 Wed, N.Dist ARES Staff, 7pm

(more fine print)

## Join the ARRL

**PARC Testing** - tests given each 2nd Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty AA6OM at 760-747-5872 or at

[DuneDancer@worldnet.att.net](mailto:DuneDancer@worldnet.att.net)

Register 5-7 days in advance for tests.

**Escondido Testing** - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N. Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.

## Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>



# Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

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-13-  
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## Palomar Amateur Radio Club Inc.

also ATV & 4  
autopatches

Scope (USPS #076530) Vol. XXVII No. 2, February 2001, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085. Dues \$12/yr or \$21/family/yr (includes newsletter subscription, \$3 in SDCo. & \$4 out of SDCo.) Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

**POSTMASTER:** Send address changes to SCOPE, P.O.Box 73, Vista CA 92085-0073.  
See pg. 12: Contents, Club Calendar, Repeater Use, PARC Frequencies, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

## Club Meeting

Charlie Ristorcelli NN3V@amsat.org

(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

### February 2001 Program:

Please join us on February 7th, 2001, for the monthly Club program, presentation starting at 7:30 PM at the Carlsbad Safety Center.

This coming meeting will be a VERY SPECIAL EVENT, as PARC will celebrate its 65th. Birthday (covered elsewhere in this Scope).

There are many special activities planned for this meeting. The Club will enjoy a special birthday cake, and we look forward to recognizing several important people during the celebration.

PARC is honored to recognize W6MMO (Jack) who is a founding member of PARC, active in ham radio for all this time, and still an active member of the Club. In addition, we look forward to recognizing all the members present at the meeting who are over 75 years of age. And as many of you know, we are extremely pleased to count amongst our active members a YL who is over 100 years young!

After a short birthday celebration at the beginning of the meeting, be prepared to have a FANTASTIC VOYAGE into the world of satellite communications. Our very own KE6RTR

(Ron) will share the ample experience and pleasure he derives from satellite communications from his QTH.

Come and learn about the latest Ham Radio satellites, observe a great demonstration of satellite communication activities, and ask the questions you've been puzzled over for a long time.

How can I contact MIR (before it de-orbits in March 2001)? What capabilities do I need to communicate with the International Space Station? What is happening with our newest Ham satellite, Phase 3D?

So please mark your calendars for the great birthday party and celebration at the Carlsbad Safety Center on Wednesday, February 7th. starting at 7:30PM (many club members have dinner before the meeting. Talk-In to the various restaurants is always on the 146.73 repeater).

## Coming Events.

Feb07, Wed - Club Birthday Mtg.  
Feb10, Sat - VE Testing (C pg. 12)  
Feb14, Wed - Board Mtg.

## Best Wishes to-

Bill Dewey, WD6HAW: was in the hospital, victim of a stroke but is now home and doing well.

Harry Hodges, W6YOO: went to the hospital to be "pinned" again which will put a kink in his parachute jumping..

## U 75 or Over?

At the February Birthday party the club will honor all hams present who are over 75 years old! If you are an OT (Old Timer) 75 or over, please make an effort to be at this meeting. If you cannot drive, contact a club Board member (pg3) and we will attempt to get you a ride for this event.

## Many Thank\$ to KB6MLA

The club would like to publicly thank Donald Mandel, KB6MLA, for his generous donation of a large sum of money to PARC with no restrictions attached.

The money will be placed in an interest bearing CD account for the present.

## PARC Birthday

Charlie Ristorcelli NN3V@arrl.net

On February 7th. 2001, the Palomar Amateur Radio Club will celebrate it's 65th. Birthday!

Founded on February 13th. 1936, PARC is in possession of a "Charter Of Affiliation" to the ARRL signed by

Join the Palomar Amateur Radio Club!  
Send: Callsign (expiration date), class license, name, address, Zip+4, e-mail, phone#, & \$12 single (\$21 family) to PARC, POB 73, Vista CA 92085-0073.

then ARRL President E. C. Woodruff who recognized that PARC had "Declared its sympathy with and allegiance to the aims and policies of the League...".

Club records indicate that while the "founding" took place in February 1936, founding members had been meeting in homes in the cities of Escondido, Oceanside, and along the Southern California coast.

PARC was founded by 27 amateurs, and has grown to a membership of some 560 in today's count. Of significant importance to PARC is the pleasure of recognizing that Jack Cornell (W6MMO), one of the Club's original founders is still an active ham and Club member for all 65 years of the Club's existence! The Club is also honored to count amongst active members a YL who is over 100 years old!

PARC enjoys many of the traditions common to all Ham Radio clubs. But by it's history, club membership size, and it's presence in San Diego County, considers itself special in many ways.

The Club operates repeaters from it's own site on Palomar Mountain at an elevation of 5,600 ft., adjacent to the world famous Mt. Palomar observatory. The club's 10 repeaters at the site cover well over 10,000 square miles of Southern California, and Mexico's Baja California, with coverage extending 100+ miles into the Pacific Ocean. From the site, the Club - under the call W6NWG - operates repeaters in the 2 and 6 meter, and 70 cm bands, with modes in FM, TV, and a host of modulation capabilities (FM, SSB, TV, Packet, etc.). In addition, several other organizations are hosted by PARC at the repeater site, extending the site's band coverage into the 220 MHz band.

The Club's repeaters run a variety of amateur radio, and emergency service nets. The repeaters host twelve+ nets during the week, dedicated to ham radio, hiking, boating, traffic handling, ARES, RACES, microwave amateur radio, field day planning, etc.

As with any other club, PARC provides innumerable community services

to the San Diego County area, with club members participating in communications services for all sort of outdoor activities for which San Diego is world renown.

Likewise, the repeaters serve the varied emergency services normally active in any busy metropolitan area, serving as a link for many community needs. Speaking of Field Day, the Club is proud of winning the San Diego Amateur Radio Club association field day trophy, recognizing the Ham Radio club achieving the highest FD score in San Diego county, for the last 11 consecutive years, having achieved 10th. place nationwide in FD 2000, and 2nd. place in the nationwide 4A category.

PARC will mark the celebration with a "birthday bash" at it's February monthly meeting, held the first Wednesday of the month in the city of Carlsbad Safety Center. Talk in on 146.730 MHz. *(this article sent to the ARRL by NN3V -Ed)*

## Founding Fathers

The Palomar Amateur Radio Club was founded in Escondido sometime in February of 1936 although groups of amateurs in North County were previously meeting in homes from Escondido, Vista, Oceanside, and all the way down along the coast to La Jolla.

A list of the founding fathers can be found on page 3.

## Board Mtg. (Minutes)

David Patterson [WB6DAV@Juno.com](mailto:WB6DAV@Juno.com)

### Next meeting at W6GNI QTH

*(Club members are invited to Board meetings at Board members QTH's at 7pm on the Wednesday following the club meeting as announced herein. You receive one participation point for attending. A copy of the complete minutes are at the general meeting.)*

### Board Mtg. January 10th, 2001

**Members present :** Charlie NN3V, Al W6GNI, Jo KB6NMK, Stan W9FQN, Mark KF6WTN, Dave WB6DAV & Alan N2DCA

**Members absent:** Mike AB6QT, Helmut KG6ERZ (formerly OE8SOQ).

**Guests:** Dave KC6YSO.

Meeting called to order at 1857.

Secretary's report approved as pub-

lished in Scope.

Treasurers report read and approved.

Stan submitted a past receipt from the post office and a check for an ad. Also a check for equipment sold. Stan will get in touch with KI6MV regarding a donation of a 2 meter radio and J-pole.

Charlie reported that we will have Stan pick up the 2 sheet cakes from COSCO for the February club meeting. It was agreed that we allow Stan \$50 for the cakes etc.

Jack Cornell from Fallbrook will attend as one of the original charter club members.

Mike AB6QT was called on 2 meters for his report. He stated that he needs parts for the 447 repeater at a cost of \$100 AND IT WAS approved. He repaired the 146.730 repeater. Also the 147.130 repeater. Checked the frequency and sensitivity of the 447. repeater. Repaired a power supply and left it at the site.

Mark KF6WTN reported that there is a problem with cross talk on the repeaters. He ask that he be contacted by e-mail or phone explaining what time, repeater, conditions etc.

Charlie NN3V made a motion that a life membership be given to a founding member. Motion approved to award lifetime membership in recognition of very unique achievement to be given to Jack Cornell W6MMO a founding father of PARC.

Dave KC6YSO, representing the CONVAIR/220 club, gave a prepared statement disputing the proposed rent increase for the 220 repeater. He feels that the only cost increase should be the increase in electric rates after we do an accurate measurement of electric they use. Also wants to see a cost accounting of our expenses at the site. It was voted on and approved that the Board will again review the cost of operating the repeater site, and share the cost data with the 220 Club as far as the fair share that may apply to the 220 repeater. He asked for a subsidy for the 220 repeater because of it's extensive use for emergency services in the ARES

# P.A.R.C. Inc (2001 Board)

**Pres:** Allen Maslowski N2DCA 858.642.2400x1229  
N2DCA@amsat.org

**VP:** Charlie Ristorcelli NN3V 858.676.3307  
NN3V@amsat.org

**Sec:** David Patterson WB6DAV 760.727-5560  
WB6DAV@amsat.org

**Treas:** Jo Ashley KB6NMK 760.741.2560  
KB6NMK@amsat.org

**Dir#1:** Mark Raptis KF6WTN 760.749.4825  
KF6WTN@amsat.org

**Dir#2:** Helmut Stroeml KG6ERZ 858.720.0549  
Hkstromel2@aol.com

**SCOPE:** Stan Rohrer W9FQN 760.749.0276  
W9FQN@amsat.org

**Technical:** Mike Doyle AB6QT 760.742.1573  
AB6QT@amsat.org

**MSh:** Al Donlevy W6GNI 760.630.3096  
aldonlevy@juno.com

Board Mtg. 7:00 pm Wednesday of week following the Club meeting as announced.

## Treasurer \$\$\$,\$\$\$

Jo Ashley  
KB6NMK@amsat.org

See me at club mtgs. for "hard copies" of financial statement(s).

Past mo./yrs. "projects/available": ↓

Location/due	09.30.00	12.31.00
CD#4-08.19.98	2,339.29	2,374.93
CD5#2-10.09.98	2,497.68	2,532.62
CD1#3-05.24.98	2,452.19	2,488.69
CD4#1-08.13.99	2,979.17	3,020.84
Checking	4,776.69	6,792.15
Post Office	108.18	100.45
CaSH+CD's	15,145.20	17,309.68
Pre-Pd. dues/liab	5,754.00	6,202.00
projects/available	9,391.20	11,107.68

02.31.96	\$7,884	10.31.99	\$10,191
02.31.97	\$4,880	11.30.99	\$9,638
02.28.98	\$8,414	01.31.00	\$10,212
02.28.99	\$10,118	07.31.00	\$8,812
04.30.99	\$8,546	08.31.00	\$9,381

Routine: Scope printing ~\$250/mo; Scope postage ~\$65/mo; electricity ~250/mo; phone ~\$50/mo = ~\$615/mo. (Insurance each Nov. ~\$1,100/year)

Under consideration: 6m repeater spare ~\$200; 449.42 repeater spare ~\$200; spare antennas ~\$700; etc = ~\$1,100.

Approved expenses not spent: \$100 tent trailer; = ~\$100

### Last month's Scope Helpers:

Thanks to Art and Anita for the folding space and the refreshments. Really great cookies. (the greatest!)

KB6YHZ Art & KB6YHY Anita  
W6GNI Al WASACE Sonny  
N6UZH Terri & MY2KID  
KB6NMK Jo KC6WAN Ralph  
W6YOO Harry & N6TCB Jerry  
W9FQN Stan

service, and the Board advised that such a subsidy would be studied pending review of operating costs.

It was voted and approved that Al W6GNI, MIKE AB6QT and Stan W9FQN be included as board members as appointed by the president.

Next board meeting to be at Al's W6GNI QTH.

Meeting adjourned at 2037 Hrs.

## Long AGOGO (history)

WA6KZN-K6HAV-KI6JM(sk)-W9FQN  
(The purpose of AGOGO is to recall info on file in previous editions of the Scope -Ed)  
(01-00)...Red Flag Patrols ..Joe Craig W6HLB on the 30's ..KE6ZLY on Old Times. Rose Parade N6UWW ..patch problems ..Patch work parties

(01-91)...meeting at Lincoln Middle School ..WA6YOO on SSB DX-ing ..list of Elmers ..list of Experts ..W6BLL SK ..KB5MU installs NetRom 145.05 ..2 patches on 147.13 (KA6UAI & WB6FMT) ..list patch prefixes approved ..VE testing ..KF6QH Horse event ..NO CODE discussed ..TS-32 PL decoder ..

## Last meeting (not quite)

The November meeting was another great talk by W6YOO Harry who this time talked on IOTA which is the Island On The Air DX program. A grand time was had by all.

"Goodie" donations came from N6ISCPaul and W6SSTJim. You receive an extra activity point for your generosity.

KD6TUDennis & W6SSTJim took care of the Goodie Table.

Attendance was 68 and 8 guests.

## President's Message

Allen Maslowski N2DCA@amsat.org

If you haven't read about it, another Amateur Radio legend is gone. William I. "Bill" Orr, W6SAI, of Menlo Park, California, died in his sleep January 24. He was 81. Bill was one of my favorite authors that I have grown to like over my amateur

radio lifetime.

'An ARRL member, Orr was best known for his voluminous publications for radio amateurs, including such reference gems as The Radio Handbook, The Beam Antenna Handbook, The Quad Antenna Hand-

The following table lists the "founding fathers" of the 1936 Palomar Amateur Radio Club in Escondido.

Those marked with a "yes" we are rather sure that they are SK.

? = almost sure they are SK.

? = we are not sure they are SK

If anyone knows up to date info on these hams, please contact us.

Call	Name	SK
W6BGL	Hank Junge	yes
W6BLL	Jack Williams	yes
W6BOS	Art Steward, NONE	?
W6CHV	Ralph Culbertson, NONE	?
W6CYI	Stan Estes, NONE	yes
W6CLT	Walt Schroeder, NONE	?
W6DBV	Doug Maw(Pres.), NONE	yes
W6ECP	John Martin, W6SE	yes
W6EPM	Harold Ulmer	yes
W6FKT	George Beal, NONE	?
W6GVU	Fred Elser, KH6CZ	?
W6JRQ	Walt Huckabay	yes
W6LAP	Bill Musgrove	?
W6LFU	Franklin Richter	?
W6LKC	Harry Field	yes
W6MMO	Jack Cornell	NO
W6MMZ	John Trent, KL7DG	NO?
W6NCU	Walter Woods, NONE??	?
W6NDF	Maurice Eckford, NONE	?
W6NNH	Jack Miller, NONE, ??	?
W6NWG	Mel Bacon	yes
W6NWI	Bill Jago, K7MO	?
W6NXR	Roy Williamson	?
W6OFT	Clint Call	yes
W6OFV	Vernon Choate	?
W6OUQ	Ernie Epler	?
W6RB	Roy Jenkins	yes

book, The VHF-UHF Manual and The W6SAI HF Antenna Handbook, some written in collaboration with Stu Cowan, W2LX.'

As you may have already known, PARC is celebrating its 65th birthday this month. We are one of the oldest amateur radio clubs in the US and I believe that PARC is the oldest club that has been affiliated with the ARRL. This

club has survived all those years because of the fine members we have had.

At our February meeting we hope to have some of the original members present. I sincerely hope that all of you can come and join in the fun and help us celebrate our 65 th birthday this month. There's not much to say on this subject except 'Happy Birthday to US, PARC' !

Just as a reminder, Field Day nets and preparations are starting soon. You can read about them elsewhere in the SCOPE. This year, I know we'll be in First Place. Last year was just practice for us.

See you at the general meeting, Allen, N2DCA

## E-mail Address

Most e-mail addresses are hard to remember and some people have rather cryptic names AND addresses. So when someone asks for your address, they have all sorts of problems writing it down accurately.

**Solution** - why not get a remailer address?

For example, suppose my address is rohrerstan@ixla.osca.bet! Hey, I am sure that if I told that to you that you would have problems copying it all down correctly the first time without questions.

So, why not get a **amsat.org** remailer? Then, my address would be - **W9FQN@amsat.org** .... which of course it is. All hams should have **amsat.org** addresses. That way, all you need to remember is the person's call-sign and then slap on @amsat.org.

The **W9FQN@amsat.org** address sends the e-mail to San Diego's am-

sat.org remailer where the computer looks up your correct address that you have accurately provided to their giant computer, it strips off (how indecent) the **amsat.org** address you used, and replaces with the current address on file.

In your editor's case, that would be - **W9FQN@Juno.com**

and all at the speed of light!

Instructions for getting a **amsat.org** address are simple -

TO: **mail-alias-request@amsat.org**

The "subject" field may be left blank

**alias yourcall EMname@your-domain**

Example using my info, I write -

alias **W9FQN RohrerSE@ixla.com**

You will be assigned -

**yourcall@amsat.org**

You should wait up to a week for an acknowledgement from the system, then try it. If no acknowledgement is received, you should send the request again. If you get a reply back before then, you can check it out by sending something to **URcallsign@amsat.org**

## Club Membership

**Al Donlevy W6GNI aldonlevy@Juno.com**

Another member has joined the exclusive ten year renewal group. **W6VR** sent in a nice renewal check for \$120 in January.

We are pleased to have four new members that used the Membership Application Form that is on the web site:

<http://members.home.net/parc/>

For renewals, all we need is your check, with call sign, either at a meeting, or mailed to PO Box 73, Vista, CA 92085-0073.

If you change call sign, please give the old call, and the new one, so that we update the correct record! E-mail any changes to **aldonlevy@juno.com**.

Orders for the blue badges are taken at the membership table each meeting night, hats are also available there.

73 and Thank you. Al

## Dues Collection

As soon as PARC collects your dues, we take the money and put it in an

"escrow" account where it cannot be touched by the Board. This means that if you pay for multiple years of membership, the money is "safely squirreled" away and cannot be squandered on present day items.

For example, if you have a single membership, your dues are \$12. This \$12 is placed in an escrow account and since your dues cover 12 months, we release \$1 of your dues to the Board each month.

This way the Board cannot spend any of your dues that is slated for the months ahead. It also forces the Board to live off of what is actually available each much to spend.

## North Co. ARES

**Norm Swanson KF6GOF@amsata.org**

Dennis (K7DCG) is trying to make it easier for the EC's of Northern District to participate in the operation of his District.

The first move in that direction was to have the Northern District Emergency Coordinator's meeting held every other month on a net (147.130+ PL 107.2). This is to allow EC's who are unable to attend a face-to-face meeting, the chance to participate while staying at home.

The next net will be held on February 21, 2001 at 7:00 PM on 147.130 MHz. All EC's of Northern District are encouraged to join Dennis on this net, and as in the face-to-face meetings he also welcomes all ARES members.

## Field Day Planning

**Charlie Ristorcelli**

**NN3V@arrl.net**

Anyone interested in the Club's activities and plans for Field Day 2001 is invited to join the FD Planning Net that takes place EVERY WEDNESDAY evening, starting at 8:00 PM, on the 146.730 repeater.

The FD planning net lasts about 30 minutes (plus or minus a few minutes, depending on participation), and has as its purpose the development of the plans and activities that will take place at FD 2001 for PARC.

As many of you know, last year

# DATAION

(<http://www.dtwc.com>)

We design, manufacture, sell and support HF/VHF professional and tactical radios and systems worldwide. We presently have two immediate openings as follows: Field Technical Representative 1, Job # 0032

**Duties:** Under general supervision, provides support to the Technical Support Services Group (TSSG) by performing various technical duties. Some duties include: providing technical support to customers; conducting operator, intermediate or depot-level training courses on company products and systems; conducting product demonstrations or field trials and support product installation; preparing demonstration orders and maintaining inventory; extensive international/domestic travel.

**Requirements:** Candidate must possess excellent verbal and written communication skills. Able to read and interpret technical schematic diagrams. Able to train electronic technicians to component level. Skilled in the use of standard bench test equipment. Be able to work in a team and independently. Be able to communicate in a professional demeanor with all levels of personnel. Exercise independent judgment in performance of job duties, and seek approval when deviation from established procedures and guidelines are required. Minimum AA Degree or 3-4 years experience in a related industry. Able to travel internationally/domestically (passport required). Must possess a valid driver's license. Second language is desirable; not required.

Please forward your resume as follows: Via email to [hr@dtwc.com](mailto:hr@dtwc.com)  
Via fax to: (760) 597-3710

EOE

ipate in the FD planning net, and if your are interested, to go forward and join us for yet another great FD in 2001.

We have four principal objectives for FD: Practice emergency and field condition communications skills; Introduce new hams and club members to all the modes of amateur Radio; do the best we can in running up a commanding score to continue our 11 year record of highest score on FD from San Diego county; and above all HAVE FUN!

Our first FD Workparty is scheduled to take place starting at 10:00 AM on Sunday, February 18th., at the Club's storage site adjacent to W9FQN's QTH.

Talk in will be on the 146.730 or 147.130 repeaters depending on whether or not we overlap with the Sunday morning nets. Purpose of the first workparty is to establish a comprehensive inventory of all the material we have available for FD 2001.

See you at the workparty! NN3V

## N6IE

(history)

Stan Rohrer

W9FQN@amsat.org

Felix Ferranto, N6IE, has been a great supporter of the Palomar Amateur Radio Club for many years. I remember one Field Day when Felix was setting up the CW station on the west side of the tank area when he lost his footing and rolled almost 35 feet down the embank-

through the enthusiastic participation of a large number of the Club members, we inventoried a lot of the Club's FD equipment, did major maintenance on the Club's antennas, and developed some unique demonstrations that were a lot of fun at FD.

had a series of FANTASTIC field day work site breakfasts cooked up by our very own ChefMeister, KF6WTN, who then set up the now world renown "FD Road Kill Cafe" at the FD site, and earned the I.O.O.K. honor of "Best FD Kitchen 2000" in the United States.

In addition to the technical side, we

So, we certainly invite you to partic-

# HAM

# RADIO

H  
R  
O

# OUTLET

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

KENWOOD  
of CONCEPTS  
DIAMOND  
US TOWERS  
KANTRONICS  
YAESU  
MFJ, ICOM  
BENCHER, Inc.  
HUSTLER  
COMET  
AMERITRON

Astron,  
AEA,  
OUTBACKER  
Larsen Antenas  
TEN-TEC  
hy-gain, Tri-EX,  
cushcraft  
and  
others too  
numerous to  
mention!

Drop in to see our display of working equipment.  
Find out about Pkt location determining equipment (APRS).  
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: 10a.m. - 5:30p.m. *Ask about our great prices*  
**Monday thru Saturday**  
858 560-4900 or toll free 1-800-854-6046  
5375 Kearny Villa Rd, S. D.

Dec-98

**Directions:** On 163, take Clairemont Mesa Blvd. off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and HRO sign. Be sure to see our equipment in action on real antennas.

ment into a pile of rocks breaking his right hand.

Being a 1st class Marine, Felix immediately went to the Marine Base Hospital on camp Pendleton. Within hours, Felix was splinted, told to go home and rest, but he instead returned to our present Field Day site with a splinted right hand and spent the rest of Field Day sending Morse Code with his left hand! Felix used to do a lot of mobile CW operation and could send with either hand.

Felix has held these calls: W2BDU, W2OYT .. W6NDH, OM1TB, XU2ZA, X2ZH, KC4USC, etc and now with **N6IE**.

Felix spent time at the South Pole with one of Admiral Bird's expeditions.

Probably one of Felix's most trying times was serving in Korea as a communications officer. One day he took off in a jeep to scout out a new communications location. While driving north up the road he ran into a group of enemy soldiers carrying heavy weapons but for some reason they did not fire on Felix, so he continued at high speed only to round a bend in the road into a column of Chinese volunteers. He then understood why they had not fired upon him!

Slamming on his breaks, he spun the Jeep around and headed back towards his own outfit BUT the group he had just passed earlier was waiting for him with road mines. One went off blowing the Jeep over onto Felix's leg.

Several of the Chinese came over and were going to end Felix's misery when Felix, who had been a guard at an American Embassy in China in the 30's, said in fairly good Chinese, "please help me!"

To his amazement, they laid down their automatic weapons, lifted the Jeep off his broken leg, and took him to their Chinese column hospital where Felix had many interesting experiences (received credit once for saving a wounded Chinese soldier from an American napalm attack) until he infuriated a Chinese guard one night resulting in his being turned over to the North Koreans where his capture really turned hellish.

But that is another three or four stories.

Hey, Felix, glad to see you are alive and still kicking ..we have missed seeing you these last 5-8 years ...and thanks for the check for 10 more years of the Palomar Amateur Radio Club ..and I plan on sticking around to see you re-up for the next 10! **Remember, you can't keep a good Marine down!**

(Uncommon Valor is a Common Virtue)

## Herb Johnson *(estate)*

Many thanks to Rob Craik, **WA6GYG**, for his help in taking care of the estate of Herb Johnson. Rob inventoried, cataloged, packed, and helped move the large amount of items donated to the club which came to a big trailer load of transceiver "end of the run" parts for the new Atlas400X.

Some of these items were brought to the January Club meeting and more will be brought to our following meetings.

## \$\$\$\$ Why?

The Palomar Amateur Radio Club operates limited radio facilities at four different locations plus the main repeater site on Palomar Mountain.

The site on Palomar Mountain is an extremely important site since it contains all of our voice, digital, and ATV repeaters.

If we loose the Palomar Site, the club is in trouble.

Our first objective was to buy the site so that we were the ones in control of our destiny. This was done in 1983.

We pay NO RENT. We own the site having bought it for \$18,000 although for various reasons the club ended up paying off the loan for much less than the \$18,000 purchase price.

If there is a fire that sweeps up over the site destroying antennas, tower, and buildings. We again will be placed in a rather bad situation.

We are doing everything that we can to fireproof our investment.

We have "salted" away another heavy duty 70' tower but fire will destroy the heliastax and antennas ..if not the repeater buildings too.

The club will need to replace these

items as soon as we loose them which is going to take time and lots of money. Fortunately, the club has been rather fugal over the years and while our treasury seem quite loaded (see page 3), it should be noted that the antennas we use sell for about \$7-800 each and heliastax sells for several dollars per ft.

When you consider 20 some antennas on the tower with each requiring approximately 50-60+ feet of heliastax, this adds up to lots of \$\$\$\$ we would need to replace any destroyed items.

## Weather

LarryRuegseger wa6utq@connectnet.com

During our San Diego Winters we sometimes have what we might call "bad weather" and we would like to find out just how bad it is going to be.

Here are some www addresses that might help answer your questions. Make sure to give them time to completely download before moving the arrows to see your area of interest.

<http://cad.chp.ca.gov/>

<http://edis.oes.ca.gov/>

<http://www.boi.noaa.gov/FIREWX/LAXFWFUCR.html>

<http://www.intellicast.com/LocalWeather/World/UnitedStates/Southwest/California/SanDiego/RadarLoop/>

<http://www.cnn.com/WEATHER/NAmerica/us.reg/sat.sw.anim.html>

If all else fails, look outside!

## Charter Members

It appears that of the 27 original Palomar Amateur Radio Club Charter members that only one is still alive: Jack Cornell, W6MMO.

Telephone calls and letters to Alaska trying to locate W6MMZ John Trent (KL7DG) apparently have all failed. The last time your editor spoke by phone to John was probably before the club's 55th or 60th anniversary.

## Join 1 + +

Many of our members are renewing their club membership for more than one year at a time which is a great help to our club membership chairman, Al Donlevy, W6GNI.



# For Sail

(01-23)**Cobra** Mod 41 plus 40 channel CB Transceiver with 3 weather channels \$25: AB6QT 760-742-1573 after 5 pm.

(01-22)**HEATH** Digital Weather station Mod. ID-4001 Wind Speed and Wind Direction need TLC with all parts & manual built by a HAM with good skills! \$20 OBO: AB6QT 760-742-1573 after 5 pm.

(01-21)Home made **Grid Dip Meter** with documentation. Must see to appreciate this work of art! Best Offer: AB6QT 760-742-1573 after 5 pm.

(01-20)Boys 6 Speed **Bike** Excellent condition! \$50 firm: AB6QT 760-742-1573 after 5pm.

(01.09)ESTATE SALE: **Ham desk** 49"H X 49"W, three levels, desk level flat (you can write on it) with back part slanted so radio gear faces "UP" toward operator, top two shelves are 16" deep, pick up in San Diego. \$75: Sonny, 760-724-0049 or [ststires@prodigy.net](mailto:ststires@prodigy.net)

(12.14)**Heath** VTVM w/RF probe/manual \$35; **Hustler** mobile ant 10/20/40

**Personal equipment ads** are free to members and could be "bumped" after 3 mo. Make up your ad like the ones below and send to Editor, W9FQN, 30311 Cir. R Ln, Vily. Ctr. CA 92082, ([W9FQN@Juno.com](mailto:W9FQN@Juno.com)) before the 20th of each month.

**Commercial Ads** in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. [W9FQN@Juno.com](mailto:W9FQN@Juno.com)

coils w/base \$50; KW SWR(separate sensor/meter) \$25; Selection heavy duty switches, coils & var. condensers for KW project; **MAC Performa** 630CD w/monitor, 56 modem, printer, scanner, lots of software/handbooks offer?; 2 **ANTIQUES** for bids (Circa 1925 **Magnavox** audio Fq. Amp. Type AC3, Mod. C, No.2236 using 3 type 01-A push-twist tubes, external 'A' & 'B' batteries; Circa 1933 **Heintz/Kaufman** Ltd San Francisco Radio receiver regenerative type 900 # 113, 3800-23000kc, US Patents 1,507689-1,907,806 \$400+); Larry W6LCT Vista 760.724.9996 B4 5pm or 7-9pm daily.

(12.13)**Radio Shack** less than 1yr old 10m HTX-10 mobile all mode \$75: KF6VHA 760-310-6642.

(12.11)Mint **Yaesu** FT-690 MKII, w/ spare speaker-mike & battery case \$300, Includes box & paper work:Peter VE7 CQA (858) 942-5502

(12.10)**Radio Shack** PRO-46 HT portable scanner, VHF Hi & Lo, UHF including 800Mhz, Aircraft, 6m, 2m, and 70cm, Rubber duck, nicads, wall charger, box, & manual \$45: Jerry WB6FMT 760-758-4388.

(12.10)**Heathkit** SB-104 w/remote VFO & Pwr supply, buyer to make tax deductible donation to private school: Rick KB6GZ 858-366-4016.

(11-27)**Estate Sale: Yaesu** FRG-7 Rrcvr \$200; **Yaesu** FL-2100F Linear 1200w \$300; **Kenwood** TS-520 W/ VFO & spkr \$200; **Palomar** Watt Meter Mod 500 \$50; **Siltronix** 1011B Transceiver

\$150; **Heathkit** Keyer \$15; **Westcom** 20A Pwr supply \$60; **Palomar** Messenger 2V Linear \$50; **Siltronix** PM-15 **Realistic** CB Base W/SSB TRC-457 \$100; Big Stick Ant \$35; multi band vertical \$75; 10m **Ringo** \$50; NO RESONABLE OFFER REFUSED: Dave WB6DAV SM (760) 727-5560.

(11.10)**Kenwood** ant tuner (AT230); remote VFO 230, transceiver TS 530S & mic MC 35S, Mint cond \$600: KF6HHE Richard (760) 598-8289.

(11.10)**I-COM** 7351 w/pwr supply, MFJ deluxe tuner II, I-COM SM5 mike, MFJ electronic paddle \$700: KF6HHE Richard (760) 598-8289.

(9-19)**N6OLE** Home made Grid Dip Meter make offer; **Sears ROAD-TALKER40** SSB XCVR \$50; military throat mic + headphones BO; Precision "Steel Six" lab mtrs. \$5 ea; Proximator I vehicle det. \$2; **Olson** CB067 Swr Mtr. \$3; Keithly Auto R. Mtr. \$15; Motion Det. Solfan 5240 \$5; 25v.3A Reg. Pwr Sup \$20; CDR Decade Capacitor \$4; Sabtronics Freq. Cntr mod. 8110A \$20; **Healthdyne** Lab digital thermometer mod. 2000 \$5; call AB6QT at 760-742-1573 after 5pm.

(9.1)2m packet station, **PK-12** controller, **Kenwood** 2m 7950 xcvr, cable assys & manuals, computer software & disks \$150; all units working & all reasonable offers considered: Al N6GNB Ulrich525 @aol.com 760-741-1840 Esc.

**WANTED:** (A few good men/women) ☒

(01.20)Wanted: Reasonably priced **HF rig** (WARC bands) w/pwr supply mic & manuals. Ant. tuner desired: Ted K6BPP 760-471-2558 San Marcos.

(01.18)Wanted: help in re-programming **Motorola** Radius P110 UHF radio (4 simplex channels around 467MHz.): Peter VE7 CQA (858) 942-5502

## PALOMAR ENGINEERS

Box 462222, Escondido, CA 92046

### TOROID CORES

Palomar stocks a wide variety of cores and beads. Our RFI Tip Sheet is free on request. Our RFI kit keeps RF out of your telephones, TVs, stereo, etc. Model RFI-4 \$25 + tax + \$6 to ship.

### BALUN KITS

Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160 m).

**Model BA-58** (for RG58, RG8X & similar cables up to 1/4" dia. \$7.50 + tax + \$6 S&H/order

**Model BA-8** (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

### TUNER-TUNER

Tune your tuner without transmitting. Save that rig! Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You

See catalog at [www.Palomar-Engineers.com](http://www.Palomar-Engineers.com)  
Please check our complete ads in **QST**, **73**, **CQ**, and **World Radio** magazines.

## Reaching Amateur Radio Operators for Christ

Reaching Amateur Radio Operators for Christ meets each Sunday at 7:00p.m. on 147.270. All HAM operators are welcome to drop in and share scripture or just listen. KF6VHA

## The NiCd Lady Company

### O.E.M. Assembly Rebuilds Batteries-Lead Acids Replacement Packs

20585 Camino Del Sol Unit B (909)653-8868  
Riverside, CA 92508 Fax (909)653-5189  
[www.nicdlady.com](http://www.nicdlady.com) e-mail: [nicdlady@nicdlady.com](mailto:nicdlady@nicdlady.com)

(01.09)Wanted: 13.8v 20amp P.S. & 80-10m HF vertical. Offering fair price for used equipment: jacox@home.com

(12.15) Wanted: I'm looking for copies of a series of articles that appeared in some old issues of QEX. Specifically: "Signals, Samples, and Stuff", March through August 1998 issues of QEX. If anyone has these, please send an email to: Vito at -vbica@clea.qualcomm.com

(11.23)Wanted: Kenwood TS-430s with PS-430 power supply: sstires@prodigy.net phone: Sonny (760)724-0049)

(10.2)Wanted: Kenwood TR-2500 alkaline battery case: Dennis K7DCG 858-748-9046 or K7DCG@arrl.net.

(9.9)Wanted: Clegg FM-28 2m rig Manual & Schematic (to copy): Dennis, N6KI, 858 271-6079 or n6ki@amsat.org

(8.10) Want pwr and audio output transformer (pairs) from only vacuum tube stereos, old speakers, stereo tuners/amps working or not from '50s-70s, will pickup & pay cash: John ac6ts@amsat.org or 760-747-9431.

## Grab Bag at Mtgs.

At the next club meeting **W9FQN** Stan will have some more of the club's buckets of valuable junk at a table near the right wall (at least it is not the wrong wall:) small parts, radio books, magazines, HT belt holders, etc. Some items are priced 4/\$1 and other buckets 2/\$1.

## Walkie-Talkie

Al Gross, the inventor (among many other things) of the modern day Walkie-Talkie, pager, and cordless phone died December 21st 2000 in Sun City, Arizona.

Al received his first taste of radio visiting the radio room of a ship on lake Erie in 1928. In 1931 he made his first radio and at age 16 he obtained his amateur radio license. By 1938 Al received a patent for the world's first walkie-talkie.

Later on he invented the 1st pager and chordless telephone. He also made spy radios for the government and held the first FCC CB license. Al's inventions were seen by the cartoonist, Gould, who incorporated several of them into Dick Tracy's 1948 crime fighter two-way wrist radio!

(It is hard to believe that this is the 1,500th page that I have produced since 19?? -Ed)

(basic information de L.A. Times via Nash W6HCD)

## W6HCD

Club member, Nash Williams, W6HCD, is very active in the Flying Sams (The Flying Samaritans) who render volunteer medical aid and service to some of the remote villages in Mexico.

Nash, a founder and ex-president of the Foothill Chapter, has been active with the Palomar Chapter which serves medical and eye clinics in Tecate, Tatarosto, and Ensenada; Mexico where villagers from smaller towns come in for free treatment.

If you have old non-used eye glasses, or glass cases, bring them in to a club meeting so that Nash can "recycle" them among the needy in Mexico.

If you have some Spanish language skills, they can always use interpreters at the clinics. Contact Nash for more information at -

NashWilliams@compuserve.com

## Letters/E-mail

#1. Just a short note that I enjoy pulling up the PARC newsletter via the internet.....am a former member of PARC and hope that upon my return to the Oceanside area (still have a home in the Rancho Del Oro area), I can resume the hobby schedule with PARC activities. I left for Okinawa in 1993 with my family - have been here ever since!

As always, all the best and good DX'g. 73 de Larry Bishop (KC6PRH/7J6CCM)

## Field Day (reminder)

Wednesday evenings we will operate the FD planning net on the 146.730 repeater, starting at 8:00 PM.

Remember the work party at the FD site on February 18th in Valley Ctr.

## Committee Chairmen

(appointed to serve Sept '99)

ARESinfo	-Dennis S	K7DCG@amsat.org
Attendance	-Stan R	W9FQN@amsat.org
ATV	-Bills KB6MCU	W6GIC@amsat.org
Auction	-TedW	KD6BFI@amsat.org
Badges new	-Al	W6GNI@amsat.org
old	-John T	W6OLQ@amsat.org
Batteries	-David KD6EBY	DAT@Gerry.Palomar.caltech.edu
BBSMonitor	-Bill B	N6FMK@amsat.org
Billing:Ads/etc	-L.yell K	K6GVM@arrl.net
By-laws	-Paul KF6VIE	pdecicco@pondlaw.com
&	-Ron RWA9JCL	r3mb@concentric.net
Contest Info	-Dennis	N6KI@amsat.org
ControlOps	-filled	W6NWG@amsat.org
D.Mar Fair-Barbara R	KA6FPS	Tennis42@Juno.com
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Equip Inv.	-	(to be announced soon)
Field Day	-Charlie	NN3V@ARRL.net
FDTech	-John K	WB6IQS@Juno.com
Historian	-Stan R	W9FQN@Juno.com
Interference	-Bills KB6MCU	W6GIC@amsat.org
Inventory	-DennisBaca	DennisKD6TUJ@juno.com
MtgGoodies	-	
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-Stan R	W9FQN@Juno.com
Newsletter	-Stan R	W9FQN@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-Stan R	W9FQN@Juno.com
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-MarshP	W6SAX@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-CharlieR	NN3V@ARRL.net
Publicity	-Fred S	KE6BGI@amsat.org
QSL Cards	-MerleR	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag-	W6HCD	NashWilliams@Compuserve.com
Rptr Site	-Stan R	W9FQN@Juno.com
Rptr Skeds	-Stan R	W9FQN@Juno.com
SANDARC	-Sybil A	W6GIC@amsat.org
	-Bills KB6MCU	W6GIC@amsat.org
SellerTable	-John K	WB6IQS@Juno.com
AstSWDivDir	-Walt	WA6ODQ@arrl.net
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuncDancer@worldnet.att.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG	-MikeD	AB6QT@amsat.org
Web Site	-Frank L	KE6WOE@amsat.org

## (Net Managers) (see pg.12)

ARES Sun	-Stan R	W9FQN@amsat.org
Staff Net	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-Mike D	AB6QT@amsat.org
	-David D	KC6YSO@amsat.org
Hiking	-Ed	KF6DXX@Juno.com
	-Glenn KE6ZLY	KE6ZLY@Juno.com
MARA	-Cathy KE6IQU	W6NWG@amsat.org
Microwave	-Kerry B	N6LZW@qualcomm.com
Off Road	-Jerry A	jwak6pfp@cts.com
	-DickW KA7AYT	rwilimek@home.com
Sailors	-Larry D	W6QCA@amsat.org
Traffic(SDCTN)	-CharlesN6TEP	cmiele@juno.com

Names in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to **W6NWG@amsat.org** or P. O. Box 73, Vista, CA 92085-0073.

## Repeater Status 12.29.01

146.730+ : Normal, no problems  
147.075- : Normal, no problems  
147.130- : Normal, no problems  
447.000- : No DC when on emg pwr  
52.680 : Normal, no problems  
146.700- : Packet Repeater Normal  
145.050s : Packet Digi Normal  
PALBBS : Bulletin Board Normal  
AutoPatch: Normal, no problems  
ATV : No observed problems(?)

## Work Parties *(trabajo)*

*(General workparties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)*

**Next general workparty:** there are no scheduled repeater site work parties until further notice because of unfavorable weather. There has been one to two feet of drifted snow at the site and while it is easy to get into the site, it is very difficult getting out!

**Next Cargo Container workparty:** next scheduled will be in March.

**Next FD workparty:** Feb 18th at PARC Cargo Container in Valley Ctr.

## IR Detectors

Peter Shintani, VE7CQA, donated a bag of **Infra Red Detectors** to the club and anyone interested in picking up one should contact W9FQN at meetings. Peter suggested we request \$0.25 each so be sure to have your change ...or \$1 bills ready!

They work from almost DC up to about 38KHz and their output is TTL with a voltage of 5vdc. You can contact Peter at most club meetings for additional details.

The chip has a built in amplifier, agc, and filter. It is designed to respond to a 38KHz carrier and they can be used in an IR sensor alarm system using a 555 timer IC to generate the 38kHz signal to drive an IR LED.

When the beam is disturbed the output of the detector chip will chain.

The definition of the three pins is as follows: with the detector lying on a table facing up, ie the blackish hole is facing up, with the leads pointing to-

## Technical, autopatch, repeaters, etc:

AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)

pg.9  
-21-  
1,501

wards you the definition of the leads from left to right is:

**Ground; +5V; and output**

Add a small by pass cap( 10 uF) at the detector's power lead & add a series 100 ohm resister in the output line to protect the device from static. *(most of the above taken from VE7CQS e-mails -Ed)*

## Tech Report

Mike Doyle AB6QT@amsat.org

**12-23-00** When I went to the site to check on a few things I found that the 146.730 controller had a mysterious problem. (It would sporadically start sending the "P").

I replaced the entire controller card to fix the problem at the time. After returning home I did the troubleshooting on the failed card and found that bit PA6 on the 6821 PIA chip was "stuck" at 1 volt above ground.

This signal should always be either zero or +5 volts, but nothing in between. Normal operation of the controller resumed when the new chip was installed, which means that we still have the same number of spare cards as before the

failure. I also replaced the cables on the cavity system on the 146.730 while I was there.

Art (**KC6UQH**) made up the new cables and tested them some months ago, and now they are in the system and working. (Thanks ART). In the process of replacing the cables we did away with a bunch of adapters in the system which will make the system more reliable. (fewer connections to fail).

There was another problem plaguing the 447 repeater which was easily fixed with a squelch adjustment. The RX and TX frequencies were checked also since we recently replaced the channel elements, and they both checked to be within 100 hz of perfect. The sensitivity of the RCVR was checked and was found to be good at better than .15 microvolt into the preamp.

I took several power supplies to the site and left them there. One was a donated supply which I repaired and tested, and the other one is a power supply that will eventually be used to charge batteries at the site.

If any users encounter any problems with any part of the PARC repeaters,

## From MILLIWATTS to KILOWATTS

**RF POWER TRANSISTORS - TUBES - POWER MODULES**

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**RF PARTS, 435 S. Pacific Street**

please send me an e-mail as soon as possible, or call me at 760-742-1573. Back to you! de AB6QT.

## Trucks

From time to time the club needs the use of trucks and/or trailers to take care of various hauling projects.

**Fire:** the recent fire at the base of Palomar Mountain again pointed out the need of ways to get most of our equipment off of Palomar Mountain or at least moved to a safer location.

About 11 years ago when we had the 11 day fire on the mountain, we had several trucks at the site ready to remove repeaters in case the fire came any closer to the site. Fortunately, they were not needed but sometime we might need to move equipment.

The club is going to need to write up an emergency fire plan.

**Batteries:** the club owns 24 large never used 2.1 volt cells, each 1,800 Amp Hours, which are stored in Valley Center under trickle charge which we will need to move to the repeater site sometime by the end of next summer after the newly cleared old block building is ready to accept them.

We have new DC wiring that needs to be installed, racks built, and chargers to be installed.

Each cell weigh about 350-400 pounds and costs new about \$800 so we want to be very careful in how we move them up to the repeater site.

When the 14 older cells were moved years ago, we cracked one cell as we moved it into the battery building allowing some acid to seep out of the cell although later the cell was successfully repaired and has been in service for 10 years along with the remaining 13 cells.

We plan on keeping the old cells in the old battery building until we run through their useful life which according to specs is about 20 years. We picked up the cells when they were about 11 years old and they are now ?? years old. Unused cells last longer than 20 years. Used (abused) cells that are pulled down in voltage last less than 20 years.

**General:** from time to time we have small hauling jobs that need to be taken care of such as antennas, wood trash from work parties, etc.

=====

If you have a truck or trailer that you could make available on a limited basis, please contact **W9FQNStan** at **W9FQN@Juno.com**, meetings, or by phone 760.749.0276. I would rather have e-mail addresses if they are available so that I could easily give you updates from time to time.

Please indicate which of the above three areas you might be able to participate in and indicate when you are most free during the week and on weekends.

## Contests

**Harry Hodges** **W6YOO@amsat.org**  
 Feb 3 DE, VT, NH, & ME QSO Parties  
 Feb 3 Freeze Your B \_\_\_ Off QRP FD  
 Feb 4 NA SSB Sprint  
 Feb 10 CQ WW RTTY WPX Contest  
 Feb 11 NA CW Sprint  
 Feb 17 ARRL DX Contest, CW  
 Feb 23 CQ WW 160 Meter Contest, SSB  
 Feb 24 NC QSO Party  
 Feb 26 CO QRP QSO Party  
 Mar 3 ARRL DX Contest, SSB  
 Mar 13 CLARA and Family HF Contest

Several state QSO Parties makes February a great month to increase your WAS count.

The ARRL DX contests come in late February and early March with some minor contests in between. Rules are in QST, CQ, Worldradio and National Contest Journal. See you in the contest, 73, Harry, W6YOO  
 ARRL ASM - VE Team Leader

## Construction ??

From time to time PARC is the recipient of a fair number of "junk" parts which could be the basis of an electronics project.

**W9FQNStan** will have a display board at the March meeting showing some of those small parts. Check it out and see if you have any suggestions for how they could be used for a construction project that club members could construct for themselves.

## Patch E-mail

W9FQN is having e-mail to the following members that is being returned for various reasons -

**WB6NFK, & KF6SMB**

Please send him an e-mail at his autopatch address below.

Club members who are signed up for using the autopatch and have PIN numbers and E-mail addresses, you should be receiving at least one e-mail update every month.

If you have not been receiving these monthly updates, please drop Stan an e-mail at - **W9FQN1@Juno.com** and note that it is a 1(one) after FQN.

Her is a copy of the last e-mail -  
*Not really much going on.*

*Everything working very well.*

*The 760 patch antennas fell down but still worked with a little noise.*

*About 10" of snow at the rptr site.*

*Most users are making very few mistakes in dialing*

**CAUTIONS:**

*1st digit needs to be about .5 to .8 seconds long*

*make sure you finish your dialed number with a "\*\*\*"*

*say your callsign after you dial number and before # at end*

*do not call work and tell them you will be late (FCC NO NO)*

*do not discuss any digits dialed over the repeater*

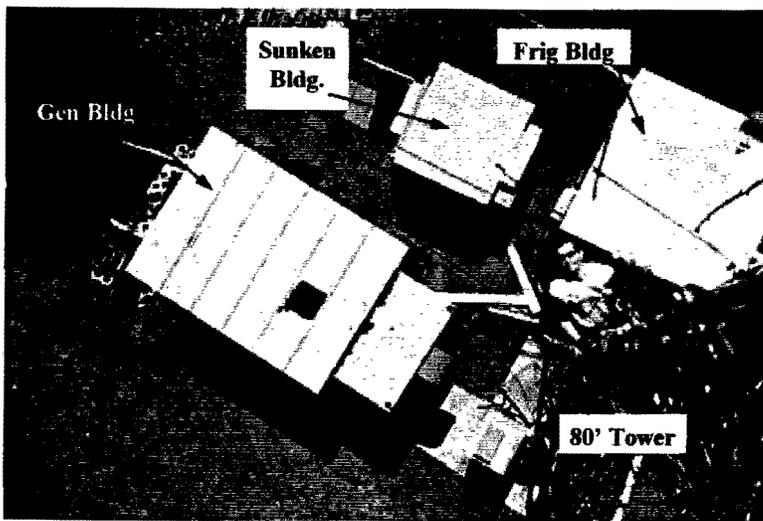
*if you do not hear beeps after you dialed, issue a #, try again*

*please use high power when running patches*

*take off your gloves before dialing digits!*

**MEMBERSHIP:**

*If your membership has expired, you will be dropped in a month or so from this list and also your PIN number dropped. You have until January 23rd to be updated in the computer. When you renew, please renew for several years so I don't have to update things yearly. Have fun! 73, Star W9FQN*



View from the 80' tower looking down on the new repeater building made from a converted generator container. The sunken building is down in the ground about 3'.

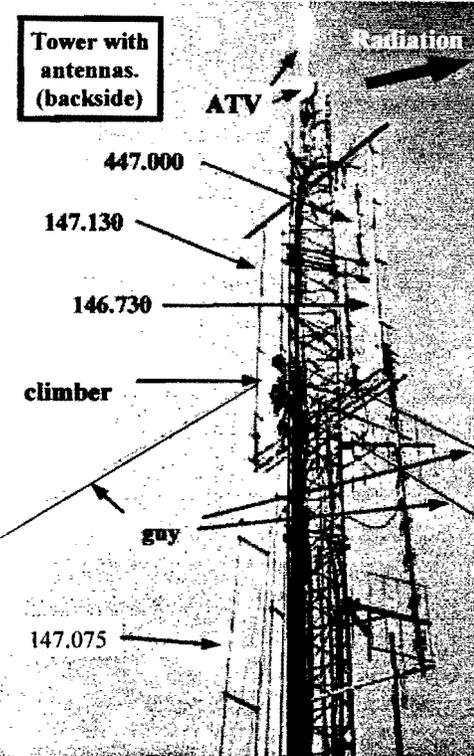
While the pictures on this page look great on the copy sent to the printers, their reproduction in the Scope could be less than desired. Any experts on photo reproduction with suggestions are welcome.

## PALBBS (Pkt Status Report)

**Bruno Haineault** [KF6QDP@amsat.org](mailto:KF6QDP@amsat.org)  
The following is a status report of the Palomar ARC Packet Bulletin Board System 2001.01.21.

- Active messages --> 441
  - Registered Users --> 48
  - Link status:
    - 146.07 direct link --> Functional
    - 146.07 link via ESCN node -->
- Some problems between ESCN and PALBBS (I have noticed that the path

In the photo below, you can see some of the club's antennas: folded dipoles; corner reflectors; beams; collinears with reflectors; etc.



ESCN, I can see that although PALBBS is responding to ESCN's commands, PALBBS' responses are not always understood by ESCN. This results in very slow links and/or disconnections.

Further tests are needed from the PALBBS site in Vista. I will post the results on PALBBS' "opening screen")  
146.70 link via Palomar Mountain repeater --> Functional

## Digital Modes (Digest)

**Bruno Haineault** [KF6QDP@amsat.org](mailto:KF6QDP@amsat.org)  
If you are even slightly involved with digital communications, you must have noted the arrival of several new digital modes on HF radio.

All of this new development revolves around the use of increasingly powerful computers and sound cards. As these modes are computation intensive, they prefer at least a Pentium-class computer and Microsoft Windows 95 or higher.

I know that many of you still use 386/486-based computers, but as these new modes perform all of the modem decoding functions in software, a more powerful computer is really required. In your case, you might need to use external modems (Kantronics, HAL, MFJ, SCS-Pactor, etc.) Some applications are available for Macintosh and Unix/Linux based computers.

What follows is a partial list of Microsoft Windows-based applications that are presently available via the Internet. I have provided a quick summary of the modes supported, the URL and the current revision level (well, at least

as current as one can be in light of editorial time limitations).

This list is not meant to be an exhaustive one, but more of a starting point for those who are interested. Now, even if you are not ready to transmit on HF, you can still download these applications and use them in receive mode. This will give you an insight on what you might be missing.

- Modes supported:
- |                                    |                               |           |
|------------------------------------|-------------------------------|-----------|
| 1 PSK31                            | 2 MFSK16                      | 3 MT63    |
| 4 THROB25                          | 5 ALE                         | 6 RTTY    |
| 7 CW                               | 8 HELL                        | 9 PSK125F |
| 10 PSK63F                          | 11 MFSK8                      | 12 HFSK16 |
| 13 ALE (F)=Freeware (\$)=Shareware | Application Version Modes URL |           |
- STREAM (F) v 0.88a 1,2,9,10, 11
  - [http://iz8bly.sysonline.it/MMTTY\(F\)v1.606](http://iz8bly.sysonline.it/MMTTY(F)v1.606)
  - [http://www.geocities.com/mtty\\_rtty](http://www.geocities.com/mtty_rtty)
  - MT63 Terminal (F) v 0.99k 3
  - <http://iz8bly.sysonline.it/>
  - Digipan (F) v 1.6 1
  - <http://members.home.net/hteller/digipan/>
  - THROB-2000 (F) v 2.5 4
  - <http://www.lsear.freemove.co.uk/index.html>
  - Hellschreiber (F) v 3.6 8
  - <http://iz8bly.sysonline.it/>
  - HamScope (F) v 1.21 1,2,3,6,7,12
  - <http://users.mesatop.com/~ghansen/>
  - DXPFsk (French F) v 1.7c 1
  - <http://members.aol.com/chramade/dx-file.htm>
  - PC-ALE (F) v 1.03 13
  - <http://www.chbrain.dircon.co.uk/pcalc.html>
- Please send any comments and/or suggestions to: [kf6qdp@amsat.org](mailto:kf6qdp@amsat.org) or via packet to: [kf6qdp@w6nwg.#sca.ca.usa.noam](mailto:kf6qdp@w6nwg.#sca.ca.usa.noam)  
Bruno Haineault, KF6QDP/VE2EQ  
Oceanside, California

**Happy Valentines Day! 73/88**

# PARC NETS (04/00)

All 147.075 10-11pm MCW contacts  
 All 147.130 2130+ pm Facitious Group  
 Sun.146.730 8:30am AREmergency Service  
 Sun.146.730 10:00am Sailor's Net  
 Sun.147.075 8:45pm MARA Net  
 Mon.146.730 7:15pm RACES sub Net  
 Mon.146.730 9:00pm Microwave Net  
 Tue.146.730 8:00pm Traffic Net (SDCTN)  
 Tue.146.730 9:00pm Off Rooding Net  
 Thu.146.730 8:00pm Traffic Net (SDCTN)  
 Thu.146.730 9:00pm Ham Help Net  
 (electronics, computers, antennas, license theory, etc.)  
 Fri.146.730 9:00pm Hiker's Net  
 Sat. 146.730 8:00pm Traffic Net  
 (SDCTN)  
 Sat. 52.680 8:00pm 6m ARES Net

POSTMASTER: Send address changes to Scope, P.O.Box 73, Vista, CA 92085-0073 (also on page 1)



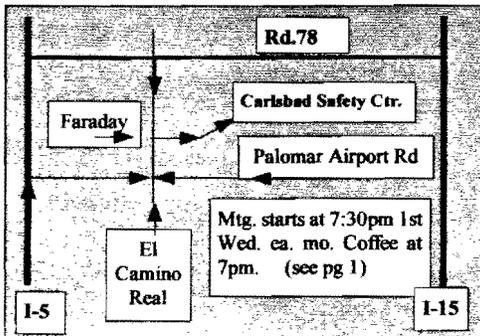
Feb. 2001 pg.12 -24- 1,504

## Time Dated Material

**Flash: PARC Birthday Party February 7th!**  
**.. also recognition of hams 75 years young and older!!!!(see page 1)**  
**N6IE see pg 5.**

Perodicals Postage Pd. at Vista CA 92085-9998

## Back at the Carlsbad Safety !



# cover me!

*Fold, I am old and cold, I am told !*

## PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

## OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWG)

PARC Trustee of W6NWG: AB6QT

\*52.680- W6NWG, -0.5 MHz

Autopatches(4): 146.730-, \*147.075+

\*147.130+, \*447.000-

PKT: 145.050s (PALMAR/W6NWG-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

Intercom: 146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94- KK6KD(HARS)

\*447.05- & \*145.26- KK6KD(HARS)

\*146.175+ N6FQ(FalbrkARC) linked

to 448.900 MHz (-) 103.5PL

\*224.90- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

\*=107.2 Hz

## Pg. NEWS WORTHY

- 01 Club program; U75?; Tnx KB6MLA; PARC Birthday
- 02 Founding Fathers; Board Mtg.;
- 03 Officers; Trea\$; PresMsg; AGOGO; list of Founding Fathers
- 04 e-mail addr; membership; dues; ARES; FD planning
- 05 N6IE;
- 06 Herb Johnson; \$\$\$Why; Wx; Charter;
- 07 For Sail; Ads;
- 08 Grab Bags; 1st HT; W6HCD; Ltrs; FD;
- 09 Work parties; IR detectors; Tech Rpt;
- 10 Trucks; Contests; Construction; Patch e-mail;
- 11 PALBBS; Digital Modes; pictures;
- 12 You are looking at it!

(do you always read the fine print?)  
and even this?

## Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>

## Repeaters in Use

Please schedule special repeater use at least one month ahead of intended use with W9FQN:

## PARC 2001 Calendar

Feb. 2001 -

07 Wed, Club Mtg.7:30pm, Carlsbad SafetyCtr

10 Sat, PARC Testing, Carlsbad Safety Ctr

14 Wed, Board Meeting W6GNI QTH

(more fine print)

## Join the ARRL

see KB6NMK

**PARC Testing** - tests given each 2nd Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty AA6OM at 760-747-5872 or at

[DuneDancer@worldnet.att.net](mailto:DuneDancer@worldnet.att.net)

Register 5-7 days in advance for tests.

**Escondido Testing** - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N.Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.



# Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Mar.  
'01  
pg.1  
-25-  
1,505

also ATV & 4  
autopatches

## Palomar Amateur Radio Club Inc.

Scope (USPS #076530) Vol. XXVII No. 3, March 2001, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085.  
Dues \$12/yr or \$21/family/yr (includes newsletter subscription, \$3 in SDCo. & \$4 out of SDCo.)  
Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

**POSTMASTER:** Send address changes to SCOPE, P.O.Box 73, Vista CA 92085-0073.  
See pg. 12: Contents, Club Calendar, Repeater Use, PARC Frequencies, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

## Club Meeting

Charlie Ristorelli NN3JV@amsat.org

(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

### March 2001 Program

Many of us are familiar with the trials and tribulations associated with erecting antennas. At the heart of the matter, we know that good DX goes with a good antenna, and the higher off the ground, and larger the antenna physical size, the better.

Well, this month we have the rare opportunity of challenging common wisdom! Our very own **KC6YSO** (Dave Doan) is going to open the door to the fascinating matter of "unusual antennas".

Consider the needs of the emergency communicator who, in addition to needing the long range communication offered by the traditional antenna (when helping the earthquake victims in El Salvador, you need DX!), must also contend with effective communications in the vicinity of the cause for the emergency condition.

As you look around us here in Southern California, you will notice that the mountains and hills offer excellent opportunity of "shading" VHF/UHF communications (as experienced by the San Diego Police department's brand spanking new communication

system which is ineffective in parts of the county). VHF/UHF simply does poorly "around corners".

Dave is going to talk with us about the way of setting up antennas, communicating in the HF portion of the band, to take advantage of the HF capability to fill in the gaps in shaded areas. The Near Vertical Incidence System (NVIS) antenna will be the subject of the March program, and I believe you will find the topic to be one more technical detail you frequently overlook, but well worth knowing about.

And for those of you interested in "spicing up" your evening out, consider joining the many members of the Club who congregate for early dinner in the Carlsbad vicinity. There's always a crowd on 146.730, starting around 5:30 PM, headed to to have dinner at one of the many "eateries" close to the Safety Center, and enjoying the opportunity to have an "eye ball" with other Club members. Join us on the repeater, and talk yourself in for some camaraderie and fun!

73 de NN3V (Charlie)

## Coming Events.

Mar07, Wed - Club Mtg.  
Mar10, Sat - VE Testing (C pg. 12)  
Mar14, Wed - Board Mtg. @ W9FQN

## Long AGOGO (history)

WA6KZN-K6HAV-KI6JM(sk)-W9FQN

(The purpose of AGOGO is to recall info on file in previous editions of the Scope -Ed)

(03-00)... now meeting Village Theatre in Carlsbad ..W6YOO falls ..SDCTN reduced to 3 nights/wk ..W6MNH & W6QKI sk ..movie Frequency ..FD survey ..patch data..

(03-91)... 79 heard W6YOO on DXing ..Elmer & Expert lists ..WA6IPD repeater coordinated ..WB6IQS checks new batteries ..use of patches by FCC ..callsign list of 378 members..

## Last meeting (not quite)

The February meeting was our 65th anniversary meeting and a extremely well presented program on Satellite communication by KE6RTR Ron. A grand time was had by all.

## Goodie Table

"Goodie" donations came from N6ISCPaul, KA6PSGPat, and W6SSTJim. You receive an extra activity point for your generosity.

W6SSTJim & KD6TUJDennis took care of the Goodie Table.

Join the Palomar Amateur Radio Club!  
Send: Callsign (expiration date), class license, name, address, Zip+4, e-mail, phone#, & \$12 single (\$21 family) to PARC, POB 73, Vista CA 92085-0073.

Attendance was 108 and 8 guests.

## Board Mtg. (Minutes)

David Patterson WB6DAV@Juno.com

Next meeting at W9FQN QTH

*(Club members are invited to Board meetings at Board members QTH's at 7pm on the Wednesday following the club meeting as announced herein. You receive one participation point for attending. A copy of the complete minutes are at the general meeting.)*

Board Mtg. February 14th, 2001

(will publish next month, had a computer crash of e-mail & Scope file!)

## W8VDH Thanks

Dear Editor;

I wish to thank several members of the Ham Help Net that came to my assistance, *K6ICY* and *KG6ECW*, who visited my residence and found my problem.

This is a great service to older Senior hams that are disabled.

Thank you Brant and Mike.

73's, Paul *W8VDH*

## Old Field Day?

When I was a young boy in the early 1940's I lived at the Oak Grove District Ranger Station. My father was a crew leader for the U.S. Forestry Service. At the beginning of the fire season they would have a Field Day exercise for training the new fire crew.

They would set up camp in a field near the ranger station and would attempt to make the camp look like a real fire situation. Field telephones were set up using barbed wire fences for common wire to a Base Camp and to the Ranger Station.

As I remember the portable radio equipment was big and bulky and had to be carried in a back pack, or by a shoulder strap, with the necessary batteries to operate them. The men would practice making fire breaks and trails, and they would practice using fire hoses with spray nozzles for putting out grass fires.

Back at the Ranger Station Equipment Garage there were two trucks loaded with fire-fighting equipment—one truck for a 15 man crew and the

other truck for a 50 man crew. These trucks had everything required for fighting the fire for the first few days until help could arrive if needed and additional supplies.

The trucks had hand tools of various types, emergency communication equipment of various types, telephone and radio equipment, and food and camp supplies. For the Field Day exercise they would use the smaller truck, as I remember.

The training of the crew at the Field Day exercise was to help the men hit the fire and immediately be ready for action. The trucks had enough food and supplies for several days until reinforcements could arrive if needed. My brother, who was 14 years old at the time, used to help hook up the field phones to the barbed wire fences.

After a big fire the trucks had to be restocked with supplies, food, new batteries for the flash lights and portable radios whether they were used or not on the fire—to make sure the truck was fresh and ready for the next fire. After the fire the crew would eat up the left-over rations. The food I remember the most is the Boston Baked Brown Bread in tin cans.

My father used to bring home batteries of all sizes and kinds by the washtub full. Back in those days the Forestry used all kinds and sizes of batteries for their radios. There were 1.5 volt telephone batteries, 4.5 volt batteries, 6 volt batteries, 22.5, 45, and 90 volt batteries. This is where my "love affair" with batteries started. Under the oak trees where we kids used to play, at the Old Homestead, to this day there are still piles of batteries. All through my life I have kept this love for batteries.

Once about 25 years ago I stopped at Sears and was looking at televisions, radios, and citizen band radios. I saw some gel-cell batteries being sold for operating 12 volt televisions.

I told the pretty blond sales girl how cute the batteries were. She thought I meant her and got a big, broad, shy smile and said, "Thank you very

kindly." And I responded, "Not you, the batteries." Then her face got long and sad, and I realized I put my foot in my mouth, and I had to say something. So I assured her she was very cute also. And the big, broad smile returned to her face.

I bought the batteries from her, and I still have them. They aren't good anymore, but they are still cute. But I don't have the foggiest idea where the pretty blond sales girl is these days.

Anyway, enough talk about Field Days, fires and batteries.

73'S, The Ole Country BOY, & "Would be fire fighter." Glenn, KE6ZLY

## Program Request

How many of you watched the movie "Ground Hog Day"? That is the movie where the day is lived over, and over, and over again, and the protagonist suddenly realizes that NOTHING can happen to him other than what he has already seen and experienced over and over and over again. It gets boring, but it is humorous.

Well folks, your program selections are about to become like "Ground Hog Day". I AM GETTING STALE on program ideas. If you want to see the same thing over and over and over again, leave it to my creativity to come up with material and you will soon be bored.

So I HAVE A REQUEST!

If you have an idea for a topic for the club program, how would you like to share the idea with me. I can do a lot of things to make programs come to the Club meetings, but I need some input to determine what you believe would be interesting.

So, PLEASE, PLEASE, PLEASE, get in touch with me and give me ideas for programs. You can contact me by telephone (619-686-5607), by e-mail (NN3V@amsat.org), or on the repeaters since I am usually on the PARC repeaters during the commute hour.

So help your fellow hams out by suggesting topics for the Club Programs. 73 de NN3V

# P.A.R.C. Inc (2001 Board)

**Pres:** Allen Maslowski N2DCA 858.642.2400x1229  
N2DCA@amsat.org  
**VP:** Charlie Ristorcelli NN3V 858.676.3307  
NN3V@amsat.org  
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Hkstroeml2@aol.com  
**SCOPE:** Stan Rohrer W9FQN 760.749.0276  
W9FQN@amsat.org  
**Technical:** Mike Doyle AB6QT 760.742.1573  
AB6QT@amsat.org  
**MSk:** Al Donlevy W6GNI 760.630.3096  
aldonlevy@juno.com

Board Mtg. 7:00 pm Wednesday of week following the Club meeting as announced.

## Treasurer \$\$\$

Jo Ashley  
KB6NMK@amsat.org  
See me at club meetings for "hard copies" of financial statement(s).

Location/due	12.31.00	01.31.01
CD#83-02.00.01	0.0	3,000.00
CD#44-08.19.98	2,374.93	2,387.19
CD#62-10.09.98	2,532.62	2,544.64
CD1#3-05.24.98	2,488.69	2,501.24
CD#1-08.13.99	3,020.84	3,035.19
Checking	6,792.15	4,052.00
Post Office	100.45	100.45
Cdts+CD's	17,309.68	17,620.71
Long Term Reserve	9,000	9,000
Pre-Pd.dues/liab projects/available	6,202.00	6,534.00
	2,198	2,006.71

We have \$\$ set aside for emergencies at the repeater site in case of fire or earthquake.

Possible Costs: antennas ~\$750ea; tower ~\$3k; buildings ~\$3k; batteries \$?;

Routine: Scope printing ~\$250/mo; Scope postage ~\$65/mo; electricity ~250/mo; phone ~\$50/mo = ~\$615/mo. (Insurance each Nov. ~\$1,100/year)

Under consideration: 6m repeater spare ~\$200; 449.42 repeater spare ~\$200; spare antennas ~\$700; etc = ~\$1,100.

Approved expenses not spent: ~\$100 tent trailer; = ~\$100

### Last month's Scope Helpers:

Thanks to Art and Anita for the folding space and the refreshments. Really great cookies. (the greatest!)

KB6YHZ Art	&	KB6YHY Anita
W6GNI Al		WASACE Sonny
KB6NMK Jo		W6HCD Nash
W9FQN Stan		

# H.S. A.R. Club

Mt. Carmel High School Amateur Radio Club is in need of YOUR old equipment. Consider donating your old radio equipment and antenna's to us.

It will be used by high school students at Mt Carmel High, located in Rancho Penasquitos. We need VHF and HF radio antennas, and equipment.

The club is going to operate a station on HF and VHF during school hours as more students become operators. For more info e-mail us at [kf6zpk@amsat.org](mailto:kf6zpk@amsat.org) and [hilkiah@juno.com](mailto:hilkiah@juno.com). Also our web site can be found at [transworldradio.8m.com](http://transworldradio.8m.com).

Thanks- Sam-KF6ZPK

## President's Message

Allen Maslowski N2DCA@amsat.org

Several decades ago, Amateur Radio operators slowly made a transition. Hams went from designing and building their own equipment to being appliance operators. I'm sure that there are Hams out there that would disagree that they are appliance operators but the facts show that they are. One of amateur radio's exciting facets has faded over the last twenty years or so.

The joys of building a Heathkit are long since forgotten for many. The majority of Ham operators don't build any of their own equipment. They operate a black box loaded with features that enhance their ability to pull out that elusive DX signal from the QRM. I understand that that to is exciting, but not as exciting as saying that "the rig here is homebrew," and still being able to get that elusive DX signal out of the QRM.

There are some Hams in our community that do design and build their own equipment, and they exist right in our own club. For those Hams, they are experiencing the full Amateur Radio experience, as did our founding fathers of our hobby. They are reliv-

ing the excitement and feeling of accomplishment that can only be gotten from the true amateur radio experience of the past; building and using your own home build equipment.

In the present day, it doesn't take much effort to design and build your own radios.

The Internet is loaded with ideas and circuits that could be built with parts available at the local parts store. This is unlike the old-timer home brewer that had to scrounge for all the parts to build his radio.

Hunting for those parts are half the fun. There are a large number of small kits available that could be bought and modified to your liking and design criteria if you chose not to start from scratch. For most of us, this is the way to go. With the way our lives are today, filled with work and family and responsibilities, our time is precious. Little of that time is available for our hobby.

Buying and operating that black box is the easy way out. Look into building some easy kit or that handbook circuit that sparked your interest. It's easier than you think to build and operate your own radios and equipment accessories. Remember, sometimes you can do a lot with very little and be joyfully rewarded. N2DCA, Allen

## Club Membership

Al Donlevy W6GNI [aldonlevy@juno.com](mailto:aldonlevy@juno.com)

Orders for the blue badges are taken at the membership table each meeting night, hats are also available there.

73 and Thank you. Al

## Animal Shelter

Hi, Stan: Here is more information to supplement my e-mail of yesterday for the next SCOPE about the disaster at the Humane Society: Individual and corporate donations are needed to treat the animals and raise money to rebuild the Escondido Humane Society. Donations should be sent to: Palomar Community Bank, P.O.Box 3499, Escondido, CA 92033. Checks should be

made out to Escondido Humane Society. Building supplies and services are also needed. Acacia Animal Hospital in Escondido is treating some of the most critically injured animals. They are also accepting monetary donations. Call (760)745-8115.

The total destruction of the Escondido Humane Society by fire Jan 20 has saddened everyone who got the news.

Over 100 dogs and cats met a horrible fate in the fire that was discovered too late to save even a small part of the 25-year old building. Escondido firemen risked their lives to free 84 dogs and three cats by breaking them out of their cages with wire cutters. The reason only three cats survived is that the room they were in was destroyed by the collapse of a heavy air conditioning unit in the attic. 38 of the saved dogs were very painfully injured by drippings of burning tar from above their cages and by smoke inhalation. Dr Gallerstein of the Acacia Animal Hospital in Escondido treated them all free of charge, and all but three have now been released or adopted.

To rebuild the shelter will cost \$3.5 to five million dollars. The community response has been overwhelming. Including small contributions from children who emptied their piggy banks, we have collected almost a million which is not anywhere near the amount needed. As an old man in retirement, I was only able to give them \$1000 out of my January Social Security check - a drop in the bucket - but the proverbial single step to start any long journey. My hope is that the Palomar Amateur Radio Club has some animal lovers who want to help, too. Most of us hams aren't rich, but many of us love animals, and we need all the help we can get. May you all meet your pets some day at the "Rainbow Bridge".  
Charles, N6TEP

## Field Day Prep.

Hi All. Yep, Field Day (FD) is headed our way! Those of you who are interested in the minutiae of FD can find a wealth of information about this "most

popular" ham radio event, as well as the specific rules for FD 2001, at the ARRL website <http://www.arrl.org>

Let me emphasize some of our local practices. The #1 objective of the PARC FD is to practice emergency communications set-up. And ABOVE ALL, TO HAVE FUN.

FD will take place this year the 23 - 24 June, 2001. Many of us will congregate at the FD site on Friday June 22nd. to start setting up. We will set up antennas and operating stations, and some of us will spend the night at the site, enjoying the opportunity to camp outdoors.

On Saturday, 23 June, we will finish set-up, and start operating at 11:00 AM sharp! for 24 hours. Sunday at 11:00 AM we will take the site down (and believe me, we NEED HELP TO TAKE THE SITE DOWN AFTER 24 HOURS OF NO SLEEP).

We began preparations for FD 2001 on Sunday February 18th. An eager crew did the first inventory of antennas and antenna control systems, and started planning work events to have all things ready to go for FD. And I am personally VERY PLEASED TO SEE SOME NEW FACES AMONG THE VOLUNTEERS WHO WORKED THE SITE ON FEBRUARY 18th.

I anticipate we will have one work day a month each month through June. Those are opportunities to get your hands "dirty" on ham gear you may not have worked with before, and also an opportunity to earn points towards raffle tickets for the Club Picnic in August.

Remember, if you are new to the hobby, FD is the best time to get to work ALL BANDS, ALL MODES. The "experienced operators" will be running the stations, and we need operators to help run 24 hours worth of operating time.

If you want to participate in the FD planning, there is a FD planning net held every Wednesday evening at 8:00 PM on the 146.730 repeater. It is a good time to ask questions about FD, and learn about an amateur activity that some of us have been privileged to enjoy for many, many years!

And, before I forget, let me remind everyone that on Saturday June 23rd, starting at 5:00 PM, we will have our FD PICNIC at the FD site.

Those of you who are REALLY SHY about operating, or who are otherwise busy with many things to do on a weekend, are invited to come up to the FD site and enjoy the POT LUCK PICNIC. YOU DO NOT NEED TO BE OPERATING A FD STATION TO ENJOY THE PICNIC. PARC puts on the basics of a picnic (hamburgers, hot dogs, and beverages), and the rest are invited to bring a pot luck dish to share with the crowd. It is also a great time to bring guests (children, "ham wannabees", and family) to see the FD operation and learn a bit about the emergency communications preparations that result from FD practice. We will also have demonstrations of unique communications capabilities, as these events help us earn points for FD.

And, at midnight June 23rd. we will once again enjoy the world famous PARC FD CHILI COOK OFF. You will be amazed at the fantastic pleasure to derive from a midnight dinner, under the stars, enjoying the best chili this side of the Mississippi, served with pleasure at the PARC FD ROAD KILL CAFE!

So mark your calendar to come out, operate, and enjoy FD. (You do not need to be operating at FD to come and enjoy the picnic. This is a family affair, and an opportunity to see some amazing, live, ham radio demonstrations).  
73 de NN3V

## Earthquake Site

CGC #400 reported on how you can sign up for automated e-mail reports on major earthquakes in our area. Now, when a major quake strikes, members of the general public are invited to write the USGS and post their 'perceived intensity' reports to a public bulletin board.

See where the quakes are felt by visiting:

<http://pasadena.wr.usgs.gov/shake/ca/>

Click, for example, on one of the recent Big Bear earthquakes and receive

# EDATRON

(<http://www.dtwe.com>)

We design, manufacture, sell and support HF/VHF professional and tactical radios and systems worldwide. We presently have two immediate openings as follows: Field Technical Representative 1, Job # 0032

**Duties:** Under general supervision, provides support to the Technical Support Services Group (TSSG) by performing various technical duties. Some duties include: providing technical support to customers; conducting operator, intermediate or depot-level training courses on company products and systems; conducting product demonstrations or field trials and support product installation; preparing demonstration orders and maintaining inventory; extensive international/domestic travel.

**Requirements:** Candidate must possess excellent verbal and written communication skills. Able to read and interpret technical schematic diagrams. Able to train electronic technicians to component level. Skilled in the use of standard bench test equipment. Be able to work in a team and independently. Be able to communicate in a professional demeanor with all levels of personnel. Exercise independent judgment in performance of job duties, and seek approval when deviation from established procedures and guidelines are required. Minimum AA Degree or 3-4 years experience in a related industry. Able to travel internationally/domestically (passport required). Must possess a valid driver's license. Second language is desirable; not required.

Please forward your resume as follows: Via email to [hr@dtwe.com](mailto:hr@dtwe.com)  
Via fax to: (760) 597-3710

EOE

a map of perceived intensity for surrounding areas. Then click on 'statistics' where the public's reports are sorted by community.

## Real Time Power

According to local news accounts,

the California Independent System Operator ("Cal-ISO" or "Caiso") controls about 75% of our state's electric power generation. See California's power consumption in real time by visiting the following Web site:

<http://www.caiso.com/SystemStatus.html>

With a frigid Alaskan cold front

headed our way, grid operators are warning that power supplies will drop to dangerously low levels from Seattle to San Diego this week.

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Study the chart to find out the hours when power conservation will be needed to reduce peak demand. We are about to find out just how interconnected the Western grid really is.

## QSL Manager

The new PARC QSL Card manager is: Merle Risdon KR6BT@Juno.com. At present the club does not have any type of file to keep cards in from Field Day contacts.

## 136 KHz

(Based on a note from Tom Chester)

Hams on both sides of the Atlantic have set a new one-way distance record on 136 KHz using ultra-slow CW and a 2 Hz bandwidth. Extremely slow dashes sent by M0BMU were identified by W4DEX in North Carolina at a distance of more than 6,300 km. This was the first time a European LF station had been received in the US. The following night, W4DEX copied a complete call-sign from G3AQC. Using dot lengths of 60 seconds, the call took an hour to send!

(Amateur Radio Newline #1227 as reported in

# HAM

# RADIO

# OUTLET

H  
R  
O

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

**KENWOOD**  
**of CONCEPTS**  
**DIAMOND**  
**US TOWERS**  
**KANTRONICS**  
**YAESU**  
**MFJ, ICOM**  
**BENCHER, Inc.**  
**HUSTLER**  
**COMET**  
**AMERITRON**

**Astron,**  
**AEA,**  
**OUTBACKER**  
**Larsen Antennas**  
**TEN-TEC**  
**hy-gain, Tri-EX,**  
**cashcraft**  
**and**  
**others too**  
**numerous to**  
**mention!**

Drop in to see our display of working equipment.  
Find out about Pkt location determining equipment (APRS).  
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: 10a.m. - 5:30p.m. *Ask about our great prices*  
**Monday thru Saturday**  
**858 560-4900 or toll free 1-800-854-6046**  
**5375 Kearny Villa Rd, S. D.**

**Directions:** On 163, take **Chairemont Mess Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and HRO sign. Be sure to see our equipment in action on real antennas.

## QSL Cards (digital)

Hello, my name is Michael Paris (KA9TND). I have been searching the web today looking at ham radio and ham radio club web pages. This is how I found you, I clicked on your e-mail link to send this message :)

The reason for this message is to make you aware of a new service for Amateur Radio Operators; a virtual QSL card service.

<http://www.vqsl.net>

There is NEVER a charge for ANY service on VQSL! It is simply our way of giving something back to ham radio. This service is totally free and no money is ever solicited for any of the online services found there.

VQSL was designed to help the QSL effort when friends and I myself saw some outrageous prices on postage for some far away DX contacts.

VQSL Offers the Following Services Free To Any Amateur Radio Operator.

- \* Create & Send High Quality QSL Cards POSTAGE FREE
- \* Submit Pictures For Personalized Cards
- \* Online DX Chat Rooms designed for making radio contact
- \* Free Web Hosting
- \* Free E-mail Account
- \* Lookup DX Contact E-mail Addresses
- \* CQ Contests - Win NICE Prizes (the contest for March will be a new 2 meter hand held radio)

It would be GREATLY APPRECIATED if you could help us in any of the following ways.

Tell your friends and CQ contacts about VQSL. Have someone read parts of this message at your next meeting. Have someone copy parts of this message and provide it as a handout.

<http://www.vqsl.net> on your web page.

Put a small blurb about VQSL and our address in your next newsletter.

Note: If you know any blind radio operators be sure to tell them that we designed the site with them in mind. We have a large group of blind users that

enjoy surfing through our easy to use, blind friendly menu system.

VQSL is easy for anyone to use and offered to those that want to have fun, and also save on postage and send a high quality QSL card that can be printed and added to their collection right away. (most times the same day)

On VQSL there is a growing selection of picture categories and different formats that allow the operator to create a quality online QSL card within minutes. Then with one click of a button, the VQSL card is e-mailed and reaches the DX contact within seconds. (if the e-mail address is unknown it will remain on the site for your contact later) (personal pictures can also be used to give your card a more personal touch)

Full instructions are given on how to design and setup your first web page, how to find e-mail addresses of your DX contacts and how to design Virtual QSL cards. Technical support is also offered.

If you have any questions please feel free to contact me directly ([ka9tnd@vqsl.net](mailto:ka9tnd@vqsl.net)) Also feel free to visit <http://vqsl.net>

Thank you for your time,  
73's — Michael KA9TND

P.S. You might also want to make your members aware that online QSL cards are not official with some groups without being sent through the snail mail system, (contest credit) but a great way to have fun, take a load off sorting and save a few bucks at the same time.

## Special Olympics

David Doan [KC6YSO@amsat.org](mailto:KC6YSO@amsat.org)

On March 31 and April 1, ARES will be providing communications for the Special Olympics Basketball Tournament. This event is held at the University of San Diego, and surrounding school and recreation sites. This is the only regularly scheduled ARES event which utilizes portable packet. Packet is used to transmit game scores to the central scoreboard. Voice communications are virtually useless because of the high noise level in the basketball courts. If you have never visited the Special Olympics, your are missing a lot of fun.

And this event gives you a chance to get out in the field with your portable packet.

If you are interested in participating please contact:

David Doan  
4374 Logrono Dr.  
San Diego, CA 92115  
619-286-4888  
[kc6yso@amsat.org](mailto:kc6yso@amsat.org)  
[kc6yso@wb6dgr](mailto:kc6yso@wb6dgr)

## 50 Mile Run

David Doan [KC6YSO@amsat.org](mailto:KC6YSO@amsat.org)

On March 10, ARES will be providing communications for the Smuggler's 50 Mile Run. This is a foot race over a course which is basically from Lake Morena to the Mexican Border and back. Because of the roughness of the terrain, ARES will be using Near Vertical Incidence Skywave communication (NVIS) on 80 meters (and possibly 40 meters). This mode provides rather even coverage over a range of a few hundred miles, and is particularly useful for working out of canyons, since the propagation is nearly straight up.

If you are interested in participating please contact: Walter D. Davis, WA6ODQ, PO Box 36, Ramona, CA 92065-0036, 760-789-7954, [wa6odq@arri.net](mailto:wa6odq@arri.net)

## HAM Family

We recently received a "Family Renewal", and what a great family membership for Palomar Amateur Radio Club. When updating the member database, it was cheerfully observed that the family has the following calls: KE6TCR, KE6TCS, KE6TCT, and KE6TCU (R S T U). One can speculate that this family took their exams together, and passed the test together. Congratulations to all.

The Calls belong to Theresa, Michael, James, and James (KE6TC-R-S-T-U).

Of particular note to your Membership person, my Elmer 50 years ago was W6TCU (sk).  
Al, W6GNI (membership chairman)



# For Sail

(02.19)Drake MN-4 300 Watt Antenna Tuner \$95; Alpha Delta DXCC 80-10m shortened dipole \$40; Astron RS4A P/S \$20; Herb - KO6Z - 760-736-4095

(02.18)Ham radio station (complete) w/Yaesu FT-1000D with antennas \$4,500; (best offer for following) MDIC8 Yaesu mic; Alinco DR1200T data radio; Packratt PK-232MRX data controller; Time Wave digital noise filter; MFJ-422BX Bencher paddle keyer; Bencher Iambic paddle, MFJ Versa Tuner 989C 300w; Tektronic 454 oscilloscope with probe; 12v Micronta Reg 12v P/S; Eico DC Reg 0-30v P/S; Astron 12v P/S RS20A; pkt cluster guide: Erwin AB5XE 909-301-8823.

(02.07)Kenwood TS-440S HF xcvr; Astron RS20 A pwr; MFJ-949E ant tuner; Mike & manuals \$700; Oliver W6UAL 940-4274 Vista.

(02.07)1kw in dual Bud cabinet 5'9x41" panel space 2(61"x19"), 4-plug-in coils 80, 40, 20,10, variable & fixed caps,

**Personal equipment ads** are free to members and could be "bumped" after 3 mo. Make up your ad like the ones below and send to Editor, W9FQN, 30311 Cir. R Ln, Vly. Ctr. CA 92082. (W9FQN@Juno.com) before the 20th of each month.

**Commercial Ads** in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. W9FQN@Juno.com

uses 2 Eimac 4-250's, switch class C or linear B, separate supplies screen, neg bias, control panel variac, push start, run a & off, breaker on hi-volt supply, indicator lights, pwr/VSWR URA27 panel, HV pwr supply 4000v @ 0.5A (variac ctrl); other side of rack class B modulator 600 watts, pr 810's drv pr 6B4's with 5u4 supply & VR75 reg, separate hi-volt supply 4,000v @ 0.5A, 37"x19" open space available: WB6BKR John 858-454-4833 gehmansrl@juno.com **WOW!**

(02.02)Alinco DJ-195 2m HT \$125, EOX Ant. Tuner \$100, DX-77 HF Xcvr 100w \$475 and Astro Pwr supply 13.8v VS-35M w/meters \$100: C.L. Ball N6HLY 619-246-3687.

(01-20)small Boys 6 Speed Bike Excellent condition! \$50 firm: AB6QT 760-742-1573 after 5pm.

(12.14)Heath VTVM w/RF probe/manual \$35; Hustler mobile ant 10/20/40 coils w/base \$50; KW SWR(separate sensor/meter) \$25; Selection heavy duty switches, coils & var. condensers for KW project; MAC Performa 630CD w/monitor, 56 modem, printer, scanner, lots of software/handbooks offer?; 2 ANTIQUES for bids (Circa 1925 Magnavox audio Fq. Amp. Type AC3, Mod. C, No.2236 using 3 type 01-A push-twist tubes, external 'A' & 'B' batteries; Circa 1933 Heintz/Kaufman Ltd San Francisco Radio receiver regenerative type 900 # 113, 3800-23000kc, US Patents 1,507689-1,907,806 \$400+); Larry W6LCT Vista 760.724.9996 B4 5pm or 7-9pm daily.

(12.13)Radio Shack less than 1mr old

10m HTX-10 mobile all mode \$75: KF6VHA 760-310-6642.

(12.11)Mint Yaesu FT-690

MKII, w/spare speaker-mike & battery case \$300, Includes box & paperwork: Peter VE7 CQA (858) 942-5502

(12.10)Heathkit SB-104 w/remote VFO & Pwr supply, buyer to make tax deductible donation to private school: Rick KB6GZ 858-566-4016.

(12.10)Siltronix 1011B Transceiver \$150; Palomar Messenger 2V Linear \$50; Siltronix PM-15 /w Spec. Watt meter \$40; Realistic CB Base W/SSB TRC-457 \$100; Big Stick Antenna \$35; 2 meter Ringo Ranger antenna \$50; NO RESONABLE OFFER REFUSED. For more information call Dave @ (760) 7275560, E-mail wb6dav@juno.com This gear is from an estate sale and all is believed in good working condition in San Marcos.

(11.10)Kenwood ant tuner (AT230); remote VFO 230, transceiver TS 530S & mic MC 35S, Mint cond \$600: KF6HHE Richard (760) 598-8289.

(11.10)I-COM 7351 w/pwr supply, MFJ deluxe tuner II, I-COM SM5 mike, MFJ electronic paddle \$700: KF6HHE Richard (760) 598-8289.

(9-19)N6OLE Home made Grid Dip Meter with docs, must see to appreciate this work of art(Best Offer); Sears ROAD-TALKER40 SSB XCVR \$50; military throat mic + headphones BO; Precision "Steel Six" lab mtrs. \$5 ea; Proximator I vehicle det. \$2; Olson CB067 Swr Mtr. \$3; Keithly Auto R. Mtr. \$15; Motion Det. Solfan 5240 \$5; 25v.3A Reg. Pwr Sup \$20; Sabetronics Freq. Cntr mod. 8110A \$20; Healthdyne Lab digital thermometer mod. 2000 \$5; call AB6QT at 760-742-1573 after 5pm.

(9.1)2m packet station, PK-12 controller, Kenwood 2m 7950 xcvr, cable assys

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1.511

## PALOMAR ENGINEERS

Box 462222, Escondido, CA 92046

### TOROID CORES

Palomar stocks a wide variety of cores and beads. Our RFI Tip Sheet is free on request. Our RFI kit keeps RF out of your telephones, TVs, stereo, etc. Model RFI-4 \$25 + tax + \$6 to ship.

### BALUN KITS

Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160 m).

Model BA-58 (for RG58, RGEX & similar cables up to 1/4" dia. \$7.50 + tax + \$6 S&H/order

Model BA-8 (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

### TUNER-TUNER

Tune your tuner without transmitting. Save that rig! Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You have a 1:1 SWR.

Model FT-340 \$99.95 + tax + \$6 S&H

See catalog at www.Palomar-Engineers.com Please check our complete ads in QST, 73, CQ, and World Radio magazines.

## Reaching Amateur Radio Operators for Christ

Reaching Amateur Radio Operators for Christ meets each Sunday at 7:00p.m. on 147.270. All HAM operators are welcome to drop in and share scripture or just listen. KF6VHA

Jeff N6FRW

Grace N6WPA

## The NiCd Lady Company

O.E.M. Assembly  
Rebuilds  
Batteries-Lead Acids  
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20585 Camino Del Sol Unit B (909)653-8868  
Riverside, CA 92508 Fax (909)653-5189

www.nicdlady.com e-mail: nicdlady@nicdlady.com

& manuals, computer software & disks \$150; all units working & all reasonable offers considered: Al N6GNB Ulrich525 @aol.com 760-741-1840 Esc.

**WANTED:** (A few good men/women) ☒

(02.25)Wanted: C.W. keyboard for ham xcvrs: Paul 760-726-5007 Vista.

(01.20)Wanted: Reasonably priced HF rig (WARC bands) w/pwr supply mic & manuals. Ant. tuner desired: Ted K6BPP 760-471-2558 San Marcos.

(01.18)Wanted: help in re-programming Motorola Radius P110 UHF radio (4 simplex channels around 467 MHz.): Peter VE7 CQA (858) 942-5502

(01.09)Wanted: 13.8v 20amp P.S. & 80-10m HF vertical. Offering fair price for used equipment: jacox@home.com

(12.15) Wanted: I'm looking for copies of a series of articles that appeared in some old issues of QEX. Specifically: "Signals, Samples, and Stuff", March through August 1998 issues of QEX. If anyone has these, please send an email to: Vito at -vbica@clea.qualcomm.com

(11.23)Wanted: Kenwood TS-430s with PS-430 power supply: sstires@prodigy.net phone: Sonny (760)724-0049)

(10.2)Wanted: Kenwood TR-2500 alkaline battery case: Dennis K7DCG 858-748-9046 or K7DCG@arrl.net.

(8.10) Want pwr and audio output transformer (pairs) from only vacuum tube stereos, old speakers, stereo tuners/amps working or not from '50s-70s, will pickup & pay cash: John ac6ts@amsat.org or 760-747-9431.

**Grab Bag at Mtgs.**

At the next club meeting W9FQN Stan will have some more of the club's buckets of valuable junk at a table near the right wall (at least it is not the wrong wall:) small parts, radio books, magazines, HT belt holders, etc. Some items are priced 4/\$1 and other buckets 2/\$1.

**Nissan/Datsun**

Anyone interested in some Nissan-Datsun pick-up repair books, see W9FQN Stan (W9FQN@Juno.com or 760-749-0276). He has books from 1970-84 by Chilton and also Haynes.

**Wanted**

Disabled Romanian Ham needs replacement Power and SWR meters for a Yaesu FL-2100B Linear. Any help will be appreciated. Mark KD6TB (858)485-0513.

I also have a 30 year accumulation of QST and miscellaneous magazines that I need to 'place in a good home'. If you know of anyone who would like them or if the PARC could use them I would be happy to donate them.

Keep up the great work on the Scope. It is always a pleasure to receive it and read through its pages. Thanks. 73, Mark, KD6TB

**Harbor Freight**

While Harbor Freight is known as a "tool paradise" there are items of interest to amateurs at reduced prices from time to time:

Digital Tester	\$4.99	30756
Solar Charger	\$9.99	35695
Battery/Chg tester	\$19.97	6317
Alum.case	\$14.99	35777
Analog Clamp Meter	\$12.97	40994

These sale prices are periodic so if you don't receive one of their fliers, you need to visit their stores from time to time to see what their sale prices are.

The aluminum case would be good for portable test equipment or for a portable radio setup. And, of course, it is difficult getting out of the place without buying some sort of tool that you just have to have!

There are stores in Escondido, Chula Vista, and El Cajon.

**E-mail**

From Dee In Larvik, Norway- Happy Birthday to the Palomar Club on its' 65th birthday. Did the club finally figure out when my husband Don Crumpton was one of it's officers back in the 1960's?

We are having a blizzard here and yesterday the temp was -17C, today it was a milder -13C. Take care, Dee N6ELP/LA0HE

**Committee Chairmen**

(appointed to serve Sept '99)

ARESinfo	-Dennis S	K7DCG@amsat.org
Attendance	-Stan R	W9FQN@amsat.org
ATV	-Billis KB6MCU	W6GIC@amsat.org
Auction	-Ted W	KD6BFI@amsat.org
Badges	new -Al	W6GNI@amsat.org
	old -John T	W6OLQ@amsat.org
Batteries	-David KD6EY DAT	@Gerry.Palomar.caltech.edu
BBSMonitor	-Bill B	N6FMK@amsat.org
Billing: Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul KF6VIE	pdecicco@pondlaw.com
	& -Ron RWA9JCL	r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
Control Ops	-filled	W6NWG@amsat.org
D.Mar Fair	-Barbara R KA6FPS	Tennis42@Juno.com
Emergency QTH's (Emergency Com. Centers)		
	HarryH -W6YOO	W6YOO@amsat.org
	DennisV -N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3JV@ARRL.net
FDTech	-John K	WB6IQS@Juno.com
Historian	-Stan R	W9FQN@Juno.com
Interference	-Billis KB6MCU	W6GIC@amsat.org
Inventory	-Dennis B	dennisKD6TUJ@juno.com
MtgGoodies	-Jim E	Whisky6SST@juno.com
Membership	-Al W6GNI	aldoalevy@juno.com
Nets	-Stan R	W9FQN@Juno.com
Newsletter	-Stan R	W9FQN@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-Stan R	W9FQN@Juno.com
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Marsh P	W6SAX@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Charlie R	NN3JV@ARRL.net
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-W6HCD NashWilliams@CompuServe.com	
Rptr Site	-Stan R	W9FQN@Juno.com
Rptr Skeds	-Stan R	W9FQN@Juno.com
SANDARC	-Sybil A	W6GIC@amsat.org
	-Bill S KB6MCU	W6GIC@amsat.org
SellerTable	-John K	WB6IQS@Juno.com
AntSWDivDir	-Walt	WA6ODQ@arrl.net
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M, DuncDancer@worldnet.att.net	
Training		W6NWG@amsat.org
TrusteeW6NWG	-Mike D	AB6QT@amsat.org
Web Site	-Frank L	KE6W0E@amsat.org

**(Net Managers)** (see pg.12)

ARES Sun	-Stan R	W9FQN@amsat.org
Staff Net	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-Mike D	AB6QT@amsat.org
	-David D	KC6YSO@amsat.org
Hkldng	-Ed	KF6DXX@Juno.com
	-Glenn P KE6ZLY	KE6ZLY@Juno.com
MARA	-Cathy KE6IQU	W6NWG@amsat.org
Microwave	-Kerry B	N6IZW@qualcomm.com
Off Road	-Jerry A	jwal6pfp@cts.com
	-Dick W KA7AYT	rwillmck@home.com
Sailors	-Larry D	W6QCA@amsat.org
Traffic(SDCTN)	-Charles N6TEP	cmiele@juno.com

**Names** in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to W6NWG@amsat.org or P. O. Box 73, Vista, CA 92085-0073.

## Repeater Status 02.24.01

146.730+ : Normal, mixing noise?  
147.075- : Normal, no problems  
147.130- : Normal, no problems  
447.000- : No DC when on emg pwr  
52.680 : Normal, no problems?  
146.700- : Packet Repeater Normal  
145.050s : Packet Digi Normal  
PALBBS : Bulletin Board Normal  
AutoPatch: Normal, no problems  
ATV : No observed problems(?)

## Work Parties *(trabajo)*

*(General workparties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)*

**Next general workparty:** there are no scheduled repeater site work parties until further notice because of unfavorable weather.

## FD Workparty *2.18.01*

The pre-Field Day group sorted antennas, rotators, control boxes, etc. and marked them for future use. Many thanks to the following for a good work party:

Tom KG6ETH; Scott KG6EQV;  
John WB6IQS; Mark KE6WTN;  
Dennis KD6TVJ; Bob KC6VDX;  
Thomas KF6YVQ; Dennis N6KI;  
Orlando N6QVW; Charlie NN3V and  
Stan W9FQN.

Stan and John also installed electrical connections for the cargo container and started the installation of the fluorescent fixtures... and then there was light!

## Cigarette Plug *(a plug)*

Stan Rohrer W9FQN@Juno.com

Many hams who have mobile rigs get their 12VDC from their car's cigarette plug on the dash which makes for a rather messy looking installation but it is quick and dirty.

While it is best to have a direct fused line from the car battery to the rig, sometimes it is not quite worth the effort or practical.

A slightly better way of doing it than using the cigarette lighter is to go to the

## Technical, autopatch, repeaters, etc: AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)

pg.9  
-33-  
1,513

car's fuse block which is generally up under the dash and tap off one of the many fuses for the 12VDC.

This can be done rather easily using one of the commercial taps which fit over one leg of the fuse -

MFT-K Mini-Fusetapper kit  
270-1218 Mini-Blade Fuse-Block Tap  
270-1204 Blade Fuse Taps

The first tapper can be bought at Kragen or Pep Boys and contains the taps plus slip-on terminals.

The next two are Radio Shack and I like the 1218's the best although both types require that you buy a package of slip-on terminals to slide over these taps.

These 12VDC connections then require the addition of a ground connection for the negative wire which can easily be picked up from the nearest grounded screw connection.

Sometimes the fuse blocks have "empty" fuse slots which can be used for making 12VDC connection and I usually use a blown fuse and put the tap on the "hot" side.

Recently I ran into a situation where there were open fuse slots in the fuse block but the regular fuses would not fit

so I cut a blown fuse in half, inserted the adapter over the half fuse, and installed it in the hot side (12VDC) of the socket.

I will try to have examples of these connections at the next club meeting for anyone wanted to see them up close. There are excellent instructions on the back of each of these packages.

You generally are limited to about 10A of current for your rig using this method. Of course, the best method probably is running a special fused line directly from the battery to your rig.

## Cargo Container

The PARC Cargo Container, located at the club's Field Day Site, is 40 feet long and really quite dark once you get inside and start working in the back or start looking inside boxes and storage containers.

WB6IQS John, has started the project of bringing light to the club's storage items. He bought several neat \$9 electrical outside boxes. One for the Cargo Container and the other for the club's emergency trailer.

The outside Cargo Container box

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was installed by **W9FQN** Stan while John started the installation of the 8' long fluorescent light fixtures inside the container. So far he has mounted three with several more planned.

### Lost E-mail Addr.

The following individuals are no longer on our autopatch e-mail address list because we are getting "dropped" or changed addresses notices -

- KF6QBS, KA6PSG, KF6BFI,**
- KF6ZXA, KB6YHZ, KE6MEE,**
- KG6BOP, N6GY, KD6SPB,**
- KS6VIE, WA6TIL, WB6NFK,**
- KF6SMB, KF6LWR.**

Please note that some of you might have sent me notice of an e-mail change to **W9FQN@Juno.com** and while those addresses were updated in that account, they never made it over to the autopatch account of **W9FQN1@Juno.com** (note the "one" after FQN).

### Request

**Dollah, 9W2HM**  
30 Taiping Garden South  
Kamunting Road, 34000 Taiping  
Perak, Malaysia, Feb, 22, 2001  
Palomar Amateur Radio Club,  
W6NWG, San Diego, California.

Hello, First of all CONGRATULATIONS AND GOOD WISHES to all members of Palomar Amateur Radio Club for 65th anniversary of their club.

I am a transmitting HAM radio member in Malaysia. I have an intention to visit California, United States and also want to visit your club and have an eyeball QSO the club members in your area.

My callsign in Malaysia is **9W2HM** and the handle is **Dollah**, my QTH is Taiping, Perak Malaysia.

I also want to know when your club is organizing the **HAMFEST** at your place.

Thank you. '73 de **9W2HM - Dollah**  
Taiping, Perak, Malaysia.

**hidayah88@maxis.net.my**  
(I have replied via e-mail to Dollah concerning our club meeting times and local hamfests -Ed)

### Self Oscillating

A letter from Gary Hendrickson of the FCC indicates that Winegard Company will not only replace any of their self-oscillating TV preamplifiers that are found (CGC #400 & 401), but that the company has also taken a pro-active stance to search out defective units in the field. Sec:

<http://www.bext.com/egc/>  
Click on 'Additional Postings'  
Click on 'SELF-OSCILLATING TV PREAMPS - UPDATE'

Gary adds that Winegard has been extremely cooperative, and that Winegard is "eager to help get all of the defective units out of circulation. He continues by saying that, "We very much appreciate their efforts to retrieve as many oscillating TV antenna preamps as can be found."

*(from W6VR Bob's CGC newsletter. In the past the club has had problems with some of the Radio Shack's TV pre-amps. They sometimes put out very strong signals in the amateur bands. One was found in Escondido and another in San Marcos -Ed)*

### Patch Control

Over the years the club has attempted to generate as many backup systems as they can for their operations at the repeater site and at remote locations.

The club's 80 foot tower at the repeater site has a "backup" 70ft tower in Valley Center.

PARC's Tech's have been trying to get backup repeaters for each of the repeaters we have at the repeater site.

The autopatch at the repeater site has "backup" plug-in cards for much of its electronics. Each of the autopatch links has backup transmitters and receivers.

**WB6FMT** Jerry, who has put most of the present autopatch together with help from some of the other Techs has now finished a second autopatch computer controller electronics box which is in the process of being tested "off line" and checked against the present electronics which appears to be working perfectly.

Since the electronics in this second

box is slightly different (you will not notice the difference) **W9FQN** Stan Rohrer has had to rework the 12 page computer program to take care of the new electronics but fortunately it took only and additional 12 lines of code to take care of the new electronics.

For those of you on our Patch e-mail list, we will send you information on when we put it "on line."

### BANG BANG

The obvious method to me of sending Morse code using impulse signals is to:

- use one impulse for dot
- use 3 impulses for dash
- thereby keeping the approximate 3 to 1 ratio of Morse. The character and word 'off times' would be built around the impulse rate. A Farnsworth method (exaggerated space between chars and words) should be used for clarity.

The system suggesting two rapid for dot and two slow taps for dash doesn't track the signal concept of Morse like the 1 vs. 3 impulse method does.

Graphically I like to use lower case letter oh for dot and equal sign for dash. Both can be used as windows filename chars.

In the following the ' \* ' represents an impulse (of sound, light, temperature, mirror flashes, tactile, etc). It even looks like Morse when represented graphically...

```

*** ** * * * * * * * *
* *** **
* *** ** * * * * * * *
* * *** * *

```

P.S. just read an interesting novel about crypto in present day and WWII.

While the present day, good-guy's monitor is under RF surveillance he uses Morse code to control computer while appearing to be scanning text files... input is based on keyboard 'key' that causes a line advance while output is from keyboard led (like capslock).

The real program (i.e. what Morse code is controlling) is running concurrently with the word processor he is using as a blind. **WA6TIL** PC

## IR Detectors

There will be free IR detectors from **VE7CQAPeterShintani** at the March meeting. I forgot to bring them to the last meeting for those who were asking for them. Check with **W9FQNStan Rohrer**.

## RF Modulator(s)

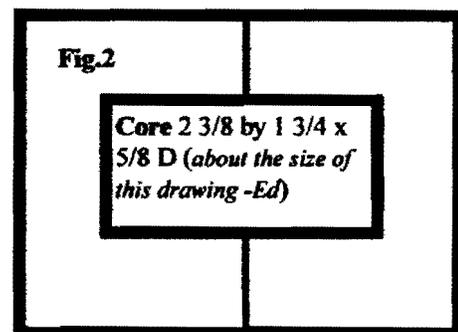
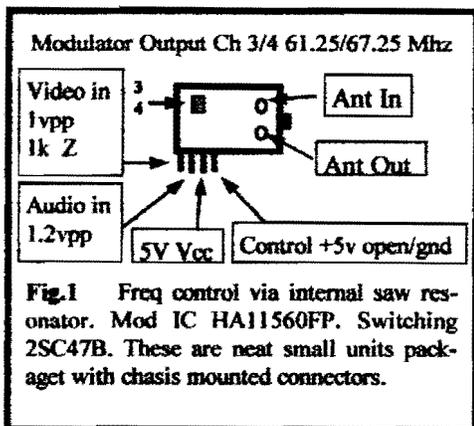
**VE7CQAPeterShintani** has some more goodies for free. This is an RF modulator with switched output on channel 3 or 4. (See Fig.1 -Ed) He has a whole box of them. See **W9FQNStan** at meetings for units.

In response to your editor's questions to Peter, he wrote -

Stan: The frequency range for terrestrial TV broadcast is 54 to 806 MHz. So the Antenna switch is designed to pass signals between 54 and 806 MHz with out much degradation.

Example, put in channel 2(54MHz) and outcomes channel 2 or put in channel 83 and out comes channel 83. It is only an antenna switch that can switch the output from either the input terminal or from the output of the video modulator.

I thought if someone wanted to do



ATV, this modulator output would be on channel 2 or 3 and then it would be easy to frequency shift it up to ATV frequencies. Peter

## Cores

**VE7CQAPeterShintani** has also come up with a number of snap-together cores which might be good to make various kinds of filters. If anyone has any test equipment that can check these out for us, it would be greatly appreciated. See **W9FQNStan** and the next meeting. (see Fig.2 -Ed)

## Jabra

**Stan Rohrer** **W9FQN@Juno.com**

Jabra is the trademark of items that my daughter, Linda, **N6YZZ**, is selling throughout the Spanish speaking countries to the South of the United States.

It is unfortunate that Jabra has not explored the selling of a modified unit for amateur radio use.

The item is a small speaker that is inserted in one's ear ..but it does not end there. The unit also includes a microphone in the ear insert so that the user can hear and speak without holding the cell phone in their hands.

The cell phone is usually placed on the dash in a holder or some convenient spot where there is good cell phone coverage from the car.

I have talked to Linda many times as she drives home from work with perfect communications while she has both hands on the wheel of her car.

You can examine one of Jabra's several cell phone modules in any Radio Shack store or if you use my e-mail address above, I can e-mail you a picture of the unit or check out [www.jabra.com](http://www.jabra.com).

Unfortunately, at this time, there is no amateur radio adaptation of this model.

## Donation(s)

Many thanks to **AB5XE Ocsd**. for the donation oa a 14' standup pipe, 2m beam, R-7 Vertical, and loop (motor driven) HF antenna. These items should come in hand on Field Day.

## Contests

Harry	<b>W6YOO@amsat.org</b>
Mar 3	ARRL DX Contest, SSB
Mar 10	World Wide Locator Contest
Mar 10	RSGB Commonwealth Contest
Mar 11	NA Sprint, RTTY
Mar 11	Wisconsin QSO Party
Mar 17	Bermuda Contest
Mar 17	Alaska QSO Party
Mar 17	BARTG WW RTTY Contest
Mar 17	Russian DX Contest
Mar 17	Virginia QSO Party
Mar 24	CQ WW WPX Contest, SSB
Apr 7	Polish DX Contest
Apr 7	Spanish RTTY Contest
Apr 7	Japan Int'l DX Contest, CW

All sorts of contests in March, SSB, CW, RTTY and state QSO parties for WAS chasers. Rules may be found in QST, Worldradio, CQ and NCJ magazines. See You In The Contest 73, Harry, **W6YOO**

## Auction EARS

The Escondido Amateur Radio Society is gearing up for their ANNUAL AUCTION on April 24th. Start rounding up your excess boat anchors. Full details will be in next month's SCOPE 73, Harry **W6YOO**

## WX Update

Shortly after the last Scope was mailed, some of the weather sires changed their URL's.

These are some of the latest as of Feb 15, 2001 -

[http://www.weather.com/maps/map-type/dopplerradarusnational/southwest-dopplerradar1800\\_large.html](http://www.weather.com/maps/map-type/dopplerradarusnational/southwest-dopplerradar1800_large.html)

[http://www.weather.com/maps/map-type/currentweatherusregional/southwestuscurrentweather\\_large.html](http://www.weather.com/maps/map-type/currentweatherusregional/southwestuscurrentweather_large.html)

<http://www.wrh.noaa.gov/radar/latest/DS.p19r0/si.ksox.shtml>

<http://www.wrh.noaa.gov/radar/latest/DS.p19r0/si.kesx.shtml>

<http://www.intellicast.com/LocalWeather/World/UnitedStates/Southwest/California/SanDiego/RadarLoop/73,WA6UTQ> Larry

## PARC NETS (04/00)

All 147.075 10-11pm MCW contacts

All 147.130 2130+ pm Fanciful Group

Sun. 146.730 8:30am AREmergency Service

Sun. 146.730 10:00am Sailor's Net

Sun. 147.075 8:45pm MARA Net

Mon. 146.730 7:15pm RACES sub Net

Mon. 146.730 9:00pm Microwave Net

Tue. 146.730 8:00pm Traffic Net (SDCTN)

Tue. 146.730 9:00pm Off Rounding Net

Thu. 146.730 8:00pm Traffic Net (SDCTN)

Thu. 146.730 9:00pm Ham Help Net

(electronics, computers, antennas, license theory, etc.)

Fri. 146.730 9:00pm Hiker's Net

Sat. 146.730 8:00pm Traffic Net (SDCTN)

Sat. 52.680 8:00pm 6m ARES Net

**POSTMASTER:** Send address changes to Scope, P.O.Box 73, Vista, CA 92085-0073 (also on page 1)

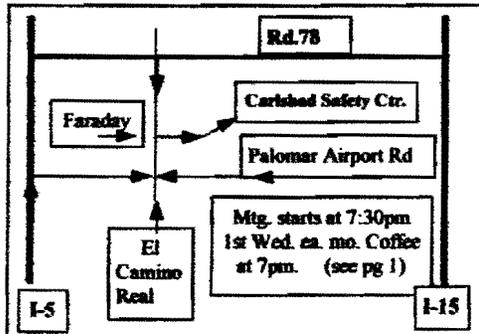
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pg.12  
-36-  
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**Back at the Carlsbad Safety !**



# cover me!

*Fold, I am old and cold. I am told!*

## PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

## OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWX)

PARC Trustee of W6NWX: AB6QT

\*52.680- W6NWX, -0.5 MHz

Autopatches(4): 146.730-, \*147.075+

\*147.130+, \*447.000-

PKT: 145.050s (PALMAR/W6NWX-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWX-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

Intercom: 146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94- KK6KD(HARS)

\*447.05- & \*145.26- KK6KD(HARS)

\*146.175+ N6FQ(FalbrkARC) linked

to 448.900 MHz (-) 103.5PL

\*224.90- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

\*-107.2 Hz

## Pg. NEWS WORTHY

01 Club program; Events; AGOGO; Last Meeting; Goodie Table

02 Board Mtg; W8VDH; Old FD; Programs?

03 Officers; Treas; PresMsg; HSARC; membership; Animal Shelter

04 Field Day Prep; Earthquake Site

05 Power URL; QSL Mng; 136 KHz

06 QSL Cards; Olympics; 50mi run; Ham Family

07 For Sale

08 Grab bag; Nissan; Wanted; Harbor Freight; e-mail

09 Work parties; FD wrk party; Cigarette Plug Cargo Container

10 Lost e-mail; request; patch control; BANG; Self Oscillating

11 IR detc; RF Mod; Cores; Jabra; EARS; WX; Donations; Contests

12 You are looking at it!

## Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>

## Repeaters in Use

Please schedule special repeater use at least one month ahead of intended use with W9FQN:

## PARC 2001 Calendar

Mar. 2001 -

07 Wed, Club Mtg. 7:30pm, Carlsbad Safety Ctr

10 Sat, PARC Testing, Carlsbad Safety Ctr

14 Wed, Board Meeting W9FQN QTH

(move four print)

## Join the ARRL

### see KB6NMK

**PARC Testing** - tests given each 2nd Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty AA6OM at 760-747-5872 or at

[DuncDancer@worldnet.att.net](mailto:DuncDancer@worldnet.att.net)

**Register 5-7 days in advance for tests.**

**Escondido Testing** - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N.Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.



# Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

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also  
ATV & 4 au-

## Palomar Amateur Radio Club Inc.

Scope (USPS #076530) Vol. XXVII No. 4, April 2001, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085.

Dues \$12/yr or \$21/family/yr (includes newsletter subscription, \$3 in SDCo. & \$4 out of SDCo.)

Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

**POSTMASTER:** Send address changes to SCOPE, P.O.Box 73, Vista CA 92085-0073.  
See pg. 12: Contents, Club Calendar, Repeater Use, PARC Frequencies, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

## Club Meeting

Charlie Ristorcelli NN3V@amsat.org

(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

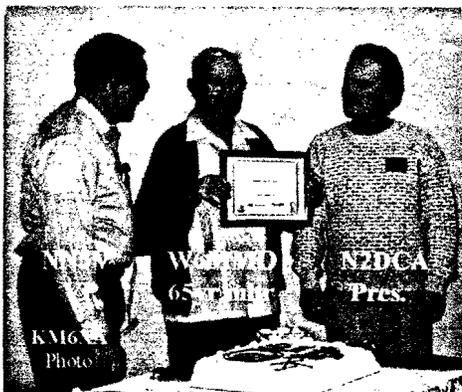
### April 2001 Program

One of the bedrock "truths" about ham radio is contained in the saying "The contact isn't finished until the QSL is exchanged".

This month's program is going to allow our very own **K3PXX** (Terry) to take a close look at the "art" of QS-Ling.

From examining the early history of exchanging contact report information by snail-mail, and why early hams did so, through the ideas about the QSL bureau and how it operates, all the way to the modern (some say "blasphemous") practice of the "e-QSL", we are going to discuss the subject.

For those of you who know Terry,



sk **KG6AMQ** sk

**John Starkey**

Died March 23  
of a leg blood clot  
at Tri-City Hospital

he always has some interesting tricks up his sleeve. So many of you will be surprised to know that Terry is the sole proprietor of one of the longest serving QSL printing services in the country. Yes, many of us have our very own "K3PXX Produced" QS: cards, and have exchanged thousands of them with hams all over the world. Terry is also going to cover how the art of preparing and printing QSL cards changed, and is changing as we speak, over the many years of the practice.

So come on out and enjoy a great evening, peeking into another ritual of the ham operator. And along the way, if you are so moved, join some of the Club members in the informal pre-meeting "dinner sessions" that take place at eateries around the Carlsbad Safety Center.

Many are the talk-ins on the repeater (146.730 MHz) that start around 5:30 PM the evening of the meeting, as some of our Club members congregate before the meeting.

73 de NN3V (Charlie)

**July 4th meeting  
to be held on  
July 11th!**

so that our members can go forth to  
celebrate the Fourth!

## Photo

The photo on this page by **KM6XA** Joel Bolado. It was taken at the club 65th anniversary of its founding. If we can get photos to print properly in the Scope, we will have more of them in the future.

## Coming Events.

April 04, Wed - Club Meeting  
April 11, Wed - Board Mtg. W9FQN?  
April 14, Sat - VE testing Carlsbad

## 33¢ to 34¢

As many of you know, many local clubs are sending out one or two sheet newsletters and they are paying 1st class postage of 34¢ (up from 33¢).

Our 12 page Scope weighs just over 1 oz so if we were mailing at 1st class

Join the **Palomar Amateur Radio Club!**  
Send: Callsign (expiration date), class license, name, address, Zip+4, e-mail, phone#, & \$12 single (\$21 family) to PARC, POB 73, Vista CA 92085-0073.

postage rates we would be paying 55¢ per Scope.

Fortunately, back in the days of our previous editor, **K6HAV** Ralph Crossman, he worked with the Post Office and got us signed up for the P.O. "Periodical" rate.

In order for us to get the cheapest Periodical rate we must -

- sort and group all zip codes
- package same zips
- sort Scopes into 8 trays
- put stickers on top of group
- fill out paperwork, calculate cost
- be sending several hundred
- etc

The club pays more for Scopes being sent out of San Diego County. Because of the small number going out of the county we pay approximately 34¢ postage for each Scope. For example, we only send 2 Scopes to Zone 7 but we have to pay for a full pound of Scopes even though the weight is just a little over 2 oz.! In fact, we send out 2.244 pounds of Scope out of the county but have to pay for 7 pounds.

The remaining Scopes are "in county" and the rate we pay depends upon if the groups are 3 Zip or 5 Zip sorted. If the pile has Zips with the 1st 3 digits the same, it is a 3 Zip pile.

For the 3 Zip sorts, we pay 10.16¢ per Scope and for the 5 Zip sorts, we pay 9.26¢ per Scope.

So, lumping all of the Scopes together, we come out with an average cost of 11.16¢ per Scope ... quite a savings from the 55¢ we would have to pay for 1st class. And remember, we are sending 12 pages which is over 1 oz for the first unit of postage. (de **W9FQN**)

## Long AGOGO *(history)*

**WA6KZN-K6HAV-K16JM(sk)-W9FQN**

*(The purpose of AGOGO is to recall info on file in previous editions of the Scope -Ed)*

(04-00)... FD program by **NN3V** & **WN6K** ..San Clemente Island donation ..attendance 74 including 9 visitors ..Pwr Line RFI ..Find a friend www ..SDCTN by **N6TEP** ..FD articles ..Topo maps ..patch info ....

(04-91)... SANDARC FD trophy

presentation by **KB6MCU** ..info on **KA6UAI** & **WB6FMT** patches ..**WB6BHE** sk ..attendance 74 members and 20 guests but head count 101 ..quakes ..80-6m dipole **W9FQN** ....

## Last meeting *(not quite)*

The March meeting was an excellent reminder by presenter **KC6YSO** David Doan that low antennas are GOOD for local communications in emergencies where VHF and UHF cannot reach into hidden valleys.

Several groups in the San Diego area are using these 80m NVIS antennas for communications: ARES & Red Flag.

Attendance was 75 with 4 guests.

## Goodie Table

"Goodie" donations came from **N6ISCP**PaulLackey, **KD6YJB**Marvin Jones, **K6ISS**FredSmittle, **N6KI** Dennis Vernacchia, **KF6MYE**Jerry Kopack, and **W6SST**JimEgerton. You receive an extra activity point for your generosity.

**W6SST**JimEgerton & **KD6TUJ** DennisBaca took care of the Goodie Table. Attendance was 68 and 8 guests.

## Fold and Staple

The Scope usually goes "to bed" on the 2nd Friday before the meeting on the 1st Wednesday of the next month.

The Fold and Staple (F&S) operation is on Wednesday of the week before the club meeting and consists of -

- calculating No. of newsletters
- taking Scope to the printers
- printing mailing labels
- picking up Scope from printers
- picking up P.O. cardboard trays
- folding the newsletters
- stapling the newsletters
- putting labels on the newsletters
- filling out P.O. forms (2 pages)
- delivering Scope to Vista P.O.
- waiting to hear if anything wrong

The Scope is received by most members the day following the mailing on

Wednesday. If you don't, it is the fault of your local P.O. We are delivered just like 1st class mail but some P.O.'s might think that the Scope is non 1st class and throw it in a pile until all other 1st class mail is taken care of .... so complain to your local postmaster.

## Board Mtg. *(Minutes)*

David Patterson **WB6DAV@Juno.com**

Next meeting at **W9FQN QTH**

*(Club members are invited to Board meetings at Board members QTH's at 7pm on the Wednesday following the club meeting as announced herein. You receive one participation point for attending. A copy of the complete minutes are at the general meeting.)*

**Board Mtg. February 14th, 2001**

**Present:** Charlie NN3V, Al W6GNI, Stan W9FQN, Mark KF6WTN, Dave WB6DAV.

**Absent:** Mike AB6QT, Helmut KG6ERZ, Jo KB6NMK, Allen N2DCA

Meeting called to order at 1920

Treasurers report Stan is acting treasurer due to Jo being in England. Bills to be paid are the Post Office for our P.O. Box and **N6TEP** for related expenses in regards to the traffic net for \$19.21. A motion was made to authorize Jo Ashley **KB6NMK**, Stan Rohrer **W9FQN** and Al Donlevy **W6GNI** to sign checks. Motion was seconded and passed by all board members present.

Stan wrote a letter of thanks to Don Mandel **KB6MLA** for his generous donation.

Sec. report approved as published in the Scope.

Charlie reported that we still have the use of the Safety Center for a meeting place until they start remodeling. Nobody seems to know when that will be.

Al reported that the post office is now charging \$.60 for returned Scopes. Please be sure that you give him your change of address if you move. He also stated that membership is picking up a little.

Charlie stated that the program for March will be Dave **KC6YSO** talking about low altitude antennas.

Mark **KF6WTN** has volunteered to video tape the events leading up to Field Day.

Stan reported 10" of snow at the site with more expected.

The 220 club rental agreement was finalized with the rent remaining the same (\$25 per month) for the rest of this year. Several changes were approved.

# P.A.R.C. Inc (2001 Board)

**Pres:** Allen Maslowski N2DCA 858.642.2400x1229  
N2DCA@amsat.org  
**VP:** Charlie Ristorcelli NN3V 858.676.3307  
NN3V@amsat.g  
**Sec:** David Patterson WB6DAV 760.727-5560  
WB6DAV@amsat.org  
**Treas:** Jo Ashley KB6NMK 760.741.2560  
KB6NMK@amsat.org  
**Dir#1:** Mark Raptis KF6WTN 760.749.4825  
KF6WTN@amsat.org  
**Dir#2:** Helmut Stroeml KG6ERZ 858.720.0549  
Hkstromel2@aol.com  
**SCOPE:** Stan Rohrer W9FQN 760.749.0276  
W9FQN@amsat.org  
**Technical:** Mike Doyle AB6QT 760.742.1573  
AB6QT@amsat.org  
**MSh:** Al Donlevy W6GNI 760.630.3096  
aldonlevy@Juno.com

Board Mtg. 7:00 pm Wednesday of week following the Club meeting as announced.

## Treasurer \$\$, \$\$\$

Jo Ashley  
KB6NMK @amsat.org

See me at club meetings for "hard copies" of financial statement(s).

We have \$\$ set aside for emergencies at the repeater site in case of fire or earthquake.

Possible Costs: antennas ~\$750ea; tower ~\$3k; buildings ~\$3k; batteries \$?;

**Routine:** Scope printing ~\$250/mo; Scope postage ~\$65/mo; electricity ~250/mo; phone ~\$50/mo = ~\$615/mo. (Insurance each Nov. ~\$1,100/year)

**Under consideration:** 6m repeater spare ~\$200; 449.42 repeater spare ~\$100; spare antennas ~\$800; etc = ~\$1,100.

**Approved expenses not spent:** ~\$100 tent trailer; \$110 crystals = ~\$200

### Last month's Scope Helpers:

Thanks to Art and Anita for the folding space and the refreshments. Really great cookies. (the greatest!)

Location	01.31.01	02.28.01
CD179-1311891-8	3,000.00	3,000.00
CD8761216457-6	2,387.19	2,399.52
CD8761216625-9	2,544.64	2,556.74
CD8761216778-6	2,501.24	23,513.86
CD8761391556-4	3,035.19	3,049.16
Checking 010566	4,052.00	4,331.50
Post Office	100.45	100.45
CaSh+CD's	17,620.71	17,951.23
LongTermReserve	9,000.00	9,000.00
Pre-Pd.dues/liab	6,534.00	7,371.00
projects/available	2,886.71	

Next meeting will be at W9FQN's QTH. Meeting adjourned at 2025.

### Board Mtg. March 14th, 2001

Called to order by President N2DCAAllen at 1901:30. W9FQNStan acting secretary.

**Present:** W6GNIAlDonlevy, KB6NMKJoAshley, AB6QTMikeDoyle, and W9FQNStanRohrer.

**Absent:** NN3VCharlieRistorcelli, KF6WTNMark Raptis, WB6DAVDave Patterson, and KG6ERZHelmutStroeml. Treasurers report approved; \$105 to buy crystals for 447.000; \$204.17 to WB6IQSJohnKuivinen for electricity and many small parts; Joe Taylor left town; July meeting 11th and Board 18th; 224.94 agreement discussed and approved; membership 540+; discussed QSL cards; next Board meeting again at W9FQN QTH; meeting adjourned at 2051:45. Cookies were by KA6FPSBarbara.

## President's Message

Allen Maslowski N2DCA@amsat.org

When I brought my TV to the repair shop, I noticed a huge pile of large old surplus parts. I asked him what was with all those parts in the back room. He said that they were donor parts for those hard to find parts situations.

I asked him if he every sold any parts from that pile. He said on occasion that he did but, for a very cheap price.

With that in mind, I remembered that I talked about how the HAMS today are just appliance operators and how the art of home brewing is all but lost in last months Presidents Message.

What a find for that HAM home brewer. That pile of junk got me thinking again. There is one phase of home brewing that I forgot to mention that is very inexpensive for all hams to get there feet wet in making there own equipment. Its making antennas!

The antenna has to be the easiest and cheapest part of our hobby that can we can experiment with. One could construct a very usable antenna for little money, with nothing more that the ARRL handbook for refer-

ence. Wire is very cheap in comparison to the rigs we all use today. Simple wire antennas can be built for any ham band with surprising good results.

If you really frugal you could use salvaged wire from an old transformer or TV yoke. Some of these items can be gotten free, or for a nominal charge, from your local TV repair shop. Traps can be wound on PVC pipe.

I have been experimenting with my antenna systems for over twenty years. Since it's so cheap to do, I've modified some parts of it so many times that I've actually replaced some of the wire sections because there were so many splices in it.

There is one thing to be said from all this experimenting. I've learned allot about wire antennas and trapped dipoles for HF.

I experimented with VHF/UHF antennas as well. My first VHF Through the glass antenna was made with a coat hanger. I got that idea from people putting a coat hanger in the broken base of their car radio antenna mount. Try experimenting. At the very least you need an SWR bridge/ field strength meter for test equipment.

Again I'll say, to get started look in the handbook or on the Internet. There is a tremendous amount of antenna information at your fingertips. Start reading and experimenting. Who knows, you might build the antenna of the century, and learn something new in the process! Have fun, Allen, N2DCA

## Goodie Table

It takes many club members to make the club run smoothly.

W6SSTJimEgerton and KD6TUJ Dennis Baca have been taking care of the Goodie Table this past year.

Dennis usually brings a pot for the hot water being used for tea and decaf coffee. Jim brings a pot for the regular coffee.

They both tend to duplicate the supplies so if they run short or one of them forgets, the other one fills in the cups, sugar, etc. Dennis also keeps extra

KB6YHZArtNye	&	KB6YHYAnitaNye
W6GNIAlDonlevy		K6MLJJimPaquin
N6UZHTTerriBrewer	&	MY2KID & Kimmy
KB6NMKJoAshley		KG6AEWBillOwen
WA6YOOHarryHodges		WA5ACESonnyStires
W6HCDNashWilliams		N6OYGVVictorMusil
W9FQNStanRohrer		WA6UTQLarryRueggeger

sugar, creamer, and coffee at his house as part of the club stock.

And of course, we should not forget the club members who bring in goodies for us to munch on before and after the meeting.

Jim and Dennis both receive an extra activity point for their dedication to the Goodie Table and those bringing in goodies receive an extra activity point also.

## F&S Workers

Once a month a dedicated group of club members meet at Art and Anita's QTH to fold, staple, label, and mangle the Scope for mailing.

These work parties garner the participants one (1) activity point and a good time is had by all (almost). Some of the latest jokes/stories are told and there is usually much laughter (by most).

The happiness of **W9FQN** is determined by whether his right hand ham is there to help: **N6UZHTerry**. When she is there helping, all other problems seem to disappear or seem insignificant.

These hams at the Fold and Staple seem to automatically form into the required groups without any direction. One group sits at a table folding the Scopes. One ham operates the stapler. This job usually is one that **W6YOO HarryHodges** seems to gravitate to when he is not in the hospital.

Another group splits up and heads to counters, couches, tables, etc. with the folded and stapled scopes to attach labels.

**W6GNIAI Donlevy** provides us with the labels which **W9FQN Stan Rohrer** separates by ZIP codes, places them in boxes with the proper P.O. tags. The boxes are then picked up by the labelers to do their thing.

**N6UZHTerry** helps with the above and makes sure that all of the various groups "come together" while Stan works on the paperwork demanded by the Vista P.O. He has to fill out three copies of a two page P.O. form with information provided by Al from the giant computer label run.

We start at twelve "high noon" and usually finish between 1pm and 1:30pm

depending on whether Terry is present!

The following list is of some of the helpers that have participated on a regular or semi-regular basis:

**KB6YHZ ArtNye & XYL KB6YHY Anita; KF6CBX Keith & XYL N6UZHTerry & MY2KID Tyler/Matt; KimmyAshley; KB6NMK JoAshley; W6GNIAI Donlevy & XYL Kathy; K6ML Jim; WA5ACE Sonny Stires; W6YOO HarryHodges & XYL N6TCB Jerry; W9FQN Stan Rohrer & XYL KA6FPS Barb; W6HCD Nash Williams; KG6AEW Bill Ows; N6OYG Victor; KC6WAN Ralph Powell & XYL-Sylvia; N6FMK Bill Bowen; WA6UTQ Larry Ruegseger; KF6US Paul; Bill Hunter; KD6IVF Jim**

P.S. We need more Democrats in this group to balance out the jokes!

## New Members

**Al Donlevy** [aldonlevy@Juno.com](mailto:aldonlevy@Juno.com)

New members that joined PARC in February 2001:

**N8WP Willie Peloquin** (Family membership)  
**KE6ELJ Alfredo Pulido**  
**KB7XI Bill Frame**  
**KG6ETH Tom Daft**  
**KB7RNP Max Dahmen**

In addition, 5 members were reinstated after their membership elapsed.

## Notes/e-mails

**2.9.01** Sorry I don't come to meetings since retirement. I do enjoy SCOPE and the web site though.

Here is my renewal for two years.  
**Paul Gerard KQ6AM**

## Club Membership

**Al Donlevy W6GNI** [aldonlevy@Juno.com](mailto:aldonlevy@Juno.com)

Good News, another 10 year membership renewal received.

**AC8Q** has been added to the list of those members that have sent \$120 for ten year memberships. This certainly makes it easier for the membership guy. Thank you.

That's the good news. The bad news is that the Post Office has increased the charge to forward the SCOPE from 50 cents to 60 cents. Maybe first class mail only went up a penny, but the forwarding fee went up a dime. Please

remember your radio club if you move or change your address. 73, Al Donlevy **W6GNI**

## Ham Classes

**BLIND CENTER:** Tech, General and Extra class licensing classes available at Vista Campus of the San Diego Center for the Blind. Reservations required and ability and willingness to learn the Morse Code Alphabet is also required. Seating is on a space available basis. All classes are weekdays starting at 8:30 AM.

Call Larry/**WA6UTQ** 760-758-5820, leave a name and number on the answering machine.

**MARA:** The Mercury Amateur Radio Association has been conducting some classes in the San Diego Co. area.

The **Penasquitos** class (6:00-8:00) and the Saturday Bonita Class ended yesterday.

The **Bonita** Saturday class (7:00-9:00 am) only had one student. He is well prepared, has already signed up to take the test in Chula Vista on the 24th.

The **Bonita** Thursday Night class (6:30-8:30 pm) has only four students. Bob Moore, **KF6YVC**, reports that all are doing well.

Our only problem is that two of the students work Saturdays, during normal testing hours.

My group is looking at offering a Technician Class in the Santee area, Del Mar area, and/or the Vista area in the near future.

Nothing will be definite until after the MARA membership meeting on Saturday the 17th, and the SANDARC meeting on the 29th(?).

MARA policy is:

- 1) Encourage the potential students' use of established club classes, such as PARC and ARCEC when possible.
- 2) Provide a class when only potential students schedules will not allow them to attend a local club class. Many of our potential student have meetings, school, family obligations that will not permit weekday evening courses, hence the typical 6 AM to 8AM Saturday Schedule.

3) When a class is offered, it is open to anyone, free of charge. The students only costs will be their acquisition of "Now You're Talking."

**NO8RF:** James Pratt has been working with several individuals who have recently become hams. Tnx, Jim.

*(if there is anyone else out there working with individuals or small groups, please let your editor know about it)*

## MMTTY (sound card)

Hi, here is the URL for the RTTY sound card program plus some other interesting items:

[www.geocities.com/mmhamsoft](http://www.geocities.com/mmhamsoft)  
73, Harry Harry A. Hodges, **W6Y00**  
ARRL ASM - VE Team Leader

## NVIS Coverage

Not everyone has space for a NVIS antenna on 80 or 40 meters. It would be interesting to set up a NVIS station which could be accessed through our Palomar Mountain site on 2m or 70cm giving emergency groups and club members access to good local coverage on a band that they do not have antenna space for in their back yard.

## Hams in Blimp

Three members of the Catalina Amateur Repeater Association recently got

to fly - really fly - the Goodyear blimp. Each took the controls for about a half hour and, because the blimp moves so slowly and flies so low, they could "look right into everybody's back yards and see who's flipping hamburgers at the barbecue."

Short story and photos at:  
<http://www.amasa.com/caraclub/blimp.html>  
*(from W6VR Bob's CGC newsletter -Ed)*

## .hk

**Question:** some of my e-mail comes through with hk on the end. What does this mean?

**Answer:** .hk is Hong Kong  
You can find all countries domain registries at URL at:

<http://www.norid.no/domreg.html>  
73 From Rod AC6V In San Diego  
700 Ham Topics & 6,000 Links  
<http://ac6v.com/>

## Bill: HR 817 (update)

The Amateur Radio Spectrum Protection Act of 2001 is now officially HR 817. Rep Michael Bilirakis of Florida introduced the bill on March 1 in the US House of Representatives.

The bill seeks to amend the Communications Act of 1934 by requiring that the FCC make no reallocation of primary Amateur and Amateur-Satellite allocations, diminish any secondary allocations, or make additional allocations

within amateur allocations that would substantially reduce their utility without also providing equivalent replacement spectrum.  
<http://www.arrl.org/arrlletter/01/0309/>  
*(via W6VR's CGC #348 newsletter)*

## 224.940

For the past year or so the PARC Board has been struggling with an agreement with the 220 Club of San Diego, now combined with the Convair Club, with a new name of Convair/220 Club.

After several exchanges of views, the PARC Board has arrived at the wording of the agreement and will be sending it to the new Convair/220 Club for their signature.

There were several disagreements between the two groups on several points. The final agreement which is being sent to them signed by PARC accepted some of their suggestions and rejected others.

One of the sticking points was the rent of \$25 which they have been paying PARC for many years. PARC's point was that this was arrived at years ago and with the increased expense at the site along with the almost doubling of the electric bills, that their rent should be raised.

The Convair/220 Club argued that they should only be using for the elec-

**HAM**  
**RADIO**  
**OUTLET**

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

H  
R  
O

**KENWOOD**  
*rf* **CONCEPTS**  
**DIAMOND**  
**US TOWERS**  
**KANTRONICS**  
**YAESU**  
**MFJ, ICOM**  
**BENCHER, Inc.**  
**HUSTLER**  
**COMET**  
**AMERITRON**

**Astron,**  
**AEA,**  
**OUTBACKER**  
**Larsen Antenas**  
**TEN-TEC**  
*hy-gain, Tri-EX,*  
*cushcraft*  
*and*  
*others too*  
*numerous to*  
*mention!*

Drop in to see our display of working equipment.  
Find out about Pkt location determining equipment (APRS).  
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: 10a.m. - 5:30p.m. Ask about our great prices  
**Monday thru Saturday**  
**858 560-4900** or toll free **1-800-854-6046**  
**5375 Kearny Villa Rd, S. D.**

**Directions:** On 163, take **Clairemont Mesa Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and HRO sign. Be sure to see our equipment in action on real antennas.

tricity that they use and that they should not have a rent increase since they were going in the hole each year despite a treasury of over \$7,000 which mostly came from the old Convair club.

The next opportunity for PARC to institute a rent increase will be January 1st, 2002.

## Challenge Cup

Dave Donnelly [KF6XA@qsl.net](mailto:KF6XA@qsl.net)

I have volunteered for the Baker-to-Vegas Challenge cup radio team, and received my info packet today and I would like to share some of the information in it.

Ham volunteers are still needed to provide communications for the annual **Baker-to-Vegas Challenge Cup Relay**, which will be run this year April 7-8.

The race starts about 19 miles north of Baker at 1530 local time Saturday afternoon, and concludes about 24 hours later in Las Vegas.

There are twenty stages where runners change, and four to six hams are needed at each stage. Others are needed at the start and finish, and for backup.

The communications coordinator reports lower-than-usual numbers of volunteers this year due to other events happening on the same dates.

Each stage is open less than ten hours, and communications is primarily via 2 meters. Hams interested in public service and emergency communications are encouraged to volunteer by contacting the communications coordinator, Joy Matlack KD6FJV, at [pyrrho@cogent.net](mailto:pyrrho@cogent.net) or (714) 220-0318 immediately.

For more information or for a sign-up form, you can contact me at the address above or at (909) 677-2446. The race's official website is

<http://bakervegas.com>

## Paul Stack

One of our club members, Paul Stack who lives in Vista, is a prolific writer of books. Here is a listing of some he has authored -

**The Nail; Lazarus' Cross; The Million Dol-**

**lar Home Run; From Hel to Paradise; Bruster the Rooster; The Adventures of Little and Big Whiskers; The American Mailbox; Radio ASngels; The Son of a CB'er; The pool Shark; The forbidden Ham; Snakehound; Shana; and The Spear of Longinus.**

## XE Operation USA

Hi Stan, The FCC has an information bulletin on their Wireless Telecommunications Bureau's website at

<http://www.fcc.gov/amateur/reciparr.html>.

The bulletin explains how hams from other countries may operate in the U.S. under section 97.107. Section 97.119 advises how foreign operators in the U.S. identify their station. You can click on both these sections when you log onto the above e-mail address.

Please note that no U.S. Citizens, regardless of any other citizenship also held, is eligible for reciprocal operating.

If a ham has a question concerning this matter, please have them call the FCC's National Consumer Center at 888-CALL-FCC, or visit the FCC's website at [www.fcc.gov](http://www.fcc.gov).

*(info via June FCC SD Office -Ed)*

## Zip Codes

Years ago the Post Office in an attempt at computerizing the mail system dreamed up the 5-digit ZIP code which we are now quite familiar with. In fact, some of you have been aware that several years ago this was changed to 9-digits: the basic 5-digits plus four more which split each ZIP code into thousands of smaller sectors within the basic area ZIP.

Not content with the 9-digits, a year or so ago the P.O. added two more digits which consisted of the adding of two more digits which allowed computer sorting of the mailman's route so that the mail could be placed in his or her bag in the order of the walking route.

For example, your editor's address is 30311 Circle R Lane, Valley Center. So, my area ZIP was 92082. Then, when that was sub divided, it became 92082-4806. The next two numbers they added represented the last two digits of the house number which in my case was 11.

Hence, my new ZIP code is now

92084-4806-11 which I have been using on all correspondence for the past year except that my mailman, who is a female mailman, objects saying that she knows me by name and not by the last two digits of the ZIP code even if it does tell her which side of the road I live on.

I will always remember "the good old days" when my parents received a letter from Florida with nothing on the face of the envelope except for their ZIP of 46573 and their picture. The letter was promptly delivered to them!

Now, the P.O. is about to screw up the club's data base and **W6GNI** Al is going wild trying to figure out how he can increase the number of digits in the club's membership data base beyond the 9-digits which will soon be required by the P.O.

The new ZIP, which will soon go into effect, will require the now normal 5-digit ZIP plus the 4-dig sub ZIP plus a 2-digit sub ZIP indicating the the last two digits of the house number or box number. In addition to these two seldom used numbers, two more numbers are being added so that we will have 5 + 4 + 2 + 2 for a total of 13 digits in all ZIP codes. We can hardly wait! This and the increase in postage will probably kill many of us.

These new last two digits are broken up so that the first of these digits represent a) the color of the house being represented by the resistor color code (black-brown-red-orange-yellow-green-blue-violet-grey-white) (only an amateur radio operator in the P.O. could have thought of this one) and b) the last of the newly added digits being a number from 0-9, using the above color code, indicating the predominate color of the average member of the household.

Your editor's new ZIP now becomes **92082-4806-1119** which should be fairly easy for me to remember. The notice the club received on these changes indicates that they are to take place on April 1st which is after this newsletter hits the streets so our worries are delayed for a month until the May newsletter.



# For Sail

(03.20)Kenwood TS-450SAT HF Rig \$500; Kenwood TS-60 6m All Mode \$500: Rod AC6V 760-945-6050 ac6v@amsat.org Ocsd.

(03.15)Telex 50' crankup on ground, rotator, Hy-Gain 3el triband beam, coax cable, Yaesu FL-2100B linear, misc, \$300: Art K6HU 619-697-1538 S.D.

(02.19)Drake MN-4 300 Watt Antenna Tuner \$95; Alpha Delta DXCC 80-10m shortened dipole \$40; Astron RS4A P/S \$20: Herb - KO6Z - 760-736-4095

(02.18)Ham radio station (complete) w/Yaesu F" T-1000D with antennas \$4,500; (best offer for following) MDIC8 Yaesu mic; Alinco DR1200T data radio; Packrat PK-232MRX data controller; Time Wave digital noise filter; MFJ-422BX Bencher paddle keyer; Bencher Iambic paddle, MFJ Versa Tuner 989C 300w; Tektronic 454 oscilloscope with probe; 12v Micronta Reg 12v P/S; Eico DC Reg 0-30v P/S; Astron 12v P/S RS20A; pkt cluster guide: Erwin AB5XE

Personal equipment ads are free to members and could be "bumped" after 3 mo. Make up your ad like the ones below and send to Editor, W9FQN, 30311 Cir. R Ln, Villy. Ctr. CA 92082, (W9FQN@Juno.com) before the 20th of each month.

Commercial Ads in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. W9FQN@Juno.com

909-301-8823.

(02.07)Kenwood TS-440S HF xcvr; Astron RS20 A pwr; MFJ-949E ant tuner; Mike & manuals \$700:Oliver W6UAL 940-4274 Vista.

(02.07)1kw in dual Bud cabinet 5'9x41" panel space 2(61"x19"), 4-plug-in coils 80, 40, 20,10, variable & fixed caps, uses 2 Eimac 4-250's, switch class C or linear B, separate supplies screen, neg bias, control panel variac, push start, run a & off, breaker on hi-volt supply, indicator lights, pwr/VSWR URA27 panel, HV pwr supply 4000v @ 0.5A (variac ctrl); other side of rack class B modulator 600 watts, pr 810's drv pr 6B4's with 5u4 supply & VR75 reg, separate hi-volt supply 4,000v @ 0.5A, 37"x19" open space available: WB6BKR John 858-454-4833 gehmansr1@juno.com **WOW!**

(01-20)small Boys 6 Speed Bike Excellent condition! \$50 firm: AB6QT 760-742-1573 after 5pm.

(12.14)Heath VTVM w/RF probe/manual \$35; KW SWR(separate sensor/meter) \$25; Selection heavy duty switches, coils & var. condensers for KW project; MAC Performa 630CD w/monitor, 56 modem, printer, scanner, lots of software/handbooks offer?; 2 ANTIQUES for bids (Circa 1925 Magnavox audio Fq. Amp. Type AC3, Mod. C, No.2236 using 3 type 01-A push-twist tubes, external 'A' & 'B' batteries; Circa 1933 Heintz/Kaufman Ltd San Francisco Radio receiver regenerative type 900 # 113, 3800-23000kc, US Patents 1,507689-1,907,806 \$400+): Larry W6LCT Vista 760.724.9996 B4 5pm or

7-9pm daily.

(12.11)Mint Yaesu FT-690 MKII, w/spare speaker-mike & battery case \$300, Includes box & paper work:Peter VE7 CQA (858) 942-5502

(12.10)Heathkit SB-104 w/remote VFO & Pwr supply, buyer to make tax deductible donation to private school: Rick KB6GZ 858-566-4016.

(12.10)Siltronix 1011B Transceiver \$150; Palomar Messenger 2V Linear \$50; Siltronix PM-15 /w Spec. Watt meter \$40; Realistic CB Base W/SSB TRC-457 \$100; Big Stick Antenna \$35; 2 meter Ringo Ranger antenna \$50; NO REASONABLE OFFER REFUSED. For more information call Dave @ (760) 7275560, E-mail wb6dav@juno.com This gear is from an estate sale and all is believed in good working condition in San Marcos.

(11.10)Kenwood ant tuner (AT230); remote VFO 230, transceiver TS 530S & mic MC 35S, Mint cond \$600: KF6HHE Richard (760) 598-8289.

(11.10)I-COM 735I w/pwr supply, MFJ deluxe tuner II, I-COM SM5 mike, MFJ electronic paddle \$700: KF6HHE Richard (760) 598-8289.

(9-19)N6OLE Home made Grid Dip Meter with docs, must see to appreciate this work of art(Best Offer); Sears ROAD-TALKER40 SSB XCVR \$50; military throat mic + headphones BO; Precision "Steel Six" lab mtrs. \$5 ea; Proximator I vehicle det. \$2; Olson CB067 Swr Mtr. \$3; Keithly Auto R. Mtr. \$15; Motion Det. Solfan 5240 \$5; 25v.3A Reg. Pwr Sup \$20; Sabtronics Freq. Cntr mod. 8110A \$20; Healthdyne Lab digital thermometer mod. 2000 \$5; call AB6QT at 760-742-1573 after 5pm.

WANTED: (A few good men/women) ☒

(03-19)Wanted: replacement Power me-

Jeff N6FRW

Grace N6WPA

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## Reaching Amateur Radio Operators for Christ

Reaching Amateur Radio Operators for Christ meets each Sunday at 7:00p.m. on 147.270. All HAM operators are welcome to drop in and share scripture or just listen. KF6VHA

ter for Yaesu FL-2100B linear for disabled Romanian Ham, any help greatly appreciated: Mark KD6TB (858)485-0513 or KD6TB@hotmail.com.

(3.10)Wanted: CTCSS board something like a TE-32 or 64 for older radio: Dave WB6DAV@juno.com San Marcos (760)727-5560.

(03.01)Wanted: I'm going to Europe for three weeks this summer and would like to temporarily swap my dual-band HT for a 2m HT with European repeater access tone burst. Dave KF6XA@qsl.net 909-677-2446.

(02.25)Wanted: C.W. keyboard for ham xcvs: Paul 760-726-5007 Vista.

(01.20)Wanted: Reasonably priced HF rig (WARC bands) w/pwr supply mic & manuals. Ant. tuner desired: Ted K6BPP 760-471-2558 San Marcos.

(01.18)Wanted: help in re-programming Motorola Radius P110 UHF radio (4 simplex channels around 467 MHz.): Peter VE7 CQA (858) 942-5502

(01.09)Wanted: 13.8v 20amp P.S. & 80-10m HF vertical. Offering fair price for used equipment: jacox@home.com

(12.15) Wanted: I'm looking for copies of a series of articles that appeared in some old issues of QEX. Specifically: "Signals, Samples, and Stuff", March through August 1998 issues of QEX. If anyone has these, please send an email to: Vito at -vbica@clea.qualcomm.com

## Grab Bag at Mtgs.

At the next club meeting **W9FQN** Stan will have some more of the club's buckets of valuable junk at a table near the right wall (at least it is not the wrong wall:) small parts, radio books, magazines, HT belt holders, etc. Some items are priced 4/\$1 and other buckets 2/\$1.

## Wanted

Disabled Romanian Ham needs replacement Power and SWR meters for a Yaesu FL-2100B Linear. Any help will be appreciated. Mark KD6TB (858)485-0513.

I also have a 30 year accumulation of QST and miscellaneous magazines that I need to 'place in a good home'. If you know of anyone who would like them or if the PARC could use them I would be happy to donate them.

Keep up the great work on the Scope. It is always a pleasure to receive it and read through its pages.

Thanks. 73, Mark, **KD6TB**

## Going Home (on the range)

**N6GNB** Al Fahnestock & **N6GWJ**

Micky Fahnestock are planning on moving to a retirement home soon and have the following items for sale:

2 METER STATION: Manuals for all units;  
**Kenwood** TS-711A/E 2m all mode scvr \$350  
**Kenwood** MC-46 mike with touch tone pad 25  
**Kenwood** SN-50/sw-100 Power meter 30  
**Kenwood** TM-241A, 144 mhz mobile xcvr 125  
**Kenwood** R-1000 Communication Receiver with Eaves dropper ant., 2 polls 125  
**Daiwa**, CN-630 swr & power meter 60  
**Mirage**, B108 2 meter amplifier 10w/80w 100  
**Alliance** HD-73 Heavey Duty Rotator, control box, Cable, 8 element Hy-Gain Beam 2 meter Ant. Push up Mast. For all only 110  
**Daiwa** CS-201 coaxial switchs. 4 mounted on a panel to switch between 2 radios and 2 antennas \$20 each or all 4 mounted only 60  
**Ringo Ranger** ARX2B- 2 meter antenna with push up mast & Tri-Pod stand 60  
**Astron** RS35M Pwr supply w/meter 100  
**AEA** PK12 packet controller 50  
**Yaesu** FT-23R HT Large Battery 2-5 Watts. soft leather case, charger 75  
**Yaesu** FT-23R HT Large battery 2-5 Watts. Hard leather case, touch tone pad & charger 125  
**Yaesu** MH-12A@B Spkr Mike for HT 25  
**RadioShack**RS100 pro-25 Dig. Scanner/ant. 110  
**V12**, Wv-120B Power Monitor 25  
**Valor/Procom** 1/4 wave Mag Mount Ant 15  
 HT Antennas various type 1/4 - 5/8 wave 5-10  
**Radio Shack** 8 ohm speakers 5-10  
**Radio Shack** Speaker for telephone 5  
**Wilson** Mag. Mouny Ant. Base only 5  
**AEA** AC-1 DIA-4812 120vac/12vdc 1A xfmr 20  
**Shinn** FU L-6001 12vdc recharg pwr sys port 15  
**Pico** Quartz World Time, battery operated 15  
**GE** Casset Recorder 3-way pwr 10  
**Power strips** 12vac each 5  
**N6GNB** Al Fahnestock, Fax (760) 741-5268 ~ Home Phone (760) 741-1840 ~ Email, ulrich525@aol.com. Escondido, CA92027

## ARRL/ARES (Web Page)

Be sure to check out the San Diego ARRL/ARES Web page at:

<http://www.qsl.net/sdgarri>

## Join the ARRL!

## Committee Chairmen

(appointed to serve Sept '99)

ARESinfo. -Dennis S	<b>K7DCG@amsat.org</b>
Attendance -Stan R	<b>W9FQN@amsat.org</b>
ATV -Bills KB6MCU	<b>W6GIC@amsat.org</b>
Auction -Ted W	<b>KD6BF1@amsat.org</b>
Badges new -Al	<b>W6GNI@amsat.org</b>
old -John T	<b>W6LOQ@amsat.org</b>
Batteries -David KD6EBY DAT	<b>@Gerry.Palomar.caltech.edu</b>
BBSMonitor -Bill B	<b>N6FMK@amsat.org</b>
Billing:Ads/etc-Lyell K	<b>K6GVM@arrl.net</b>
By-laws -Paul KF6VIE	<b>pdecicco@pondlaw.com</b>
& -Ron RWA9JCL	<b>r3mb@concentric.net</b>
Contest Info -Dennis V	<b>N6KI@amsat.org</b>
ControlOps. -filled	<b>W6NWG@amsat.org</b>
D.Mar Fair-Barbara R KA6FPS	<b>Tennis42@Juno.com</b>
Emergency QTH's (Emergency Com. Centers)	
HarryH -W6YOO	<b>W6YOO@amsat.org</b>
DennisV -N6KI	<b>N6KI@amsat.org</b>
Field Day -Charlie R	<b>NN3V@ARRL.net</b>
FDTech. -John K	<b>WB6IQS@Juno.com</b>
Historian -Stan R	<b>W9FQN@Juno.com</b>
Interference -Bills KB6MCU	<b>W6GIC@amsat.org</b>
Inventory -Dennis B	<b>dennisKD6TUJ@juno.com</b>
MtgGoodies -Jim E	<b>Whisky6SST@juno.com</b>
Membership -Al W6GNI	<b>aldonlevy@juno.com</b>
Nets -Stan R	<b>W9FQN@Juno.com</b>
Newsletter -Stan R	<b>W9FQN@amsat.org</b>
PALBBSpkt -Bruno H	<b>KF6QDP@amsat.org</b>
Patch Info -Stan R	<b>W9FQN@Juno.com</b>
PatchETronics-Jerry H	<b>WB6FMT@amsat.org</b>
Picnic -Marsh P	<b>W6SAX@amsat.org</b>
PowerAC/DC-Mike P	<b>KD6VHI@amsat.org</b>
Programs -Charlie R	<b>NN3V@ARRL.net</b>
Publicity -Fred S	<b>K6ISS@amsat.org</b>
QSL Cards -Merle R	<b>KR6BT@Juno.com</b>
RACESinfo -Jo A	<b>KB6NMMK@amsat.org</b>
Red Flag- W6HCD	<b>NashWilliams@Compuserve.com</b>
Rptr Site -Stan R	<b>W9FQN@Juno.com</b>
Rptr Skeds -Stan R	<b>W9FQN@Juno.com</b>
SANDARC -Sybil A	<b>W6GIC@amsat.org</b>
-Bill S KB6MCU	<b>W6GIC@amsat.org</b>
SellerTable -John K	<b>WB6IQS@Juno.com</b>
AstSWDivDir-Walt	<b>WA6ODQ@arrl.net</b>
TechSite -Mike D	<b>AB6QT@amsat.org</b>
TestingVE -Rusty M,	<b>DuneDancer@worldnet.att.net</b>
Training -	<b>W6NWG@amsat.org</b>
TrusteeW6NWG-Mike D	<b>AB6QT@amsat.org</b>
Web Site -Frank L	<b>KE6WOF@amsat.org</b>

## (Net Managers) (see pg.12)

ARES Sun -Stan R	<b>W9FQN@amsat.org</b>
Staff Net -David D	<b>KC6YSO@amsat.org</b>
ARES 6m -David D	<b>KC6YSO@amsat.org</b>
Ham Help -Mike D	<b>AB6QT@amsat.org</b>
-David D	<b>KC6YSO@amsat.org</b>
Hiking -Ed	<b>KF6DXX@Juno.com</b>
-Glenn P KE6ZLY	<b>KE6ZLY@Juno.com</b>
MARA -Cathy KE6IQU	<b>W6NWG@amsat.org</b>
Microwave -Kerry B	<b>N6IZW@qualcomm.com</b>
Off Road -Jerry A	<b>jwak6pfp@cts.com</b>
-Dick W KA7AYT	<b>rwilimek@home.com</b>
Sailors -Larry D	<b>W6QCA@amsat.org</b>
Traffic(SDCTN)-CharlesN6TEP	<b>cmiele@juno.com</b>

**Names** in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to **W6NWG@amsat.org** or P. O. Box 73, Vista, CA 92085-0073.

## Repeater Status 03.26.01

146.730+ : Normal, mixing noise?  
147.075- : Normal, no problems  
147.130- : Normal, no problems  
147.000- : No DC when on emg pwr  
52.680 : Normal, no problems?  
146.700- : Packet Repeater Normal  
145.050s : Packet Digi Normal  
PALBBS : Bulletin Board Normal  
**AutoPatch** : Problem at Rpt Site  
ATV : No observed problems(?)

## Work Parties

May 5th MARA Brush at Rptr Site  
May 6th Regular Site Work Party  
Jun 10th Regular Site Work Party  
Jun 22nd Field Day setup VillyCtr  
Jun 24th Field Day takedown V.C.

## Work Parties *(trabajo)*

*(General workparties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)*

**Next general workparty:** there are no scheduled repeater site work parties until further notice because of unfavorable weather.

(03.02) **KB6MCUBillSmith** and **K6QLDaveFender** went to the site to make adjustments in the ATV transmitter.

(03.03) **W9FQNStanRohrer** visited the site to put an end to the leak found by KB6MCU.

## Battery Bldg. *(charg holder)*

The club's original block building has all of the repeaters removed from it so that the 24 new cells can be installed this summer.

This will give the club two battery buildings. The original shed with 14 cells (blocks of 7 cells making two batteries) and the old block building with 24 brand new cells.

These cells are rated at 1.52 volts each, weight 350-400 pounds each, and are in clear plastic cases. When the time comes to move them, we will be needing trucks to haul them to the site.

**KD6VHMikePennington** is in charge of the project and has started to weld up the steel shelves needed to hold

## Technical, autopatch, repeaters, etc:

**AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)**

pg.9  
-45-  
1,525

these large heavy cells.

This will be a rather difficult and long project since it involves -

- + adding an outside shed for chargers
- + rewiring some of the DC circuits
- + welding up racks for the cells
- + hauling 24 batteries to the site
- + installing charging equipment

When it comes time for installing the racks, we might need some help during the week when Mike has time off. We will put out a general call for help when that time comes. *(W9FQN)*

## Frig.Bldg.Leak *(drip-drip)*

**Stan Rohrer** **W9FQN@Juno.com**

The trip up Palomar Mountain to repair the leak in the Frig. building was uneventful. At about 3,000 there was a sign that said that "chains are required on all vehicles" which I decided to ignore considering that the road was completely free of snow.

About 3,500 feet I started seeing little traces of snow along side of the road. Probably left over from the snow plows.

At 4,000 feet more snow along the side of the road but snow was not observed on the ground until about 5,000

feet.

I made it to the top of Palomar without any snow or ice on the road but had to pass several signs saying that chains were required which I don't think instills much confidence in signs by the general public. It reminds me of the miles and miles of straight roads here in SDCo with double lines which we are teaching the public to ignore!

At the entrance to the lane going back to the repeater building the snow was piled several feet high ... almost like a gigantic speed bump (tope in Spanish).

I saw tracks of other vehicles entering our lane so I shifted the Blazer S-10 into 4-wheel drive and started to attack this giant tope when I noticed that there was lots of snow on the other side and deep ruts on the other. So I decide to find a parking spot just off of the main road and hike in as KB6MCU did the day before.

Getting off the side of the main road was no small task with snow banks several feet high. I found a place where I thought I could make it so in 4-wheel drive I jammed into the snow several

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feet, backed up, and charged in again ..back and forth until I had my rear end (the car) off the road.

I had brought a fair amount of equipment along with me to seal off the Frig. from rain and melting snow. I took my wooden ladder off of the roof mount, loaded it with as much equipment as possible, and started to pull it into the site sort of dog-team fashion or like the Indians use to move their abodes on to long poles by dragging with a horse. So I sort of "horsed around" and finally made it into the side with only minor problems.

After inspecting the inside of the Frig. for water damage (nothing on the repeaters), I crawled on the roof into about 18 inches of snow and slush.

Using a hoe, I hoed off all of the white stuff ... this was work so I took off my jacket (one of them) ..when everything was clean (almost), I took off my gloves and proceeded to "swish" off the water with my bare hands ... being from Indiana years ago, I had forgotten how cold that could be.

With the roof now clean, I installed a tarp and used 1 roll of silver duct tape to tape it into place. Then I stacked boards and other objects on top of the tarp in hopes it would all stay in place for the rest of the winter until we had warmer weather for a good repair.

Inside the Frig. there was water standing on a small section of the floor. **KB6MCUBillSmith** the day before had drilled a hole in the floor to let it out. The problem here was that it was a false floor with a metal bottom.

I took some of the items back to the car and brought back a drill. I enlarged the hole and tried to drill a hole through the metal floor below but am not sure if I succeeded ... but the lake below gradually seemed to abate so I must have made some sort of impression.

So why this long discussion about traipsing into the repeater site?

Well, the piece is meant to be a thank you to all those that have been into the site for the club over the years to make emergency repairs to our repeaters:

**WB6IQSJohnKuivinen** (for years)  
**KB6MCUBillSmith**  
**AB6QTMikeDoyle**

...and the many others who have made the trek into the site during the winter months to take care of club equipment.

**THANKS!**

## Palomar Mt. Snow

The CHP has closed the roads to the top of Palomar Mt. several times this year to all vehicles without chains.

The locals figure that they have had about 55 inches of snow this season!!!

All of the now has made it difficult getting into the repeater site on the gravel road ...and even more difficult getting out of the site.

This year **KB6MCUBillSmith** and **W9FQNStanRohrer** both had to walk into the site within two days (2 trips for each) hauling in items. **AB6QTMikeDoyle**, PARC Technical Chairman, also got to play in the snow several times.

## RF Safety *(don't get burned)*

All amateurs should remember that they need to comply with the January 1st FCC new set of rules in Part 97 of the Rules and Regulations dealing with Restrictions on Station Location.

The following is quoted from Sec. 97.13 Restrictions on station location.

(c) Before causing or allowing an amateur station to transmit from any place where the operation of the station could cause human exposure to RF electromagnetic field levels in excess of those allowed under Sec. 1.1310 of this chapter, the licensee is required to take certain actions.

(1) The licensee must perform the routine RF environmental evaluation prescribed by Sec. 1.1307(b) of this chapter, if the power of the licensee's station exceeds the limits given in the

following table:

Evaluation required if watts exceeds

MF	
160 m.....	500

HF	
80 m.....	500
75 m.....	500
40 m.....	500
30 m.....	425
20 m.....	225
17 m.....	125
15 m.....	100
12 m.....	75
10 m.....	50
VHF (all bands).	50

UHF	
70 cm.....	70
33 cm.....	150
23 cm.....	200
13 cm.....	250
SHF (all bands)	250
EHF (all bands)	250

For those interested in obtaining a copy of a program which does all of the calculations quickly for you, you can download the program from -  
[//members.aol.com/cqvhf/97issues/rfsafety.bas](http://members.aol.com/cqvhf/97issues/rfsafety.bas)  
 or from the ARRL web site of -  
<http://arri.org>

Your editor has a copy of the program in his computer and if you would like to have it sent as an attachment, contact him at **W9FQN@Juno.com** on March 31st and he will send you a copy.

## Patch Numbers

The computer program running the club's autopatch system has been loaded with the prefixes provided to us by the Pacific Bell telephone book.

For example, in the beginning of the phone book is a section called **Customer Guide** which lists **Local and Nearby Calling** prefixes.

Page 25 in my phone book marked "good until November 2001" is a listing of all of the prefixes that can be called from a Vista telephone. Of course, our

Northern patch is in Vista so we copy all of the prefixes listed under Vista into the giant computer as approved prefixes that we will allow to be called from the Vista patch. All other non-listed prefixes will be disallowed or killed by the watchdog computer.

The listing under Vista is not a complete listing of all the prefixes that can be called from Vista since any published listing of prefixes is "old" the day it is published! The phone company keeps adding new prefixes (without consulting PARC) all the time and the phone company also does not list all of the new cell phone prefixes.

This all means that if you are trying to call a cell phone or a newly added prefix, the computer will not complete the call. It will kill it.

It is true that some of you have contacted W9FQN about several new prefixes and they have been added to the computer list. Also, several of you have contacted him about cell phone prefixes and these have been added with the understanding that if PARC gets charged for them that the cell phone number will be dropped from the approved list.

While the splitting up of the old 619 into 858 and 760 was a pain for PARC in the first place, it does open up the possibility for simpler dialing if they keep going in the direction they were headed before being stopped by public reaction.

The 760 area not only covers all of North County which is covered by the Vista patch connection, but it also covers into Palm Springs and up north. So we need the "watchdog" computer to make sure that all calls are going to North County and are not long distance outside of our area which the club would have to pay for.

Now, if the new 442 (or something like that) comes in for North County, it is our understanding that it will cover ONLY north county which would mean that we could accept ALL prefixes dialed without having the watchdog computer checking them. This would simplify our dialing problems and the need

to update prefix lists. These comments also apply to the middle and lower SDCo patches and just not only to the Vista patch.

So, if you have dialed properly, and your call does not go through, your call is probably being directed to a non-programmed prefix that we are not aware of so be sure to contact W9FQN with your problem and we will try to get the prefix added to the "approved" list of prefixes.

## Contests

Harry Hodges W6YOO@amsat.org

- Apr 7 Polish DX Contest
- Apr 7 Spanish RTTY Contest
- Apr 8 UBA Spring Contest, SSB
- Apr 13 Japan Int'l DX Contest
- Apr 14 EU Spring Sprint, SSB
- Apr 21 Michigan QSO Party
- Apr 21 Ontario QSO Party
- Apr 28 Helvitia Contest, CW & SSB
- Apr 28 Nebraska QSO Party
- Apr 28 Florida QSO Party
- May 5 NV, MA, CT, IN, OR QSO Parties
- May 5 10-10 Contest, CW
- May 12 FISTS Spring CW Sprint
- May 12 Italian WW RTTY Contest
- May 12 CQ-M Int'l DX Contest

Lots of stuff going on this time, DX, CW, RTTY, and state QSO Parties. Time to add to your DXCC and WAS counts. Rules may be found in QST, Worldradio, CQ and National Contest Journal magazines. See You In The Contest 73, Harry, W6YOO

## DX Path (road to contacts)

For those interested in DXing and possibly Field Day propagation predictions, it is possible to download the famous VOACAP software from the www.

VOACAP, after inputting various station parameters, will list information on what signals might be like to any spot on the earth.

The following advice is taken from the World Radio Magazine ...

1. go to <http://elbert.its.bldrdoc.gov>
2. click on **High Freq HF propagation**
3. click on **HFWIN32**
4. click on **README.txt**
5. click on **here** in "Tech manual"

6. click on **here** in "Orig User Manual"

7. click on **here** in "install from your hard drive" line to download the software to your PC.

If you follow these steps you should end up with all of the needed instructions and the VOCAP program.

## Patch Hours

The club's autopatch system is presently on the air 24 hours a day and 7 days a week.

Turning the electronics ON and OFF is a rather easy thing to do with timers but turning the computer off causes problems since the QBASIC program that runs the patch would have to be loaded each morning.

The way it is now, the program resides in the computer sometimes for weeks until some modification has to be made to add someone to the PIN or BOX listing.

It seems that I remember someplace that it would be possible to have the autopatch program load automatically when turned on but I don't remember how that is done. Any suggestions?  
W9FQN@Juno.com

## Tie Wraps

I usually save tie wraps from cords, Vons, etc but they never seem to be the correct length to tie up the cables I am working on.

At Vons the other day I ran into something called Bright Buys that turns out to be a neat little package of 100 ft of Twist Ties plus a built in cutter. You pull out as much as you need and cut it to that length. (W9FQN)

## Auction EARS

The Escondido Amateur Radio Society will hold their annual auction on the 4th Tuesday of April, the 24th.

PARC members are invited to participate in the fun and drag something home that they can then sell at the PARC auction in October.

# PARC NETS (04/00)

All 147.075 10-11pm MCW contacts  
 All 147.130 2130+ pm Facitious Group  
 Sun.146.730 8:30am AREmergency Service  
 Sun.147.075 8:45pm MARA Net  
 Mon.146.730 7:15pm RACES sub Net  
 Mon.146.730 9:00pm Microwave Net  
 Tue.146.730 8:00pm Traffic Net (SDCTN)  
 Tue 146.730 9:00pm Off Roading Net  
 Thu.146.730 8:00pm Traffic Net (SDCTN)  
 Thu.146.730 9:00pm Ham Help Net  
 (electronics, computers, antennas, license theory, etc.)  
 Fri.146.730 9:00pm Hiker's Net  
 Sat. 146.730 8:00pm Traffic Net (SDCTN)  
 Sat. 52.680 8:00pm 6m ARES Net

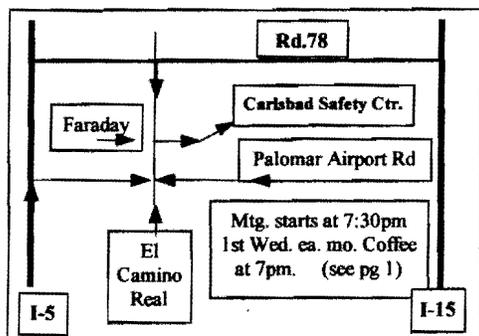
**POSTMASTER:** Send address changes to Scope, P.O.Box 73, Vista, CA 92085-0073 (also on page 1)



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2001  
pg.12  
-48-  
1,528

## Time Dated Material

Periodicals  
Postage Pd.  
at Vista CA  
92085-9998



# cover me!

*Fold, I am old and cold. I am told!*

### PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

### OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWG)

PARC Trustee of W6NWG: AB6QT

\*52.680- W6NWG, -0.5 MHz

Autopatches(4): 146.730-, \*147.075+  
\*147.130+, \*447.000-

PKT: 145.050s (PALMAR/W6NWG-1)  
146.700-(Duplex Pkt) PALBBS/EMG use  
145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

Intercom: 146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94- KK6KD(HARS)

\*447.05- & \*145.26- KK6KD(HARS)

\*146.175+ N6FQ(FalbrkARC) linked  
to \*445.600 MHz (-)

\*224.90- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

\*=107.2 Hz

### Pg. NEWS WORTHY

- 01 Club program; 33-34¢; photo
- 02 Board Mtg.; AGOGO; Last; Goodie; Fold & Staple; Board Mtg.
- 03 Officers; Trea\$; PresMsg; more Goodie;
- 04 F&S Workers; Membership; notes; Classes
- 05 MMTTY; NVIS; Blimp; .hk; HR817; 220
- 06 Challenge Cup; Paul Stack; XE; Zip Codes 07 For Sail; Wanted
- 08 Grab Bag; Wanted; Going Home; ARES
- 09 Work parties; Battery Bldg; Frig Bldg;
- 10 Palomar MtSnow; RF Safety; Patch No's
- 11 Contests; DX Path; Patch Hrs; Tie Wraps; EARS auction
- 12 You are looking at it!

(do you always read the fine print?)  
and own this!

### Repeaters in Use

Please schedule special repeater use at least one month ahead of intended use with W9FQN:

### PARC 2001 Calendar

April 2001 -

- 04 Wed, Club Mtg. 7:30pm, Carlsbad Safety Ctr
- 11 Wed, Board Meeting W9FQN QTH
- 14 Sat, PARC Testing, Carlsbad Safety Ctr

(more fine print)

## Join the ARRL

see KB6NMK

**PARC Testing** - tests given each 2nd Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty AA6OM at 760-747-5872 or at

[DuneDancer@worldnet.att.net](mailto:DuneDancer@worldnet.att.net)

Register 5-7 days in advance for tests.

**Escondido Testing** - examinations on the LAST Saturday @ 9:00am, Chamber o. Commerce, 720 N.Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.

### Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>



# Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-, Pkt 146.7-, 145.05

May  
'01  
pg.1  
-49-  
1,529

## Palomar Amateur Radio Club Inc.

also ATV & 4  
autopatches

Scope (USPS #076530) Vol. XXVII No. 5, May 2001, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085.

Dues \$12/yr or \$21/family/yr (includes newsletter subscription, \$3 in SDCo. & \$4 out of SDCo.)

Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

**POSTMASTER:** Send address changes to SCOPE, P.O. Box 73, Vista CA 92085-0073.

See pg. 12: Contents, Club Calendar, Repeater Use, PARC Frequencies, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

## Club Meeting

Charlie Ristorcelli

NN3V@amsat.org

(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

### May 2001 Program-

Time and again, we all comment on how we overlook the marvels in our own backyard!. How many times have we gone off to Cabo for a seaside vacation, when we could enjoy just as much if not more, right in our own San Diego yard.

Well, this month we're going to take advantage of our local marvels. Our very own AB6QT (Mike) is going to share some fantastic local history with

us.

Taking advantage of his position as one of the equipment technicians who maintain the Mt. Palomar Observatory, Mike (Mountain Mike as he is called) will give us a thrilling tour of the history of Mt. Palomar.

From the day it was founded, through the interesting steps regarding the telescope's installation, to the fantastic things discovered in the past - and in some cases daily today - "Mountain Mike" is going to share some fascinating history with us. So, come on out and enjoy a night of technology, optics, and fun, and join us for the Club's monthly meeting on Wednesday May 2nd.

And remember, if you want some added fun, join the many PARC members who congregate in the vicinity of the meeting place for "dinner before the show". Talk-ins are common on the 146.730 MHz repeater, starting around 5:45 PM.

## Coming Events.

May02, Wed - Club Meeting

May09, Wed - Board Mtg.

May12, Sat - VE testing Carlsbad

## FD Novice/Tech

I am looking for a volunteer to run the PARC Novice / Tech FD station this year.

So I ask that you give considera-

**July 4th meeting  
to be held on  
July 11th!**

so that our members can go forth to  
celebrate the Fourth!

tion to this request.

The Club will provide the antennas, shelter, generator, etc., etc.

What I need is a Novice / Tech licensee volunteer to run the station, and to help establish the station on the air. He or she will be coached by one of our operators who ran this station for many years, but upgraded his license and can no longer be the band captain.

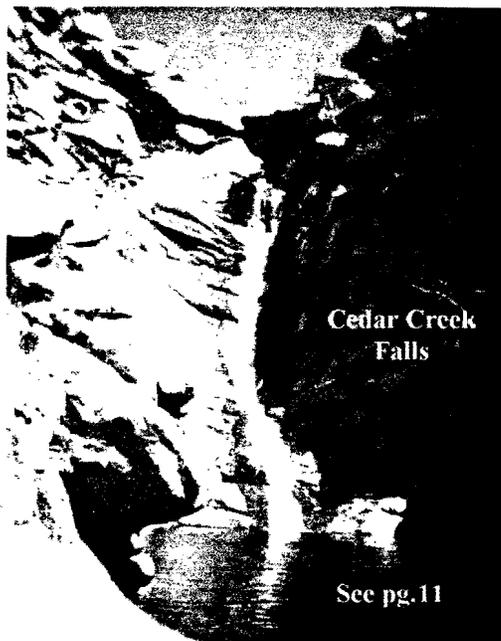
If you do not desire to do so, but know someone who may be willing, I'd appreciate the contact as well.

It is a great opportunity to learn a lot about ham radio, to practice many skills, and to wind up in a good position at the end of FD to go take the upgrade test and become an upgraded licensee.

Please respond by e-mail, telephone, or contacting me on the air or at the Club meetings if you are willing to be the PARC Novice/Tech station

Join the Palomar Amateur Radio Club!

Send: Callsign (expiration date), class license, name, address, Zip+4, e-mail, phone#, & \$12 single (\$21 family) to PARC, POB 73, Vista CA 92085-0073.



Cedar Creek  
Falls

See pg.11

band captain, or know someone who would be willing to do so.

Remember, FD is 23-24 June. 73 de *NN3V*(Charlie)

## Badges

The following people have not picked up their badges. In some cases they just probably forgot to renew so if you hear any of them on our repeaters, be sure to tell them that their badge the paid for is waiting for them and we would like to see them back again as club members. Those in dark type are presently members in good standing. ***KD6CEO*** Dale & ***KD6AYE*** Debbie

(presently non-members)

***KG6AZK*** Johathan (member)

N2BV Russ (This is an OLD one)

N6FYK Don (presently non-member)

KD6GEJ Jim (p. non-member)

KD6KHS Mike (p. non-member)

KC6MWJ Woody (p. non-member)

KA6NZN Leslie (p. non-member)

***KF6POM*** Tracy (member)

KF6UVD Hank (p. non-member)

WQ6V Larry (50th Anniversary badge)

(p. non-member)

That last one was a special request for a 50th Anniversary badge (and was never paid for).

## Long AGOGO *(history)*

**WA6KZN-K6HAV-KI6JM(sk)-W9FQN**

*(The purpose of AGOGO is to recall info on file in previous editions of the Scope -Ed)*

(05-00)...www program by AC6V

..NTS by KT6A ..ARES people ..34 on

Hikers Reflector (now 55) N7ARM &

KE6WYI sk ..FD Info ..meeting at

Carlsbad Theater ..Activity Pts

..449.420 to 447.200? (now 447.0) ..old

repeaters....

(05-91)..97 at meeting & 15 guests

..Meeting Lincoln Middle School

..147.130 carried in snow 4.7.91 out to

car for repair ..2 patches ..net schedule

..expert list .. Flying Samaritans need

glasses ....

## Last meeting *(not quite)*

The March meeting was an excel-

lent reminder by presenter ***KC6YSO*** David Doan that low antennas are GOOD for local communications in emergencies where VHF and UHF cannot reach into hidden valleys.

Several groups in the San Diego area are using these 80m NVIS antennas for communications: ARES & Red Flag.

Attendance was 75 with 4 guests.

## Goodie Table

"Goodie" donations came from ***N6ISCP***PaulLackey, ***KD6YJB***Marvin Jones, ***K6ISS***FredSmittle, ***N6KI*** Dennis Vernacchia, ***KF6MYE***Jerry Kopack, and ***W6SST***JimEgerton. You receive an extra activity point for your generosity.

***W6SST***JimEgerton & ***KD6TUI*** DennisBaca took care of the Goodie Table. Attendance was 68 and 8 guests.

## Board Mtg. *(Minutes)*

David Patterson **WB6DAV@Juno.com**

**Next meeting at KB6NMK QTH**

*(Club members are invited to Board meetings at Board members QTH's at 7pm on the Wednesday following the club meeting as announced herein. You receive one participation point for attending. A copy of the complete minutes are at the general meeting.)*

**Board Mtg. April 11th, 2001.**

**Present:** All W6GNI, Jo KB6NMK, Stan W9FQN, Mark KF6WTN, Dave WB6DAV & Alan N2DCA.

**Absent:** Mike AB6QT, Helmut KG6ERZ, Charlie NN3V

Meeting called to order at 1904 Hrs.

Treasurers report approved.

Secretary's report approved as printed in the Scope.

It was agreed to move the July meeting forward 1 week since the regular meeting falls on the 4th. The board meeting will be moved forward 1 week also.

Field day allocations were discussed and it was approved that \$200 be allocated for food, \$65 for the portable toilet and \$50 for equipment repairs and upgrades.

It was approved to ask Ted KF6BFI to be a temporary replacement for Helmut as a board member until he returns.

Mark suggested that we have a bring a friend night at club meeting. This would be a chance to introduce new people to ham radio. Regular members are encouraged to bring their old course manuals and other publications that would help new hams.

Stan reported that Mike AB6QT has been working at the repeater site trying to find several problems. The autopatch is still down and probably will be until we can get to the site to do more checking.

Barbara KA6FPS was appointed again to be the PARC representative for the Del Mar Fair. It was also mentioned that we will lose several valuable operators for field day to the DX Club field day event. We don't know how many will not participate with us this year.

Next board meeting will be at Jo's KB6NMK

Meeting was adjourned at 2030 Hrs.

## New Members

Al Donlevy **aldonlevy@Juno.com**

New Members Joining PARC in March 2001: ***N7MM***, ***KA6CHW***, ***KG6FHP***, ***W6CUW***. ***W6GMB*** reinstated after long absence.

When you hear these calls on a repeater, greet our new members.

That's the good news, now the bad news.

July is coming! Our club has 113 members that are up for renewal in July. It would really be great if about half, or more, would renew a month or two early! Twenty members renewed for more than 1 year last July, and that helps (me) this year! 73 and Thank you.

Al, W6GNI

## Sailor's Net *(note)*

Stan, I have not been running the net for about six months. I have obligations in Palm Springs on weekends and I am out of town a lot. I think someone else will have to run it if it is to continue. Larry ***W6QCA***

*(The Sunday Sailor's Net has been removed from the "active" list. We would be more than happy to reinstate it if someone would like to*

# P.A.R.C. Inc (2001 Board)

**Pres:** Allen Maslowski N2DCA 858.642.2400x1229  
N2DCA@amsat.org  
**VP:** Charlie Ristorcelli NN3V 858.676.3307  
NN3V@amsat.g  
**Sec:** David Patterson WB6DAV 760.727-5560  
WB6DAV@amsat.org  
**Treas:** Jo Ashley KB6NMK 760.741.2560  
KB6NMK@amsat.org  
**Dir#1:** Mark Raptis KF6WTN 760.749.4825  
KF6WTN@amsat.org  
**Dir#2:** Helmut Stroeml KG6ERZ 858.720.0549  
Hkstromel2@aol.com  
**SCOPE:** Stan Rohrer W9FQN 760.749.0276  
W9FQN@amsat.org  
**Technical:** Mike Doyle AB6QT 760.742.1573  
AB6QT@amsat.org  
**MSh:** Al Donlevy W6GNI 760.630.3096  
aldonlevy@juno.com

Board Mtg. 7:00 pm Wednesday of week following the Club meeting as announced.

## Treasurer \$\$, \$\$\$

Jo Ashley  
KB6NMK @amsat.org  
See me at club meetings for "hard copies" of financial statement(s).

Location	02.28.01	03.31.01
CD179-1311891-8	3,000.00	3,025.35
CD8761216457-6	2,399.52	2,410.71
CD8761216625-9	2,556.74	2,567.73
CD8761216778-6	2,513.86	2,525.32
CD8761391556-4	3,049.16	3,061.00
Checking 010566	4,331.50	3,765.86
Post Office	100.45	103.97
CaSh+CD's	17,951.23	17,459.04
LongTermReserve	9,000.00	9,000.00
Pre-Pd.dues/liab	7,371.00	7,046.00
projects/available	1,580.23	1,413.04

We have \$\$ set aside for emergencies at the repeater site in case of fire or earthquake.

Possible Costs: antennas ~\$750ea; tower ~\$3k; batteries \$?;

Routine: Scope printing ~\$250/mo; Scope postage ~\$65/mo; electricity ~250/mo; phone ~\$50/mo = ~\$615/mo. (Insurance each Nov. ~\$1,100/year)

Under consideration: 6m repeater spare ~\$200; 449.42 repeater spare ~\$100; spare antennas ~\$800; etc = ~\$1,100.

Approved expenses not spent: ~\$100 tent trailer;

### Last month's Scope Helpers:

Thanks to Art and Anita for the folding space and the refreshments. Really great cookies. (the greatest!)

KB6YHZArtNye	&	KB6YHYAnitaNye
W6GNIAlDonlevy		K6MLJimPaquin
N6UZHTerriBrewer	&	MY2KID & Kimmy
KB6NMKJoAshley		KG6AEWBillOwen
WA6YOOHarryHodges		WA5ACESonnyStires
W6HCDNashWilliams		N6OYGVVictorMusil
W9FQNStanRohrer		WA6UTQLarryRueggeger

take the responsibility of getting several net controls to help run the net -Ed)

## President's Message

Allen Maslowski N2DCA@amsat.org  
Time is one of those commodities that all of us wish we had more of, like a good tech stock when the stock market is at a high. Unfortunately we can't buy time like we can buy stock at a decent price. So we have to make the best of what time we have and not try to waste it. There are several things I'd like to mention in this message to all the membership.

One of those things is that spring time is the right time to plan and check all the phases of your HAM shack especially your antenna system which, even-though we don't live in a harsh climate, should be checked for corrosion and wind damage. While you're at it, check that coax cable too. Since the summer we'll all be busy with our family, and other activities that may or may not include HAM radio, springtime is the best time to complete all those little projects that you don't want to do when the weather really gets nice. With my busy schedules at work and at home, I find it nice to be reminded of things that could easily be overlooked or forgotten.

Another item we should remember is Field Day. We can easily run out of time in preparing for this event. This is our chance to practice our skills and refine them for that possible emergency communications event that could be in our future. I know that not everyone thinks of Field Day as a practice event, for an emergency, but rather a competition between rival clubs and individuals. Whatever you think Field Day is it's OK. Because no matter how you think of Field Day, you're still practicing for the day that your communication skills may be needed to serve the community in time of an emergency. Our Field Day chairman is actively looking for people to participate in this event. The PARC event last year was very suc-

cessful. PARC came in second place in the A5 category. So please contact NN3V, Charlie if your interested in joining a bunch of us and having a real fun time. There are still a lot of openings for operators and a lot of preliminary work to be done in preparation for this event. The atmosphere is light and you will gain allot of operating skills and training, not only for an emergency, but also for your own hamming around the bands. Field Day is our chance to have public awareness of Amateur Radio. Since we are all in this hobby I don't have to tell you how important that really is for the amateur community.

To go along with the field day, and the public awareness theme, I would like to promote another event that PARC will be having. At one of our programs, we will have a public awareness night. PARC always encourages guests to be brought to the meetings, but this program will be special. Watch the Scope for the announcement for this special program, 'Bring a Friend Night'. I am trying to get media coverage to be present, and there will be special short talks about amateur radio that night. So if you have someone you know that is interested in amateur radio, this will be an excellent program to invite him or her to come to the meeting with you. Who knows, we might even get more people getting there Ham license and joining in the fun of world wide communications with us.

So remember, don't waste that precious commodity that was given to us. Time is as valuable to life. The average person only has 3900 weekends in their life to enjoy. So lets make the most of them with our family and friends. 73's, Allen N2DCA

## Notes / e-mails

Russ Dow n7dw@pacbell.net

Hi Stan! I am Russ Dow, a former PARC member (1981-84 and 1996). In the 80s I was WA6JCK, and in 1996 KQ6EP. Connie and I have moved north and back and we are now living in Anaheim.

Along the way I picked up *N7DW* as a vanity call. Connie got her Novice ticket in 1986 as *KB6OFI*, later upgraded to Tech Plus, and now she holds my old call, *WA6JCK*!

Tonight I visited the PARC web page and read part of the April SCOPE. I see you need trucks to haul batteries up to the repeater site. I have a Dodge Cummins dualie with camper springs. At 350-400 lbs each, this truck has enough power and payload to carry 10 of those batteries if they will physically fit in the bed.

I would be happy to come down and assist if we can coordinate little details like timing, manpower, safety, etc. (Serious loads require serious consideration, both for the people and the trucks!)

The pleasure would be mine -- I'd like an opportunity to give back to the club. That goes double when I look forward to the prospect of renewing old acquaintances and making new ones.

If you are interested, please contact me. I really would love to help.

## Storms

Larry Ruegseger wa6utq@connectnet.com

This is the moving map display that shows an excellent picture of the storms in movement:

<http://www.intellicast.com/Local/USLocalStd.asp?loc=ksan&seg=LocalWeather&prodgrp=RadarImagery&product=RadarLoop&prodnave=none>

## Del Mar Fair 2001

Barbara Rohrer  
KA6FPS@amsat.org

The Palomar Amateur Radio Club will again operate the SANDARC booth at the Del Mar Fair as we have done for many years.

We will again need 3 shifts per day of 2 operators each shift. Shifts are from 10-2, 2-6, and 6-10. So our requirement will be at least 18 club members although in years past we have been able to get several extra operators assigned each day.

For serving the club in this capacity

you receive 1 activity point and a free ticket to the Fair.

If you would like to participate, please contact me at my e-mail address or hand a slip of paper to my OM, W9FQN. I will give you the exact dates the first of July ASAP.

## 2 Wheelers

Cliff Philip KG6FHP@amsat.org

There are many reasons why people get into HAM radios or ride motorcycles or go fishing. But the underlying reason for many of these participants is that they see their "hobby" as a means by which they can have fun and help others at the same time. That big word "volunteer" has a lot to do with it.

Take for instance, James Pratt (NO8RF). As a RACES volunteer, he keeps himself busy but has this underlying desire to do more. As a member of GWRRA (Gold Wing Road Riders Association), he volunteers his time and talents for Toys For Tots, Southern California Iron Man Competition, Challenge Cup Relay Race, and many other local charities. Wanting to share the fun, he constantly recruits friends and neighbors to join him. Such is the case with ARS. Watch out folks, he is on a roll. James has single-handedly recruited and elmered Cliff Philip (KG6FHP), Rick Hinrichs (KG6FIW) and Edel Albright (KG6FWN) into the fold and has his eye on several other members of the motorcycling community.

Rick and Edel saw an advantage of having a HAM license from another perspective: the American Red Cross. As Red Cross Disaster Preparedness volunteers, communications is omni important and ARS is another tool to be used. The new Red Cross vehicles are being equipped with HAM radios and their new license's will come in handy.

The "bikers" mount their HTs on motorcycles and can be seen driving around San Diego and Southern California. If they aren't volunteering for a specific charity, they can be seen enjoying some beautiful weather and roads. ttfm Kicker, Cliff Philip

## Changing Face

Over the past few years we have seen the face of amateur radio in a "changing" mode.

From 1985 until 1995 the Palomar Amateur Radio Club experienced a rapid upward growth hitting 901 member in 1995. In the year 1996 and 1997 our membership dropped only slightly but in 1998 club membership started a real dive with a leveling off starting in 2000 and 2001. Our membership now is around 530 club members.

Some people feel that cell phones, the world wide Internet, and too many things to do have siphoned off talent that normally would come our way. They are probably correct in this assumption.

We might even add that talking to far off lands has lost its "glamour" in this day and age when we have video games, almost instant news of far off lands, and contact with rockets exploring our immediate universe.

What can we as a club do to reverse this trend in amateur radio and make our hobby more attractive to young and old alike?

## New Uses

During the past few years we have seen some rather extensive use of amateur radio in areas not normally associated with amateur radio.

In the 90's we had members using amateur radio with their hang gliders. Jumping off Palomar Mountain, circling on a thermal up over Palomar Mountain to about 10,000 feet, and then heading off for a landing in the Temecula area. They used it for communications between hang gliders and with the chase ground crew.

Recently we have had extensive use of amateur radio among our hikers here in the club. They use radio for inter car communications, communication with bases at home, autopatches, and simplex between hiking groups when out on the mountain trails.

Recently we have picked up a group of Motorcycle Amateur Radio Opera-

tors. No, they are not the feared Hell's Angles but a group interested in emergency communications.

Of course, we still use amateur radio extensively in the Amateur Radio Emergency Communications Service (ARES), parades, runs, etc.

## EMS Drill

Norm Swanson norm\_swanson@netzero.net

There was a county wide EMS (Emergency Medical Service) drill on April the 12th. Pomerado Hospital was going to be the only hospital involved in the North County for this drill, but at the last minute Tri-city and Palomar hospitals asked to be included.

Each hospital district was to design their own plan (disaster). In the North (Palomar and Pomerado), the plan was for a bus returning from Las Vegas to have an accident on I-15.

At 04:00 AM Station M alerted the ARES duty officer with the cell phone who then alerted the District ARES representative's who then alerted the participants. Fred **K6ISS** with his wife (sorry I don't remember her call sign) manned Tri-City Hospital, and Jo **KB6NMK** went to Palomar, and I was at Pomerado.

We had a form to give the hospital staff to fill out and then transmit the information to the Elks club in El Cajon. The Elks club was acting as the

## Sales Engineer Wanted

We are looking for an aggressive, self driven individual that can work independently. Candidate should have good knowledge of RF and be able to demonstrate test equipment. Engineering degree not required but preferred. Wireless Works is a Manufactures' Representative firm serving the communications industry.

The products we offer include test equipment, standby and solar power, towers, buildings and RF related equipment. Our customer base includes OEM, wireless carriers, telephone & CLEC companies, local city and state offices and broadband companies.

[www.wrlswrks.com](http://www.wrlswrks.com)

Please send resume to:

**Jock MacKaig K6YS**

**Wireless Works**

[sales@wrlswrks.com](mailto:sales@wrlswrks.com)

**925) 838-5530 fax**

County Communication Center. All hospitals used 147.130 MHz with no problems noted.

As each station reported the information, all other stations were to copy all the information so that each hospital would have up to date hospital capability for all concerned. The drill ended about 06:30 AM.

An after action comment was made that we should try to use Packet. This

would give a couple of benefits,

1. I was located in the emergency room and it was distracting to have the radio turned up so that I could hear, and
2. If we had to send names or private information it would be more secure. This will be discussed at the next District Staff meeting. norm **KF6GOF**.

## American Legion

Larry Ruegseger WA6UTQ@connectnet.com

The American Legion in San Diego County has a need for Amateur Radio operators in all areas of the County. In some cases, radio equipment is furnished.

Requirements?

- 1 Must have a valid Amateur Radio license of any class.
- 2 Must be a current member of an American Legion post within San Diego County. Most current or recent Veterans are eligible. Ask me for information on joining.
- 2 Must be willing and able to make The American Legion your first response during Drills and Disasters.

Call Larry/**WA6UTQ** at 760-758-5820, leave a message if no answer. *Amateur Radio Chairman, 22nd District, Department of California*

## See you at Field Day!

# HAM

# RADIO

H  
R  
O

# OUTLET

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

**KENWOOD**  
*of* **CONCEPTS**  
**DIAMOND**  
**US TOWERS**  
**KANTRONICS**  
**YAESU**  
**MFJ, ICOM**  
**BENCHER, Inc.**  
**HUSTLER**  
**COMET**  
**AMERITRON**

**Astron,**  
**AEA,**  
**OUTBACKER**  
**Larsen Antenas**  
**TEN-TEC**  
**hy-gain, Tri-EX,**  
**cushcraft**  
**and**  
**others too**  
**numerous to**  
**mention!**

Drop in to see our display of working equipment.  
Find out about Pkt location determining equipment (APRS).  
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: 10a.m. - 5:30p.m. *Ask about our great prices*  
**Monday thru Saturday**  
**858 560-4900 or toll free 1-800-854-6046**  
**5375 Kearny Villa Rd, S. D.**

**Directions:** On 163, take **Clairemont Mesa Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and **HRO** sign. Be sure to see our equipment in action on **real** antennas.

this net, and no one would suffer. We only keep it going "just in case" it may some day be needed. If anyone with a more urgent need for the repeater time wants it, I wouldn't mind.

It is a victim of general apathy so very common now in most volunteer organizations as well as other communication opportunities such as the Internet and long distance telephone. N6TEP

## Congressional E-m

Since there never seems to be a week that goes by when one of us doesn't mention communicating with someone in Congress, this list of items to remember when communicating with Congressional staff might improve communication.

### Top 10 things they hate to hear!

The Internet holds great promise for enhancing citizen involvement in the political process. However, as with all methods of communication and information gathering, there is a right way and a wrong way to use the Internet in efforts to influence policy. Learn what NOT to do when communicating with Congressional staff.

<http://www.publiceducation.org/resources/topten.htm>

## SANDARC (news)

Sybil Albright [W6GIC@san.rr.com](mailto:W6GIC@san.rr.com)

SANDARC had it's election at the May meeting. The new officers are Chairman:

Mike Maston, N6OPH, Vice Chairman Jack Dobbs, WB6AXW, Secretary Frank Ratty, WA6YWC, and Treasurer Joe Utschig, KM6EK.

Also, the 2002 ARRL Division Convention will be held in Escondido at the Performing Arts Center. This means we will need some of you North County hams to help out. The Chairman of the Convention is John Hudson, **WA6HYQ** and you can volunteer by calling him at 619-469-5991 or e-mail at

[john\\_hudson@oes.ca.gov](mailto:john_hudson@oes.ca.gov).

## Callsigns

Stan Rohrer *Editor* [W9FQN@Juno.com](mailto:W9FQN@Juno.com)

Over the years your editor has had

problems with remembering callsigns. Especially with all of the changes some of our members have made and the proliferation of variations from the old W6 series of calls.

Some spelling checkers will check callsigns and you can enter them into your spelling checker so that if you miss a letter here and there you have a chance to have the spelling checker to suggest other possibilities.

Of course, this does not solve the problem of connecting a name to the callsign ...enter my solution to the problem.

I have started deleting ALL callsigns from my spelling checker but I have started to write identities as - ***W9FQN***Stan with the callsign in caps, italicized, and darker print with the name "jammed" up against the call so that they are associated together in the spelling checker.

This allows me to type in a callsign and the spelling checker kicks up the person's first name.

Unfortunately, in ham radio we tend to know members by their callsign and only their first name which sometimes causes minor problems so for a trial period I am going to jam more information together in an attempt to have the spelling checker kick up more information. So for awhile, I am changing my format from - ***W9FQN***Stan to ***W9FQN***StanRohrer which jams the three items together. I can leave it all run together or go back and separate or delete anything needed at a later date.

## Temp & Forecast

If you would like to have live temperature and forecast data, as well as watches and warnings placed on your tool bar, go to:

<http://www.weatherbug.com>  
and download their fine program.

**FD Needs your support: trailers,  
motor homes, generators, .... and**

**YOU!**

## WWW

100 Plus Short-wave Stations broadcasting in English

<http://ac6v.com/antprojects.htm>

How High should my Dipole be?

<http://www.qsl.net/aa3rl/ant2.html>

Vertical Antennas - Dirty Little Secrets 1 and 2 - From Butternut

<http://ac6v.com/SWL3.htm>

Emergency Communications Training Section -- A Must See For Emergency Trainers -- Emergency Preferred Reading List -- Training for Proper Operating -- Emergency Ops & Communications Training -- Disaster Causes -

-Emergency Management -- Search & Rescue -- ARES, Mars, NTS Lists

<http://www.area-ham.org/library/libindex.html>

73 From Rod AC6V In San Diego

700 Ham Topics & 6,000 Links

<http://ac6v.com/>

## What Time?

All times are in PST. To synchronize your watch, call 619-853-1212 to get the correct time to the second.

## SDCo Traffic Net

Charles Miele N6TEP [cmiele@Juno.com](mailto:cmiele@Juno.com)

Traffic net proceeding on reduced schedule 3 nights a week: Tuesday, Thursday and Saturday. Participation low. Few messages. Mostly done by 4 or 5 regulars: **N6TEP**, **KD6YJB**, **KT6A**, **KE6IQQ** and maybe 1 or 2 more from a list of about 20.

Messages mostly of a general nature, such as congratulations on new call.

Many without phone numbers and undeliverable. No training for the few experienced participants needed. Some regulars have packet capability and have hard copies of messages ahead of net time. Distribution of messages therefore mostly a matter of assignment only.

Given the general lack of emergencies lately, PARC could well do without



# For Sail

(04.19)Swan Mark II amp 2kw pr of T-500Z's new pwr supply \$400; **Kenwood** TS520 new finals \$175; **Rohn** Foldover 54' twr w/HighGain 5el mono beam & **Telex** Tail Twister Mod T2x rotator plus 150' of RG8/U \$400: Paul W8VDH 760-726-5007 Vista.

(04.09)Manuals for all units - **Kenwood** SN-50/sw-100 Power meter \$ 30; **Kenwood** TM-241A, 144 mhz mobile transceiver 125; **Mirage** B108 2 meter amplifier 10w/80w 100; **Alliance** HD-73 Heavy Duty Rotator, control box, Cable, 8 element **Hy-Gain** Beam 2 meter Ant. Push up Mast all only 75; **Daiwa** CS-201 coaxial switchs. 4 mounted on a panel to switch between 2 radios and 2 antennas \$20 each or all 4 mounted only 60; **Ringo Ranger** ARX2B- 2 meter antenna with push up mast & Tri-Pod stand 50; **Astron** RS 35M Pwr supply w/meter 90; **AEA** PK12 packet controller, with programs 40; **Valor/Procom** ¼ wave Mag. Mount Ant. New 15; Radio Shack Speaker for telephone 5; **Wil-**

## PALOMAR ENGINEERS

Box 462222, Escondido, CA 92046

### TOROID CORES

Palomar stocks a wide variety of cores and beads. Our RFI Tip Sheet is free on request. Our RFI kit keeps RF out of your telephones, TVs, stereo, etc. Model RFI-4 \$25 + tax + \$6 to ship.

### BALUN KITS

Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160 m).



**Model BA-58** (for RG58, RG8X & similar cables up to 1/4" dia. \$7.50 + tax + \$6 S&H/order

**Model BA-8** (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

### TUNER-TUNER

Tune your tuner without transmitting. Save that rig! Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You have a 1:1 SWR.

Model PT-340 \$99.95 + tax + \$6 S&H

See catalog at [www.Palomar-Engineers.com](http://www.Palomar-Engineers.com)

Please check our complete ads in **QST**, **73**, **CQ**, and **World Radio** magazines.

**Personal equipment ads** are free to members and could be "bumped" after 3 mo. Make up your ad like the ones below and send to Editor, **W9FQN**, 30311 Cir. R Ln, Vly. Ctr. CA 92082. (**W9FQN@Juno.com**) before the 20th of each month.

**Commercial Ads** in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. **W9FQN@Juno.com**

son Mag. Mouny Ant. Base only 5; **AEA** AC-1 / DIA-4812- 120vac/12vdc- 1 A- 60 HZ Transformer NEW 15; Shinn FU I-6001 12vdc Recharable power sys. Portable 5; GE. Casset Recorder, 3-way pwr 10; Pwr strips 120vac \$5: Al W6GNB, ulrich525@aol.com. Fax (760) 741-5268, (760) 741-1840, Esc.

(04.06)**Datsun-Nissan** pickup 1970-84 repair books real cheap!: Stan W9FQN @Juno.com or at meetings 760-749-0276.

(03.20)**Kenwood** TS-450SAT HF Rig \$500; **Kenwood** TS-60 6m All Mode \$500: Rod AC6V 760-945-6050 ac6v@amsat.org Ocsd.

(03.15)**Telex** 50' crankup on ground, rotator, **Hy-Gain** 3el triband beam, coax cable, **Yaesu** FL-2100B linear, misc, \$300: Art K6HU 619-697-1538 S.D.

(02.19)**Drake** MN-4 300 Watt Antenna Tuner \$95; **Alpha Delta** DXCC 80-10m shortened dipole \$40; **Astron** RS4A P/S \$20: Herb - KO6Z - 760-736-4095

(02.18)Ham radio station (complete) w/**Yaesu** F"T-1000D with antennas \$4,500; (best offer for following) MDIC8 **Yaesu** mic; **Alinco** DR1200T data radio; **Packrat** PK-232MRX data controller; **Time Wave** digital noise filter; **MFJ**-422BX **Bench**er paddle keyer; **Bench**er Iambic paddle, **MFJ** Versa Tuner 989C 300w; **Tektronic** 454 oscilloscope with probe; 12v **Micronta** Reg 12v P/S; **Eico** DC Reg 0-30v P/S; **Astron** 12v P/S RS20A; pkt cluster guide: Erwin AB5XE 909-301-8823.

(02.07)**Kenwood** TS-440S HF xcvr;

## Reaching Amateur Radio Operators for Christ

Reaching Amateur Radio Operators for Christ meets each Sunday at 7:00p.m. on 147.270. All HAM operators are welcome to drop in and share scripture or just listen. **KF6VHA**

**Astron** RS20 A pwr; **MFJ**-949E ant tuner; Mike & manuals \$700:Oliver W6UAL 940-4274 Vista.

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1,535

(02.07)1kw in dual Bud cabinet 5'9x41" panel space 2(61"x19"), 4-plug-in coils 80, 40, 20,10, variable & fixed caps, uses 2 Eimac 4-250's, switch class C or linear B, separate supplies screen, neg bias, control panel variac, push start, run a & off, breaker on hi-volt supply, indicator lights, pwr/VSWR URA27 panel, HV pwr supply 4000v @ 0.5A (variac ctrl); other side of rack class B modulator 600 watts, pr 810's drv pr 6B4's with 5u4 supply & VR75 reg, separate hi-volt supply 4,000v @ 0.5A, 37"x19" open space available: **WB6BKR** John 858-454-4833 gehmansr1@juno.com **WOW!**

(12.14)**Heath** VTVM w/RF probe/manual \$35; **KW** SWR(separate sensor/meter) \$25; Selection heavy duty switches, coils & var. condensers for **KW** project; **MAC Performa** 630CD w/monitor, 56 modem, printer, scanner, lots of software/handbooks offer?; 2 **ANTIQUES** for bids (Circa 1925 **Magnavox** audio Fq. Amp. Type AC3, Mod. C, No.2236 using 3 type 01-A push-twist tubes, external 'A' & 'B' batteries; Circa 1933 **Heintz/Kaufman** Ltd San Francisco Radio receiver regenerative type 900 # 113, 3800-23000kc, US Patents 1,507689-1,907,806 \$400+): Larry W6LCT Vista 760.724.9996 B4 5pm or 7-9pm daily.

(12.10)**Siltronix** 1011B Transceiver \$150; **Palomar** Messenger 2V Linear \$50; **Siltronix** PM-15 /w Spec. Watt meter \$40; **Realistic** CB Base W/SSB TRC-457 \$100; **Big Stick** Antenna \$35; 2 meter **Ringo Ranger** antenna \$50; NO RESONABLE OFFER REFUSED. For more information call Dave @ (760) 7275560, E-mail wb6dav@juno.com This gear is from an estate sale and all is believed in good working condition in San Marcos.

Jeff N6FRW

Grace N6WPA

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(9-19)N6OLE Home made Grid Dip Meter with docs, must see to appreciate this work of art(Best Offer); Sears **ROAD-TALKER40** SSB XCVR \$50; military throat mic + headphones BO; Precision "Steel Six" lab mtrs. \$5 ea; Proximator I vehicle det. \$2; **Olson** CB067 Swr Mtr. \$3; Keithly Auto R. Mtr. \$15; Motion Det. Solfan 5240 \$5; 25v.3A Reg. Pwr Sup \$20; Sabetronics Freq. Cntr mod. **8110A** \$20; **Healthdyne** Lab digital thermometer mod. 2000 \$5; call AB6QT at 760-742-1573 after 5pm.

**WANTED:** (A few good men/women) ☒

(04.21)Wanted: **Cushcraft** R5000 1/2 wave vertical antenna or equivalent for experimental purposes. Warren--W6EYP--(760)744-5097 or e-mail, W6EYP@juno.com

(04.20)Wanted - **Kenwood** TH-27 or TH-78 HT, any condx batteries OK; Logi-Key K-1 Keyer Dennis N6KI 858-271-6079 or n6ki@amsat.org

(03-19)Wanted: replacement Power meter for **Yaesu** FL-2100B linear for disabled Romanian Ham, any help greatly appreciated: Mark KD6TB (858)485-0513 or KD6TB@hotmail.com.

(3.10)Wanted: CTCSS board something like a **TE-32** or **64** for older radio: Dave WB6DAV@juno.com San Marcos (760)727-5560.

(02.25)Wanted: **C.W. keyboard** for ham xcvs: Paul 760-726-5007 Vista.

**Grab Bag at Mtgs.**

At the next club meeting **W9FQN** Stan will have some more of the club's buckets of valuable junk at a table near the right wall (at least it is not the wrong wall:) small parts, radio books, magazines, HT belt holders, etc. Some items are priced 4/\$1 and other buckets 2/\$1.

**Estate KG6AMQ**

1. Yaesu YS-60 1.6 - 60 MHz Power & SWR Meter. Meter has 0 - 2 Kw power handling capacity. Mint condition. \$140
2. ADI AT-301 2 Mter handheld transceiver, with wall battery charger and speaker-microphone. \$100
3. MAHA MH-301 handheld docing station linear amplifier. 1 Watt in / 50 Watts out. This docking booster is an ideal companion to a handheld transceiver that is to be used as a mobile rig. \$50
4. VCI V300M 300 Watt HF ant. tuner. \$85

5. Yaesu SP-767 speaker and phone patch. Ideal for use as a phone patch and external speaker for any HF rig. \$80
  6. Radiallarsen 2m glass mount 1/2 antenna \$40
  7. MFJ-557 code practice oscillator and straight key. \$20
  8. MFJ-1702C A-B coaxial switch. \$20
  9. Van Gorden HI-Q 1-1 Balun. \$20
  10. KB6MT High speed code course (3 cassette tapes & manual). \$15
  11. Technician "No-Code Plus" FCC license preparation course. 3rd. edition. Question effective through June 2001. \$5
- All prices are negotiable to best best offer. If interested contact NN3V at 619-686-5607, or via email at NN3V@amsat.org

**Nothing = Something**

Sometimes 0's (zeros) are important to us. Sometimes very important!

You editor loves zeros in some cases and hates them in other cases. He knows that zeros are a counting number and really stand for "nothing" although sometimes nothing is something that is extremely important to us.

For example, if I ask you to make an item for me 10 inches long, I wonder just how long you would or could make it and is there a difference between making it 10 inches long or 10.0 inches long? Does the "0" at the end really mean something? Suppose I asked for an item 10.000000 inches long. Would that item cost more to make than an item 10 inches long?

Well, the point is that zeros sometimes can be very important and the cost of making an item 10 inches long will be less expensive than the item which is 10.000000 inches long which would probably cost you a bundle of green stuff. So Zeros can be important.

And how about your pay check. If zeros mean nothing, then you would probably object if your pay agent added zeros to you paycheck changing it from \$550 per week to \$550000 per week which of course has added a lot of "nothing" to your salary?

Hey, guys, when you send ads into the scope, please do not list items as - \$55.00 or \$67.00. Those zeros really do add "nothing" to the price, take up space, and force me to go through your ad deleting all the "nothing" zeros (.00) along with the decimal point. Thanks for nothing! Get the point?

**Committee Chairmen**

(as of Sept '99)

ARESinfo	-Dennis S	K7DCG@amsat.org
Attendance	-Stan R	W9FQN@amsat.org
ATV	-Bills KB6MCU	W6GIC@amsat.org
Auction	-Ted W	KD6BFI@amsat.org
Badges new	-Al	W6GNI@amsat.org
	old -John T	W6OLQ@amsat.org
Batteries	-David KD6EY DAT@Gerry.Palomar.caltech.edu	
BBSMonitor	-Bill B	N6FMK@amsat.org
Billing:Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul KF6VIE	pdceicco@pondlaw.com
	& -Ron RWA9JCL	r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps	-filled	W6NWG@amsat.org
D.Mar Fair-Barbara R	KA6FPS	Tennis42@Juno.com
Emergency QTH's	(Emergency Com. Centers)	
	HarryH -W6YOO	W6YOO@amsat.org
	DennisV -N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
	FDTech. -John K	WB6IQS@Juno.com
Historian	-Stan R	W9FQN@Juno.com
Interference	-BillS KB6MCU	W6GIC@amsat.org
Inventory	-Dennis B	dennisKD6TUJ@juno.com
MtgGoodies	-Jim E	Whisky6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-Stan R	W9FQN@Juno.com
Newsletter	-Stan R	W9FQN@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-Stan R	W9FQN@Juno.com
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Marsh P	W6SAX@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Charlie R	NN3V@ARRL.net
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag-	W6HCD	NashWilliams@Compuserve.com
Rptr Site	-Stan R	W9FQN@Juno.com
Rptr Skeds	-Stan R	W9FQN@Juno.com
SANDARC	-Sybil A	W6GIC@amsat.org
	-Bill S KB6MCU	W6GIC@amsat.org
SellerTable	-John K	WB6IQS@Juno.com
AstSWDivDir	-Walt	WA6ODQ@arrl.net
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuncDancer@worldnet.att.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG	-Mike D	AB6QT@amsat.org
Web Site	-Frank L	KE6WOF@amsat.org

**(Net Managers)** (see pg.12)

ARES Sun	-Stan R	W9FQN@amsat.org
Staff Net	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-Mike D	AB6QT@amsat.org
	-David D	KC6YSO@amsat.org
Hiking	-Ed	KF6DXX@Juno.com
	-Glenn P KE6ZLY	KE6ZLY@Juno.com
MARA	-Cathy KE61QU	W6NWG@amsat.org
Microwave	-Kerry B	N6IZW@qualcomm.com
Off Road	-Jerry A	jwsk6pfp@cts.com
	-Dick W KA7AYT	rwlimek@home.com
Traffic(SDCTN)	-CharlesN6TEP	cmicle@juno.com

**Names** in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to **W6NWG@amsat.org** or P. O. Box 73, Vista, CA 92085-0073.

## Repeater Status 04.22.01

146.730+ : Normal, mixing noise?  
147.075- : Normal, no problems  
147.130- : Normal, no problems  
147.000- : Using emergency repeater  
52.680 : Normal to prob. unknown  
146.700- : Packet Repeater Normal  
145.050s : Packet Digi Normal  
PALBBS : Bulletin Board Normal  
**AutoPatch: Problem not found yet**  
ATV : No observed problems(?)

## Work Parties

May 6th Regular Site Work Party  
Jun 10th Regular Site Work Party  
Jun 22nd Field Day setup VillyCtr  
Jun 24th Field Day takedown V.C.

## Work Parties *(trabajo)*

*(General workparties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)*

**Next general workparty:** the first repeater site work party of the year will be May 6th. There will be no tower work. This will be a clean up the site party and planning the summer work. We do have several minor projects.

New club members should consider coming to some of the repeater work parties to see the equipment we operate.

We meet at the top of the mountain (S7/S2) in the parking lot in front of Mother's Kitchen at 10:30. Bring water, lunch, sun screen for a day of beautiful Palomar Mountain weather.

(03-08) **AB6QM** Mike at site to do some SWR tests during dry conditions.

(03-21) **AB6QT** at site to repeat the same tests under dry conditions.

(04-02) **AB6QT** swapped out the 447 repeater with the spare, check some things on the Autopatch with **W9FQN** and then did antenna SWR tests again only with wet conditions present.

(04-??) **W9FQN** Stan on the first visit picked up patch items (regen, 2 receivers) for work and on second visit returned them. Still does not work! **WB6FMT** and **KC6UQH** worked on them and found nothing really wrong with the items.

## Technical, autopatch, repeaters, etc:

**AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)**

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## Area Codes

It is somewhat difficult for the club to keep track of all the proposed area code changes but recent information indicates that the 619 area is being split apart into 619 and 935 starting in this June.

If that is true, then there are going to have to be a large number of changes to the data which is in the autopatch computer.

We will have no way of knowing if your phone ends up in the 619 or the 935 area unless you tell us. It would be a great help if you receive info from Pacific Bell about changes, if you would call them to our attention along with any prefix listings which they send to you.

## 447.000

The 447 XCVR that I took out of service on 4-2 has an intermittent problem in the last stage of the exciter which shouldn't take me long to find once I get to it. I have finally caught it in the act of failing while I was at the site.

Also, the 447 is now on "short term" battery backup so during power failures it will at least work for a little while

depending on traffic etc. 73 de AB6QT

## Electric Bills

Subj: History SDGE bills past 16 mo  
Date:3/1/01; From:  
KR121454@exchange.SanDiegoCA.NCR.COM  
(Ronchetti, Keith)  
To: PalMtnNews@aol.com

Would you like to know the details of your electric bill? If you want the info on your energy usage and charges from SDG&E, here's what you do:

Obtain your meter number off an SDG&E bill. Go to <http://www.sdge.com/residential/savemoney/energywaves/index.html> to register.

In 7 to 10 working days you will receive a letter with your password. Go back to the web page to Sign On.

It is interesting to see your usage changes from month to month. Now, try not to get to upset about the increase in cost of those kwh's you are using.

## Q and A's

**Q.** Several discussions on the meaning of the "P" on the IDer. Is that for "On Battery", "Was On Battery", or is it

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for "Processor Reset". Does a "P" mean judicious use of the repeater is in order? Just curious.

A. normally a P indicates that for some reason or another the repeater has switched to emergency power at some point in the past.

If you hear a P it means -

- a) at some time in the past the repeater was on emergency battery power
- b) the repeater could still be on emergency power but the P does not indicate that fact
- c) the P will remain until the control operator for that repeater resets the repeater controller
- d) a pulse could have "sneaked" into the controller setting off the P and the repeater NEVER was on emergency power. We have suspected this possibility and have tried to eliminate this potential problem.
- e) if you really want to know if there is AC power in the building, listen to a conversation on 147.075. If you hear a beep DURING the transmissions (not end) every few seconds, then the building is on emergency power and we should probably limit our transmissions to conserve power.

Unless there is bad weather, most outages at the repeater site generally do not last more than a few hours and with our large supply of battery backup, we probably can use the repeaters in a normal fashion.

We will be adding 24 brand new 400 pound 1,680 AHr batteries to the site by the end of next year which should take care of emergencies and any "rolling" blackouts or brownouts..

*(The PARC technical staff welcomes any questions you might have about our repeaters and their operation. The above question came from AC6VRod via e-mail after some discussions on the 146.730 repeater -Ed)*

## Power Line Noise

*(copied from several e-mails)*

I have a neighbor that has power line noise in his 10 meter rig. I sold him a Radio Shack 12 band receiver he wanted to try and locate the noise.

Well, he found the noise and I asked what could be done about it, this is a copy of what he said. I thought it might be of interest for the Scope as a reminder and fill in if you have extra space.

*(reply copied)*

Yes, they will come out and look at it for you. Often the problem is simply loose hardware on the pole. They can tighten it, and they have special hardware they can add to keep things tight. Sometimes they wash dirty insulators. But the real problem is locating the noise.

They have a van with lots of receivers and antennas, and they can drive around and try to find the noise. But they have to make scheduled trips and if the noise isn't present when they arrive, there's no way to find it. So some hams use a portable short-wave receiver to locate the noise themselves. If the ham has a good relationship with the SDG&E radio interference department, the company will often send out a crew to fix the pole based on the ham's locating it.

*(This is a follow up e-m on the line noise)*

The radio interference guy at SDG&E is Paul. He is very friendly and helpful. He can be reached at 858-581-7581. Anyone with line noise should not hesitate to give him a call.

## Documents Needed

The Radio Club at our Veterans Home has some fine donated equipment, but without manuals. If you have any to sell, please do contact and let us know the details.

Specific needs....owners manuals and service/repair docs:

- IC-730 Transceiver
- IC-PS20 Power Supply
- IC-03AT HT
- IC-02AT HT
- Kenwood SWC-2 Directional Coupler
- Kenwood TR-7950 2m Transceiver
- Kenwood 3SW-2000 SWR/Pwr meter
- Kenwood TS-940S HF Transceiver
- Kenwood TC-922A Linear Amplifier
- Uniden Model 3 BC100XLT scanner
- Radio Shack HTX-100 10m scvr

Tnx & 73....Allan Chapman  
W6MEO, PO Box 1200 100

California Drive, Yountville, CA  
94599 (707) 944-1322,  
a.k.chapman@iecc.org Packet MBX:  
W6MEO-1 145.03 MHz

*(Note: This is the State of California Veterans home at Yountville in Northern Calif. For many years it was the only Veterans home in the entire state.-Larry WA6UTQ)*

## Packet Files

Paul Liesberg pliesberg@jvwnet.com

Text files are probably the most versatile files available. They can be faxed, transmitted over the air or imported into most modern day data bases where they can be sorted and searched.

A problem arises when the lengths of items in a text file vary. For example, if you were accumulating a list of names of survivors of a disaster such as an earthquake, how much information would you need to collect? I assume you want to know the Last name, First name and Middle initial of a survivor.

If everyone stuck to this format there would be no problem. But, if the very first item of the file contained 5 columns instead of three, the remaining file would probably be useless for sorting and searching.

So, is there a format for accumulating and logging lists of names of survivors?

*(Can anyone comment on Paul's Question? -Ed)*

## 65 Years Cake

The two cakes at the February Anniversary meeting came from Price Club. Some additional decorating by W9FQN had to be done on the spot to correct several deficiencies in the PARC insignia.

## Freeware

*(Stan, this is freeware and it is very good! 73, Marsh)*

"Gary McDuffie, Sr." wrote:

For those not wanting to give away State secrets to Yahoo, I've acquired the MMSSTV file and placed it on qsl.net. I'll clean up the page a bit and give some credit when I have time this

evening. For now, it is simply a download link. [www.qsl.net/ag0n/mmsstv](http://www.qsl.net/ag0n/mmsstv)  
73, Gary, ag0n at arrl dot net  
<http://mcduffie.ws>

## Contests

**Harry Hodges** [W6Y00@amsat.org](mailto:W6Y00@amsat.org)  
May 5 MA, CT, NV, OR, IN QSO Parties  
May 5 Italian DX Contest, All Modes  
May 5 Volta (Italy) RTTY Contest  
May 12 Russian DX Contest, CW & SSB  
May 19 European Spring Sprint, SSB  
May 19 Lithuanian DX Contest  
May 26 CQ WW WPX Contest, CW  
Jun 2 All SA DX Contest, CW  
Jun 9 Portugal Day Contest, SSB  
Jun 9 Sweden DX Contest, SSB  
Jun 9 ARRL VHF QSO Party

Something here for everyone. Multiple state QSO parties to help you with WAS. The CQ WW WPX CW Contest for DXCC and prefix chasers. There's even a couple for SSTV & Packet QSOs. Rules are to be found in QST, CQ, NCJ, and Worldradio magazines as well as numerous web sites. CU in the Contest! 73, Harry, W6Y00

## FD Work Party

Ah, after a dismal Saturday featuring New England spring weather (hail throughout the county, snow on Palomar Mt.), Sunday rose bright, crystal clear, and crisp.

With snow on the mountains to the north, at 8:00 AM on Sunday, April 22nd, the PARC Road Kill cafe made it's debut for 2001. The gourmet aromas at the FD site were enticing, as Chef LeMark (KF6WTN) with his able bodied assistant Jessica dished up nothing but the finest made to order omelets (with your choice of cheeses, mushrooms, peppers, onions, and chopped meats), flapjacks on the grill, fresh sausage patties, and the worparty's choice of beverages.

**WHAT A WAY TO START A FD WORKPARTY DAY!**

Following the repast, KD6TUJ (Dennis), KR6BT (Merle), WB6IQS (John), KF6BFI (Ted), NN3V (Charlie), KF6WTN (Mark), N0CALL (Jessica), and Menchie "turned two"

with the HF beam tuning.

All the beams for FD are now resonated at peak operating efficiency, and several other antennas were "peaked" and left ready to roll.

What a perfect day to be a ham and enjoy the camaraderie, humor, and a bit of technology learning that can only be accomplished during a fine workday on our hobby.

If you believe you missed a great chance to have fun, learn the hobby, and get your hands "dirty" on the nuts and bolts of ham radio, YEP YOU DID!

But fret not. There are two other FD workparties planned before FD.

And, if all you have time to enjoy is FD proper. Well, do not despair.

FD is 23 - 24 June. Starting Friday 22nd. the PARC FD site will be a buzz with activity, and YOU ARE INVITED.

Come join the fun and work one of the bands with the PARC FD team. And above all, plan on attending the PARC FD "pot luck" picnic on Saturday June 23rd.

The world famous PARC Road Kill Cafe (winner of the Y2K IOOK Best FD Food award) will be dishing out the finest FD food available this side of the Mississippi, including the midnight "10 alarm chili cook off". The club provides the basics (hamburgers, hot dogs, and chips), and all the Road Kill Cafe asks is that you bring a pot luck dish to share with the crowd.

Picnic starts at 5:00 PM Saturday, June 23rd.

Please contact NN3V at 858-676-3307 or [NN3V@amsat.org](mailto:NN3V@amsat.org) if you desire more information. **SEE YOU AT FIELD DAY!** 73 de NN3V

## Pictures

The picture on page one is of Cedar Creek Falls where a group of the

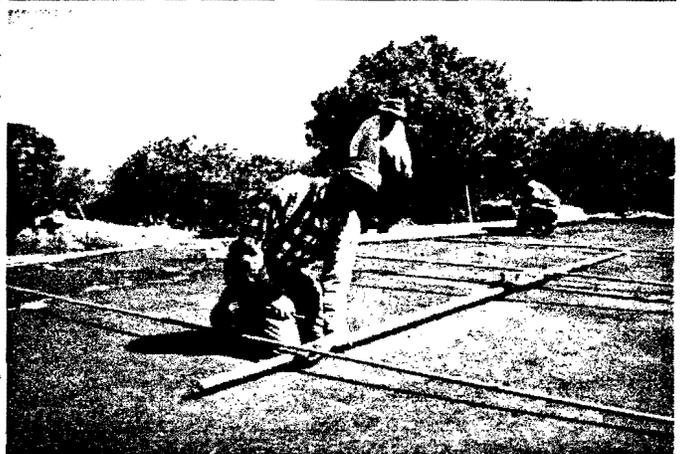
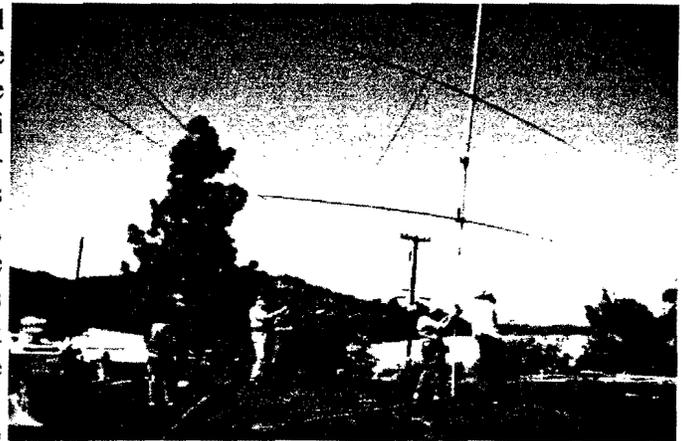
Hiker's Reflector and Friday evening Hiker's 9 PM Net hiked to a month ago. The falls are located about 10 miles South of Julian and are about 100 feet tall.

On the hike were **KF6BFI** Ted, Menchie, Robin, Eugenia, **W6GNIA** Julie, **W6VR** Bob, **WD6BEZ** Judy, **KE6ZLY** Glen, **KA6FPS** Barbara, **W9FQN** Stan. If you are interested in hiking with the group, contact [W9FQN@Juno.com](mailto:W9FQN@Juno.com) or any of the above mentioned amateurs.

The 4.22.01 FD workday party pictures show the putting together of a beam (**KR6BT**, **KF6BFI** & Menchie)

The group tuned the beams firing directly up into the sky for minimum ground coupling problems (Menchie, **WB6DAV** David, **KR6BT** Merle, **KF6WTN** Mark, **NN3V** Charlie, **KF6BFI** Ted with **KD6TUJ** Dennis, **WB6IQS** John and **W9FQN** Stan out of the picture.

## PARC needs your body! (at Field Day)



## PARC NETS (04/00)

All 147.075 10-11pm MCW contacts

All 147.130 2130+ pm Facitious Group

Sun.146.730 8:30am AREmergency Service

Sun.147.075 8:45pm MARA Net

Mon.146.730 7:15pm RACES sub Net

Mon.146.730 9:00pm Microwave Net

Tue.146.730 8:00pm Traffic Net (SDCTN)

Tue 146.730 9:00pm Off Rooding Net

Thu.146.730 8:00pm Traffic Net (SDCTN)

Thu.146.730 9:00pm Ham Help Net

(electronics, computers, antennas, license theory, etc.)

Fri.146.730 9:00pm Hiker's Net

Sat. 146.730 8:00pm Traffic Net (SDCTN)

Sat. 52.680 8:00pm 6m ARES Net

**POSTMASTER:** Send address changes to Scope, P.O.Box 73, Vista, CA 92085-0073 (also on page 1)

## Time Dated Material



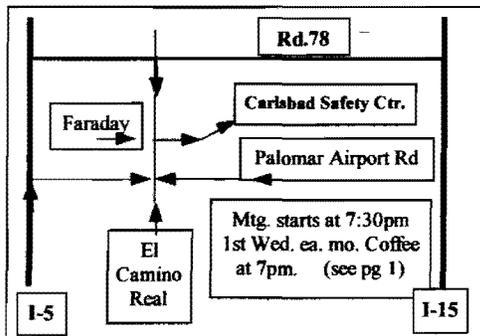
KF6BFI & KE6ZLY



Menchie & ???

May  
2001  
pg.12  
-60-  
1,540

Periodicals  
Postage Pd.  
at Vista CA  
92085-9998



# cover me!

*Fold, I am old and cold, I am told!*

## PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

## OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWX)

PARC Trustee of W6NWX: AB6QT

\*52.680- W6NWX, -0.5 MHz

Autopatches(4): 146.730-, \*147.075+

\*147.130+, \*447.000-

PKT: 145.050s (PALMAR/W6NWX-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWX-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

Intercom: 146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94- KK6KD(HARS)

\*447.05- & \*145.26- KK6KD(HARS)

\*146.175+ N6FQ(FalbrARC) linked

to \*445.600 MHz (-)

\*224.90- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

\*=107.2 Hz

## Pg. NEWS WORTHY

- 01 Club program; Events; FD; photo
- 02 Board Mtg.; AGOGO; Last; Goodie; Badges; New members; SailorNet; Board Mtg.
- 03 Officers; Treas; PresMsg; Storms;
- 04 DelMarFair; 2Wheel; ChangingFace; NewU
- 05 EMS Drill: American Legion: WWW
- 06 What Time;; SDCo Traffic Net; Congress e-m; SANDARC; Callsigns; Tem & Forecast
- 07 For Sail; Wanted
- 08 Grab Bag; Estate KG6AMQ; 0=Something
- 09 Work parties; 447; PG&E Bills; Q and A;
- 10 Line Noise; Doc's needed; Pkt Files; 65 year Cake; Freeware
- 11 Contests; FD Work Party; Pictures
- 12 You are looking at it!

(do you always read the fine print?)  
and even this?

## Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>

## Repeaters in Use

Please schedule special repeater use at least one month ahead of intended use with W9FQN:

## PARC 2001 Calendar

May 2001 -

02 Wed, Club Mtg. 7:30pm, Carlsbad Safety Ctr

09 Wed, Board Meeting W9FQN QTH

12 Sat, PARC Testing, Carlsbad Safety Ctr

(more fine print)

## Join the ARRL

### see KB6NMK

**PARC Testing** - tests given each 2nd Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty AA6OM at 760-747-5872 or at

[DuneDancer@worldnet.att.net](mailto:DuneDancer@worldnet.att.net)

**Register 5-7 days in advance for tests.**

**Escondido Testing** - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N. Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.



# Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Jun  
'01  
pg.1  
-61-  
1,541

also ATV & 4  
autopatches

## Palomar Amateur Radio Club Inc.

Scope (USPS #076530) Vol. XXVII No. 6, Jun. 2001, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085.

Dues \$12/yr or \$21/family/yr (includes newsletter subscription, \$3 in SDCo. & \$4 out of SDCo.)

Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

**POSTMASTER:** Send address changes to SCOPE, P.O. Box 73, Vista CA 92085-0073.

See pg. 12: Contents, Club Calendar, Repeater Use, PARC Frequencies, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

## Club Meeting

Charlie Ristorcelli NN3V@amsat.org

(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

### May 2001 Program-

This month is going to be an occasion to "mix it up" a bit. After all, variety is the spice of life.

First off, **KD6DFW** (Lesli) is going to show us an innovative and effective homebrew desk mike.

Then, it seems not a day goes by that someone on the hambands somewhere, makes a wish to go to Dayton. Ah yes!. The Mecca of Hamfests. Well, direct from the Hamfest Capital Of The World, we will enjoy a picture report of the Dayton 50th. Anniversary Hamvention!. Imagine that, 50 years of hamventions and the tales that go with them.

Not satisfied yet that this will be interesting?.

Well, always in the search of things that may makes us a bit more knowledgeable of our hobby, our program coordinator has noted that many of you comment and discuss the "new digital modes" with a sense of wonderment! Ahhh!, the mystery of all those "new modes".

So, put your thinking caps on, write up your questions, and come and see "The Demo".

Our very own **KF6WTN** (Mark), and **NN3V** (Charlie) will have a LIVE demonstration of the digital modes (PSK-31, MFSK-8, MFSK-16, MFSK-32, BPSK, QPSK ..... ) operating HF "semi-mobile" from the Carlsbad Safety Center. Wide screen projection will make it seem like you are surfing the ether! The mode fundamentals will be discussed, live copy and QSO's will be made, and questions and answers will be provided to those interested in this fascinating new aspect of our hobby.

So come and enjoy a lively evening of fun in our hobby. And as always, remember that the food emporiums of

Carlsbad always have a repast of goodies to enjoy before the PARC meeting. Come out, get on the repeater and find where the gang is congregating, and enjoy some socializing at dinner before the show!

*See F&D Plans pg.3*

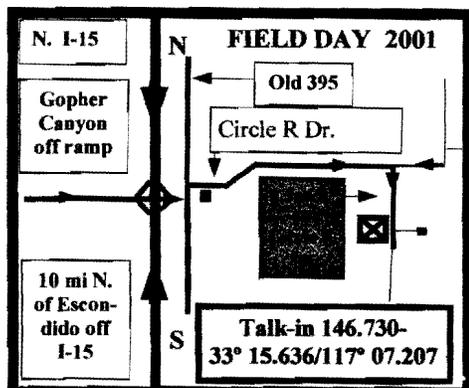
## Coming Events.

Jun.06th, Wed - Club Meeting  
Jun.09th, Sat - VE testing Carlsbad  
Jun.13th, Wed - Board Mtg.

## Field Day "Site" Rules

These are the rules adopted by the PARC Board for the 2001 Valley Center 16th Field Day site and are essentially the same as last year:

- \*\*Keep all noise to a minimum, especially at night (yelling, generators, etc).
- \*\* Park out of all road ways. Do not block traffic at any time. If possible, back into assigned parking areas.
- \*\*Use only approved bathrooms at the site: There will be a portable toilet by the mail boxes near the entrance to the fenced area.
- \*\* Always talk politely to site neighbors and invite them to observe our Field Day emergency exercise.
- \*\* No towers erected except in the presence of **W9FQN** who is PARC's representative in charge of the site.
- \*\* No stakes are to be driven into the



**July 4th meeting  
to be held on  
July 11th!**  
so that our members can go forth to  
celebrate the Fourth!

ground except in the presence of **W9FQN** (water lines -Ed)

**\*\*Only non-alcoholic beverages** can be consumed on the site due to safety and insurance regulations (club & site rules by owner(s)).

**\*\*All PARC Field Day items must be returned** at the end of FD to the club's storage container properly marked for the bands on which they were used.

**\*\*Please do not pick any fruit.** Some of you will be in a commercial grove.

**\*\*Problems** will be immediately reported to the Field Day Chairman and/or to **W9FQN**.

It needs to be remembered that PARC is using land that does not belong to them and we need to follow guidelines set down by our By-laws, insurance requirements, and local site rules of the land providers. (We are required by one of the land owners to publish these rules and to provide them with a copy of our insurance papers -Ed)

This will be our 15th year at this Field Day Site. See **Safety Rules** on page 8.

## Last meeting (not quite)

The April meeting was a great meeting with **AB6QT** Mike Doyle taking us behind the scenes with many pictures of the Palomar Observatory where he works.

Mike also gave us some history of the telescope and told some interesting stories about its construction which lasted from 1936 until 1948.

Attendance was 88 with 6 guests and a good time was had by all.

## Goodie Table

"Goodie" donations came from **KD6ECD** Barbara Doyle (3 dishes), **W6ABE** Ed and **W6SST** Jim. You receive an extra activity point for your generosity.

**W6SST** Jim Egerton & **KD6TUJ** Dennis Baca took care of the Goodie Table and we certainly do appreciate their efforts in getting the coffee and goodies around for us to sample.

## Long AGOGO (history)

**WA6KZN-K6HAV-KI6JM(sk)-W9FQN**  
(The purpose of AGOGO is to recall info on file in previous editions of the Scope -Ed)

(06-00)...**FDRules** ..**FD Safety Rules** ..**Red Flag** ..**Train Ride** ..**Iron Man** ..**Laser Communication** ..**Del Mar Fair** ..**Area Codes** ...

(06-91)...**N6KI** on FD ..71 members and 18 guests ..more FD info ....

## Board Mtg. (Minutes)

**David Patterson** **WB6DAV@Juno.com**

**Next meeting at KB6NMK QTH**

*(Club members are invited to Board meetings at Board members QTH's at 7pm on the Wednesday following the club meeting as announced herein. You receive one participation point for attending. A copy of the complete minutes are at the general meeting.)*

**Board Mtg. May 9th, 2001.**

**Present:** Mike AB6QT, Charlie NN3V, Al W6GNI, Jo KB6NMK, Stan W9FQN, Mark KF6WTN, Dave WB6DAV & Alan N2DCA

**Absent:** Helmut KG6ERZ

**Guests:** None

Meeting called to order at 1900 Hrs.

**Treasurers** report read and approved.

**Secretary's** report approved as printed in the Scope.

Mike AB6QT submitted a bill for \$3.50 for postage.

Allen asked Ted KF6BFI if he would fill in for Helmut as a **temporary board member** as it looks like Helmut won't be returning for at least the rest of this year. Awaiting a reply from Ted.

Mike reported that John WB6IQS made a switching system for the **cameras** at the repeater site. It will be installed in the future. The **447.000** repeater has been repaired and will replace the temporary repeater now in use. There was found a fault with the **AC grounding** system at the site, the fault seems to be with SDG&E, Stan will contact them for necessary repairs.

Stan reported that the turnout for the **work party** was very poor, but everyone worked well together. Two computers were brought to the site. One for packet and the other for controlling the repeaters. There hasn't been any reports lately of **interference** between the 130 and 730 repeaters. Let Stan know if you hear any and what time. Stan has written a letter to get permission to use the same site as last year for **Field Day**. The **autopatch** is back

on line after getting some work done on it. Field day **rules** were approved to be the same as last year and will be published in the next Scope.

Next board meeting at KB6NMKJo's QTH. Meeting adjourned at 1957 Hrs.

## PARC FD Plans

Yes, it is finally here!

If this is June, there must be a Field Day for PARC participation!

The PARC FD crew is ready for a great time, and we hope you come out and enjoy the event, have a picnic with us, and maybe even operate. Remember that this is your chance to operate all modes, all bands!

What follows is the basic schedule.

### Friday June 22:

Preliminary set-up will begin around 2:00 PM. Towers will be taken to operating positions, along with the shelters for the stations. Around 3:00 PM we will erect towers, and AT THAT TIME WE CAN USE AS MUCH LABOR HELP AS WE CAN MUSTER FROM PARC VOLUNTEERS!

### Saturday June 23rd:

Starting at sunrise, it will get VERY busy. The ARC Road Kill Cafe will serve breakfast to the crews on site ready to start equipment set-up. Final tower raising will take place, and the beam antennas and the equipment to control them will be activated. All the stations will be tuned up.

At 11:00 AM (PST) FD operations will begin. This will go continuously for 24 hours. At 5:00 PM, the ARC Road Kill Cafe will start serving our picnic dinner TO WHICH ALL MEMBERS ARE INVITED. Basic vittles will be available (hamburgers, hot dogs, chips). We ask anyone attending the picnic to bring a pot-luck favorite dish to share with the site crew and anyone else attending the picnic. This year we anticipate several local public officials will attend to observe emergency communications preparedness.

At twilight, weather permitting, we will once again enjoy the light show of our world famous Laser Communications demonstration. If you missed it last

# P.A.R.C. Inc (2001 Board)

**Pres:** Allen Maslowski **N2DCA** 858.642.2400x1229  
N2DCA@amsat.org  
**VP:** Charlie Ristorcelli **NN3V** 858.676.3307  
NN3V@amsat.org  
**Sec:** David Patterson **WB6DAV** 760.727-5560  
WB6DAV@amsat.org  
**Treas:** Jo Ashley **KB6NMK** 760.741.2560  
KB6NMK@amsat.org  
**Dir#1:** Mark Raptis **KF6WTN** 760.749.4825  
KF6WTN@amsat.org  
**Dir#2:** Helmut Stroeml **KG6ERZ** 858.720.0549  
HKstromel2@aol.com  
**SCOPE:** Stan Rohrer **W9FQN** 760.749.0276  
W9FQN@amsat.org  
**Technical:** Mike Doyle **AB6QT** 760.742.1573  
AB6QT@amsat.org  
**MSh:** Al Donlevy **W6GNI** 760.630.3096  
aldonlevy@juno.com

Board Mtg. 7:00 pm Wednesday of week following the Club meeting as announced.

## Treasurer \$\$, \$\$\$

Jo Ashley  
KB6NMK @amsat.org  
See me at club meetings for "hard copies" of financial statement(s).

Location	03.31.01	04.30.01
CD179-1311891-8	3,025.35	3,025.35
CD8761216457-6	2,410.71	2,423.16
CD8761216625-9	2,567.73	2,579.55
CD8761216778-6	2,525.32	2,538.06
CD8761391556-4	3,061.00	3,073.72
Checking 010566	3,765.86	3,385.41
Post Office	103.97	103.07
CaSh+CD's	17,459.04	17,128.32
LongTermReserve	9,000.00	9,000.00
Pre-Pd dues/liab	7,046.00	6,855.00
projects/available	1,413.04	1,273.32

We have \$\$ set aside for emergencies at the repeater site in case of fire or earthquake.

Possible Costs: antennas ~\$750ea; tower ~\$3k; buildings ~\$3k; batteries \$?;

Routine: Scope printing ~\$250/mo; Scope postage ~\$65/mo; electricity ~250/mo; phone ~\$50/mo = ~\$615/mo. (Insurance each Nov. ~\$1,100/year)

Under consideration: 6m repeater spare ~\$200; 449.42 repeater spare ~\$100; spare antennas ~\$800; etc ~\$1,100.

Approved expenses not spent: ~\$100 tent trailer; \$110 crystals = ~\$200

### Last month's Scope Helpers:

Thanks to Art and Anita for the folding space and the refreshments. Really great cookies. (the greatest!)

year, do not miss this time. It is brighter than ever!

And of course, at midnight, the world renown PARC Road Kill Chili Cook Off will be offered. If you stay 'till midnight you will have a memorable experience.

### Sunday June 24th:

PARC Road Kill Cafe will serve breakfast at sunrise to the operating positions. FD operations will continue until 11:00 AM (PST). At that time site tear down will begin.

The PARC FD organizers ask you to come out and help.

Remember that if you participate at the site in any FD event, you earn 1 ticket (up to a maximum of 3 tickets) towards the PARC September picnic raffles and goodies. We definitely need help with tower raising, and lowering (and the lowering is worst because the FD crew is mighty tired after 24 uninterrupted hours of operations). And we can always use operators.

Remember: FD is a chance for PARC members to OPERATE ALL MODES ALL BANDS. If you do not have access to HF, or satellite, this is a FINE CHANCE to gain experience and have some fun.

Hope to see you at FD. 73 de NN3V

## President's Message

Allen Maslowski N2DCA@amsat.org

Time is one of those commodities June has finally arrived. I would like to remind everyone that **Field Day** is just around the corner. Charlie NN3V, our Field Day Chairperson has been very busy getting this event organized for our club. As you all know, no matter how much work is done on preparing for this event, and other types of events, there is always room for more help.

If you are interested in participating in Field Day or just want to help setup or tear down, please contact Charlie, NN3V. Visitors are always welcomed. Look for more Field Day information elsewhere in the Scope.

I have had several discussions over the last month with various members of our club on a variety of topics. One of the topics that came up was the PARC Bylaws and how the Board of Directors operates.

Bylaws for any club such, as ours exist for allot of reasons. Let me explain why clubs and organizations such as our need to have them. Bylaws form the legal binding document that governs the Palomar Amateur Radio Club. This document provides the basic framework for the purpose of our organization, and the governing structure, the Board of Directors.

Our bylaws may never be suspended\*. The PARC bylaws are reviewed from time to time to determine if any amendments are needed. The bylaws outline the requirements for amending the bylaws and specific rules/policies that must be followed by the PARC membership. The Bylaws also outline the general membership requirements, dues and meeting frequency. These meetings are the clubs general meetings that we enjoy and the Board meetings.

The meeting frequency for us is once a month for both the general and board meetings. The PARC bylaws explain the Board of Directors positions and their roles and term of office. They also set the number for a Quorum in the event that not all Board members are present for the meeting. For PARC, a minimum of five Board of Directors must be present in order for us to conduct club business. Our bylaws outline the committees and include amendments made over the years. When amendments are needed, they are pro-

KB6YHZ ArtNye	&	KB6YHY AnitaNye
W6GNJ AlDonlevy		K6MLJ JimPaquin
N6UZHTerriBrewer	&	MY2KID, Kimmy & Toby
KB6NMK JoAshley		KG6AEWBillOwen
WA6YOO HarryHodges		WA5ACESonnyStires
KC6WAN RalphPowell		N6OYGVictorMusil
W9FQN StanRohrer		WA6UTQLarryRueggeger

# AD6LA

SK SK SK SK SK

# KB6MLA

Nov 19, 2000

posed by the Board\* and a vote is taken. The voted new amendments are then, in our case, published in the Scope for the general membership to view.

Our board meetings are run using a set of modified Robert's Rules of Order. These modifications are discussed in January at the first meeting of the Board of Directors. They are discussed to enlighten any new board members that are voted in during our elections.

The Rules of Order are modified with the general consensus of the board, to help make the meetings progress at a faster pace and to make them less formal and enjoyable.

Any member of PARC is always welcomed to the Board of Directors meetings. Since space is limited at our board meeting sites, it is appreciated if a note is dropped to the board that you will be attending our board meeting.

A copy of the Palomar Amateur Radio Club's Bylaws is available at the general club meetings. The copy of the Robert's Rules of Order is available on the Internet. The modifications can be found in the minutes of the board. I hope this explanation will help some of our members get a better understanding on how the Palomar Radio Club works. Allen, N2DCA

(\*they may be amended. \*\*some amendments require a vote of the membership. - Ed)

## Laser Demo

It appears that last year's demonstration of a full duplex voice laser "communicator" will be repeated at this year's Palomar Amateur Radio Club Field Day Site in Valley Center. The tentative date and time: June 23, at dusk. Watch the CGC Communicator for details.

This story from CGC #400 provides valuable background info: Ham radio operators have invented a simple way to beam voice signals through space using inexpensive over-the-counter 'red pointer' lasers. Here's how they did it, using cheap stuff, a proud tradition in the amateur community:

<http://albums.photopoint.com/j/AlbumIndex?u=33595&a=6972623>

Download the four photos from left to right by clicking on each one; download even the two that appear to be all one-colored thumbnails. Text explanations accompany each picture.

## Rotating Blackouts

The following web site contains an on-line application for certain California businesses to apply for exemptions from the much anticipated rotating power outages:

<http://www.rotating-outages.com/default.asp>

Business customers who can demonstrate clearly that rotating power outages are likely to pose a significant threat to public health or safety are welcome to apply. Claims of economic harm or inconvenience to the customer will not be considered.

(URL courtesy of Kent Randles)

## Club Membership

Al Donlevy [aldonlevy@Juno.com](mailto:aldonlevy@Juno.com)

New Members Joining PARC in April 2001.

**KF6ZZ** and **VE7ANS**.

When you hear these calls on a repeater, greet our new members.

In addition, the following were reinstated, after an absence:

**AD6WK**, **KN6OL**, **NE6O**, and **KM6XA**.

Welcome back!

That's the good news, and now more good news.

One day in May, our post office box (Box 73) contained renewals from three members that extended their membership for more than 1 year; **KF6LYO**, **KD6YY**, and a long time member (without a call, yet), all renewed for 2 to 4 years. 73 and Thank you.

## ARES Alert<sup>(1)</sup>

The ARES Alert, monthly newsletter of the Amateur Radio Emergency Service, San Diego Section, is now available only on the Internet at the San Diego ARRL/ARES web page. To read, print or download the ARES Alert, connect to

<http://www.qsl.net/sdgarri/alert.htm>.

To read or print the Alert you will need the Adobe Acrobat Reader program installed on your computer. Acrobat Reader is a free program and can be downloaded directly from the above web page.

Starting with the June issue, the ARES Alert will be available only on the Internet and a few printed copies will be available at HRO.

This change in how the ARES Alert is distributed is due to the nearly 80% increase in production costs (paper, copy service, etc.). The Section Manager's limited budget can no longer absorb the cost. We hope everyone will make use of this version and continue to stay abreast of ARES news. Txn, 73 de Steve, K6PD

## Alert ARES<sup>(2)</sup>

The ARES Publication - **Alert** - is now available on PALBBS via packet - List SDARES - you can download it and print it and distribute it to your groups. 73's Dennis K7DCG

(PALBBS is located in Vista and is easily accessed through the club's packet repeater on 146.7 (-600) directly with NO connection to the repeater. Issue a C PALBBS and you should have a direct connection -Ed)

## Street Fair

Well, Escondido had their biannual street fair last Sunday and it seemed to go well, except we could have used a few more good men/woman. As usual we had the same old faces, thanks to those of you who participated. I noticed a lot of names signed up for the Sunday ARES net. If you have signed up to be available in the event of an emergency then this would have been good training. We had a number of lost children and some lost parents. This requires passing/receiving descriptions of the lost persons. Not something that you do in your everyday radio conversations.

With the number of people who have signed up for the Sunday ARES net, if you only could volunteer for one event a

year we could full fill our commitments. I understand that some of the events are on work days, but not all of them are.

As a side benefit, some events we receive free meals, T-shirts and hats. Think about it. Hope to see you at the next event. Assistant Northern DEC, Norm KF6GOF

## Del Mar Fair 2001

Barbara Rohrer KA6FPS@amsat.org

The Palomar Amateur Radio Club will again operate the SANDARC amateur radio booth at the Del Mar Fair as we have done for many years.

We will again need 3 shifts per day of 2 operators each shift. Shifts are from 10-2, 2-6, and 6-10. So our requirement will be at least 24 club members which is an increase of 6 operators since we have been assigned an extra day.

For serving the club in this capacity you receive 1 activity point and a free ticket to the Fair (good all day).

If you would like to participate, please contact me at my e-mail address or hand a slip of paper to my OM,

	Fri.29	Sat.30	Sun.1	Mon.2
10-2	W6YOO N6TCB	_____	_____	W6GNI W6HCD?
2-6	_____	N6KI KF6YVQ	_____	_____
6-10	_____	W9FQN KA6FPS	_____	_____

W9FQN at the June club meeting.

## Sunday Sailor's Net

The Sunday Sailor's net on 147.130 which used to meet every Sunday morning at 10:00am was cancelled but it appears some volunteers have come along to take the net for awhile. Larry has had other obligations in Palm Springs on Sundays and has not been able to conduct the net as he has for approximately the past 6 years.

More information on the Sunday Sailor's Net will be in their the July Scope.

## PARC Inventory

Dennis Baca KD6TUJ denniskd6tuj@juno.com

Do you know what PARC has in inventory to serve our members and community? Most hams will not, and neither do I. I have accepted the challenge of REcompiling the inventory for the club. The last and most accurate inventory list was in 1992 so there is a small amount of catch up to do.

Plans are to physically inventory all sited equipment in use, and in storage by the end of the year.

As a sampling, at the Field Day site (Stan's QTH) we have 11 HF beam antennas. Most are in very good condition as they are used for FD and available for that unknown emergency.in addition

there are 3 HF verticals and 11 2m antennas. And this is not the total.

If any of you know of donations made to the club, I would appreciate a note of what it is, last known place, and approximate date.

## Activity Points

PARC awards activity points for various Board approved activities and each point is worth one ticket for a drawing at the club's Picnic up to a maximum of 20 tickets. For example:

- 1 Free point each year
- 1 point for club meetings attended
- 1 point for attending Board meetings
- 1 point for club picnic
- 1 point for bringing goodies to mtg.
- 1 point for FD work parties
- 1 point at Friday FD setup
- 1 point at Saturday FD
- 1 point at Sunday takedown
- 1 point at approved work parties
- 2 points repeater site work party
- 1-5 points for net managers, controls
- 5 points for committee chairmen
- 1-10 points equipment construction

The drawing prizes in years past have been many small prizes and larger prizes consisting of gift certificates at the Candy Store (\$200, 100, 50, & \$25 certificates). You must come to the PARC Picnic with your tickets.

# HAM

# RADIO

H  
R  
O

# OUTLET

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

**KENWOOD**  
*of* **CONCEPTS**  
**DIAMOND**  
**US TOWERS**  
**KANTRONICS**  
**YAESU**  
**MFJ, ICOM**  
**BENCHER, Inc.**  
**HUSTLER**  
**COMET**  
**AMERITRON**

**Astron,**  
**AEA,**  
**OUTBACKER**  
**Larsen Antenas**  
**TEN-TEC**  
**hy-gain, Tri-EX,**  
**cushcraft**  
**and**  
**others too**  
**numerous to**  
**mention!**

Drop in to see our display of working equipment.  
Find out about Pkt location determining equipment (APRS).  
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: 10a.m. - 5:30p.m. *Ask about our great prices*  
**Monday thru Saturday**  
**858 560-4900 or toll free 1-800-854-6046**  
**5375 Kearny Villa Rd, S. D.**

**Directions:** On 163, take **Clairemont Mesa Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and **HRO** sign. Be sure to see our equipment in action on **real antennas.**

## Attendance Sheets

When signing into club events, please make sure that you PRINT your call in CAPITAL letters so that it can be read easily. Some calls are written with a mixture of capital and lower case letters which is difficult to read accurately.

Also, at some meetings, people step out into the hall or are standing up against the walls and forget to sign in on the attendance sheets. We need this as a record of who attended and the total number at each of the meetings.

We need to have wives and guests sign in also so that the Carlsbad Safety Center knows how many we are serving.

## Alligators

After being a ham for over 50 years, some one finally explained the "alligator got you" to me.

I have heard the expression, "The Alligator got you" when someone timed out a repeater. I wonder how many hams know why that expression?

The reason is that an alligator is "all mouth and no ears"!!

It only took me 50 years to find that out. 73, *W6GNI* Al

## NTS, Del Mar, Cleanup

The San Diego Section of the ARRL needs a new Section Traffic Manager. After nearly 30 years, present STM Warren Dilley KT6A has decided it was time to step aside, spend some quality time with his wife, and maybe even travel a bit, and it is well deserved!

I would like the new STM to have some experience in the handling of message traffic. This is very important, especially in case of emergency traffic. The STM would also recommend to the Section Manager the appointment of Official Relay Stations. Official Relay Stations are those Ham stations who show sincere dedication to the passing of traffic, whether it be voice or cw.

What are the main responsibilities of the STM? As Warren, KT6A states, "It

requires ARRL membership and reporting monthly Station Activity Reports (SAR) for ORS's and traffic section net status to ARRL and the SM monthly, via e-mail. No big deal."

If you are interested in this position, please contact me at [nz6t@arrl.org](mailto:nz6t@arrl.org). My phone number until June 5 is 619-475-7333. After that date, it will be 619-434-4211.

I am sure you have already read elsewhere in this issue that the Del Mar Fair is coming up fast, and with this fact in mind, we are going to be needing many folks checking into the traffic nets, each and every nite, at 8pm on 146.730. A lot of traffic will be passed for local delivery, so that means many folks will be needed to make phone calls.

**I Love A Clean San Diego** will be having another beach cleanup on July 8th. I have been told we will be having about 25 beaches to man with communicators, and several of those are located in the Northern District. Please stay tuned to the Section Net each and every Sunday nite, 7pm on 146.265.

Another way I try to keep you in touch on what is happening through out the section is by way of my weekly Internet newsletter. *If you are a member of the ARRL, and have Internet capabilities, go to the members only website, and go to your data page, and make sure you are signed up for the Section news.*

One last item, the **monthly meeting** of ARES has been moved to a new location. After over 30 years of meeting at the Normal Heights Methodist Church, it was time to move on, so move on we did.

Our meetings are now held at Coco's Family Restaurant, located at 5955 Balboa Ave., on the 2nd Saturday morning of each month. Breakfast is at 7am, with our meeting starting at 8. That is in the Clairemont Mesa area of town, a tad bit closer for the folks from the North County.

Been a long time since we have see many of you at our meetings, and hope that changes very soon. The Northern District is a very important part of the whole picture, and you are a very impor-

tant part of the Northern District. Look forward to seeing you! 73, Tuck NZ6T, San Diego ARRL Section Manager

## Science Fun

Looking for summer science fun?

Beginning in June, the Fleet Center is offering some fantastic science programs, workshops and special events for all ages and families. Visit their website at: [www.rhfleet.org/RHF/education/springsum01/index.html](http://www.rhfleet.org/RHF/education/springsum01/index.html) or, for a complete catalogue, contact Joleen at [<jfarebrother@rhfleet.org>](mailto:jfarebrother@rhfleet.org) or by phone at 619-238-1233 (x 853).

## EDIS on the Web

The State of California's Emergency Digital Information Service (EDIS) bulletins are available on the web. Watch for power shortage announcements and the like at:

<http://edis.oes.ca.gov/>

(When the introductory page downloads, wait several seconds and a new page with bulletins should automatically pop up. Unless, of course, the state is out of power.)

## Spitler Hike

In the northern half of the world, June 21st is the first full day of summer. The sounds of lawn mowers are everywhere, and everyone's headed to the pool. It's time for sun screen and summer fun.

Spring is almost gone and summer is almost here. We have already past the best hiking time in the desert But I hear the mountains calling us. Late spring and early summer are great times for mountain hikes.

On the 3rd of June W9FQN has a hike planned to Spitler Peak. This is near Mt. San Jacinto, and is planned for a "training hike" for Mt. San Jacinto some time in July or August.

If you are interested in this hike to Spitler Peak contact Stan at [W9FQN@juno.com](mailto:W9FQN@juno.com). We will keep you posted about the Mt. San Jacinto hike. 73, Glen *KE6ZLY*



# For Sail

(5.25) **Kingston** 8-Port 10MB Ethernet Hub (also coax connections) & two 3COM 10Base-T network adapters (ISA), original package \$50: ka2blq@amsat.org

(5.21) 12" **HiFi** spkrs(2) w/mid/hi range tweeters \$20ea: W2MRM 858-451-5690

(5.12) 6ea color T.V. sets free: Lee KE6NLZ leonluce@nctimes.net Rainbow. 760-728-2078

- (5.09) **ESTATE KG6AMQ(SK)** Sale-
1. **Yaesu** YS-60 1.6 - 60 MHz Power & SWR Meter. Meter has 0 - 2 Kw power handling capacity. Mint condition \$140
  2. **VCI** V300M 300w HF ant. tuner \$85
  3. **Yaesu** SP-767 speaker and phone patch. Ideal for use as a phone patch and external speaker for any HF rig \$80
  4. **Radial Larsen** 2m glass mt 1/2 ant \$40
  5. **Van Gorden** HI-Q 1-1 Balun \$20
  6. **KB6MT** High speed code course (3 cassette tapes & manual) \$15
  7. **Technician** "No-Code Plus" FCC license preparation course. 3rd. edition. Question effective through June 2001 \$5

## PALOMAR ENGINEERS

Box 462222, Escondido, CA 92046

### TOROID CORES

Palomar stocks a wide variety of cores and beads. Our RFI Tip Sheet is free on request. Our RFI kit keeps RF out of your telephones, TVs, stereo, etc. Model RFI-4 \$25 + tax + \$6 to ship.

### BALUN KITS

Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160 m).

Model **BA-58** (for RG58, RG8X & similar cables up to 1/4" dia. \$7.50 + tax + \$6 S&H/order

Model **BA-8** (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

### TUNER-TUNER

Tune your tuner without transmitting. Save that rig! Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You have a 1:1 SWR.

Model PT-340 \$99.95 + tax + \$6 S&H

See catalog at [www.Palomar-Engineers.com](http://www.Palomar-Engineers.com)

Please check our complete ads in **QST**, **73**, **CQ**, and **World Radio** magazines.

Personal equipment ads are free to members and could be "bumped" after 3 mo. Make up your ad like the ones below and send to Editor, W9FQN, 30311 Cir. R Ln, Vly. Ctr. CA 92082, (W9FQN@Juno.com) before the 20th of each month.

Commercial Ads in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. W9FQN@Juno.com

Prices negotiable to best best offer, contact 619-686-5607, or NN3V@amsat.org

(5.08) **ESTATE: Realistic** DX-160 SWL Receiver \$70; **ICOM** IC 740 HF xcvr with all accessories \$450: Eestate of KB6MLA, phone (760) 632-8677.

(05.07) Crank up/and tilt over tower installs like a telephone pole (no concrete footer required), rotor with thrust mount included, steel galvanized, commercial quality w/instructions \$475; 10, 15, 20 trap 3el yagi w/10m reflector \$100: Steve 858 451 5690 RB

(04.19) **Swan** Mark II amp 2kw pr of T-500Z's new pwr supply \$400; **Kenwood** TS520 new finals \$175; **Rohn** Foldover 54' twr w/HighGain 5el mono beam & **Telex** Tail Twister Mod T2x rotator plus 150' of RG8/U \$400: Paul W8VDH 760-726-5007 Vista.

(03.20) **Kenwood** TS-450SAT HF Rig \$500; **Kenwood** TS-60 6m All Mode \$500: Rod AC6V 760-945-6050 ac6v@amsat.org Ocsd.

(03.15) **Telex** 50' crankup on ground, rotator, **Hy-Gain** 3el triband beam, coax cable, **Yaesu** FL-2100B linear, misc, \$300: Art K6HU 619-697-1538 S.D.

(02.19) **Drake** MN-4 300 Watt Antenna Tuner \$95; **Alpha Delta** DXCC 80-10m shortened dipole \$40; **Astron** RS4A P/S \$20: Herb - KO6Z - 760-736-4095

(02.18) Ham radio station (complete) w/**Yaesu** F7T-1000D with antennas \$4,500; (best offer for following) MDIC8 **Yaesu** mic; **Alinco** DR1200T data radio; **Packrat** PK-232MRX data controller; **Time Wave** digital noise filter; MFJ-422BX **Bench**er paddle keyer; **Bench**er Iambic paddle, MFJ Versa Tuner 989C 300w; **Tektronic** 454 oscilloscope with probe; 12v **Micronta** Reg 12v P/S; **Eico** DC Reg 0-30v P/S; **Astron** 12v P/S RS20A; pkt cluster guide: Erwin AB5XE 909-301-8823.

(02.07) 1kw in dual Bud cabinet 5'9x41" panel space 2(61"x19"), 4-plug-in coils 80, 40, 20,10, variable & fixed caps, uses 2 **Eimac** 4-250's, switch class C or

linear B, separate supplies screen, neg bias, control panel variac, push start, run a & off, breaker on hi-volt supply, indicator lights, pwr/VSWR URA27 panel, HV pwr supply 4000v @ 0.5A (variac ctrl); other side of rack class B modulator 600 watts, pr 810's drv pr 6B4's with 5u4 supply & VR75 reg, separate hi-volt supply 4,000v @ 0.5A, 37"x19" open space available: WB6BKR John 858-454-4833 gehmansr1@juno.com

(12.14) **Heath** VTVM w/RF probe/manual \$35; **KW** SWR(separate sensor/meter) \$25; Selection heavy duty switches, coils & var. condensers for **KW** project; **MAC Per-forma** 630CD w/monitor, 56 modem, printer, scanner, lots of software/handbooks offer?; 2 **ANTIQUES** for bids (Circa 1925 **Magnavox** audio Fq. Amp. Type AC3, Mod. C, No.2236 using 3 type 01-A push-twist tubes, external 'A' & 'B' batteries; Circa 1933 **Heintz/Kaufman** Ltd San Francisco Radio receiver regenerative type 900 # 113, 3800-23000kc, US Patents 1,507689-1,907,806 \$400+): Larry W6LCT Vista 760.724.9996 B4 5pm or 7-9pm daily.

(12.10c) **Siltronix** 1011B xcvr 150; **Palomar** Messenger 2V Linear 50; Big Stick Antenna 35; 2m **Ringo Ranger** antenna 35; no reasonable offer refused: Dave @ (760) 727-5560, wb6dav@juno.com

WANTED: (A few good men/women) ☐

(5.28) **Wanted kit builder** (elecraft k1 kit): Don KF6NMA Poway (858) 486-5927 donald@henkearchitect.com

(5.13) **Wanted help** in assembly and erection of **Wilson** 61' tubular twr: Mike K6QBZ@Juno.com or 760 751-9248 V.C.

(5.11) **Wanted vibrator** for 1956 ply-mouth car radio.mopar model 840; Vibrator is CDE C-3 12v 115cps. base DA. Cornell Dubilier: Joe Craig W6HLB

Jeff N6FRW

Grace N6WPA

## The NiCd Lady Company

O.E.M. Assembly  
Rebuilds  
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Riverside, CA 92508 Fax (909)653-5189

[www.nicdlady.com](http://www.nicdlady.com) e-mail: [nicdlady@nicdlady.com](mailto:nicdlady@nicdlady.com)

joec@nctimes.net 760-757 1272

(04.21) **Wanted:** Cushcraft R5000 1/2 wave vertical antenna or equivalent for experimental purposes. Warren--W6EYP--760)744-5097 or e-mail, W6EYP@juno.com

(04.20) **Wanted - Kenwood** TH-27 or TH-78 HT, any condx batteries OK. Dennis N6KI 858-271-6079 or n6ki@amsat.org

(03-19) **Wanted:** replacement Power meter for Yaesu FL-2100B linear for disabled Romanian Ham, any help greatly appreciated: Mark KD6TB (858)485-0513 or KD6TB@hotmail.com.

(3.10) **Wanted:** CTCSS board something like a TE-32 or 64 for older radio: Dave WB6DAV@juno.com San Marcos (760)727-5560.

## Grab Bag at Mtgs.

At the next club meeting **W9FQN** Stan will have some more of the club's buckets of valuable junk at a table near the right wall (at least it is not the wrong wall:) small parts, radio books, magazines, HT belt holders, etc. Some items are priced 4/\$1 and other buckets 2/\$1.

## Rolling Blackouts

The Palomar Amateur Radio Club does not anticipate that our repeaters or autopatches will be affected by Rolling Blackouts here in San Diego County.

Most of our repeaters are on battery backup and should last the 45-90 minute rotating blackouts.

The three autopatches all have battery backup. Our weakest link is probably the computer 486 dialing system which requires 110vac for operation.

The computer is on a UPS which we hope will last for an hour and the transmitter/receiver combo is on battery. If not, then the patch will shut down.

## Cell Phone Bill

There are two California Assembly Bills pending regarding cell phones and their use in motor vehicles. The first (AB 770) is a bill which would require CHP and others to simply note whether use of a cell phone or other electronic

device was "a known or suspected contributory factor to the cause of the accident or violation." The second Bill (AB 911) would require drivers to use a cell phone that is "specifically designed to allow hands-free operation and is used in that manner while driving" except for emergency calls. See and read more at:

[http://leginfo.public.ca.gov/pub/bill/asm/ab\\_0751-0800/ab\\_770\\_bill\\_20010416\\_amended\\_asm.html](http://leginfo.public.ca.gov/pub/bill/asm/ab_0751-0800/ab_770_bill_20010416_amended_asm.html)

[http://leginfo.public.ca.gov/pub/bill/asm/ab\\_0901-0950/ab\\_911\\_bill\\_20010417\\_amended\\_asm.html](http://leginfo.public.ca.gov/pub/bill/asm/ab_0901-0950/ab_911_bill_20010417_amended_asm.html)

URLs courtesy of Harold Hallikainen

## Safety Rules (FD committee)

*(additional rules adopted by the Field Day Committee and are in addition to those on page 1 of this Scope -Ed)*

### 2. Towers

Extreme caution shall be exercised while erecting a tower or metal pole in the vicinity of high voltage lines.

### 3. Generators

a. All Generators shall have a **Fire Extinguisher** easily accessible in the near vicinity but not right by the Generator.

b. All Generators shall be placed in a **safe location** a safe distance from combustible materials, with the exhaust pointed in the safest direction to minimize fire and the exhaust fumes getting to the station operators. Exhausts must also be pointed away from any houses which are to the south and northwest side of tank.

c. All gas containers for **refueling** shall be placed a safe distance from generators and station shelters.

d. No **refueling** shall be done while the generator is running.

e. No **smoking** near generator while being refueled or near gas containers.

f. All extension **cords** shall be in good condition to avoid electrical shock to operators and visitors.

Any **safety or health** issue, however small, must be reported to one of the Field Day Committee Representatives immediately.

All **violations** of these rules shall be reported to the Field Day Director immediately.

## Committee Chairmen

*(appointed to serve Sept '99)*

ARESinfo.	-Dennis S	<b>K7DCG@amsat.org</b>
Attendance	-Stan R	<b>W9FQN@amsat.org</b>
ATV -Bills	KB6MCU	<b>W6GIC@amsat.org</b>
Auction	-	
Badges new	-Al	<b>W6GNI@amsat.org</b>
Batteries	-David KD6EYB	DAT@Gerry.Palomar.caltech.edu
BBSMonitor	-Bill B	<b>N6FMK@amsat.org</b>
Billing:Ads/etc	-Lyell K	<b>K6GVM@arrl.net</b>
By-laws	-Paul KF6VIE	<b>pdecicco@pondlaw.com</b>
	& -Ron RWA9JCL	<b>r3mb@concentric.net</b>
Contest Info	-Dennis V	<b>N6KI@amsat.org</b>
ControlOps.	-filled	<b>W6NWG@amsat.org</b>
D.Mar Fair-Barbara R	KA6FPS	<b>Tennis42@juno.com</b>
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	<b>W6YOO@amsat.org</b>
DennisV	-N6KI	<b>N6KI@amsat.org</b>
Field Day	-Charlie R	<b>NN3V@ARRL.net</b>
FDTech.	-John K	<b>WB6IQS@juno.com</b>
Historian	-Stan R	<b>W9FQN@juno.com</b>
Interference	-Bills KB6MCU	<b>W6GIC@amsat.org</b>
Inventory	-Dennis B	<b>dennisKD6TUJ@juno.com</b>
MtgGoodies	-Jim E	<b>Whisky6SST@juno.com</b>
Membership	-Al W6GNI	<b>aldonlevy@juno.com</b>
Nets	-Stan R	<b>W9FQN@juno.com</b>
Newsletter	-Stan R	<b>W9FQN@amsat.org</b>
PALBBSpkt	-Bruno H	<b>KF6QDP@amsat.org</b>
Patch Info	-Stan R	<b>W9FQN@juno.com</b>
PatchETronics	-Jerry H	<b>WB6FMT@amsat.org</b>
Picnic	-	
PowerAC/DC	-Mike P	<b>KD6VHI@amsat.org</b>
Programs	-Charlie R	<b>NN3V@ARRL.net</b>
Publicity	-Fred S	<b>K6ISS@amsat.org</b>
QSL Cards	-Merle R	<b>KR6BT@juno.com</b>
RACESinfo	-Jo A	<b>KB6NMK@amsat.org</b>
Red Flag-	W6HCD	<b>NashWilliams@CompuServe.com</b>
Rptr Site	-Stan R	<b>W9FQN@juno.com</b>
Rptr Skeds	-Stan R	<b>W9FQN@juno.com</b>
SANDARC	-Sybil A	<b>W6GIC@amsat.org</b>
	-Bill S KB6MCU	<b>W6GIC@amsat.org</b>
SellerTable	-John K	<b>WB6IQS@juno.com</b>
AstSWDivDir	-Walt	<b>WA6ODQ@arrl.net</b>
TechSite	-Mike D	<b>AB6QT@amsat.org</b>
TestingVE	-Rusty M,	<b>DuncDancer@worldnet.att.net</b>
Training	-	<b>W6NWG@amsat.org</b>
TrusteeW6NWG	-Mike D	<b>AB6QT@amsat.org</b>
Web Site	-Frank L	<b>KE6WOE@amsat.org</b>

### (Net Managers) (see pg.12)

ARES Sun	-Stan R	<b>W9FQN@amsat.org</b>
Staff Net	-David D	<b>KC6YSO@amsat.org</b>
ARES 6m	-David D	<b>KC6YSO@amsat.org</b>
Ham Help	-Mike D	<b>AB6QT@amsat.org</b>
	-David D	<b>KC6YSO@amsat.org</b>
Hiking	-Ed	<b>KF6DXX@juno.com</b>
	-Glenn P KE6ZLY	<b>KE6ZLY@juno.com</b>
MARA	-Cathy KE61QU	<b>W6NWG@amsat.org</b>
Microwave	-Kerry B	<b>N6IZW@qualcomm.com</b>
Off Road	-Jerry A	<b>jwak6pfp@cts.com</b>
	-Dick W KA7AYT	<b>rwilimek@home.com</b>
Sailors	-	
Traffic(SDCTN)	-CharlesN6TEP	<b>cmiele@juno.com</b>

**Names** in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to **W6NWG@amsat.org** or P. O. Box 73, Vista, CA 92085-0073.

### Repeater Status 04.22.01

146.730+ : Normal, no observed probs  
 147.075- : Normal, no observed probs  
 147.130- : Normal, no observed probs  
 147.000- : Using emergency repeater  
 52.680 : Normal (almost) ant prob  
 146.700- : Packet Repeater Normal  
 145.050s : Packet Digi Normal  
 PALBBS : Bulletin Board Normal  
 AutoPatch: Fully Operational  
 ATV : **Off the air?**

### Work Parties

Jun 10th Regular Rpt.Site Work Party  
 Jun 22nd Field Day setup VlyCtr  
 Jun 24th Field Day takedown V.C.  
 Jul 15th Regular Rpt. Site Work Party

### Work Parties

(trabajo)

(General workparties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)

#### Next general workparty:

New club members should consider coming to some of the repeater work parties to see the equipment we operate.

We meet at the top of the mountain (S7/S6) in the parking lot in front of Mother's Kitchen at 10:30 A.M. Bring water, lunch, sun screen for a day of beautiful Palomar Mountain weather.

(05.06)Our first work party at the repeater site since the winter snows was very lightly attended.

KC6YSODavidDoan helped N6PIGBillBennett with the 52.68 repeater. They found that by banging on the repeater that it would work. W9FQNStanRohrer, when he arrived at the site found 10 ft of the 6m antenna laying on the ground but the SWR was still a respectable 1.5 even without the upper 10 feet! Bill was supervised by his friend Beth.

Dave also made some AC current measurements with his new AC Clamp on meter in an attempt at seeing where power was being used. Stan suggested checking the SDG&E ground stake and we were very puzzled to learn that we had 3A of current flowing through the ground rod! This problem needs to be looked at immediately.

W6GNIAIDonlevy and Stan poured

## Technical, autopatch, repeaters, etc:

AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)

cement into the new foundation for the battery chargers. They then worked on the two of the KF6LWRTobyLau donated computers which Stan had earlier lashed together at his QTH. Al loaded Windows 3.1 into the computers which also had DOS 6.22 along with a word processor, PARC membership data base, and QBASIC for future programs.

Al also fired up the club's 110vac 1,250 watt AC generator which ran nicely after not having see use since last year at our last work party. It is fired up at each work party to see that it is still working.

Stan also took "inventory" pictures of the site and items inside of all buildings.

It was a great day. Wish you were there!

(5-??)AB6QTMike and friend visited Rpt Site to look at possible AC problems.

(5-9)W9FQNStan and NU6LJoey visited Rpt Site to look at possible AC problems.

(5-12)FD workparty at W9FQN QTH checking out antennas and FD publicity. Present were: KR6BT, WB6IQS, AC8Q and Liz, W1OJA, and NN3V. A

good time was had by all we hope.

(5.21)AB6QTMike and W9FQN Stan were at the site to meet with SDG&E by appointment between 8-12am. SDG&E did not show or call as promised. It appears they came 3 days earlier without warning and the problem with the AC still exists.

### Dead Phones?

Ah, there are rumors of electrical blackouts in San Diego County this summer?

...and what are you going to do during a black out if your cordless phone goes dead from a lack of infusion of electrons surging back and forth?

Remember, your SDG&E electricity might be off for as long as 90 plus minutes at a time several times a week.

Well, you still can make telephone calls using your hand-held or mobile transceiver. If you have registered for the PARC autopatch system, all you need to do is -

- dial a 3-digit access code
- dial your 4-digit PIN
- dial your BOX number (1-4 boxes)

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or dial the phone number you want.

If you have a **PIN** and have not used it lately, be sure to get on 147.130 and get in a few practice calls before you really wished you remembered how to use the system.

If you do not have a **PIN** or **BOX** numbers, be sure to contact **W9FQNStan** at -

**W9FQN1@Juno.com** or see him at the next club meeting to get registered to use the autopatch system.

Some members are using their high speed rig dialers to do the dialing automatically which makes life much easier in dialing long phone numbers.

## Projects ..Help!

The club has the following projects that need project managers and/or helpers.

1. **Video monitors** - the club has a number of video surveillance monitors which can be used to look at the site and various door entrances. The pictures can then be sent out on the club's ATV repeater so that we can see the cause of the alarm.

**WB6IQSJohnKuivinen** has made up a switcher so that we can switch between the 4-5 other cameras which we want to place at the repeater site.

2. **Tower Video** - we would like to be able to inspect the club's antennas on the tower during bad weather or after storms. With a monitor, we would have been able to spot the recent loss of 10 feet of the 6m repeater antenna. One system is being worked on now but we probably could use a "specialized" system with a donated camera.

3. **Computer control of repeaters** - usually various control codes are needed to turn our repeaters on and off, remove the "P" so that our repeaters are not P'ing on us, add or subtract PL and timeout timers, etc. ... all of which are a pain and consume lots of time especially when you have 6-7 repeaters to control.

4. **Battery monitor** - we need to keep track of battery voltages so that we are not overcharging the batteries or running them down too far when we are

on battery backup after loosing 110 vac. **KC6YSODavid** has a packet unit that we think could measure some of the required voltages he could probably use some help from someone on packet.

5. **Emergency BBS** - using club equipment and computer, we would like to set up another BBS (bulletin board system) which is "specialized" for various information which can be used in emergencies. The new BBS would not handle traffic but be used as a "data base" for equipment and personnel.

If you have any interest in any of these projects, contact **W9FQNStan** at **W9FQN@Juno.com**, 760-749-0276, or a club meetings.

## Tower Climbers

During the past two years the club has been blessed with some good tower climbers but we have lost one due to a Marine leaving Camp Pendleton and another climber returning to Europe.

At present, we are down to two climbers: **KF6NKCDanBurke** and **W9FQNStan** (hey, he is past 71)!

We need more new blood! We need it badly!

The club furnishes training in climbing, climbing harnesses (seat and chest), and an opportunity to get up in the world above your friends. This is a great opportunity to "look down" on everyone else!

We have several items that were not finished last year on the tower. We also need to start a thorough checking of all of our antennas for possible problems.

If you would like to get up in the world (about 70 feet), please contact **W9FQNStan** at **W9FQN@Juno.com** or see him at club meetings ...or at the next work party June 10th. Your help is greatly needed.

## TT Speed Dialers

We have noted several members using their rig's high speed touch tone dialers. Our new system (Jan 2000) is able to handle these high speed dialers(HSD) but only if you programmed them properly.

Many items in the repeater building are controlled by relays and they take a finite amount of time to operate so with the HSD it is possible to "loose" the first digit in you dialer memory.

Suggestion: put the first digit of the access code in **TWICE** and your HSD should work properly. So instead of sending something like .....

**x y z u v w.....**, try **x x y z u v w.....**

The first tone will probably get lost but the relay will probably pull in fast enough to get the second touch tone digit allowing your high speed dialer to complete the call.

## Mountain Sunshine

San Diego is known for "June Gloom" which doesn't always come in June.

Quite often while driving up to Palomar Mountain on a work party we will come from these areas of "June Gloom" and drive out of them around 3,000 feet on Palomar Mountain where one is greeted with brilliant sunshine which reaches all the way to the ground!

If you hate leaving the family at home during PARC work parties, why not include them in the excursion?

From the repeater site they can walk about a mile to the southern tip where there are great views of San Diego County or walk about a mile north to Mother's Kitchen where they can obtain a delightful vegetarian lunch and if so inclined, they can get "take out" and walk back to the county park to eat.

...or they could drive out to the Palomar Observatory where they can see the Observatory and there are benches for eating a noon lunch while you are having an educational lunch with other amateurs during the noon break.

## Blackout/Brownout

This summer in San Diego County should be quite interesting. This will be the first year that we have been faced with "rolling blackouts" throughout the summer.

These blackouts could cause various types of problems which we might want

to be prepared for before they happen.

Stop Lights - when power is off many of the stoplights have been set up to go into the blinking STOP mode ..or they are not working at all. These all cause special problems. Drivers are going to be late to work or getting home with some of them being extremely irritated. There probably will be MANY cell phone calls from these local areas which could tie up the cell sites making them almost useless as has been reported on TV lately.

So, do you know how to use the autopatch and what PIN number you have that you picked up over a year ago? The autopatch bypasses the cell site and you have a greater chance of completing your call.

You need to remember that the FCC has said that you cannot use the autopatch to call into late work BUT if your absence will affect the safety of personnel it probably would be permitted although you might have to defend your call with an FCC inspector.

One way around the above problem, is to call home with the understanding that when you do and you mention that you are tied up in traffic and might be late for work, that the person at the other end has your work number and makes the call for you explaining the situation to your place of work.

## Patch Busy

There are several types of "busy signals" that you can hear on our autopatch system -

1. The regular distinctive "busy signal" that the phone company puts on the phone line:

**you hear 8-11 beeps from our system and then a "busy signal" from the phone company**

2. The PARC "busy signal":

**you immediately hear a "busy signal" and NO beeps.** That is the PARC busy signal and it sounds a little like the phone company busy signal .. it was meant to sound that way.

If you hear a telephone busy signal, dial again in 3-5 minutes.

If you hear PARC busy signal it means someone else is using the autopatch on one of the club's other 3 repeaters. See which repeater is being used and when they are done, go back to 147.130 and run your autopatch.

The PARC busy signal buzz came out of a child's toy which **WB6FMT** Jerry Houser spotted and he liked the sound of it.

## Contests

**Harry Hodges**      **W6Y00@amsat.org**

Jun 2 Telephone Area Code Contest

Jun 9 Portugal Day Contest

Jun 9 WW South American CW Contest

Jun 9 ARRL VHF QSO Party

Jun 16 All Asia CW Contest

Jun 16 SMIRK (6 M) QSO Party

Jun 17 WV QSO Party

Jun 23 ARRL Field Day

Jun 30 Venezuela SSB Contest

Jul 1 RAC Canada Day

Jul 4 Fourth of July QRP Sprint

Jul 14 IARU HF Championship

Jul 14 CQ WW VHF Contest

Only a few DX Contests this month; however, the West Virginia QSO part will allow you to work this semi-rare state in pursuit of the WAS award. Individual country contests are like our state QSO parties. You work the country, they work the world. Rules are published in Amateur Radio magazines, e.g. QST, CQ, NCJ, and Worldradio. See you in the contest. 73, Harry, W6Y00

## Ham Construction

Over the years the Palomar Amateur radio club has put together many repeaters and our Technicians have done a fantastic job in taking \$10-15 worth of old Motorola mobile units and turning them into good repeaters.

There have been several areas where the club has shied away from:

1. Construction of cavities although back in the early 1970's a group of club members made some cavities out of old shell casings picked up from local military units. These were turned into serviceable cavities. The recently, N6PIGBill tackled a six cavity duplexer for 6m which is in service at the site. A good duplexer sells

for between \$800-1000.

2. All of the club's repeater antennas have been store bought. The 146.730 repeater antenna was bought "used" in the early 1970's. A new 4-folded dipole collinear sells for about \$900.

The club has yet to construct any VHF/UHF antennas for our 2m and 440 repeaters.

The construction of 2m repeater antennas by the club can be done if we can get some club members interested in the project. The antennas to be constructed can be broken up into approximately two parts:

a. The mechanical construction using aluminum tubing, bracing, etc.

b. Engineering the feed of the antennas to match 52 ohm coax.

The weather environment at the site is severe so we need to be especially careful of the construction to withstand high winds, ice loading, and ice falling on the antenna.

The impedance matching must also be sealed from the weather.

Hey, this could be a fun project, the club could save money and we could all learn something from the project.

Interested? Contact W9FQN @Juno.com or at club meetings.

## Satellite AO-40

Good news about the ailing ham radio satellite Amsat Oscar 40 - the first amateur bird in a high elevation orbit. The first successful transponder test has taken place and the satellite appears to be "open for business" with limitations.

On April 28, the satellite's 70 and 23-centimeter receiver passbands were connected to the 13-centimeter transmitter downlink and were briefly checked out by command stations using PSK, CW, and SSB. The tests worked extremely well despite a possible hole that may have been blown in the satellite from an earlier on-board explosion - an accident that has damaged some of the radio gear.

For information on operating through the bird, see:

<http://www.arrl.org/arrlletter/01/0511/>

# PARC NETS (06/01)

All 147.075 10-11pm MCW contacts  
 All 147.130 2130+ pm Facitious Group  
 Sun.146.730 8:30am AREmergency Service  
 Sun.146.730 10:00am Sunday Sailor's Net  
 Sun.147.075 8:45pm MARA Net  
 Mon.146.730 9:00pm Microwave Net  
 Tue.146.730 8:00pm Traffic Net (SDCTN)  
 Tue 146.730 9:00pm Off Roding Net  
 Thu.146.730 8:00pm Traffic Net (SDCTN)  
 Thu.146.730 9:00pm Ham Help Net  
 (electronics, computers, antennas, license theory, etc.)  
 Fri.146.730 9:00pm Hiker's Net  
 Sat. 146.730 8:00pm Traffic Net (SDCTN)  
 Sat. 52.680 8:00pm 6m ARES Net  
 "other non-PARC nets"  
 Convair/220 Club: 224.900 PL 107.2Hz  
 Mon 8:30pm, Tech. & News  
 Fallbrook ARC:146.175 + PL 107.2 Hz  
 ????

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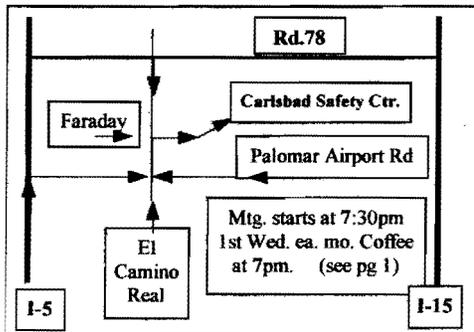
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**Jun**  
 2001  
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 1,552



**July 4th meeting  
 to be held on  
 July 11th!**  
 so that our members can go forth to  
 celebrate the Fourth!

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**pse cover me!**  
*Fold, I am not sold but old and cold, I am told!*

## PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

## OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWG)

PARC Trustee of W6NWG: AB6QT

\*52.680- W6NWG, -0.5 MHz

Autopatches(4): 146.730-, \*147.075+

\*147.130+, \*447.000-

PKT: 145.050s (PALMAR/W6NWG-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

Intercom: 146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94- KK6KD(HARS)

\*447.05- & \*145.26- KK6KD(HARS)

\*146.175+ N6FQ(FalbrkARC) linked  
 to \*445.600 MHz (-)

\*224.90- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

\*=107.2 Hz

## Pg. NEWS WORTHY

- 01 Club program;
- 02 Board Mtg.; AGOGO; Last; Goodie; Fold & Staple; Board Mtg.
- 03 Officers; Trea\$; PresMsg;
- 04
- 05
- 06
- 07 For Sail; Wanted
- 08
- 09 Work parties;
- 10
- 11 Contests;
- 12 You are looking at it!

(do you always read the fine print?)  
 and even this!

## Repeaters in Use

Please schedule special repeater use at least one month ahead of intended use with W9FQN: none

## PARC 2001 Calendar

June 2001 -

06 Wed, Club Mtg. 7:30pm. Carlsbad SafetyCtr

09 Sat, PARC Testing, Carlsbad Safety Ctr

10 Sun, Work party at repeater site

13 Wed, Board Meeting W9FQN QTH

(more fine print)

## Join the ARRL

**Escondido Testing** - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N. Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.

## Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

ARES Alert Publication

<http://www.qsl.net/sdgarr/alert.htm>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>



# Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Jul  
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pg.1  
-73-  
1,553

## Palomar Amateur Radio Club Inc.

also TV &  
4 Autopatches

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Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

**POSTMASTER:** Send address changes to SCOPE, P.O. Box 73, Vista CA 92085-0073.  
See pg. 12: Contents, Club Calendar, Repeater Use, PARC Frequencies, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

## Club Meeting

Charlie Ristorcelli NN3V@amsat.org

(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

### Next Program July 11th-

Digital, digital, digital. Everyone is enraptured with the digital craze. Last month we had the pleasure of the digital mode demonstration, live and in color, from the Carlsbad Safety Center. And this month, we are going to enjoy a bit of nostalgia.

Ever hear of heliography? Did you know that the Confederate Forces made some of the greatest advances in remote communications in the early days of the Civil War? Remember the sound of the WWII RTTY machines? Remember the pleasant smell of 3-in-1 oil to keep the machines running?

This month, Don Robert House, Curator, North American Data Communications Museum in Fallbrook will be speaking on the history of data communications from 1300 to 1986.

Don will be showing overheads detailing the development of early signaling, the printing telegraph, modems, and digital data transmission. In addition he will show several slides taken at the museum.

Don will also have a couple of rare Teletype machines on exhibit with other teletypewriter memorabilia for

the membership to look over. The presentation will take about one hour plus some time for a question and answers.

Those unable to make the meeting can make an appointment to view the museum with Don. See **Museum**, page 6.

Don't forget the opportunity to join club members for some camaraderie and fun at the Carlsbad area restaurants in advance of the meeting. Lots of members congregate for dinner before the meeting, and can be found on the 146.730 MHz repeater as they join up for the fun.

And remember: **THIS MONTH THE MEETING IS ON JULY 11TH!!!!!!!!!!!!!!!!!!!!**

## Coming Events

Jul. 11th, Wed - Club Mtg. Program

Jul. 14th, Sat - VE testing Carlsbad

Jul. 18th, Wed - Board Mtg.

## Last meeting (not quite)

Attendance was 85 with 6 guests.

**July 4th meeting  
to be held on  
July 11th!**

*so that our members can go forth to  
celebrate the Fourth!*

Great program last month with NN3V Charlie and KF6WTN Mark on HF digital modes. A good time was had by all!

## Club Membership

Al Donlevy aldonlevy@Juno.com

More New Members Joining  
PARC: W6KCZ, KF6WXA,  
WA6PTZ, K6CD, K6EXL,  
KG6GQU, KG6FYL, KF6ZYG,  
W6TXK, KQ6AV, KC6WRI,  
KD6VPP, KG6FWN

A New Member, KD6GMS, signed up for 5 years!

When you hear these calls on a repeater, greet our new members.

N6FMK, Bill, renewed for 5 years.

Again, I plead with all that move or change address, Please let us know. The Post Office charges us \$.60 each time we get a SCOPE back, or get advice that it was forwarded.

On June 5th a February SCOPE, that was mailed at the end of January, was received back, (it only took 4 1/2 months) and we were charged the 60 cents.

Now we have to wonder if we will be getting March, April, May, and June, back also, for 60 cents each?

**W6HW SK**  
**Vern Baumgartner**  
died March 26, 2001

73 and Thank you. Al

## Goodie Table

"Goodie" donations came from **N6QVW**Orlando and **N6KID**Dennis. You receive an extra activity point for your generosity.

**W6SST**Jim Egerton & **KD6TUJ** Dennis Baca took care of the Goodie Table.

## Long AGOGO *(history)*

**WA6KZN-K6HAV-KI6JM(sK)-W9FQN**  
*(The purpose of AGOGO is to recall info on file in previous editions of the Scope -Ed)*

(07-00) ...Field Day ..Temp Mtg Village Theatre Carlsbad .. Red Flag .. GPS ..Train Ride ..Iron Man ..FD Laser ..Del Mar Fair ..Area codes...

(06-91) ... attendance 88 with 17 guests ..meeting Lincoln Middle School ..Dial a Ham ..new repeater in bunker ..W9FQN temporary Editor ..Field Day info ..1,680Ahr cells installed(14) ..AA6OM VE team leader ..nets ..Ham license plates....

## A Non-meeting!!

### Board Mtg. *(Minutes)*

David Patterson **WB6DAV@Juno.com**

**Next meeting at KB6NMK QTH**

*(Club members are invited to Board meetings at Board members QTH's at 7pm on the Wednesday following the club meeting as announced herein. You receive one participation point for attending. A copy of the complete minutes are at the general meeting.)*

**Board Mtg. June 13th, 2001.**

**Present:** Mike **AB6QT** (down from Palomar mountain), Jo **KB6NMK**, Stan **W9FQN**, & Alan **N2DCA**

**(five Board members are needed for a quorum and to transact business. We had only 4!)**

**Absent:** \*Charlie **NN3V**, \*Al **W6GNI**, Mark **KF6WTN**, Dave **WB6DAV** & Ted **KF6BFI** (\*pre-notified of their absence several days before the meeting)

**Guests:** None

Meeting called to order at 1916 Hrs.

**Treasurers** report read and could not be approved.

**Secretary's** report could not be approved. **W9FQN** took minutes of non-meeting.

**Items discussed but not approved:** bills

submitted by **W9FQN** (no approval); FD problems and expenses(no action); publicity bills(no action); Del Mar Fair people needed(discussed); availability of #10 stranded wire (no approval for purchase); discussion of ARES pull out by Central and South SDCo(they are moving to another repeater system, discussion); source of 3ea 4-bay dipoles found at reduced price for repeater site replacement of 146.730, 147.075 and 147.130(no approval to buy); motion to adjourn at 8:50pm failed due to lack of quorum. We think we are meeting at **KB6NMK**'s QTH again but a vote could not be taken. Respectfully submitted, Stan Rohrer **W9FQN** a non-official appointed secretary.

**June 14th:** **N2DCA** sent around an e-mail the following day of the Board meeting asking for approval of bills and antennas from the missing Board members. Both items passed receiving 5 or more votes.

## ARES N.Co.

On Friday, 15 June a fire broke out in the Santa Ysable area. Red Cross was activated and requested two Amateur operators to report to the Incident Command Center in Julian. Some evacuations were started. A change was made to the reporting Amateurs, with one required at the Red Cross Headquarters, and the other to report to the Incident Command Center.

Al **W6WYN** went to the Red Cross and Walt **WA6ODQ** went to Julian. **147.130** was used and we would like to thank the Palomar Club for the use of this repeater. With this looking like it will be a bad season for fires we could use anyone that is available. If you think you could respond on a short notice please send your phone number to [norm\\_swanson@netzero.net](mailto:norm_swanson@netzero.net)

**KF6GOF** Norm

## Disaster! Here?

**AC6VRod** has sent along the following URL which has a lot to do with disaster communications. You might want to check out in your spare time - <http://www.area-ham.org/library/libindex.html>

Here are some of the examples:

Training for Proper Operating  
Emergency Ops & Communications  
Training - Disaster Causes - Emergency Management

**Emg Ops & Com Training Section**  
Incident Command System (ICS)  
Preparedness  
Communications Training  
Operations Training  
SKYWARN Training  
Net Control & Participant Training  
National Traffic System Training  
(NTS)

Backgrounds on Served Agencies  
Humanitarian Issues in emergencies  
Leadership Training  
Safety for Everyone

### Emergency Management:

Emergency Management Basics  
Hazard Assessment & Mitigation  
Disaster Planning  
Response Management

Emergency Communications Management

Public Information Management  
Disaster Health & Safety Management

Recovery Management  
Emergency Management Resources  
Emergency Management Publications

Emergency Management News-groups

### Disaster Communications:

Guidelines for the Design and Construction of Mobile Command Posts and Similar Emergency Response Vehicles

Convention on the Provision of Telecommunications Resources for Disaster

Mitigation and Relief Operations  
Harnessing the Power of Communications to Avert Disasters and Save Lives

Communications and Disaster Mitigation

Concepts and Guidelines for Emergency

Managers Preparing Emergency Communication Plans

Working Group on Emergency Telecommunications

Warning and Communications Utah  
Emergency Telecommunications for

# P.A.R.C. Inc (2001 Board)

**Pres:** Allen Maslowski N2DCA 858.642.2400x1229  
N2DCA@amsat.org  
**VP:** Charlie Ristorcelli NN3V 858.676.3307  
NN3V@amsat.g  
**Sec:** David Patterson WB6DAV 760.727-5560  
WB6DAV@amsat.org  
**Treas:** Jo Ashley KB6NMK 760.741.2560  
KB6NMK@amsat.org  
**Dir#1:** Mark Raptis KF6WTN 760.749.4825  
KF6WTN@amsat.org  
**Dir#2:** Capt. Ted Wilcox KF6BFI 858.272.7422  
KF6BFI@amsat.org  
**SCOPE:** Stan Rohrer W9FQN 760.749.0276  
W9FQN@amsat.org  
**Technical:** Mike Doyle AB6QT 760.742.1573  
AB6QT@amsat.org  
**MSh:** Al Donlevy W6GNI 760.630.3096  
aldonlevy@juno.com

Board Mtg. 7:00 pm Wednesday of week following the Club meeting as announced.

## Treasurer \$\$, \$\$\$

Jo Ashley  
KB6NMK @amsat.org  
See me at club meetings for "hard copies" of financial statement(s).

Location	01.31.01	02.28.01
CD179-1311891-8	3,000.00	3,000.00
CD8761216457-6	2,387.19	2,399.52
CD8761216625-9	2,544.64	2,556.74
CD8761216778-6	2,501.24	2,513.86
CD8761391556-4	3,035.19	3,049.16
Checking 010566	4,052.00	4,331.50
Post Office	100.45	100.45
CaSh+CD's	17,620.71	17,951.23
LongTermReserve	9,000.00	9,000.00
Pre-Pd dues/liab projects/available	6,334.00	7,371.00
	2,086.71	

We have \$\$ set aside for emergencies at the repeater site in case of fire or earthquake.

Possible Costs: antennas ~\$750ea; tower ~\$3k; buildings ~\$3k; batteries \$?;

Routine: Scope printing ~\$250/mo; Scope postage ~\$65/mo; electricity ~250/mo; phone ~\$50/mo = ~\$615/mo. (Insurance each Nov. ~\$1,100/year)

Under consideration: 6m repeater spare ~\$200; 449.42 repeater spare ~\$100; spare antennas ~\$800; etc = ~\$1,100.

Approved expenses not spent: ~\$100 tent trailer; \$110 crystals = ~\$200

### Last month's Scope Helpers:

Thanks to Art and Anita for the folding space and the refreshments. Really great cookies. (the greatest!)

KB6YHZArtNye	&	KB6YHYAnitaNye
W6GNIAlDonlevy		K6MLJimPaquin
N6UZHTerriBrewer	&	MY2KID, Kimmy & Toby
KB6NMKJoAshley		KG6AEWBillOwen
W9FQNStanRohrer		WA5ACESonnyStires
		N6OYGVictorMusil

International Humanitarian Assistance

...and much much more

## President's Message

Allen Maslowski N2DCA@amsat.org  
By the time you read this message, Field Day will be just a memory. I'm confident that the our club did its best in showing the rest of the world that PARC has a standing in the ranks of the Amateur Community.

I have had the misfortune to be stuck in New York for my company over field day weekend, so I couldn't partake in the activities. It's funny how work always gets in the way of our hobby for some of us.

Last month I talked about how PARC is run and the purpose of the bylaws. From the comments I heard it was well received. This month I thought I would explain briefly the format of our general meetings for the members that don't attend. We start our meetings with the flag salute to show our allegiance to our country. As a nice touch it is normally lead by a member of our armed forces. In our case, Harry, W6YOO, leads it.

To keep the membership informed, there are always announcements made by amateur groups such as ARES and RACES. There's the sellers table and the show and tell were members bring in items of interest to share with all in attendance.

I always introduce new members and guests. Stan, W9FQN gives us the work party info and Mike, AB6QT the technical report. At this point, the business portion of the meeting is concluded.

Our VP, Charlie, NN3V introduces the guest speaker and the program is presented. Since our programs are of varied interest, all of them are very interesting and professionally presented. Those of you that

can't make the meetings are missing a great deal of the fun.

The Palomar Amateur Radio Club is definitely a unique club. By providing many options to the radio amateur, PARC can be what you want it to be for you. That is very important to me and I'm sure it's the same for many of you too. If you have any suggestions on how we the board can make PARC better, please drop an email to me or any of the board members. We are always open to suggestions.

Hope you have a great 4th celebration and remember, the general meeting this month is on July 11th. 73's. Allen N2DCA

## VE Testing

Rusty Massie DuneDancer@worldnet.att.net

Here are the results for June 9th:

Justin R. Helland Unlicensed to Tech  
Jerry L. Houser WB6FMT Tech+ to Gen  
Tom McDevitt KG6AQZ Tech+ to Gen  
Laszlo B. Racz KE6CXO Gen to Extra

I will be representing SANDARC at the VEC Conference in Gettysburg next month. Do any of you know of any issues that I should be current on that may be discussed relative to the VE program and testing?

## Emergency!

(the following is via WA6UTQ Larry Ruegseger and is an interesting but long article by Jim Aspinwall/WB9GVF on emergency operation with permission to print -Ed)

In response to (recent) hearing about ARLB021 notifying amateurs of a state of emergency in Texas and Louisiana due to severe flooding one ham I'm acquainted with inquired about the real

**AC6V DX REFERENCE GUIDE - Now Available**  
**Pre Intro Price For PARC Members - \$15.00**  
**250 Pages of HF and DX instructions,**  
**DX Equipment, DX Aids & Programs,**  
**Propagation, Working DX, QSLing,**  
**DX Secrets, Contesting, 18 Appendices of DX Reference**  
**AC6V will be at the July meeting in the hallway or**  
ac6v@amsat.org

effectiveness and legitimacy of amateur radio participation in disaster situations.

He was curious about kind of traffic handled during the typical emergency net, how critical amateur radio was to the emergency at hand, if there are places where amateur radio operators exceed the number of working cellular telephones.

He acknowledged that emergency operations were great PR for ham radio, wondered how much of it is for real - how often does amateur radio truly affect the outcome of a real emergency or distress situation? Imagining county sheriffs' posse members or volunteer firefighters sitting in a shack eating free donuts and coffee while handling 'lost pet' emergencies.

The questions were from someone who lives in a part of the country relatively unaffected by natural disasters and might well not know what many of us have been through and know about the reality of significant emergency and disaster events. As such they could also be the questions any public official or government department manager might ask or have asked in the course of considering the availability of amateur radio to contribute to short and long term disaster planning. They might well be the questions from a friend or relative wondering what all this radio stuff is really for.

To these questions I offer what I anticipate are experiences and observations similar to those shared by anyone who has participated in real disaster situations - large or small. Your experiences, local situations and available technologies both government and amateur may vary, but there are some salient points to consider.

I've been working emergency and public service operations since I got my ham license at age 15 (30+ years ago.) Those activities took place in Wisconsin during tornadoes and ice storms, Texas with hurricanes and flash floods, and California with earthquakes, vegetation fires, and floods.

As a result of and with continue

interest in such activities I became and served as a volunteer firefighter for over 5 years in two communities in Texas, and have been employed in commercial and public safety communications services. I continue to build and maintain several UHF amateur radio systems in support of readiness for the next "big one" to hit California.

Amateur radio participation during emergencies may consist of anything from actual field data collection (location and characteristics of wind, rain, snow, ice, traffic, flooded areas, etc.) to staffing and monitoring checkpoints along evacuation routes to search-and-rescue operations to staffing shelters and hospital communications points for gathering and passing health-and-welfare information about civilians or medical/food/provisioning needs.

These operations require a significant number of capable and skilled communications resources that the managers, administrators, workers or general public are not trained or available to handle (a Red Cross station manager needs to tend to Red Cross business, not communications details - they want information to get through - they do not want to be part of the medium), or gain the advantage of technology that is not commercially available or permitted, or that these agencies cannot afford for 'maybe' deployment. That or these agencies need to communicate in areas that government and commercial agencies traditionally do not engineer or have radio coverage for.

A true emergency roll-out requires a ratio of between 1:10 to 1:100 of communications resources to actual incident workers. Amateur radio operators provide a ready source of vast amounts of manpower and communications equipment, and know how to use it.

For example - the **California Dept. of Forestry** places a ham as a shadow to senior firefighting personnel on the ground while staffing a spotter plane or chopper with another ham equipped with **ATV, GPS and mapping software**. At a ground station the spotter-system can accurately track the fire team and the fire to provide precise direction for tactical

efforts as well as photographic data to other fire tactic planners for resource planning and deployment.

Even though CDF now has the assets of the California Governor's Office of Emergency Services, with full mobile satellite, phone, data and completely agile radio capability, there are a limited number of those units and they may not get to all of the scenes where they are needed, and they are not video or radio-location equipped for ground or aerial deployment. Hams are such a critical part of their resource planning and working assets they are written into the official state operations manuals.

During the **San Francisco earthquake of 1989**, and not unlike other affected areas Murphy takes control - most/all of the San Francisco government and public safety communications systems (shared, trunked, computer controlled) were absolutely useless. The lo-band radio system in use in the San Francisco police cars barely work, the UHF system was out or too busy and had no simplex talk-around provision. San Francisco Fire Department was on a trunked system with no alternate simplex capability within the system and had limited and barely adequate VHF simplex capabilities in some units.

The cellular telephone system was out of service in most spots and overloaded in others. The second most quake damaged area was out of reach to most resources - being on the far side of a mountain range where jurisdiction and other issues and no perceived need meant that there were no (or not enough) commercial or government systems capable of handling the significant communications needs to get resources from the other side of the hill.

During **1983's Hurricane Alicia** nearly every amateur radio operator, club and system from New Orleans to San Antonio and beyond were on active alert or standby to provide communications for the few critical evacuation routes between the Gulf Coast and safer, further dry ground away from the storm's uncertain path. Knowing if and estimating how many people were trav-

eling to which potential destinations gave potential shelters advance notice of what to staff up for.

With electricity and telephone systems crippled or about to be, making sure that adequate food, clothing and shelter supplies were available and where they should be deployed was critical. In cases where full evacuation was not necessary or reasonable (the entire city of Houston for example) local government systems were sure to be overloaded with 911 calls, every available police and fire unit tasked with some form of preventive, pro-active or responsive duty. Several of us hams were also members of a suburban volunteer fire department and prepared backup communications for ourselves and were available to nearby Houston Fire Department units. In short, for the local and distant evacuation shelters, traffic routes and immediate weather condition information, and any necessary backup communications, no other resource was available.

During a severe 1976 ice storm in Wisconsin EVERYTHING outdoors was covered in 2-4 inches of ice. This rendered most/all conventional stationary (mostly VHF) communications systems useless. No cell phones existed at that time. The RCC phone and paging systems I was responsible for were off the air for a time (and we had not enough of them to do much good.) Plac-

ing hams where needed, they adapted to the conditions and places of need as presented, essentially duplicating and replacing critical communications systems until the ice melted when techs could begin to climb towers to replace broken antennas and damaged feedlines - spares of which were not on-hand of course.

The involvement and net traffic during an emergency is a lot more than reporting a traffic wreck, a cat in a tree, or the 6-for-25 cents donut specials at LuLu's Cafe. The communications systems that are formed as needed have to adapt to and provide communications where none was ever needed or anticipated before - from HF or relayed VHF/UHF to distant safe areas that have food and supplies to be requested and brought in to becoming a floating army of rescue vehicles to covering miles of evacuation routes to tromping through acres of burned forest - who else but a hundred or so willing hams could or would dig-in, plug-in and setup a customized and dynamic communications system?

And if you're wondering what part another ham on HF across the country can play in someone else's local disaster just work any HF band and experience the shifts of conditions and you'll know that you could play a critical role assisting flood victims in Houston relaying traffic through your HF station in Seattle or Buffalo.

If you are at all familiar with conven-

tional and the new high tech commercial and public safety systems you know that they are full of holes and vulnerabilities, expensive and often not duplicated/shadowed, incapable of mass amounts of traffic, completely non-configurable at a week's notice much less hours, and almost 500% incompatible with each other. To that you add regulations, policies and politics and an agency's need to maintain it's own communications without any margin to add new traffic. Many public service agencies will tell you that their communications systems are almost always operating at capacity. Adding sudden significant amounts of new disaster traffic sends them over the edge.

The vulnerability of cell phones is that a) 'everyone' has one, b) cell systems become overloaded if remain on the air at all, c) most people who have them aren't in the right places at the right time, d) they (people) are not prepared for sustained operations, e) the phone becomes 4 oz of useless technology when the battery dies, f) the cell system is strictly point-to-point, not networked or group-oriented like trunked or Nextel systems, g) getting enough people with enough phones tied into the right comm center at the same time is impossible, h) cell phone users are not equipped for data or video as may be needed in special cases.

# HAM RADIO OUTLET

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

H  
R  
O

**KENWOOD**  
*rf* **CONCEPTS**  
**DIAMOND**  
**US TOWERS**  
**KANTRONICS**  
**YAESU**  
**MFJ, ICOM**  
**BENCHER, Inc.**  
**HUSTLER**  
**COMET**  
**AMERITRON**

**Astron,**  
**AEA,**  
**OUTBACKER**  
**Larsen Antenas**  
**TEN-TEC**  
*hy-gain, Tri-EX,*  
*cushcraft*  
*and*  
*others too*  
*numerous to*  
*mention!*

Drop in to see our display of working equipment.  
Find out about Pkt location determining equipment (APRS).  
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: 10a.m. - 5:30p.m. *Ask about our great prices*  
**Monday thru Saturday**  
**858 560-4900 or toll free 1-800-854-6046**  
**5375 Kearny Villa Rd, S. D.**

**Directions:** On 163, take **Clairemont Mesa Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and **HRO** sign. Be sure to see our equipment in action on **real** antennas.

There are at least four different cellular technologies/infrastructures that are not and cannot be easily inter-tied. In most major areas those four technologies are split across distinctly different systems that eventually merged. The system is designed for essentially dial-tone replacement - it is not a communications system and cannot be reconfigured to perform otherwise. (A similar problem exists in the high \$\$ public safety and commercial trunked systems, plus licensing and regulatory restrictions - and then dump truck drivers generally do not make good emergency communications backup personnel)

Skilled and resourceful hams, truly into this and deliberately prepared for disaster or not, can provide at least 100% if not 1000% backup of local communications resources, a tremendous amount of flexibility and mobility that commercial and government resources would never imagine (budgets, politics, institutional thinking, etc.) possible much less implement.

The publicity amateur radio does get, whether a TV sound bite or a full article in QST, cannot possibly convey the complexity and multitude of tasks/services that amateur radio provides in any given emergency. If you can listen in on some of the emergency activities parts of it may seem very boring - monitoring the progress of a truckload of food going from a Safeway warehouse 200 miles to a shelter in the middle of the mess; lists of names of loved ones sitting tight at a shelter or inquiries from outside the shelter to determine if someone is safe; water levels or drainage flow rates; but over the course of an incident, cumulatively these seemingly mundane communications provide many people needed food, shelter and safety that they otherwise had benefit of in the comfort of their homes and suddenly do not. Ham radio suddenly becomes the very necessary extended tool of otherwise normal life support systems.

It's not about heroics or making the geekiest cool radio set - it's about

hunger, cold, survival, as well as the emotions of people just like you and I, many of us who are sitting in the comforts of our dry, warm intact homes with full pantries, feather beds and electricity to run our PCs and super HF stations, yacking on our micro-HTs through functional whiz-bang repeaters.

Take your aunt/uncle, mother/dad, grand-kids, separate them from husband/wife, home, electricity, food and possessions, stuff them into a noisy gymnasium or national guard armory with 250 screaming kids, shaken and demanding civilians displaced by mother nature, hand them a blanket and rickety cot, food and beverage yet to be delivered, medication/wheelchair left in a flooded living room who's roof has been ripped off by high winds, and think about how you're going to know they are OK, get them food, replace their medications and get them to the comfort of family as quickly as possible.

I kind of like the idea that I can rely on 100 or so of my currently unknown but soon to be closest buddies in the ham community to look after those folks in some big or small way - because I know that Sheriff Joe or Mayor Smith has NO possible way to deal with 1 much less 100, 1000 or 10,000 individual disaster victims.

Forget donuts - knowing that grandma is safe with a cup of weak coffee and a stale cheese sandwich can be pretty welcome news someday - that someone found her and got her there, that there is food, that her medications are on the way, and that you can find out are no trivial aspects to this hobby.

My motto: "*lack of information is a dangerous thing*"

## Museum

Don Robert House, N.S.E.  
Curator, NADCOMM  
North American Data Communications  
Museum  
3841 Reche Road  
Fallbrook, CA 92028-3810  
760-723-9943 Office  
760-723-9984 FAX  
URL: <http://www.nadcomm.com>

URL: <http://www.nadcomm.org>  
e-mail: [drhouse@nadcomm.com](mailto:drhouse@nadcomm.com)  
e-mail: [drhouse@nadcomm.org](mailto:drhouse@nadcomm.org)

## San Jacinto Hike

The PARC Hiking Group will be taking one of their annual hikes to the top of Mt San Jacinto In the middle of July, latest plans are for July 15. The Peak is 10,802 ft high and has a view that goes on and on for ever. This hike is being planned by Stan **W9FQN** and Bob **W6VR** and is one of the most beautiful hikes in Southern California.

The main group will be riding the Palm Springs Tram to the Mountain Station at about 8,500 ft and hiking the 5.5 miles to the peak from there. There will most likely be some of the group coming in from other ways and spending the week-end on the mountain.

After the hike, those who wish will be having a great feast at the restaurant at the Mountain Station. Contact Stan **W9FQN** if you are interested in this hike or have any questions. His E-Mail address is

[W9FQN@juno.com](mailto:W9FQN@juno.com)

If you wish to know more about the Palm Springs Aerial Tram here is the Home page URL

<http://www.pstramway.com/>

73'S, The Ole Hiker, Glenn, **KE6ZLY**

## E-mails

This is not really big news, but some might be interested. In the Wisconsin QSO party in March I took 1st place for California stations. I enclose a link that shows the scores.

<http://www.warac.org/wqp/2001/01usa.htm>

My previous call used was **KG6FFX**  
73, Jim **AD6WL** (Gy Seifert, J.E., 3rd  
AABn, Comm Maint Chief, (760)725-0372)

## Field Day 2001

Articles and information on FD 2001 will be in the August Scope.



# For Sail

(6.22) Icom R100 unblocked scanner-1856MHz \$400; Yaesu FT23 TTP-EC/DC \$124; Yaesu FT7005 TTP-EC/DC \$150; Yaesu Spkr mic \$30 & VOX headset \$20; Yaesu(2) NC29 chargers \$50ea; Yaesu NC37 charger \$55; (above OBO + 4 batteries); Complete listing of above and other items at meeting (see W9FQN): Stu K6EXL 760-757-9208.

(6.19) MOVING SALE - Icom IC-735 160-10mtr xcvr \$400; Complete packet station including computer \$250; 160-10m trapped dipole \$25; Hy-Gain TH5DX 5el tri-band beam \$75; 11el 2m beam \$30; Hvy Duty rotator \$25; Cushcraft 2M/440 vertical \$25; Coleman 1.5kw gas powered generator \$250; Swan 200w-2kw SWR meter \$25; Heath Cantanna dummy load \$25; Heath Digital Electronics course w/ breadboard \$30; All band portable SW rcvr \$25; Computer furniture, coax, lots of other stuff. Scotty KH6TL @ (760) 727-8836, 390-1980 or KH6TL@juno.com.

(6.15) 30' guyed tower free to PARC

**Personal equipment ads** are free to members and could be "bumped" after 3 mo. Make up your ad like the ones below and send to Editor, W9FQN, 30311 Cir. R Ln, Vily. Ctr. CA 92082, (W9FQN@Juno.com) before the 20th of each month.

**Commercial Ads** in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. W9FQN@Juno.com

member who will help me take it down in Vista, see picture at - <http://members.home.net/jelliott2k/tower.htm>: jelliott2k@home.com 760-941-8325 Jim WA7FUI

(6.13) 10m all mode mobile radio shack HTX10 \$75; Curt 760-310-6642 or KF6VHA@mymailstation.com

(5.25) Kingston 8-Port 10MB Ethernet Hub (also coax connections) & two 3COM 10Base-T network adapters (ISA), original package \$50: ka2blq@amsat.org

(5.21) 12" HiFi spkrs(2) w/mid/hi range tweeters \$20ea: W2MRM 858-451-5690

(5.12) 6ea color T.V. sets free: Lee KE6NLZ leonluce@nctimes.net Rainbow. 760-728-2078

(5.09) ESTATE KG6AMQ(SK) Sale-

1. Yaesu YS-60 1.6 - 60 MHz Power & SWR Meter. Meter has 0 - 2 Kw power handling capacity. Mint condition \$140
  2. VCI V300M 300w HF ant. tuner \$85
  3. Yaesu SP-767 speaker and phone patch. Ideal for use as a phone patch and external speaker for any HF rig \$80
  4. Radial Larsen 2m glass mt 1/2 ant \$40
  5. Van Gorden HI-Q 1-1 Balun \$20
  6. KB6MT High speed code course (3 cassette tapes & manual) \$15
  7. Technician "No-Code Plus" FCC license preparation course. 3rd. edition. Question effective through June 2001 \$5
- Prices negotiable to best best offer, contact 619-686-5607, or NN3V@amsat.org

(5.08) ESTATE: Realistic DX-160 SWL Receiver \$70; ICOM IC 740 HF xcvr with all accessories \$450; Estate of KB6MLA, phone (760) 632-8677.

(05.07) Crank up/and tilt over tower installs like a telephone pole (no concrete footer required), rotor with thrust mount included, steel galvanized, commercial quality w/instructions \$475; 10, 15, 20 trap 3el yagi w/10m reflector \$100: Steve 858 451 5690 RB

(04.19) Swan Mark II amp 2kw pr of T-500Z's new pwr supply \$400; Kenwood TS520 new finals \$175; Rohn Foldover 54' twr w/HighGain 5el mono beam &

Telex Tail Twister Mod T2x rotator plus 150' of RG8/U \$400: Paul W8VDH 760-726-5007 Vista.

pg. 7  
-79-  
1,559

(03.20) Kenwood TS-450SAT HF Rig \$500; Kenwood TS-60 6m All Mode \$500; Rod AC6V 760-945-6050 ac6v@amsat.org Ocsd.

(03.15) Telex 50' crankup on ground, rotator, Hy-Gain 3el triband beam, coax cable, Yaesu FL-2100B linear, misc, \$300: Art K6HU 619-697-1538 S.D.

(02.19) Drake MN-4 300 Watt Antenna Tuner \$95; Alpha Delta DXCC 80-10m shortened dipole \$40; Astron RS4A P/S \$20: Herb - KO6Z - 760-736-4095

(02.18) Ham radio station (complete) w/ Yaesu FT-1000D with antennas \$4,500; (best offer for following) MDIC8 Yaesu mic; Alinco DR1200T data radio; Packrat PK-232MRX data controller; Time Wave digital noise filter; MFJ-422BX Bencher paddle keyer; Bencher Iambic paddle, MFJ Versa Tuner 989C 300w; Tektronic 454 oscilloscope with probe; 12v Micronta Reg 12v P/S; Eico DC Reg 0-30v P/S; Astron 12v P/S RS20A; pkt cluster guide: Erwin AB5XE 909-301-8823.

(02.07) 1kw in dual Bud cabinet 5'9x41" panel space 2(61"x19"), 4-plug-in coils 80, 40, 20, 10, variable & fixed caps, uses 2 Eimac 4-250's, switch class C or linear B, separate supplies screen, neg bias, control panel variac, push start, run a & off, breaker on hi-volt supply, indicator lights, pwr/VSWR URA27 panel, HV pwr supply 4000v @ 0.5A (variac ctrl); other side of rack class B modulator 600 watts, pr 810's drv pr 6B4's with 5u4 supply & VR75 reg, separate hi-volt supply 4,000v @ 0.5A, 37"x19" open space available: WB6BKR John 858-454-4833 gehmansr1@juno.com

(12.14) Heath VTVM w/RF probe/manual \$35; KW SWR(separate sensor/meter) \$25; Selection heavy duty switches, coils &

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Jeff N6FRW

Grace N6WPA

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URL courtesy of Chris Durso

var. condensers for KW project; **MAC Performa 630CD** w/monitor, 56 modem, printer, scanner, lots of software/handbooks offer?; 2 **ANTIQUES** for bids (Circa 1925 **Magnavox** audio Fq. Amp. Type AC3, Mod. C, No.2236 using 3 type 01-A push-twist tubes, external 'A' & 'B' batteries; Circa 1933 **Heintz/Kaufman** Ltd San Francisco Radio receiver regenerative type 900 # 113, 3800-23000kc, US Patents 1,507689-1,907,806 \$400+); Larry W6LCT Vista 760.724.9996 B4 5pm or 7-9pm daily.

### WANTED: (A few good men/women) ☐

(5.28) **Wanted kit builder** (elecraft k1 kit): Don KF6NMA Poway (858) 486-5927 donald@henkearchitect.com

(5.13) **Wanted help** in assembly and erection of **Wilson 61'** tubular twr: Mike K6QBZ@Juno.com or 760 751-9248 V.C.

(5.11) **Wanted vibrator** for 1956 ply-mouth car radio.mopar model 840; Vibrator is CDE C-3 12v 115cps. base DA. Cornell Dubilier: Joe Craig W6HLB joec@nctimes.net 760- 757 1272

(04.20) **Wanted - Kenwood TH-27** or TH-78 HT, any condx batteries OK. Dennis N6KI 858-271-6079 or n6ki@amsat.org

(03-19) **Wanted:** replacement Power meter for **Yaesu FL-2100B** linear for disabled Romanian Ham, any help greatly appreciated: Mark KD6TB (858)485-0513 or KD6TB@hotmail.com.

(3.10) **Wanted:** **CTCSS** board something like a **TE-32** or **64** for older radio: Dave WB6DAV@juno.com San Marcos (760)727-5560.

## Grab Bag at Mtgs.

At the next club meeting **W9FQN** Stan will have some more of the club's buckets of valuable junk at a table near the right wall (at least it is not the wrong wall:) small parts, radio books, magazines, HT belt holders, etc. Some items are priced 4/\$1 and other buckets 2/\$1.

## Marconi (Guglielmo)

To explore the life, science and achievements of Guglielmo Marconi, visit this clean and neat web site:

<http://www.marconicalling.com/introstring.htm>

## ARES Alert

The June 2001 ARES Alert is now on the San Diego Section ARRL/ARES Web page at -

<http://www.ql.net/sdgarri>  
click on the ARES Newsletter link.

The Adobe Acrobat Reader program is required to read or print the Alert. This program can be downloaded free from the above web page. 73 de Steve, K6PD

## 10-4 Gud Buddy

Newcomers to the amateur bands should realize that CB lingo is not used on amateur frequencies and tends to irritate amateurs when they hear it being used.

Probably the same comments can be said for the use of Q-signals on the VHF/UHF bands. They are just not used. Q-signals such as QRT (am going to quit sending), QSL (I confirm that I have received your transmission), just are not used any place except on the HF bands.

Everyone on the VHF/UHF bands would probably be better off talking on the radio just like they would talk on the telephone.

## June Power?

Most sources seem to indicate that rolling blackouts for 1-2 hours should be hitting us in June ... for beginners.

Several sources seem to indicate that we could have as much as 15 hours of outage per week which figures out to be about 2 hours per day ... thats alot!

## EIMAC

The co-founder of tube manufacturer EIMAC, Jack A. McCullough, ex-**W6CHE**, of Cupertino, California, died April 28. He was 93. McCullough and Bill Eitel, **W6UF** (deceased), paired up to start Eitel-McCullough -- EIMAC -- in the 1930s after building a tube for use as a grounded-grid amplifier. Eimac became a premier manufacturer of beam power tubes for the broadcast industry. (ARRL Letter via CGCCCommunicator)

## Committee Chairmen

(appointed to serve Sept '99)

ARESinfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Stan R	W9FQN@amsat.org
ATV	-Bills KB6MCU	W6GIC@amsat.org
Auction	-	-
Badges new -AI	-	W6GNI@amsat.org
Batteries	-David KD6EBY	DAT@Gerry.Palomar.caltech.edu
BBSMonitor	-Bill B	N6FMK@amsat.org
Billing:Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul KF6VIE	pdecicco@pondlaw.com
&	-Ron RWA9JCL	r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWC@amsat.org
D.Mar Fair-Barbara R	KA6FPS	Tennis42@Juno.com
Emergency QTH's (Emergency Com. Centers)	-	-
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Historian	-Stan R	W9FQN@Juno.com
Interference	-Bills KB6MCU	W6GIC@amsat.org
Inventory	-Dennis B	dennisKD6TUJ@juno.com
MtgGoodies	-Jim E	Whisky6SST@juno.com
Membership	-AI W6GNI	aldonlevy@juno.com
Nets	-Stan R	W9FQN@Juno.com
Newsletter	-Stan R	W9FQN@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-Stan R	W9FQN@Juno.com
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-	-
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Charlie R	NN3V@ARRL.net
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-W6HCD	NashWilliams@Compuserve.com
Rptr Site	-Stan R	W9FQN@Juno.com
Rptr Skeds	-Stan R	W9FQN@Juno.com
SANDARC	-Sybil A	W6GIC@amsat.org
-Bill S	KB6MCU	W6GIC@amsat.org
SellerTable	-John K	WB6IQS@Juno.com
AstSWDivDir	-Walt	WA6ODQ@arrl.net
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DaneDancer@worldnet.att.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG	-Mike D	AB6QT@amsat.org
Web Site	-Frank L	KE6WOE@amsat.org

### (Net Managers) (see pg.12)

ARES Sun	-Stan R	W9FQN@amsat.org
Staff Net	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-Mike D	AB6QT@amsat.org
	-David D	KC6YSO@amsat.org
Hiking	-Ed	KF6DXX@Juno.com
	-Glenn P	KE6ZLY@Juno.com
MARA	-Cathy	KE6IQU W6NWG@amsat.org
Microwave	-Kerry B	N6IZW@qualcomm.com
Off Road	-Jerry A	jwak6pfp@cts.com
	-Dick W	KA7AYT rwilimek@home.com
Sailors	-	-
Traffic(SDCTN)	-Charles	N6TEP cmiele@juno.com

Names in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to **W6NWG@amsat.org** or P. O. Box 73, Vista, CA 92085-0073.

## Repeater Status 04.22.01

146.730+ : Normal, no observed probs  
147.075- : Normal, no observed probs  
147.130- : Normal, no observed probs  
447.000- : Using emergency repeater  
52.680 : Normal (almost) ant prob  
146.700- : Packet Repeater Normal  
145.050s : Packet Digi Normal  
PALBBS : Bulletin Board Normal  
AutoPatch: Fully Operational  
ATV : Off the air?

## Work Parties

Jun 10th Regular Rpt. Site Work Party  
Jun 22nd Field Day setup VilyCtr  
Jun 24th Field Day takedown V.C.  
Jul 15th Regular Rpt. Site Work Party

## Work Parties *(trabajo)*

*(General workparties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)*

### Next general workparty:

Save July 8th for next work party.

### Last work parties:

(6.10) Just received a call from Bill **KB6MCU** who got to the site after we left, that the fan in the new building was not running ... quite possibly the building had cooled off since we were working there all day and did not need to run. We probably need to check this on the next visit.

Many thanks to all of those working today .. we were able to finish quite a few things on the work list and several that were not on the list -

.....metal building behind block building removed from foundation

.....heavy inflexible guy wire replaced with flexible

The block building was cleaned out and only a couple in necessary items were returned to it. We can now get to the inside AC box which needs some work.

The tower was inspected and only minor adjustments were made to heliax and heliax connections.

David looked at the 6m repeater and thinks that the problem could be in the cavities which probably should be adjusted.

Many thanks to all those helping ...

## Technical, autopatch, repeaters, etc:

*AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)*

pg.9  
-81-  
1,561

it was a very pleasant day ...lots of work and good conversation ...and a special thanks to all the climbers that showed up. For a while I thought it would just be Dan **KF6NKC** and me (New: **KA6DUH** and Alfredo **KG6ELJ**) with Dave Vogel **KF6DJP** a previous climber showing up to help out with the guy wires.

Thanks to Dan **KF6NKC**, Al **W6GNI**, Dennis **KA6DUH**, Alfredo **KG6ELJ**, Ramon **KE6BXH**, Dave **KF6DJP**, Lori Kozachenko, Kevin Dulido, Glenn **KE6ZLY**, Gloria, and Dave **KC6YSO**.

Thanks to all ... and Glenn, the water mellon was great ..hope you did not swipe it out of a patch like in the old days! 73, Stan **W9FQN**

(6.??) John made two new tables for the club's pop-up camper.

(6.??) John worked on FD rotators.

## FD Work Party

(6.9) **WB6IQS** John **Kuivinen** and **NN3V** Charlie **Ristorcelli** cleaned out the club's two emergency trailers and inspected other Field Day equipment.

## Battery Building

The club's original building on at the repeater site is a cement block building about 9'x9' which previously housed all of our repeaters.

The building has now been cleaned out and **KD6VHIM** Mike has been diligently working on the racks to hold the new 24 1.5 volt, 1680Ahr cells. Each cell weighs approximately 350 pounds and they are filled with acid so these cells with have to be moved with care.

There will be 12 cells on the bottom of the rack and 12 on the top layer of the rack.

The racks are steel and are fasted to the walls of the block building.

The club, in the old battery building, has 14 similar cells which we will be replacing sometime later this summer ..if not sooner.

If you have time, why not plan on spending a day on the mountain with us and get a charge out of helping install the new cells.

## New Antennas

In 2000 our club's climbers replaced

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almost all of the old heliax runs from the repeaters up to the antennas.

This year we will be replacing the antennas to three repeaters: 146.730, 147.075, and 147.130.

The old 146.730 antennas was bought sometime around 1973-4 and at that time it was bought "used." So that antenna has served the club for almost 26-27 years.

The replaced antennas will be refurbished and used as spares.

**AB6QT** Mike Doyle has used his connections to buy the three antennas at a very good price.

## Mag. Loop Ant

Hi Stan, For the newsletter... I have written a Magnetic Loop Antenna design program for Windows. It will calculate the design parameters in standard or metric units for small loop antennas to operate from 1 to 30 MHz. This is freeware for everyone interested in building a mag-loop antenna.

The file LoopCalc.zip is available on my ftp site:

<ftp://ftp.cts.com/users/g/c/gcsperry/>  
or by contacting me at [ki6gd@arrl.net](mailto:ki6gd@arrl.net)  
Thanks, 73 Glenn KI6GD, Vista, CA

## Cell Numbers

The autopatch system has been set up using the numbers provided in the telephone book which means that any cell phone prefixes are probably not activated. If you want to call a cell phone prefix, make sure you contact **W9FQN@Juno.com** before making the call since the computer will kill the call as an unknown prefix.

We would be happy to activate cell phone prefixes if we only knew what they were!

We heard a rumor that a charge would also be applied to our patch phones if we call a cell phone but until that happens, we can permit cell phone prefixes to be dialed.

## Fire Control

The club's repeater site is sur-

rounded by many trees and in front of the buildings are smaller trees which would burn quite fiercely if a fire were to sweep up the west slope of Palomar Mountain.

We will soon be cutting back as much excess tree growth as possible.

## Patch Information

Most members who have tried the patch seem to be meeting with success in dialing their numbers.

If you don't want to dial the complete number (18-digits) -

- a) get a BOX number (9-digits)
- b) use your rig's autodialer (2-digits?)

## Wrist Camera

Casio's model WQVID-8CR Wrist Camera (\$230) is an amazing little device, and undoubtedly the beginning of an important trend. One push on the big silver camera button turns the inch-square screen on your wrist into a viewfinder that lets you electronically look through the pinhole lens on the far edge of the watch, and another push snaps an e-picture. 100 photos fit into memory, each 120 pixels square with a 16-shade gray scale. The wrist camera is reportedly a lot of fun to operate and a new model, due in August, will take color photos. See samples of the Triscuit-sized photos at:

[www.camborg.com/bestof2000/index.shtml](http://www.camborg.com/bestof2000/index.shtml)

## Propagation

There are many propagation programs out on the market these days and some of them are rather expensive.

You might want to check a Windows program by **W6EL** who used to sell MINIPROP PLUS 2.5 but is now offering **W6ELProp (Ver 1.00) FREE**.

Check into -

[www.qsl.net/w6elprop/](http://www.qsl.net/w6elprop/)  
and follow the directions for downloading the FREE Windows program.

Program will calculate the propagation predictions for every hour of the day and for up to 8 different frequencies all at the same time for any spot on the earth!

## Patch Problems?

There is a autopatch monitor at **W9FQN's** QTH where he is able to see on his computer screen all sorts of information about the call being made.

If there is an error of some type, the computer prints white letters on a red background. If everything is working properly, the computer prints white letters on a blue background.

Other information using various colors shows PIN, dialed sequence received and phone number dialed, your callsign, your dues expiration date, and your name.

From time to time other items are put on the screen in bright white flashing characters.

The computer screen day after day lists the calls made and the screen is almost always blue. In looking at the red screens most often someone has miss dialed and then immediately corrects the error.

If you are having problems with the autopatch, we are not aware of it! The screen is almost always blue.

Some members are using high speed dialers with the 1st digit entered twice so that all of the relays pull in before the computer receives the 2nd digit and the system handles these dialings easily.

- You have a choice in dialing -
- a) dial all 18 digits for your number
  - b) dial a 9-digit BOX number
  - c) press several keys on your autodialer

If you have problems, contact **W9FQN** at meetings or via the autopatch e-mail drop of **W9FQN1@juno.com**

## Standard Gin *(hic)*

Early in 2002 there will be a TIA/EIA standard on gin poles that will pretty well tie down all of the particulars of a permitted pick. Everything will be spelled out. The impact on you will be that you'll want to reference that spec. in any contract you sign for tower work.

Picks not permitted by the spec. will require an on-site professional engineer to supervise the work. You need to be

familiar with this to avoid potential liability. The proposed spec. is TIA/EIA-PN-4860-Gin Poles. After you read it, you'll be able to tell a "rooster head", "bridle" and "basket" from one another.

San Francisco SBE Chapter 40 Newsletter, May 2001, Roy Trumbull, Editor <roy547@msn.com>. Reprinted from Tech-Note #81

EIA specs are sold by Global Engineering Documents: 1-800-624-3974. The few I've gotten from them weren't cheap. The (final gin pole) spec won't be published until 2002. For the draft document, I'd check with NATE (National Association of Tower Erectors); they're on the web. Roy Trumbull

## Mercury

Transmitter hunting is great fun and it is too bad that the club does not sponsor events with hidden transmitters since it is a skill well worth knowing.

A month or so ago one of our hiking party was "lost" (at least we did not know where they were) and their descriptions of where they were located did not yield the proper results.

So your editor asked them to make a transmission and he immediately was able to pinpoint the direction which they were away from us. And if one follows that direction, you will end up finding the lost.

Well, the method used was the old handi-talkie in the stomach method of DFing and while it works, there are other methods a little more sophisticated then using the mass of your stomach as an RF absorber (some of us have more mass than others!).

One such method is using the Doppler effect with rotating antennas or electrically rotating antennas.

So if you are interested in seeing how one uses physics (really the mathematics relative to the Doppler effect) to calculate the radial velocity of Mercury and the rotational period of Mercury, just go to -

[http://daphne.palomar.edu/mlane/ASTR120/projects/merc\\_sm.pdf](http://daphne.palomar.edu/mlane/ASTR120/projects/merc_sm.pdf) and fire up that old calculator (better use scrap paper for the subtractions)and

start crunching numbers.

*(the problem was given to your editor by his daughter N6QDB who is taking an astronomy class at Palomar College)*

## Contests

Harry Hodges W6YOO@amsat.org

- Jun 30-Jul 1 Venezuela SSB Contest
- Jul 1 Canada Day Contest
- Jul 4 QRP Sprint Contest
- Jul 14 IARU HF Contest
- Jul 14 CQ WW UHF Contest
- Jul 14 SEANET CW Contest
- Jul 21 Georgia QSO Party
- Jul 28 Venezuela CW Contest
- Jul 28 Islands on the Air (IOTA) Contest
- Aug 4 North American QSO Party, CW
- Aug 4 ARRL UHF Contest, 220 MHz&UP
- Aug 5 Romania DX Contest

From HF to CW, HF to Gigahertz, State QSO party to Worldwide Contest. What more could a contester ask for. The rules for any contest can be found in QST, CQ, NCJ, and Worldradio magazines. CU in the contest. Harry, W6YOO

## Simplex

The ARRL national simplex frequency is 146.520 and many cities monitor the frequency for people looking for help although these days with the proliferation of repeaters, the 146.520 frequency is probably being used less and less. On 70cm it is 446.000.

**WBOYCQ** Berand who lives or resides in Oceanside has for years pushed the 146.535 simplex frequency and when you are in the area you might want to check to see if he is monitoring the frequency or checking his refrigerator.

The hiking group likes to use 147.555 (triple nickel) when mobiling as a group or near their destination ..or while on the hike with several groups.

*(if someone will copy the simplex channels and send them to your editor in an e-mail, they will be published next issue)*

## Space Tourist

The world's first space tourist, Dennis Tito, has called the ham radio contact with his sons in California the most poignant moment of his trip to the Inter-

national Space Station.

The great publicity for amateur radio was wonderful!

*(Amateur Radio Newslines #1239)*

## Aircraft *(wild photos)*

<http://www.airliners.net>

URL courtesy of Bob Anderson, XETV/Fox 6

This site has many photos of airplanes doing unusual things. Click on the small pictures to get larger ones which are much more interesting.

## UTC NO-CUT Si!

Some people think UTC stands for "Universal Coordinated Time" when in fact it means "Coordinated Universal Time." It is hard to tell which phrase is correct with the abbreviation "UTC."

To solve the problem, NIST (the U.S. timekeeper) has changed the abbreviation to "CUT" - at least on their Web Site Index page. With the new abbreviation you can remember the proper word order even if you don't have a lot of time on your hands.

[http://www.nist.gov/public\\_affairs/siteindex.htm](http://www.nist.gov/public_affairs/siteindex.htm)

## Illegal?

**Best Buy** had a sign up saying that it was illegal to use a cell phone when driving. When I asked them what the law was, they stated that it was only a law that says that you cannot be distracted while driving.

*Howard Fine, SCFCC*

We heard the same story (illegal to use cell phones while driving), so we called the CHP and they confirmed CGC's understanding, that it's NOT illegal. However, I think that there's a generic law about not being in full control of your motor vehicle that an officer can use to give you a ticket if you're plainly not able to drive the car because the cell phone is more important....

Phil Wells, MCSE, San Diego, CA  
*(both de CGC's newsletter whose Editor is W6VRBob)*

# PARC NETS (06/01)

All 147.075 10-11pm MCW contacts  
 All 147.130 2130+ pm Facituous Group  
 Sun.146.730 8:30am AREmergency Service  
 Sun.146.730 10:00am Sunday Sailor's Net  
 Sun.147.075 8:45pm MARA Net  
 Mon.146.730 9:00pm Microwave Net  
 Tue.146.730 8:00pm Traffic Net (SDCTN)  
 Tue 146.730 9:00pm Off Rooding Net  
 Thu.146.730 8:00pm Traffic Net (SDCTN)  
 Thu.146.730 9:00pm Ham Help Net  
 (electronics, computers, antennas, license theory, etc.)  
 Fri.146.730 9:00pm Hiker's Net  
 Sat. 146.730 8:00pm Traffic Net (SDCTN)  
 Sat. 52.680 8:00pm 6m ARES Net  
 "other non-PARC nets"  
 Convair/220 Club: 224.900 PL 107.2 Hz  
 Mon 8:30pm, Tech. & News  
 Fallbrook ARC:146.175 + PL 107.2 Hz  
 Tues 7:00pm, General Discussions

**POSTMASTER:**  
 Send address changes to Scope,  
 P.O.Box 73, Vista, CA 92085

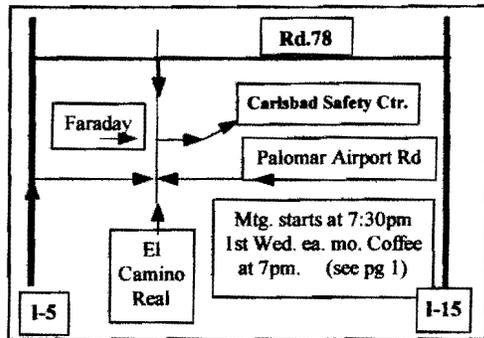
*Time Dated Material*

**Jul**  
 2001  
 pg.12  
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 1,552



**July 4th meeting  
 to be held on  
 July 11th!**  
 so that our members can go forth to  
 celebrate the Fourth!

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W9FQN Aug 01  
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## PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

## OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWG)

PARC Trustee of W6NWG: AB6QT

\*52.680- W6NWG, -0.5 MHz

Autopatches(4): 146.730-, \*147.075+  
 \*147.130+, \*447.000-

PKT: 145.050s (PALMAR/W6NWG-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

Intercom: 146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94- KK6KD(HARS)

\*447.05- & \*145.26- KK6KD(HARS)

\*146.175+ N6FQ(FalbrkARC) linked  
 to \*445.600 MHz (-)

\*224.90- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

\*=107.2 Hz

## Pg. NEWS WORTHY

- 01 Club program;
- 02 Board Mtg.; AGOGO; Last; Goodie; Fold & Staple; Board Mtg.
- 03 Officers; Treas; PresMsg;
- 04
- 05
- 06
- 07 For Sail; Wanted
- 08
- 09 Work parties;
- 10
- 11 Contests;
- 12 You are looking at it!

(do you always read the fine print?)  
 and even this?

## Repeaters in Use

Please schedule special repeater use at least one month ahead of intended use with W9FQN: none

## PARC 2001 Calendar

June 2001 -

06 Wed, Club Mtg.7:30pm,Carlsbad SafetyCtr

09 Sat, PARC Testing, Carlsbad Safety Ctr

10 Sun, Work party at repeater site

13 Wed, Board Meeting W9FQN QTH

(more fine print)

## Join the ARRL

**PARC Testing** - tests given each 2nd Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty AA6OM at 760-747-5872 or at [DuneDancer@worldnet.att.net](mailto:DuneDancer@worldnet.att.net)

**Register 5-7 days in advance for tests.**

**Escondido Testing** - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N.Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.

## Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

ARES Alert Publication

<http://www.qsl.net/sdgarrl/alert.htm>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>



# Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Aug  
'01  
pg.1  
-85-  
1,565

## Palomar Amateur Radio Club Inc.

also  
TV &

Scope (USPS #076530) Vol. LXXVII No. 8, Aug. 2001, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085.

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Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

**POSTMASTER:** Send address changes to SCOPE, P.O. Box 73, Vista CA 92085-0073.

See pg. 12: PARC Frequencies, Club Officers, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

## Club Meeting

Charlie Ristorcelli

NN3V@amsat.org

(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

### Next Program

The August program will be about the recent trip to Cuba by Gayle Olson **K6GO** and Barbara Rohrer **KA6FPS**.

A powerpoint presentation has been prepared which will show some of the sites they visited in Habana, Cienfuegos, Trinidad, and the Bay of Pigs.

They went for educational purposes and visited schools, but also saw multitudes of old cars, Hemingway's house, and had an extensive interactive visit with 3 radio hams.

## Coming Events

Aug. 1st, Wed - Club Mtg. (Program)

Aug. 5th, Sun - Work Party Rpt Site  
(install 3 antennas)

Aug. 11th, Sat - VE testing CBSC

Sept. 30th, Sun - Club Picnic

Nov. 7th, Wed - Club Auction (Mtg.)

Nov. 24th, Sat - Toys for Tots Run

## November Auction

The club's annual club auction will be November 7th this year so start in now checking your garage for those valuable items what you would like to party with (get rid of) so that you will

have more room for those items that you buy at the auction.

## September Picnic

The club's annual picnic will be held at **Lake Dixon** in North Eastern Escondido on Sunday, September 30th so be sure to reserve that date for a day of amateur radio fun.

If you have any suggestions for things to do at the picnic, contact **KF6WTN** Mark with your ideas. See page 12 for how to contact him.

## Club Election

At the last Board Meeting the Board instructed the VP, **NN3V**, to form a nominating committee to present their recommended slate of officers for the year 2002.

The committee will make its report at the October Club meeting, nominations from the floor will be at the November meeting, and the club election will be at the December club meeting with installation of officers taking place at the end of the December meeting.

## Club Membership

Al Donlevy

aldonlevy@juno.com

More New Members Joining

PARC: **W9NCR**, **KD6GMS**,  
**KG6GXQ**, **N6CUY**, **W6KY**,  
**KG6FWP**, **KC6OLD**.

When you hear these calls on a repeater, greet our new members.

Please check your label for information on when your membership expires. July is a big month for renewals, and as this issue of the SCOPE was sent to the printer, we still had 75 members that have not renewed their membership, which will expire in July.

Again, I plead with all that move or change address, Please let us know. The Post Office charges us \$.60 each time we get a SCOPE back, or get advice that it was forwarded.

73 and Thank you. Al

## FD 2001 Report

Well, another year gone by, another Field Day completed. It all began Friday night, June 22nd, and was over on Sunday June 24th.

PARC once again ran a 5A set-up for FD, and this year's FD brought some new accomplishments to the Club's team, that I hope to relate over the next couple of articles. But first let me go over the important facts about the operation.

The band captains for the stations we ran were:

20/80M CW: **WN6K** (Paul)  
20/80M SSB: **KF6BFI** (Ted)  
15/40 CW: **NN3V** (Charlie)  
15/40 SSB: **KR6BT** (Merle)  
10 M SSB: **K3PXX** (Terry)  
Novice/Tech: **KC6VDX** (Bob)

We also ran two unique stations.

The solar station amounted to the conglomerate of the Novice/Tech station, and the solar power was provided by KE6ZLY ("sparky" Glenn). We also were privileged again to see a FANTASTIC demo of Laser communications, run by W6IZW (Kerry Banke).

For those of you who need to know point scores (this year's theme was to get new people involved, and I will discuss that in a later article) here are the numbers:

Band	CW QSO		SSB QSO	
	Pts		Pts	
80M	100	400	22	44
40M	178	712	55	110
20M	773	3092	659	1318
15M	378	1512	407	814
10M	0	0	86	172
10MN	0	0	24	48
6MN	0	0	43	86
2MN	0	0	27	54
	1429	5716	1323	2646

That is a total of 8362 points.

In addition, we made some "extra" points from the following:

Media involvement:	100
Public Info booth:	100
5A status:	500
SSTV demo:	100
Laser communications:	100
Section manager msg:	100
Solar message:	94

That gave us a total of 1104 points "extra credit" for a grand total of 9466 points claimed to the ARRL. Final ARRL point tally will appear in QST, usually reported out sometime between October and December. Stay tuned.

While many other individuals were involved in getting us through FD this year, let me thank KF6WTN (Mark) for a fantastic "Road Kill Cafe" operation, and AC8Q (Roger) and his lovely YL Liz for the Exceptional Public Media news campaign they ran.

For all those interested, keep watching the TV program schedule. CTN (Channel 27 on Time Warner cable in the North county area) sent a TV news-camera team to the site, and is going to run a TV news segment about the PARC FD op sometime soon.

73 es see you at next year's FD de NN3V

## Long AGOGO *(history)*

W6GKZN-K6HAV-K16JM(sk)-W9FQN

*(The purpose of AGOGO is to recall info on file in previous editions of the Scope -Ed)*

(08-00) ...program on rig features ..participation pt listed ..FD ..Iron Man ..Sept '46 QST ..Survey ..SB 1714 ..packet into sunken building ..laser voice beam...

(08-91) ...73 attended with 6 guests ..FD Info ...possibility of new repeater building ..project list ..FD totals ....

## Board Mtg. *(Minutes)*

David Patterson WB6DAV@Juno.com

Next meeting at W6GNI QTH

*(Club members are invited to Board meetings at Board members QTH's at 7pm on the Wednesday following the club meeting s announced herein. You receive one participation point for attending. A copy of the complete minutes are at the general meeting.)*

Board Mtg. July 18th, 2001.

*(in the absence of the club secretary, several Board members took notes but none made it to your editor for printing)*

## Last meeting *(not quite)*

Attendance was 66 with 3 guests.

Great program on old time digital communications (Teletype) by Don House, Curator of the N.American Data Communications Museum in Fallbrook.

## Goodie Table

"Goodie" donations came from ???  
You *(will)* receive an extra activity point for your generosity. *(if we know who you were)*

W6SSTJimEgerton took care of the Goodie table.

## Emergency Traffic

*(The following is taken from amsat-bb@AMSAT.Org, Mon, 25 Jun 2001 -Ed)*

Interesting thought. However I have found through experience that emergency voice transmissions have their place within the immediate "happening" area to a relay / forwarding station but are utterly useless for forwarding communications. Anyone doubting this statement should have been in Hawaii

during Hurricane Iwa or Hurricane Iniki. My thoughts on the subject is as follows:

Should there be a major disaster as mentioned above, all voice operation on FM satellites should be suspended until the emergency has passed. Digital communications are faster, more reliable and should be the only means in a forwarding situation. So, get your packet TNC's out and bone up on its use. That is when you will shine!

This brings up another subject. Is there on the West Coast of CONUS anyone who would volunteer to come up on packet and handle emergency communications from the Hawaiian Islands should a major disaster descend upon us? Any packet BB's out there who could be converted to FM satellite use for the duration of an emergency? That would be another avenue to take the pressure off any other available communications route.

On the subject of digital satellites and possible the FM birds, what would be the legality of passing MARS, FEMA, Red Cross or any other authorized emergency traffic over those satellites mentioned? Any thoughts on this subject?

Please reply direct since I do not wish to clutter the AMSAT-BB more than it already is. 73, Peter, NH6VB. ALOHA.

## SOS *(The mystery of the strange SOS signal)*

This is a story about a search and rescue, a very weak distress signal, and the Fire Department. The search and rescue started on Saturday and lasted for parts of three days. We kept hearing this faint SOS signal which appeared to be coming from an area near our front yard, but as we approached the area, we got confused somehow, and it then ap-

Thanks for helping at the Del Mar Fair.  
Your received one extra activity point!

	Fri.29	Sat.30	Sun.1	Mon.2
10-2	W6YOO N6TCB	WA6WTN	KF6BFI Menchie	KF6EFN KE6ZLY
2-6	KB5MU W6HCD	N6K1 KF6YVQ	KG6GQU KG6BQR	KF6NXY KD6FWE
6-10	WB6NUV N8WP	W9FQN KA6FPS	KG6ECW K6ICY	N6VS KA6PEG

peared to be coming from a different direction.

After parts of three days we (the search and rescue team) began to wonder if our minds were playing tricks on us.

It all started when we let our cat, Freckles, out the front door on Saturday morning for her daily outdoor adventures. She generally stays outside for short periods of time--off and on through the day. This day she did not come and go, and did not show up for her supper.

For parts of three days we searched diligently, calling and asking neighbors if they had seen her, and checking trunks of cars, garages and storage sheds.

On Sunday evening, after dark, we heard this weak SOS, meow, meow, meow. It appeared to be coming from a nearby hedge in our yard. We made a thorough search of the hedge with flashlights, but we did not find Freckles.

Monday morning we heard a very weak SOS again, meow, meow, meow. We searched diligently in the direction it appeared to be coming from--which was

the hedge again--but in broad daylight we found no signs of a cat. As we walked away from the hedge, in any direction, the signal got weaker and weaker.

The search and rescue team (Glenn, Gloria and the next door neighbors) started to go "bananas". Where in the world could this distress signal be coming from? Then one of the members of the team (Gloria) happened to look up, and there on the cross arm of the power pole was Freckles.

We called the Fire Department and they said, "We don't do cats", it will come down on its own eventually. We thought of calling the Cox Cable Co. but decided we'd make the rescue ourselves. I climbed up to Freckles on a tall extension ladder, and assured her that she would be all right. But after getting up there I did not feel secure carrying a cat back down the ladder. We decided to put her in a basket and let her down with a rope--which worked very well. To show her gratitude she rolled over and over and over.

After the whole thing was over I sat down to rest and I couldn't help but compare it to a "T" hunt--the cat being the transmitter. It had all the ingredients and adventure of a great "Transmitter Hunt", but to Freckles it was a matter of life and death and for her I am sure it was a very stressful three days.

To the Fire Department it was just another cat on one of their poles but to our household it was a sad time as we thought we would never see her again after being missing for three days.

radio.

I guess I had my head in the sand because what I found on the subject amazed me. There were several sites that I discovered. One of the popular ones is groups on Yahoo. There are over a hundred groups related to amateur radio. I never would have guessed that Yahoo had anything related to that subject at all. Another group listing was on [www.eHam.net](http://www.eHam.net). Forums and groups appear on all of the ham web sites. I guess I never took notice.

I decided to post a message about one of my micro HT's and see what type of response I got. Well in about a day I had four answers to my question. I wanted to pass this along to all of you in case that you are like me and only used it to searched for information that I'm looking to get.

Forums and groups are a good way to get info on just about anything. Try going to Yahoo or eHam and look at the list of topics. You'll probably be amazed as I was when I first saw the list.

Hope you amateur radio experience on the Internet, and in these summer months outdoors, is as enjoyable as mine. 73's Allen

## Scope

The club newsletter was named the Scope and we suspect that it could have been named by Mable Field. Here is a note from editor #2 about Editor #1:

*(de K6HAVRalph Crossman)* "I believe that the newsletter, which was edited by Mabel Field was named SCOPE when she had it and passed it off to me. Where it actually came from I know not."

Before Mable Field, the club sent out one page notices on an irregular basis.

K6HAV used to make up the newsletter on an old RTTY machine and the Scope was 14 inches long and printed on both sides. Before leaving for Salt Lake City, Ralph produces some of his last newsletters on a new computer.

**Treasurer \$\$\$,\$\$\$**

Jo Ashley  
KB6NMK @amsat.org  
See me at club meetings for "hard copies" of financial statement(s).

Location	02.28.01	06.30.01
CD179-1311891-8	3,000.00	3,064.21
CD8761216457-6	2,399.52	2,447.84
CD8761216625-9	2,556.74	2,598.29
CD8761216778-6	2,513.86	2,53.32
CD8761391556-4	3,049.16	3,098.89
Checking 010566	4,331.50	3,493.68
Post Office	100.45	102.80
Ca\$h+CD's	17,951.23	17,369.03
LongTermReserve	9,000.00	9,000.00
Pre-Pd.dues/hab projects/available	7,371.00	6,233.00
	<b>1,629.00</b>	<b>2,767.00</b>

Last month's Scope Helpers:  
Thanks to Art and Anita for the folding space and the refreshments. Really great cookies. *(the greatest!)*

## President's Message

Allen Maslowski N2DCA@amsat.org

My wife is very interested in classic movies. While searching for information on a particular subject related to the movies she came upon a forum on one of the movies web sites she frequents often. When she told me about it, it got me thinking. I wondered if there was any related to Ham

KB6YHZ Art Nye	&	KB6YHY Anita Nye
K6ML Jim Paquin	&	Emma (xyl of K6ML)
N6UZH Terri Brewer	&	MY2KID, Kimmy & Toby
KB6NMK Jo Ashley		KG6AEW Bill Owen
W9FQN Stan Rohrer		N6OYG Victor Musil
KC6WAN Ralph Powell	&	Sylvia (xyl of KC6WAN)
W6HCD Nash Williams		WA6UTQ Larry Ruegeger
WA5ACE Sonny Stires		

(more next month -Ed)

## FD Laser

Saturday night we made our second annual Field Day Laser Pointer demo from Palomar Mt. to the PARC (Palomar Amateur Radio Club) site in Valley center which this year was a distance of about 15 miles. We had a great (and unexpected) compliment of present and past Qualcommers participating this year.

Phil Karn manned the Valley center end while Paul Williamson and I drove up to Palomar Mt. and handled that end. Roy Davis and others joined us at the Palomar location. Last year we demoed full duplex voice using bare laser pointer without any additional optics on the Lasers. This year we added beam expanders as an experiment along with demoing PSK31 and SSTV.

On the Palomar Mt end I was running a 50mm expander which expanded the beam out to about 1.5". On the other end was a smaller expander producing perhaps a 3/4" beam. The pointing proved to be difficult but doable using feedback from the opposite site. Both visual observation on the far end was used as well as feedback of the receiver audio over a 70cm link.

We basically flashed a light from the Palomar Mt. end and the Valley center crew lined up their scope on the light. At that point the Valley Center laser was slightly visible from Palomar & feedback was given to help with final pointing adjustments. I tried initially to return a Laser beam from Palomar by aiming at the Laser spot being received from Valley center but they were unable to see our Laser. I suspected that the alignment between our rifle scope and laser unit had been changed due to handling and riding up the hill in the truck so I pointed the laser at some trees maybe 200 yards away and found the laser beam was not in the center of the scope but was almost off the scope at about the 2:00 position.

I quickly realigned the laser to the crosshairs on my scope and then pointed back at the Valley Center Laser spot.

The spot was immediately seen as I moved the main tilt/pan control to sweep the site. The large beam expander form my end proved to be too narrow to maximize pointing without very good feedback. We were able to do a fair job with the techniques used but never ended up with the brightest portion of the spot on target at the Valley Center end.

Comments were made that the beam on that end looked to be only 3-4 feet wide and could be seen on the water tank behind the laser setup! The scintillation was heavy as the Laser beams appeared to "twinkle" heavily especially early on in the demo just after dark. Unfortunately we had some type of audio connection problem at the Valley Center end which made receiving the PSK31 and SSTV more difficult on that end.

The demo of both of those modes were received perfectly at the Palomar end. There was some media coverage of the Field Day site events & I'll send out a notification once I have more info on this.

I do want to thank Phil for taking on the challenge of learning to work the entire system including the PSK31 and SSTV software with probably less than 1/2 hour of overall instruction before Paul & I headed off to set up the Palomar end. I also want to thank Paul who made sure we got through the winding backroads to Palomar and handled most of the liaison radio communications. It was great having Roy show up with a number of observers. Any comments from other participants or observers?

So the question now becomes - What might be interesting to do for a demo next year?

- Kerry N6IZW -

P.S. The "Computer Guy" is Phil Karn, KA9Q who is also another QC Ham. He came up with TCP/IP for packet radio & is working on new projects with AM-SAT.

Stan - We had a good time up on the hill. Roy and several others showed up while we were setting up & stayed through the demo. That's a good location as it pretty well covers West through South with no blockage. We ended set-

ting up about mid way on the turnout as the PARC site direction was easily visible from there.

With the 24X scope the water tower had fairly good definition but it was already getting dark by the time I got setup. I'd say the beam on our end was maybe 10-15' or so as we could easily walk through the brightest spot which was about 5' to our right at the end of the demo. This proved that the larger beam expander was too much to handle without very good feedback such as the reflector on Cowles.

I ordered a true retro reflector off Ebay but it didn't arrive in time. I would have liked to see if I could have seen a reflected signal and used it for aiming. I think I'll back off on the beam expanders except for trying real DX.

The next thing I'd like to explore is using spatial diversity to reduce the scintillation due to the heat waves. I'm thinking about several lasers spaced maybe 6-12" inches apart which all point at the same location. I'll see what info I can find on that. Maybe next year we can do something different like a shorter range video/audio link or something. I think that having some distance between the sites like the 15 miles does add to the effect though. Thanks for all your help. We never made it to the La Mesa site which really surprised me. I suspect he wasn't looking in the right direction as it looked like a very good possibility when I visited his home Saturday morning. The other issue might have been he was using hand held binoculars without any support.

I really like the 24X rifle scope mounted on a tripod for serious watching. It might be interesting to make a tripod mount for my 50mm binocs. Let me know if any pictures show up of the demo. I assume we got enough info across to count as a FD contact(s). Thanks again - Kerry N6IZW -

## N6GNB & N6GWJ

By the time all you great hams read this We will be in our new Retirement Home with no HAM radios. (7/09/01)

With Mickey's bad back and The

Arthritis hurting my legs and ankle joints we just could not take care of the house any more.

It has been great fun enjoying working with you all on HAM radio for the past 30 years. Thanks again.

Albert (N6GNB) and Mickey (N6GWJ)

Albert & Mickey Fahnestock  
1650 East Old Badillo Street  
Covina, Ca. 91724-3163  
(626) 251-2278

## FD 1999 PINS

The following people have paid for these pins and are being held for delivery by Merle Risdon KR6BT: Aaron K2RP, Don WD6FGN, David KF6PZR. Please make arrangements to pick them up by calling 760-941-0213.

I will hold them for an additional 60 days and then consider them a donation to the club for sale at a general club meeting. 73, Merle KR6BT

## WA6ODQ SK

There are times when we must pass along information, that we would rather not pass along. This is one of those times. Through out the last 10 years, I have had the pleasure and privilege to meet and work with many Amateurs. Some of the hardest working folks you

could ever hope to meet.

On Sunday, 26 hams were working as Communicators for our I Love A Clean San Diego Beach cleanup. All dedicated people. One ham, like many others, has been at everyone of the cleanups since we began providing communications almost 10 years ago. This day would be different though. This day, we lost a friend.

Walt Davis, WA6ODQ was working the event at Dog Beach, and some time during the event he became a silent key. We became aware of this after the event, when Walt failed to check in with the events results. After sending another ham to check on Walt, we found out the sad news. Walt passed away, doing what he loved most, ham radio, and public service!!

Walt will be sorely missed thru out the San Diego ham community. In memory to Walt, I invite you to send me some brief comments about your feelings towards Walt, and I will compile them, and present them to his family at a later date.

Thanks much Walt, we will miss you.  
Best 73. Tuck NZ6T  
San Diego Section Manager  
NZ6T@arrl.net

Hi Bob,

Walt Davis/WA6ODQ passed away on June 8, 2001. Walt was with us on the TACO Net for those many years when we were handling traffic with our Baja

California XE ham friends in the 1960's and '70's. You may remember Walt. The e-mail message I'm forwarding herewith from his ham grandson is in two parts. I hope you receive both.

Since Walt lived in the San Diego area, I've had the pleasure of knowing him personally. As it turned out, Walt was a life member of Flying Samaritans, and was a pilot and co-owner of an aircraft with the Sam's co-founder, Dr. Dale E. Hoyt. Walt gave me his Flying Samaritan medal of recognition for outstanding contributions. I plan to photograph it and then offer the medal to his family.

Please pass this along to hams in the Los Angeles area who may have known Walt. He was there on the radio when you needed him, and was as you know, a very competent man and cooperative ham. 73, Nash/W6HCD

Greetings, my name is Ian Thurston. For those of you who don't know me, I am Walt Davis's grandson. On Sunday, July 8th, my grandfather passed away of a quite sudden heart-attack. (cardio-arteriosclerosis). It was quite unexpected, and took us all by surprise.

My granddad passed while doing what he loved, his amateur hobby. He was very much into amateur radio, and interested me so much, that I too became a licensed operator when I was barely out of junior high school over 7

# HAM

# RADIO

H  
R  
O

# OUTLET

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

**KENWOOD**  
*of CONCEPTS*  
**DIAMOND**  
**US TOWERS**  
**KANTRONICS**  
**YAESU**  
**MFJ, ICOM**  
**BENCHER, Inc.**  
**HUSTLER**  
**COMET**  
**AMERITRON**

**Astron,**  
**AEA,**  
**OUTBACKER**  
**Larsen Antenas**  
**TEN-TEC**  
**hy-gain, Tri-EX,**  
**cushcraft**  
**and**  
**others too**  
**numerous to**  
**mention!**

Drop in to see our display of working equipment.  
Find out about Pkt location determining equipment (APRS).  
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: 10a.m. - 5:30p.m.  
**Monday thru Saturday**  
858 560-4900 or toll free 1-800-854-6046  
5375 Kearny Villa Rd, S. D.

Ask about our great prices

Dec-98

**Directions:** On 163, take **Clairemont Mesa Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and **HRO** sign. Be sure to see our equipment in action on **real antennas.**

years ago.

Some have already contacted my family to convey their deepest thoughts and emotions. You may at your own discretion, send any cards, condolences to his PO Box as listed below, care of Davis Family.

Before his passing, I had registered our callsigns as websites, his, [www.WA6ODQ.com](http://www.WA6ODQ.com) will be up shortly, and in his honor I hope to display a guestbook for anyone to sign.

Walt is survived by his family, immediate family to include his wife Jacqueline, his three daughters, Christina, Roxanne, and Heloise. Walt also had the opportunity to meet his great-granddaughters, Alyssa and Hannah, before his passing.

If needed, you may contact me at [thurston@earthling.net](mailto:thurston@earthling.net), as this account may soon be disconnected.

v/r,

Ian Thurston, KE6CBL

U.S. Coast Guard Telecommunications Specialist 2nd Class (radio runs in the family)

(415) 235-1811 (cel)

Walter D. Davis, WA6ODQ (August 26, 1926 - July 8, 2001)

PO Box 36

Ramona, CA 92065-0036

760-789-7954

[wa6odq@arrl.net](mailto:wa6odq@arrl.net)

## Pictures Pictures

Missed Field Day? How about enjoying a photo tour of the Palomar Amateur Radio Club Field Day site this past June? You can enjoy another photo tour from Paul Williamson KB5MU:

"<http://ptw.dyndns.org/kb5mu/ham/fd2001/index.html>"

Click: PARC FD 2001 Photos

You will find hundreds of pictures from the PARC Field Day site in Valley Center all unedited. This webpage also includes a link to the PARC's site...

**- - - E-mail - - -**

**Swap Net:** Every Wednesday evening at 2030 local time on 3.908 there is an 80 meter swap net. 73, Berand -

WBØYCQ

**Blackouts:** This is the latest information from SDG&E as of July 17, 2001. It is their new web site for Rolling Blackouts. You can get there two ways, one by going to the

[www.sdge.com](http://www.sdge.com)

and work your way to the new site or you can go direct by

<http://blackoutstatus.sdge.com>

and it will take you right to the web page. Now what you need to know is your Block Number and Circuit Number that is on your last bill from SDG&E. Go down the list on the left side to your Block Number and then click on your Circuit Number. Bingo there is your Blackout map. You can print out a map of your Blackout area to look at. Good luck, Gerry *KC6BJM*

**Fun Pictures:** Here are some pictures for your entertainment (de Paul KB5MU) ...

<http://ptw.dyndns.org/kb5mu/photo/palomar200106/index.html> - pictures I took on June 20 walking from my house on Fern Meadow to the post office and back.

<http://ptw.dyndns.org/kb5mu/ham/fd2001/index.html> - pictures from the PARC Field Day site in Valley Center. Lots of pictures. 258 of them. Unedited. A fast connection (or lots of patience) might be needed.

**NY Cell Ph Ban:** New York is to become the first state in the nation to ban hand cell phone use by drivers under legislation introduced by Governor George Pataki. According to AP (6/21/01), violators could be fined up to \$100 beginning this December.

<http://www.wicz.com/news/news.asp?m=v&a=2281>

(News tip from Linda Rohrer N6YZZ & others via W6VR)

**Phone + Photos:** Emergency Telephone numbers for San Diego County in MS Word or Web format at URL:

<http://ac6v.com/>

Also PARC Photos and EARS Photos for field day.

73 From Rod *AC6V* In San Diego

**Correction:** There is a misleading statement in the "non-minutes" of the "non-meeting" of the PARC Board, which appeared in the July Scope. The San Diego Section of ARES is NOT planning to cease using the PARC repeaters.

The PARC repeaters are a valuable asset for emergency and public service communications. ARES appreciates the effort which has been put into building and maintaining the PARC repeater system. ARES also wishes to thank PARC for allowing ARES to use the PARC repeaters. David *KC6YSO*

## Del Mar Fair

If you worked at the SANDARC amateur radio booth at the Del Mar Fair, Barbara, *KA6FPS*, would like to have you send her any comments or suggestions that you might have concerning the operation of the booth.

What would you change to make the experience better for those in the booth and better ways of snagging prospective amateur radio operators?

Send your suggestions and comments to:

[KA6FPS@amsat.org](mailto:KA6FPS@amsat.org)

## Picnic Suggestions?

What sort of demonstrations and activities would you like to see at the club's picnic this year?

Send you ideas and comments to Mark at [KF6WTN@amsat.org](mailto:KF6WTN@amsat.org)

In the past we have had -

Packet demonstrations

Antenna field measurements

Traffic handling instruction

Autopatch instruction

DFing instruction and finding one

Rig frequency measurement

APRS (GPS & packet radio)

Mobile SWR testing

Is there any interest in:

GPS units and their operation

Hiking with amateur radio

Canoeing with amateur radio

PSK31

So, what would you like to see at the picnic this year?



## For Sail

(7.11)Alinco DR135TP 50w 2m new \$250; Astron PsrSup 13.8v/16A new \$75; Cushcraft Ant AR2 2m new \$35; C.L.Ball N6HLY 858-538-0546.

(7.10)Heathkit-SB-200 amp. (10-80m) \$300; Heathkit SB200 6m amp. 700watts \$450; KENWOOD TMV7A 2m/440 mobile w/mobile mount -no separation cable \$350; ICOM 706 w/separation cable \$550; ICOM 471A all mode 420-450 mhz \$400; TIMEWAVE DSP 59+ make offer BIRD wattmeter w/SO-239 connectors w/slugs (50-125mhz,1kw) (50-125mhz peak mode max avg power 1kw) Manuals all gear except BIRD. No trades: Steve KO6ET@amsat.org

(6.29)Icoms IC-2100H \$139 OBO 5mo old w/instructions manual box & no mods; IC-T7H Dual Band Handheld \$139 OBO manual, box, gud condition, little use: KG6AZK 619-588-2493 jacox@home.com

(6.22)Icom R100 unblocked scanner 1-1856MHz \$400; Yaesu FT23 TTP-EC/DC \$124; Yaesu FT7005 TTP-EC/DC \$150;

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Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160 m).



Model BA-58 (for RG58, RG8X & similar cables up to 1/4" dia. \$7.50 + tax + \$6 S&H/order

Model BA-8 (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

#### TUNER-TUNER

Tune your tuner without transmitting. Save that rig! Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You have a 1:1 SWR.

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See catalog at [www.Palomar-Engineers.com](http://www.Palomar-Engineers.com)

Please check our complete ads in QST, 73, CQ, and World Radio magazines.

Personal equipment ads are free to members and could be "bumped" after 3 mo. Make up your ad like the ones below and send to Editor, W9FQN, 30311 Cir. R Ln, Villy. Ctr. CA 92082, (W9FQN@Juno.com) before the 20th of each month.

Commercial Ads in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. W9FQN@Juno.com

Yaesu Spkr mic \$30 & VOX headset \$20; Yaesu(2) NC29 chargers \$50ea; Yaesu NC37 charger \$55; (above OBO + 4 batteries); Complete listing of above and other items at meeting (see W9FQN); Stu K6EXL 760-757-9208.

(6.19)MOVING SALE - Icom IC-735 160-10mtr xcvr \$400; Complete packet station including computer \$250; 160-10m trapped dipole \$25; Hy-Gain TH5DX 5el tri-band beam \$75; 11el 2m beam \$30; Hvy Duty rotator \$25; Cushcraft 2M/440 vertical \$25; Coleman 1.5kw gas powered generator \$250; Swan 200w-2kw SWR meter \$25; Heath Cantanna dummy load \$25; Heath Digital Electronics course w/ breadboard \$30; All band portable SW rcvr \$25; Computer furniture, coax, lots of other stuff: Scotty KH6TL @ (760) 727-8836, 390-1980 or KH6TL@juno.com.

(6.15)30' guyed tower free to PARC member who will help me take it down in Vista, see picture at - <http://members.home.net/jelliott2k/tower.htm>: jelliott2k@home.com 760-941-8325 Jim WA7FUI

(6.13)10m all mode mobile radio shack HTX10 \$75: Curt 760-310-6642 or KF6VHA@mymailstation.com

(5.25)Kingston 8-Port 10MB Ethernet Hub (also coax connections) & two 3COM 10Base-T network adapters (ISA), original package \$50: ka2blq@amsat.org

(5.21)12"HiFi spkrs(2) w/mid/hi range tweeters \$20ea: W2MRM 858-451-5690

(5.12)6ea color T.V. sets free: Lee KE6NLZ leonluce@nctimes.net Rainbow. 760-728-2078

(5.09)ESTATE KG6AMQ(SK) Sale-  
1. Yaesu YS-60 1.6 - 60 MHz Power & SWR Meter. Meter has 0 - 2 Kw power handling capacity. Mint condition \$140  
2. VCI V300M 300w HF ant. tuner \$85  
3. Yaesu SP-767 speaker and phone patch. Ideal for use as a phone patch and external speaker for any HF rig \$80

4. Radial Larsen 2m glass mt 1/2 ant \$40  
5. Van Gorden HI-Q 1-1 Balun \$20  
6. KB6MT High speed code course (3 cassette tapes & manual) \$15

7. Technician "No-Code Plus" FCC license preparation course. 3rd. edition. Question effective through June 2001 \$5

Prices negotiable to best best offer, contact 619-686-5607, or NN3V@amsat.org

(5.08)ESTATE: Realistic DX-160 SWL Receiver \$70; ICOM IC 740 HF xcvr with all accessories \$450: Eestate of KB6MLA, phone (760) 632-8677.

(05.07)Crank up/and tilt over tower installs like a telephone pole (no concrete footer required), rotor with thrust mount included, steel galvanized, commercial quality w/instructions \$475; 10, 15, 20 trap 3el yagi w/10m reflector \$100: Steve 858 451 5690 RB

(04.19)Swan Mark II amp 2kw pr of T-500Z's new pwr supply \$400; Kenwood TS520 new finals \$175; Rohn Foldover 54' twr w/HighGain 5el mono beam & Telex Tail Twister Mod T2x rotator plus 150' of RG8/U \$400: Paul W8VDH 760-726-5007 Vista.

(02.19)Drake MN-4 300 Watt Antenna Tuner \$95; Alpha Delta DXCC 80-10m shortened dipole \$40; Astron RS4A P/S \$20: Herb - KO6Z - 760-736-4095

(02.18)Ham radio station (complete) w/ Yaesu FT-1000D with antennas \$4,500; (best offer for following) MDIC8 Yaesu mic; Alinco DR1200T data radio; Packrat PK-232MRX data controller; Time Wave digital noise filter; MFJ-422BX Bencher paddle keyer; Bencher Iambic paddle, MFJ Versa Tuner 989C 300w; Tektronic 454 oscilloscope with probe; 12v Micronta Reg 12v P/S; Eico DC Reg 0-30v P/S; Astron 12v P/S RS20A; pkt cluster guide: Erwin AB5XE 909-301-8823.

(02.07)1kw in dual Bud cabinet 5'9x41" panel space 2(61"x19"), 4-plug-in coils 80, 40, 20,10, variable & fixed caps, uses 2

Jeff N6FRW

Grace N6WPA

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(12.14)Heath VTVM w/RF probe/manual \$35; KW SWR(separate sensor/meter) \$25; Selection heavy duty switches, coils & var. condensers for KW project; MAC Performa 630CD w/monitor, 56 modem, printer, scanner, lots of software/handbooks offer?; 2 ANTIQUES for bids (Circa 1925 Magnavox audio Fq. Amp. Type AC3, Mod. C, No.2236 using 3 type 01-A push-twist tubes, external 'A' & 'B' batteries; Circa 1933 Heintz/Kaufman Ltd San Francisco Radio receiver regenerative type 900 # 113, 3800-23000kc, US Patents 1,507689-1,907,806 \$400+); Larry W6LCT Vista 760.724.9996 B4 5pm or 7-9pm daily.

**WANTED:** (A few good men/women) ☒

(5.28)Wanted kit builder (elecraft k1 kit): Don KF6NMA Poway (858) 486-5927 donald@henkearchitect.com

(5.13)Wanted help in assembly and erection of Wilson 61' tubular twr: Mike K6QBZ@Juno.com or 760 751-9248 V.C.

(5.11)Wanted vibrator for 1956 ply-mouth car radio.mopar model 840; Vibrator is CDE C-3 12v 115cps. base DA. Cornell Dubilier: Joe Craig W6HLB joec@nctimes.net 760-757 1272

(04.20)Wanted - Kenwood TH-27 or TH-78 HT, any condx batteries OK. Dennis N6KI 858-271-6079 or n6ki@amsat.org

(03-19)Wanted: replacement Power meter for Yaesu FL-2100B linear for disabled Romanian Ham, any help greatly appreciated: Mark KD6TB (858)485-0513 or KD6TB@hotmail.com.

## Grab Bag at Mtgs.

At the next club meeting W9FQN Stan will have some more of the club's buckets of valuable junk at a table near the right wall (at least it is not the wrong wall:) small parts, radio books, magazines, HT belt holders, etc. Some items are priced 4/\$1 and other buckets 2/\$1.

## GM Interference?

GM creates Web link to aid mobile installations: In response to a request from ARRL, the General Motors Engineering Center has created a Web link to its official guidelines for installing radio transmitters in vehicles.

The Radio Telephone / Mobile Radio Installation Guidelines page is

<http://service.gm.com/techlineinfo/radio.html>.

Installation guidelines for Chrysler and Ford are reprinted, with permission, in the ARRL RFI Book,

<http://www.arrl.org/catalog/6834>

ARRL offers additional information about automotive RFI on its Web site,

<http://www.arrl.org/tis/info/rficar.html>.

## ARES

August 4 - ARES will provide communications for the 23rd Annual Pacific Crest Trail 50 Mile Trail Run. This event begins at the Mountain Empire School. Runners follow the Pacific Crest Trail to Mt. Laguna and return to the Mountain Empire School. Communications will use 80 and 40 M NVIS, supplemented with VHF simplex.

## WWV Survey

The future of the WWV/WWVB/WWVH time and frequency stations is to some degree in the hands of its users. A user survey is now underway and responses are due by September 30, 2001. If you use the WWV family of stations (your Radio Shack "atomic clock" probably does), tell your story via their online questionnaire.

The survey itself should take less than 15 minutes (and in most cases less than 5 minutes) to complete according to NIST, the National Institute of Standards and Technology. You need only fill out the sections that pertain to you. The online version of the survey is available at:

<http://www.timesurvey.nist.gov/>

**Join the ARRL. See our charming and talented treasurer, KB6NMK, for details.**

## Committee Chairmen

(appointed to serve Sept '99)

ARESinfo	-Dennis S	K7DCG@amsat.org
Attendance	-Stan R	W9FQN@amsat.org
ATV -Bills	KB6MCU	W6GIC@amsat.org
Auction	-Tod W	KF6BFI@amsat.org
Badges new -Al		W6GNI@amsat.org
Batteries	-David KD6EBY	DAT@Gerry.Palomar.caltech.edu
BBSMonitor	-Bill B	N6FMK@amsat.org
Billing: Ads/etc-	Lyell K	K6GYM@arrl.net
By-laws	-Paul KF6VIE	pdecicco@pondlaw.com
&	-Ron RWA9JCL	r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps	-filled	W6NWX@amsat.org
D.Mar Fair-Barbara R	KA6FPS	Tennis42@Juno.com
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech	-John K	WB6IQS@Juno.com
Historian	-Stan R	W9FQN@Juno.com
Interference	-Bills KB6MCU	W6GIC@amsat.org
Inventory	-Dennis B	dennisKD6TUJ@juno.com
MtgGoodies	-Jim E	Whisky6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-Stan R	W9FQN@Juno.com
Newsletter	-Stan R	W9FQN@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-Stan R	W9FQN@Juno.com
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Mark R	KF6WTN@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Charlie R	NN3V@ARRL.net
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag-	W6HCD	NashWilliams@Compuserve.com
Rptr Site	-Stan R	W9FQN@Juno.com
Rptr Skeds	-Stan R	W9FQN@Juno.com
SANDARC	-Sybil A	W6GIC@amsat.org
	-Bill S KB6MCU	W6GIC@amsat.org
SellerTable	-John K	WB6IQS@Juno.com
AstSWDivDir	-Walt	WA6ODQ@arrl.net
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuneDancer@worldnet.att.net
Training	-	W6NWX@amsat.org
TrusteeW6NWG	-Mike D	AB6QT@amsat.org
Web Site	-Frank L	KE6WOE@amsat.org

### (Net Managers) (see pg.12)

ARES Sun	-Stan R	W9FQN@amsat.org
StaffNet	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-Mike D	AB6QT@amsat.org
	-David D	KC6YSO@amsat.org
Hiking	-Ed	KF6DXX@Juno.com
	-Glenn P KE6ZLY	KE6ZLY@Juno.com
MARA	-Cathy KE61QU	W6NWG@amsat.org
Microwave	-Kerry B	N6IZW@qualcomm.com
Off Road	-Jerry A	jwak6pfp@cts.com
	-Dick W KA7AYT	rwilimek@home.com
Sailors	-	
Traffic(SDCTN)	-CharlesN6TEP	cmiele@juno.com

**Names** in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to W6NWX@amsat.org or P. O. Box 73, Vista, CA 92085-0073.

### Repeater Status 07.08.01

146.730+ : Normal  
 147.075- : Intermittent problem  
 147.130- : Normal  
 447.000- : No patch attached  
 52.680 : Not operational  
 146.700- : Packet Repeater Normal  
 145.050s : Packet Digi Normal  
 PALBBS : Bulletin Board Normal  
 AutoPatch: Fully Operational  
 ATV : Off the air?

### Work Parties

Aug.05, Reg work party Rpt Site  
 Sept.09, Reg work party Rpt Site  
 Oct.07, Reg work party Rpt Site  
 Nov.11, Reg work party Rpt Site

### Work Parties (trabajo)

(General workparties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)

#### Next general workparty:

Save August 5th for the next work party at the repeater site.

**Antennas:** need to install 3ea 4el folded dipole collinears replacing the antennas for 146.730, 147.075 and 147.130.

#### Last work parties:

(7.0?)**AB6QM**Mike drove to San Diego to pick up the 3 new 4-bay folded bipole antennas and delivered them to **KD6UQH**'s QTH in Vista.

(7.06)**KD6VHI**Mike and his sidekick, Steve, installed steel battery shelves in the block building for 16 of the 24 cells which we will be installing sometime in August.

(7.06)**W9FQN**Stan later in the day visited the site to replace an autopatch card which seemed to have an intermittent set of relay contacts and brought the board back for inspection and testing by **WB6FMT**Jerry.

(7.07)**KD6VHI** and Steve again returned to the site to work on the new battery racks in the block building.

(7.08)There was no regular work party on the 8th of July because the new antennas have to be tested before being installed

(7.09)**KD6VHI** and his supervisor, Mellody, finished up the steel rack work and bolted the racks to the floor which

## Technical, autopatch, repeaters, etc:

**AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)**

turned out to be a major task since the floor was not quite level.

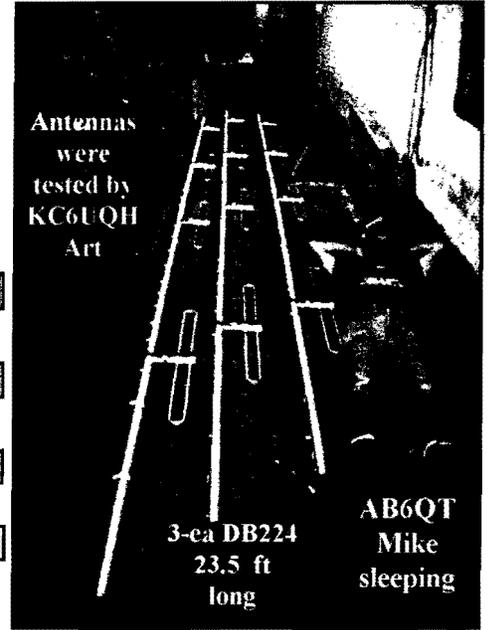
(7.14)**MARA** came to the repeater site and under the direction of **AD6VI**Steve and **W9FQN**Stan cut away trees and dead limbs in front of the block building using chain saws. Some of those participating (not all signed in) were:

**KG6GQT**Dalene, **KF6WX**ASusan, **WA6PTZ**George, and **KG6FTK**Vard.

**MARA** is the Mercury Amateur Radio Association and they use the 147.075 repeater for emergency nets. It will take 2-3 more trips to clear out all the brush. Anyone have a shredder?

(7.14)**KD6VHI**Mike, Mellody, and **W9FQN**Stan installed the new Qualcomm container at the back of the block building and fastened it to the cement slab. The container will be used to house the battery chargers for the 24 new 1,680 Ahr cells to be installed in August.

(7.17)**KC6UQH**Art, **AB6QM**Mike, and **W9FQN**Stan assembled the three new DB224's at Art's QTH where Art did the testing for SWR and proper radiation patterns. After 3 hours of as-



sembling and testing, they were pronounced "as advertised."

### New Antennas

The club recently purchased three new 9dB antennas (DB224's) for replacing the present 146.730, 147.130, and the 147.075 repeater antennas which vary in age from about 10 to 25 years old with the oldest bought

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"used." (146.730 Repeater -Ed)

The antennas consist of 4-folded dipoles in a line as in the picture on page 9. All elements are fed in phase

## KØJPK (again)

Over the years the club has experience interference from the KØJPK repeater locate on a hill back behind Rio Honda College. It is interesting that we are now hearing "ERROR CODE #3" or variations in response to some of our users getting into both repeaters.

Please report the various things that you hear from this repeater to W9FQN. E-mail would be great :

W9FQN@Juno.com

## Rptr Usage (73)

Club members are reminded that 146.730 is our club's primary repeater. If you have more private communications directed to a friend, it is suggested that you move off of 146.730 and take the conversation to 147.075 or 147.130.

Autopatches should always be run on 147.130 when it is not being used. When it is used, go to 147.075 for the patch.

## Autopatch Program

The club's autopatch program written in QBASIC has been modified so that by sending one letter to the computer, the patches can be configured from sending calls to our three patch entry points to the following configurations -

"w" sends all calls to the patch in Vista  
 "x" all calls go to Mira Mesa patch  
 "y" uses Vista, La Mesa, & Mira Mesa  
 "z" sends 619 prefixes to La Mesa

In the event of a phone trunk outage or failure of one of the patch locations, we can now automatically send calls to only the patches that are working.

In fact, we could "loose" two of the three patches and still have a functioning system during emergencies! We would be charged for the long distance calls but at least we would still be able

to get into the phone system.

We have been using the "z" function for the week of July 1st and everything has worked normally with the computer entering "1 619" automatically before all calls going to the 619 area. You might notice several "extra" beeps because of the additional 4 digits that need to be dialed.

On July 4th the autopatch programmed crashed when it had too many QBASIC statements exceeding some limit which we are not aware of presently in QBASIC. In the process, all dialed "zeros" got changed to "9's" for several days causing some of you to have calls directed to strangers when you had a zero in the phone number. Sorry about that, but the problem has been corrected.

## Contests

Harry Hodges W6YOO@amsat.org  
 Jun 30-Jul 1 Venezuela SSB Contest  
 Jul 1 Canada Day Contest  
 Jul 4 QRP Sprint Contest  
 Jul 14 IARU HF Contest  
 Jul 14 CQ WW UHF Contest  
 Jul 14 SEANET CW Contest  
 Jul 21 Georgia QSO Party  
 Jul 28 Venezuela CW Contest  
 Jul 28 Islands on the Air (IOTA) Contest  
 Aug 4 North American QSO Party, CW  
 Aug 4 ARRL UHF Contest, 220 Hz&UP  
 Aug 5 Romania DX Contest

From HF to CW, HF to Gigahertz, State QSO party to Worldwide Contest. What more could a contesteer ask for. The rules for any contest can be found in QST, CQ, NCJ, and Worldradio magazines. CU in the contest. Harry, W6YOO

## Hams

Ham radio operators never die; they just fade out...

## Silver Plate Copper

Where can you buy the chemical that silver plates copper? Try Cool-amp's website at:

<http://www.cool-amp.com>  
 de Fred Vobbe, WLIO(TV),  
 W8HJU

The company that makes it is:

Cool-Amp Conducto-Lube

15834 Upper Boones Ferry Rd.

Lake Oswego, OR 97035

Tel: 503/624-6426 - Fax: 503/624-6436

E-mail: coolamp@teleport.com

de "Squeak" Porray, AD7K, Sales, AES/Las Vegas

(EDIS and Silver Plate Copper articles above were taken from W6VRBob's CCC e-mail letter. The duplexers (filters) which PARC uses are silver coated in their insides to improve conductivity at RF frequencies where the current flows on the surface which we have to "pay through the nose" to have done for us. One wonders if we could plate our own filters with this material. N6PIGBill's 6m duplexer(6 filters) is not coated -Ed)

## Antenna Towers

Within the past month I had an experience which could benefit readers of this reflector (taken from a radio reflector and sent to me -Ed). It was not the first time I've been involved in such a circumstance. As a result of those occurrences, I urge each reader to take a very easy step.

A ham repaired a damaged antenna support structure. A new neighbor, seeing the repair crew, thought a new structure was being erected, without a building permit, and complained to the Building Inspector.

The Building Inspector, also relatively new, and understanding that the town bylaws with respect to amateur radio antennas had changed within the past few years, asked the ham to prove that the structure was a "prior existing use."

Fortunately we had some town records to show the issuance of a building permit many years ago. But the Building Inspector wanted to know when the structure was erected, not just when the building permit was issued.

So, dear reader, I urge you to go outside tomorrow with a child (borrow one if necessary) and take a photo showing the antenna system and the child. A doubter might argue that you put a fraudulent date on a photo, but it would certainly be difficult to argue with photos showing the same human

being in the photo when s/he was 5 years old and now that s/he is 20!  
Fred Hopengarten K1VR  
hopengarten@post.harvard.edu  
Six Willarch Road \* Lincoln, MA  
01773-5105

## Heliograph Morse Code

About 3 years ago I was hiking on Iron Mountain east of Poway along with Glenn **KE6ZLY**. After reaching the summit he mentioned that Bob **W6VR** was going to be on Palomar Mountain and wanted to try a 2-way mirror flash peak-to-peak.

Glenn let me take a look at his signaling mirror and once I got the hang of aiming it I was hooked on mirror signaling... big time! We didn't do too well that day because of haze and not knowing exactly where to look but the desire to explore this unique means of communication was irresistible to me... as has been witnessed by members of the Hiker's Group whom I keep bugging unrelentingly to exchange mirror signals and at greater and greater distances.

One of our early successes was a signal between Garnet Peak in the Laguna Mountains and Santa Rosa Mountain, a distance of about 45 miles. Later on... a couple of years ago we were signaling between Cuyamaca Peak and Mount San Jacinto (60mi) then Monument Peak and San Jacinto at 65 miles.

In the spring of 1999 several of us managed to exchange mirror flashes between Keller Peak near Big Bear and Cuyamaca Peak, a distance of 90 miles, which at present, stands as our long distance record. A year earlier we'd tried to signal 110 miles to Mt San Antonio (Old Baldy) but the monsoon haze was too heavy for our flashes to be seen.

Until recently our exchanges of mirror contacts have consisted of 2-way flashes of light confirmed via our 2-meter hand-held radios. This isn't as easy as it sounds. The logistics, weather problems and trying to aim at a peak that's barely visible above the horizon takes a lot of patience and perseverance.



Jim **N6FN** **W9FQN** Robin David **W6VR**  
San Jacinto hike to 10,800 feet. (flashers)

Fortunately the Hiker's Group is well supplied with people who are easily up to the task of doing this. After hiking up an almost 11,000 foot mountain they still have enough energy to talk!

At some point I decided it would be interesting to try sending Morse Code with our mirrors... this turned out to be quite a challenge. We finally were able to do this and transmitted a few letters via heliograph between last week's (July 15) group hike to San Jacinto organized by Stan **W9FQN**. This helio message was sent through heavy haze from hikers on Cuyamaca to the main group 60 miles away on Mount San Jacinto.

Latest update: On Saturday morning, 21 July 2001, we were able to exchange several complete words over the 11.5 mile distance between Cowles Mountain and Iron Mountain using a home-built heliograph shutter and mirror aiming device each mounted on separate tripods. This was only at about 2 words per minute but at least we proved it can still be done in modern times using only low-tech gear and methods plus a lot of old fashioned patience. 73s Ed Butler, **KF6DXX**

## Morse Code

Hikers, this morning (Saturday 7/21) **N6FN** Bernie and I hiked up Iron Mountain and Cowles Mountain respectively, arriving at their summits a little before 9am.

Although Bernie could see Cowles okay we had to wait about 20 minutes for the morning haze to burn off enough for Iron Mountain to be visible. Then I started signaling to Bernie, **N6FN** with a heliograph using 3x5" mirror and shut-

ter.

The distance was about 11.5 miles which made it a lot easier this time than last Sunday's Cuyamaca to San Jacinto path of 60 miles. It only took a few minutes to establish a steady beam and even after losing it a couple of times it wasn't too hard to reconnect. Bernie did a good job of copying helio Morse code and copied the name "Bernie" and then the words "peak" and "snow" with very little difficulty and with no letters having to be repeated on the last two words.

The little 1/4-20 tilt adjustment screw worked out pretty well after all and I had to crank in enough adjustment to raise the beam ~1/10 inch at the plane of my shutter or ~3/4 degree every 30 seconds or so.

The lateral position of the mirror seemed to require very little adjustment... probably due to the time of day and signalling direction.

A beautiful day on the summit with lots of hikers enjoying the sunshine.

73 to all Ed, **KF6DXX**

## EDIS on the Web

The State of California's Emergency Digital Information Service (EDIS) bulletins are available on the web. Watch for power shortage announcements and the like at:

<http://edis.oes.ca.gov/>

*(When the introductory page downloads, wait several seconds and a new page with bulletins should automatically pop up. Unless, of course, the state is out of power.)*

## U Lost?

Factoid: A recent test by PC Magazine labs showed three good search engines on the Internet. They are:

<http://www.hotbot.com>

<http://www.northernlight.com>

<http://www.yahoo.com>

It's worth noting that even the top search engines keep up with just 16% of the Internet and many of the big names categorize well under 10%.

So if you at first don't succeed with one engine, hop aboard another train and keep chugging along.

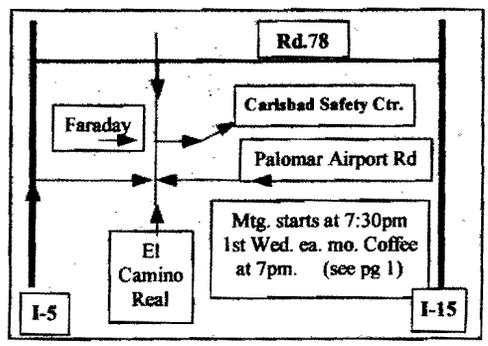
**PARC NETS** (06/01)  
 All 147.075 10-11pm MCW contacts  
 All 147.130 2130+ pm Facitious Group  
 Sun.146.730 8:30am AREmergency Service  
 Sun.146.730 10:00am Sunday Sailor's Net  
 Sun.147.075 8:45pm MARA Net  
 Mon.146.730 9:00pm Microwave Net  
 Tue.146.730 8:00pm Traffic Net (SDCTN)  
 Tue 146.730 9:00pm Off Roading Net  
 Thu.146.730 8:00pm Traffic Net (SDCTN)  
 Thu.146.730 9:00pm Ham Help Net  
 (electronics, computers, antennas, license theory, etc.)  
 Fri.146.730 9:00pm Hiker's Net  
 Sat. 146.730 8:00pm Traffic Net (SDCTN)  
 Sat. 52.680 8:00pm 6m ARES Net  
 "other non-PARC nets"  
 Convair/220 Club: 224.900 PL 107.2 Hz  
 Mon 8:30pm, Tech. & News  
 Fallbrook ARC:146.175 + PL 107.2 Hz  
 Tues 7:00pm, General Discussions

**POSTMASTER:**  
 Send address changes to Scope,  
 P.O.Box 73, Vista, CA 92085

**Time Dated Material** **Aug**  
 2001  
 pg.12  
 -96-  
 1,576



**Periodicals**  
 Postage Pd.  
 at Vista CA  
 92085-9998



**pse cover me!**  
*Fold, I am not sold but old and cold, I am told!*

**PARC Web Page (KE6WOE)**  
<http://members.home.net/parc/>

**OPEN Repeaters/CLOSED Patches**  
 Palomar Mt. Repeaters (W6NWG)  
 PARC Trustee of W6NWG: AB6QT  
 \*52.680- W6NWG, -0.5 MHz  
 Autopatches(4): 146.730-, \*147.075+  
 \*147.130+, \*447.000-  
 PKT: 145.050s (PALMAR/W6NWG-1)  
 146.700-(Duplex Pkt) PALBBS/EMG use  
 145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM  
 ATV"IN": 915wbfm, 919am,  
 2441.25wbfm  
 Intercom: 146.415 PL 79.7 nbfm  
 Affiliated:  
 \*224.38- & \*224.94- KK6KD(HARS)  
 \*447.05- & \*145.26- KK6KD(HARS)  
 \*146.175+ N6FQ(FalbrkARC) linked  
 to \*445.600 MHz (-)  
 \*224.90- WD6HFR (Convair/220 ARC);  
 446.14- WB6FMT(123.0)Vista;

\*=107.2 Hz

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 N2DCA@amsat.org  
 VP: Charlie Ristorcelli NN3V 858.676.3307  
 NN3V@amsat.g  
 Sec: David Patterson WB6DAV 760.727-5560  
 WB6DAV@amsat.org  
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 KF6WTN@amsat.org  
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 AB6QT@amsat.org  
 MSh: Al Donlevy W6GNI 760.630.3096  
 aldonlevy@Juno.com

See page one for club activity date listings.

**Join the ARRL**  
 see KB6NMK

**Web Pages**  
 PARC's Home Page - KE6WOE  
<http://members.home.net/parc/>  
 Rod's General Home Page - AC6V  
<http://ac6v.com/>  
 ARES Alert Publication  
<http://www.qsl.net/sdgarrl/alert.htm>  
 Tom's Hiker's Home Page - KF6PAZ  
<http://www.fanciful.org/san-diego-hiker>

**PARC Testing** - tests given each 2nd Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty AA6OM at 760-747-5872 or at [DuneDancer@worldnet.att.net](mailto:DuneDancer@worldnet.att.net)  
**Register 5-7 days in advance for tests.**  
**Escondido Testing** - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N.Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.



# Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Sep '01  
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also  
TV &

## Palomar Amateur Radio Club Inc.

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**POSTMASTER:** Send address changes to SCOPE, P.O.Box 73, Vista CA 92085-0073.  
See pg. 12: PARC Frequencies, Club Officers, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

## Club Meeting

Charlie Ristorcelli NN3V@amsat.org

(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

### Next Program

The September program will be a presentation and extensive show & tell on Laser transceivers to be presented by Jonathan, **KG6AZK**, one of our newer members. This will be the final technical series on digital and laser communications for CY-2001.

His presentation won 1st place in Engineering in San Diego and Imperial County Science and Engineering Fair ([www.gsdsef.org](http://www.gsdsef.org)).

He also received the Old Crows Society Award, General Atomics Science Foundation award, the UCSD Engineering award, and a Memorial Foundation award. Likewise, a 2 week trip to New Zealand for presenting the material at an international Science and Engineering fair (I believe held by the IEEE in New Zealand).

The topic - and presenter - were "discovered" by W9FQN and recommended to me last March.

In addition it is my intention to show a video (5 minutes) and the PowerPoint slide presentation before the meeting. I'll try to set the slide presentation so that it is running as members come into the meeting, and then we will show the

video immediately before the program itself. 73 Charlie NN3V

## Coming Events.

- Sept. 5th, Wed - Club Mtg., program
- Sept. 7-9, SW Div Convention, Riverside
- Sept. 12, Wed - Board Mtg. W6GNI
- Sept. 30th, Sun - Club Picnic
- Oct. 3rd, Wed - Club Mtg., program
- Nov. 7th, Wed - Club Auction Mtg.
- Nov. 24th, Sat - Toys for Tots Run

## November Auction

(The Auction is usually held in October but was changed due to program conflicts -Ed)

## Club Election (update)

- Sep - Nominating Com. introduced
- Oct - Nominating Committee Report
- Nov - Nominations from floor
- Dec - Club election

## Sept. 30 Picnic

Hello everyone. We are organizing several fun and exciting events for the picnic this year. I especially want to invite any new hams to join in. We have a lot of interesting things to learn and see, and many people to work along side. Harry Hodges **W6YOO** will be holding licensing exams before the picnic for those interested. There will be a chili cook-off, a "REAL T-Hunt," and many wonderful demonstra-

tions at the picnic (slow scan, APRS, digital H.F., etc.). We are even setting up an ATV station to show the field day video clip and more. Art **KC6UQH** is going to perform field strength analysis for anyone that has an HT. So... everyone remember their 2m handhelds. I'm already making the arrangements for the major events.

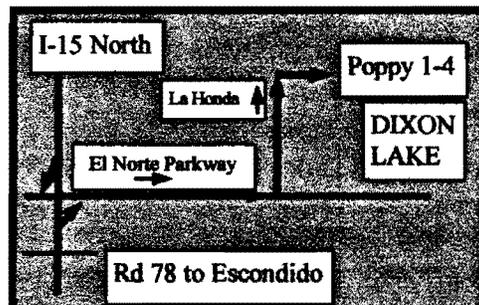
But, there still is room for more interesting things to do. If you have anything, please call me at 760-749-4825 (Mark **KF6WTN**) and lets talk. The picnic will start with all of the entries for the chili cook-off being judged at noon. Of course, HRO has donated a prize for the winning chili and a prize for the winner of the T-Hunt. After the cook-off, at about 12:30 I'll fire up the famous road kill cafe. We still need all your goodies brought per the first letter of your last name.

A->I, bring a main dish, casserole or side dish

J->O, bring a salad or vegetable

P->Z, bring a desert

So please plan on attending, bring



your hand held, some chairs, your food dish, and I'll see you there on Sunday September 30th. 73, Mark KF6WTN  
(the fine print)

The PARC Picnic is September 30th at Lake Dixon in the North East side of Escondido. (see map pg.1 -Ed)

I-15 to El Norte East (1st exit past Rd 78 headed north), La Honda (to the left(north)), enter, turn right 100 yds to Poppy 1-4.

The pavilions are within 100 yards of the entrance. Seniors get into the park free. Others pay by the carload (about \$1/car). If you want to skip the fee, park outside and walk into Poppy. It is a short walk of about 100 yards.

**Please note that you cannot bring (or buy) any alcoholic drinks: beer, wine, hard spirits, etc.** This is a park rule as well as a club rule. The many park rangers are prepared to enforce this rule.

Sometimes there are not enough places to sit except on the ground. If you are arriving late, we suggest that you might want to bring a folding chair along with a folding table and/or a blanket to sit on.

PARC can reserve the small pavilions but not the tables next to them ..get there early to reserve "ur spot."

**DRAWING RULES:** about the same as always.

1)participation tickets must be picked up at the picnic by you or by your representative who must have a **written, dated, and signed permission slip** to pick up the tickets and any prizes that you might win.

2)you will receive tickets (maximum of 20) for participation in designated club events from **Aug. 1st 2000 to July 31st 2001:** meetings(1ea), designated work parties(1ea), repeater site(2ea), heads of committees(5ea), etc.

3)the drawing will be at the club picnic at ??? pm.

4)you or your representative must be present to win by showing a matching ticket stub with the winning call sign or member's name on it.

5)you are limited to winning only

one prize even though your ticket is drawn several times (sorry). Most valuable prizes will be drawn first and in some cases you will be given a choice.

6)you must be a present member of PARC in good standing before tickets can be given to you.

7)PRIZES are —

1ea - \$100 gift certificate

2ea - \$ 50 gift certificate

4ea - \$ 25 gift certificates

and MANY assorted small items too humorous to mention: Ham Stamp pin, Radio Range Meter, radio books, etc.

Children are welcome but you will need to watch and entertain them yourselves. There is a playground for them near the pavilions and there is a playing field for soccer, volley ball, softball, horse shoes, etc. but you will need to bring all of the equipment needed.

There are also hiking trails down to the lake but someone should go with them. Its warm and the "little crawly" things are probably out and about (snakes). Rental boats are at the main dock.

## Club Membership

Al Doulevy                      aldonlevy@juno.com  
More New Members Joining PARC:  
WA6IQY, KG6HGS, KG6GIU, KG6HJZ,  
KG6GZC.

When you hear these calls on a repeater, greet our new members.

July was a big month for renewals, but, unfortunately, we had 45 members that did not renew, many of them "old timers". Often, not renewing is simply an over site, and until the SCOPE stops coming, one doesn't realize that a year has gone by.

Please check your label for information on when your membership expires. If you see a "green" stripe on your label, you only have one more SCOPE coming. A red stripe means that your membership expired, or will expire in a few days. And, your autopatch code will cease to work. Don't let it happen!  
73 and Thank you. Al

## Board Mtg. (Minutes)

Sonny Stires W5ACE    SStires@prodigy.net  
August 8, 2001 Meeting called to order at 6:55 P. M. by Allen N2DCA Board members present: Allen N2DCA, Al W6GNI, Jo KB6NMK, Stan W9FQN, Mark KF6WTN, Ted KF6BFI, Sonny WA5ACE. No Guests were present.

It was moved to accept the Treasurer's Report. Motion was seconded.

Jo gave Mark a check for \$65.00 for the picnic site.

Mark gave the Secretary's Report for July. Motion to accept by Al W6GNI with second by Ted KF6BFI. Board welcomed Sonny WA5ACE.

PARC picnic was discussed. A lot of food was thrown away last year. Perhaps, we should bring less this year. It was agreed that we should bring enough for our own group and maybe another. Mark questioned the VEC testing this year at the picnic. Harry W6YOO will be consulted on this matter. The motion was made that we use the prize list from last year for this year. Seconded. Mark will take a \$300 check from the club and pick up the prizes from HRO. The rules for the drawing were approved as printed in this month's Scope. The question about giving away free memberships was brought up...is it permissible? Seems the P O gets into the act here. The picnic rules as published in the September Scope were approved. Stan informed the board that he had some "stamp pins" to give away as prizes. Mark can get some "Morse code" chips for prizes. Mark requested a call if you have an idea for a prize.

The nominating committee information sheets were distributed. Ted questioned if we really do need this? Mark suggested we are late at this time with the nominating committee information sheet. Allen will contact the nominating committee to find out if they need any instructions.

The subject of antenna problems was brought up. Stan advised that three antennas were taken down and three were erected. There were some problems when erecting the antennas due to size difference. Some changes will be made at the next work party.

220 club rent will be discussed at next month's meeting. The pertinent data will be e mailed to the board members. Discussion will continue at the September board meeting.

There was much discussion and confusion regarding the ARES, ARRL I. D. pro-

cedure. This will be discussed at the September board meeting.

October's program will be by W6JAB. November's program is the auction. Ted informed the club that he needs help with the auction. Ted also reminded the board that the Nominating Committee's report must be taken at the November meeting. It was agreed that ten minutes should be ample time for this and then conduct the auction.

The June "non-renewals" list was given to Allen. The club picked up a few new members and presently has an enrollment of 557.

The next meeting will be at Jo's, September...329 Chestnut Lane, Escondido. Meeting adjourned at 8:22 P. M. Respectfully submitted, Sonny Stires, *WASACE*, temporary Secretary

## Last meeting *(not quite)*

Attendance was K6GO Gayle and KA6FPS Barbara gave us an excellent picture tour of their recent visit to Cuba and their visit with several Cuban hams.

<b>Treasurer \$\$, \$\$\$</b>		
Jo Ashley KB6NMK @amsat.org		
See me at club meetings for "hard copies" of financial statement(s).		
Last month's Scope Helpers: Thanks to Art and Anita for the folding space and the refreshments. Really great cookies. <i>(the greatest!)</i>		
Location	02.28.01	06.30.01
CD179-1311891-8	3,000.00	3,064.21
CD8761216457-6	2,399.52	2,447.84
CD8761216625-9	2,556.74	2,598.29
CD8761216778-6	2,513.86	2,533.32
CD8761391556-4	3,049.16	3,098.89
Checking 010566	4,331.50	3,493.68
Post Office	100.45	102.80
Cash+CD's	17,951.23	17,369.03
LongTermReserve	9,000.00	9,000.00
Pro-Pd.dues/hab projects/available	7,371.00	6,233.00
	1,629.00	2,767.00

<i>KB6YHZ</i> Art Nye	&	<i>KB6YHY</i> Anita Nye
<i>K6ML</i> Jim Paquin	&	Emma (xyl of K6ML)
<i>N6UZH</i> Terri Brewer	&	<i>MY2KID</i> , Kimmy & Toby
<i>KB6NMK</i> Jo Ashley		<i>KG6AEW</i> Bill Owen
<i>W9FQN</i> Stan Roberts		<i>N6OYG</i> Victor Muihl
<i>KC6WAN</i> Ralph Powell	&	Sylvia (xyl of KC6WAN)
<i>W6HCD</i> Nash Williams		<i>W46UTQ</i> Larry Rueggeger
<i>WASACE</i> Sonny Stires		

## President's Message

Allen Maslowski N2DCA@amsat.org

A recent work related project required me to take a brief glimpse backwards into the history of wireless communications as we know it today. I thought it was interesting enough to share with everyone. I'm sure that you might have comments about where amateur radio fits into the picture, because of its lack of mention in the following story article. The term amateur radio was intentionally left out of this article, but you can definitely can 'see' Ham Radio throughout it as it is part of wireless history. We all should know the history of amateur radio. This message is not a complete history of wireless communications but a short description of it up to early mobile communications.

Wireless communication is the fastest-growing part of the very dynamic field of wireless communication. The term "wireless" has become to mean non-broadcast communication, usually between individuals who very often use portable or mobile equipment. The term is rather vague, and there are certain wireless applications that are called wireless without falling into the above definition. Some examples are to include laser communications, mirror flash, infrared light, and ultrasonic sound.

Wireless communications began shortly after the wired variety. Samuel Morse's invention of the telegraph in 1837 and Bell's 1876 invention of the telephone were soon followed by Hertz's first radio experiment in 1887. Hertz's experiment was just nothing more than a laboratory curiosity, but it was Marconi that communicated across the English Channel in 1899 and the Atlantic Ocean in 1901. The use of radio spread for ship to ship and ship to shore communications using Morse code.

Early wireless systems were crude, but often quite powerful spark gap transmitters. The invention of the triode vacuum tube by De Forest in

1906 allowed for the modulation of a CW signal, and made voice transmission possible. There is some question on who did what first, but it is likely that Reginald Fessenden made the first public broadcast of voice and music in late 1906. Commercial radio broadcasting in both the US and Canada began in 1920.

Because of their size, early radio transmitters were too cumbersome to be installed in vehicles. In fact, early radio mobile systems, for the police department were only one way. Only a receiver was installed in the police car. The first practical system was installed in Detroit in 1928. Two way AM radio communications for the police came on the scene in the mid 1930's. FM followed in the late 1930's. These unit often occupied most of the truck.

World WAR II provided a major incentive for the development of mobile and portable radio equipment, and systems, including two-way systems know as Walkie-Talkies that could be carried

pg-3  
-99-  
1,579

## PALOMAR ENGINEERS

Bax 462222, Escondido, CA 92046

### TOROID CORES

Palomar stocks a wide variety of cores and beads. Our RFI Tip Sheet is free on request. Our RFI kit keeps RF out of your telephones, TVs, stereo, etc. Model RFI-4 \$25 + tax + \$6 to ship.

### BALUN KITS

Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160 m).

Model BA-58 (for RG58, RG8X & similar cables up to 1/4" dia. \$7.50 + tax + \$6 S&H/order

Model BA-8 (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

### TUNER-TUNER

Tune your tuner without transmitting. Save that rig! Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You have a 1:1 SWR.

Model PT-340 \$99.95 + tax + \$6 S&H

See catalog at [www.Palomar-Engineers.com](http://www.Palomar-Engineers.com)  
Please check our complete ads in *QST*, *73*, *CQ*, and *World Radio* magazines.

in the field and, may be considered distant relatives today's cell phone.

I have not included the post war contributions to wireless communications here but its easy to see that HAM radio was part of the development of the world's present day communications systems that we use when we are not using our HAM equipment. It is easy to take for granted the nice small and powerful units we enjoy. So when we use our amateur radio equipment, it's not only an appliance, but one with substantial history that is part HAM radio. Until next month, 73's, Allen, N2DCA

## Carmel Mt. Hams

Mt-Carmel Newsletter:

Mr. Earnest's Summer Radio Class:

4 out of five students have passed their Tech exam. Some also express interest in the General Class. All eyes are on the the QRZ dot com website for the latest in FCC Updates.

To get to updates: Go to WWW dot QRZ dot COM. Next Click on NEW HAMS Link in the Blue Menu on the left hand side.

## FD 2001 (continued)

Charlie Ristorcelli NN3V@amsat.org

Last month I reported on the point total and band captain data from our FD 2001 effort. This month I will share a couple of observations about PARC FD, some of it motivated by questions I've been asked by several Club members.

Of sustained interest appear to be the questions: "What is so important about FD?", and "Why do we do FD the way we do it?".

While you can read the answer to the first question in many a FD article, as well as on the ARRL FD web page, to me the importance of FD is two-fold.

First off is the mere FUN of it. As a "closet outdoor person", FD is the one occasion I have a year to make the concerted effort of spending some time "out in the country" (in NOT so austere conditions as to be "braving it"), while

also having fun with my HF hobby.

Second, FD is an opportunity to expose hams to ALL the ham modes and options.

PARC strikes me as principally a repeater club. Yet, ham radio is not about repeaters alone. There is an awful lot of "stuff" to do on the ham bands, and new equipment and cheap technology abounds to make the hobby a lot more interesting. (Watch how FD 2002 is going to place emphasis on the new digital modes. Are you ready for FD 2002?).

So I found the PARC FD set-up and traditions (remember, I am a newcomer to this area) to be an IDEAL way of showing inexperienced hams, and MOST importantly, our "home/covenant/homeowner association" restricted hams, the pleasures of all the bands, in one place, at one time!

To answer the second rhetorical question I posed in my opening paragraph, "doing FD as we do" to me is the IDEAL way of laying out a whole bunch of gear, modes, large antennas, etc., and allowing our members a chance to "get their hands dirty".

To do so well requires that some of the more experienced folk share some of their time, and practice a tradition that seems to be disappearing. That is, the time honored concept of "elmering".

Judging from the comments I've received from some the folks who got their hands dirty cleaning antennas, learning to tune them to peak performance (yes, those Saturday work parties are a lot of work!) while understanding some of the compromises that are acceptable (an SWR of 1.00000001 is NOT necessarily better than an SWR of 1.2!), the effort is worth it.

This last aspect is perhaps the most important part, and the one I encourage members to think about, because to strengthen the hobby, you have to gain exposure to a LOT of stuff.

In my opinion, if we do not attract hams to the broader aspect of ham radio, interest in the hobby will dwindle, we will have many folks talking on their VHF/UHF mobile rice-boxes (hope the cellular movement does not include ham radio as a driving "no-no"), and soon we

will all be silent keys without replacements.

So I encourage some of you "closet experts" to mark your calendars for next year's FD (June 22-23), and plan on coming out to the workparties and the fun. And, if tradition (new tradition in PARC) holds up, I promise you will at least have the best road kill chili served at a FD west of Dayton, Ohio!.

(Next month: What was funny about PARC FD 2001?)

## W9FQN & ARES

Stan Rohrer

W9FQN@Juno.com

Since 1957 when I first became involved with ARES activities in Elkhart County, Indiana, serving as the EC (Emergency Communicator) until I came to California in 1970, your editor has been involved in ARES activities in various ways up until July 15 of this year.

Because of past and recent somewhat unpleasant experiences involving ARES, I decided that ARES activities were no longer as enjoyable as they once were, so I have severed all my connections with ARES and will no longer have charge of the 146.730 Sunday morning ARES net nor will I any longer serve as the EC for Valley Center.

## Internet Hoaxes

A handy URL to check out possible Internet hoaxes is:

<http://www.truthorfiction.com/search.htm>

(URL Courtesy of Tom Chester)

## E-mails

If you ever work on your own car, or know someone who does, or just want to know what the "Check Engine" lamp is trying to tell you, check out this website, its a Palm Pilot based product my son David Lafreniere designed, and just started selling. Pass this on to anyone you know that might be interested.

<http://www.anterraweb.com/>

Best Regards, Bernie Lafreniere, 760-781-5522



# For Sail

(8.26)Computer, 133 Pentium, 64M RAM, 2.5G HD, Tape Backup with 10-250Meg Tapes, CD & Floppy, Mouse, Modem, Monitor, Microsoft Win98, Office 97 (Word, Excel, PowerPoint, Outlook, Access) plus other software. With all original documentation. \$200 for all, Bernie N6FN 760-781-5522Wk, 760-746-7411Hm.

(8.20)Heathkit DX-35 Transmitter, Heathkit Conelrad Alarm CA-1, Titen 6 meter base amplifier 100w, WRE Decade Resistor model ARD-41, HP 34072A digital multimeter & will accept reasonable offer: Harold KG6DVD 760-630-8701

(7.10)Heathkit-SB-200 amp. (10-80m) \$300; Heathkit SB200 6m amp. 700watts \$450; KENWOOD TMV7A 2m/440 mobile w/mobile mount -no separation cable \$350; ICOM 706 w/separation cable \$550; ICOM 471A all mode 420-450 mhz \$400; TIMEWAVE DSP 59+ make offer BIRD wattmeter w/SO-239 connectors w/slugs (50-125mhz,1kw) (50-125mhz peak mode max avg power 1kw) Manuals all gear except BIRD. No trades: Steve KO6ET@amsat.org

(6.29)Icoms IC-2100H \$139 OBO 5mo old w/instructions manual box & no mods; IC-T7H Dual Band Handheld \$139 OBO manual, box, gud condition, little use: KG6AZK 619-588-2493 jacox@home.com

(6.22)Icom R100 unblocked scanner1-1856MHz \$400; Yaesu FT23 TTP-EC/DC \$124; Yaesu FT7005 TTP-EC/DC \$150; Yaesu Spkr mic \$30 & VOX headset \$20;

Jeff N6FRW

Grace N6WPA

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*Personal equipment ads are free to members and could be "bumped" after 3 mo. Make up your ad like the ones on this page. Send to Editor, W9FQN, 30311 Cir. R Ln, Villy. Ctr. CA 92082, (W9FQN@Juno.com) before the 20th of each month.*

*Commercial Ads in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. W9FQN@Juno.com*

Yaesu(2) NC29 chargers \$50ea; Yaesu NC37 charger \$55; (above OBO + 4 batteries); Complete listing of above and other items at meeting (see W9FQN); Stu K6EXL 760-757-9208.

(6.19)MOVING SALE - Icom IC-735 160-10mtr xcvr \$400; Complete packet station including computer \$250; 160-10m trapped dipole \$25; Hy-Gain TH5DX 5el

tri-band beam \$75; 11el 2m beam \$30; Hvy Duty rotator \$25; Cushcraft 2M/440 vertical \$25; Coleman 1.5kw gas powered generator \$250; Swan 200w-2kw SWR meter \$25; Heath Cantanna dummy load \$25; Heath Digital Electronics course w/breadboard \$30; All band portable SW rcvr \$25; Computer furniture, coax, lots of other stuff: Scotty KH6TL @ (760) 727-8836, 390-1980 or KH6TL@juno.com.

(6.13)10m all mode mobile radio shack HTX10 \$75: Curt 760-310-6642 or KF6VHA@mymailstation.com

(5.25)Kingston 8-Port 10MB Ethernet Hub (also coax connections) & two 3COM 10Base-T network adapters (ISA), original package \$50: ka2blq@amsat.org

(5.21)12"HiFi spkrs(2) w/mid/hi range tweeters \$20ea: W2MRM 858-451-5690

(5.12)6ea color T.V. sets free: Lee KE6NLZ leonluce@nctimes.net Rainbow. 760-728-2078

- (5.09)ESTATE KG6AMQ(SK) Sale-
1. Yaesu YS-60 1.6 - 60 MHz Power & SWR Meter. Meter has 0 - 2 Kw power handling capacity. Mint condition \$140
  2. VCI V300M 300w HF ant. tuner \$85
  3. Yaesu SP-767 speaker and phone patch. Ideal for use as a phone patch and external speaker for any HF rig \$80
  4. Radial Larsen 2m glass mt 1/2 ant \$40
  5. Van Gorden HI-Q 1-1 Balun \$20
  6. KB6MT High speed code course (3 cassette tapes & manual) \$15
  7. Technician "No-Code Plus" FCC license preparation course. 3rd. edition. Question effective through June 2001 \$5
- Prices negotiable to best best offer, contact

# HAM

# RADIO

# OUTLET

H  
R  
O

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

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619-686-5607, or NN3V@amsat.org

(5.08)ESTATE: Realistic DX-160 SWL Receiver \$70; ICOM IC 740 HF xcvr with all accessories \$450: Estate of KB6MLA, phone (760) 632-8677.

(05.07)Crank up/and tilt over tower installs like a telephone pole (no concrete footer required), rotor with thrust mount included, steel galvanized, commercial quality w/instructions \$475; 10, 15, 20 trap 3el yagi w/10m reflector \$100: Steve 858 451 5690 RB

WANTED: (A few good men/women) ☒

(8.26) Wanted Heathkit Apache transmitter and Heathkit Mohawk receiver: Hugh K4ESQ via W9FQN@Juno.com

(5.28)Wanted kit builder (elecraft k1 kit): Don KF6NMA Poway (858) 486-5927 donald@henkearchitect.com

(5.13)Wanted help in assembly and erection of Wilson 61' tubular twr: Mike K6QBZ@Juno.com or 760 751-9248 V.C.

## Contests

Harry Hodges W6YOO@amsat.org

- Sep 1 All Asian DX Contest, SSB
- Sep 1 Bulgarian DX Contest, CW
- Sep 2 NA CW Sprint Contest
- Sep 8 WAE DX Contest, SSB
- Sep 8 ARRL VHF QSO Party
- Sep 9 NA SSB Sprint Contest
- Sep 15 ARRL 10GHz Cumulative Contest
- Sep 16 TN QSO Party
- Sep 22 Scandinavian SSB Contest
- Sep 29 CQ/RJ WW DX Contest, RTTY
- Sep 29 LA & TX QSO Parties
- Oct 6 QCWA QSO Party
- Oct 6 California QSO Party
- Oct 6 VK/ZL/Oceania Contest, SSB
- Oct 7 RSGB 21/28 MHz Contest, SSB

As the days shorten and Fall arrives, the major contests can be found on every weekend. The really big one is the California QSO Party where everyone tries to work each of the 58 counties in California and California tries to work each of the 50 states and 8 Canadian provinces.

See QST, CQ, NCJ, and Worldradio magazines for rules. 73, Harry

## Field Day Pins

The FD pins ordered from ARRL came in last week, and I will have them

at the Club meeting. Those of you who purchased FD PINS may pick them up at the meeting. 73 de NN3V

## FD Logs (via N6KI)

The list of Logs Received for the 2001 ARRL Field Day operating event has been posted at:

<http://www.arrl.org/contests/claimed/>  
Dan Henderson, N1ND  
ARRL Contest Branch Manager

## ARES

October 13 - ARES will provide communications for the Cuyamaca Laguna 50km Trail Run. This event begins at the Cuyamaca State Park School Camp. Runners follow trails through Cuyamaca State Park and Laguna Mountain Recreation Area. Communications will be provided at the Start/Finish Line and four Aid Stations using 80m and 40m via Near Vertical Incident Sky-wave propagation (NIVS), supplemented with VHF simplex. Interested? Contact Dennis at [KA6DUH@arrl.org](mailto:KA6DUH@arrl.org) or phone 760-432-6574

## Phonetics - CW

Voice transmissions of traffic other than "tactical" messages seems very inefficient. Of course, if there is no other mode available in an emergency, use what is available.

The problem I see with voice traffic, whether it is clear channel or not, is the necessity to use phonetics where accuracy in spelling is required. That is for names, street addresses, sometimes cities and for certain text words that must be correctly spelled.

I am certainly not anti-phonetics. There is no other way to assure correct copy even under good, QRK 5, conditions for some words. However, it is a slow process at best and usually seems to require repeats, and sometimes leads to confusion for the receiving operators who may not be that familiar with accepted phonetics. Copy at anything like 20 words per minute is next to impossible.

No comment regarding the newer digital modes when available. They are fast, accurate and useful.

Traffic can be handled routinely at 18 - 20 words per minute by CW with hand copying, either printing or cursive copy as suits the operator. Typing is much faster and let's not look down on the good 10 WPM operators either!

There is little need for repeats even for unusual words—a letter is a letter. Fills may be necessary, of course, if reception is not letter perfect as judged by the receiving operator. The CW procedure for getting fills is quick and can be spelled out for operators unfamiliar with the cryptic practices of CW traffic handlers.

I mention these things because in a true emergency situation, there may not be many options to get traffic out. The one most likely to be available may be voice from the disaster center. However, once collected at a "forwarding station" it seems to me that station should use the fastest means available to it to get traffic out.

Hopefully, the "forwarding station" will have a traffic handler to organize and use the traffic systems nets such as NTS, ARTS, etc., efficiently. Here is where digital modes and CW can shine.

Voice is best used in the disaster area but faster modes are needed to move critical information out to bring help in.

I don't handle much traffic but am an interested party anyway. Too bad there is so little traffic on ham radio nets these days—with e-mail and the telephone few bother to send a free radiogram by ham radio or even know a ham. Unfortunate, isn't it? And more unfortunate if disaster strikes. 73, Joe, *K6CD*

**Join the ARRL. See our charming and talented treasurer, KB6NMK, for details.**

## Repeater Status 08.27.01

146.730+ : Normal  
147.075- : Intermittent problem  
147.130- : Normal  
147.000- : No patch attached  
52.680 : back in operation??  
146.700- : Packet Repeater Normal  
145.050s : Packet Digi Normal  
PALBBS : Bulletin Board Normal  
AutoPatch: Fully Operational  
ATV : Off the air?

## Work Parties

Aug.05, Reg work party Rpt Site  
Sept.09, Reg work party Rpt Site  
Oct.07, Reg work party Rpt Site  
Nov.11, Reg work party Rpt Site

## Work Parties *(trabajo)*

*(General workparties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)*

### Next general workparty:

Save September 9th for the next work party at the repeater site.

### Last work parties:

(8.04)AD6VSteve and W9FQN Stan were at the site cutting trees and brush in front of the old cement block building as part of our fire abatement program.

(8.05) work party will be covered in the October Scope. Some pictures from the work party are available at <http://ptw.dyndns.org/kb5mu/ham/parcwp/index.html>

(8.05 de Art KC6UQH) I performed the following work at the site. 52.68 Desense measurements were made with a dummy load and the Six meter antenna. With the Antenna the receiver required an additional 6 dB of signal to over come the desense. A considerable amount of noise was heard when the antenna mast was shaken. The mast was lowered and the remaining top section of the antenna was removed. the antenna was retuned and a corroded antenna connector on the feed line was replaced. Paul, KB5MU, Dave, KC6YSO and Alfredo, (I don't remember his call) assisted me with the antenna work. Paul also helped with testing. I retuned the duplexer and the de-

## Technical, autopatch, repeaters, etc:

AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)

pg.7  
-113-  
1,583

sense was gone. I noticed some intermittent problems which are related to the BNC panel mount connectors on the duplexer. They were used when the duplexer was made and several of them show signs of corrosion.

With little time left I made some tests on the currently working 147.075 repeater. I reset the frequency and deviation and found a switch marked intercom on the 10 volt regulator that would cause the transmitter not to come up. I exercised that switch several times and tried to make it quit. I also wiggled the controller card, the TX Xtal and tapped several places in the exciter. None of these items caused a drop of the transmitter. I guess we will have to wait and see if the problem resurfaces again.

(08.??)I (WB6IQS) visited Stan's place this weekend to pick up some test parts. I was repairing a rotator for a friend in Arizona and needed a TR-44 control box to test it. I knew that the club had a spare TR-44 control box, it was in sad shape but was complete.

Since I was in the mood to repair rotators, I also took a dead club Ham-M rotator and Ham-M control box to see

what might be the problem with them. They were being stored outside under the grey plastic tarp in front of the white trailer.

NEW EQUIPMENT AVAILABLE:  
I was able to fix the club's Ham-M rotator (has the heavy duty roto-brake) and a compatible club control box so that they now work together. The position indicator even works!!!!

The rotator needed to be de-gunked of old grease and totally re-lubed, the control box had a bad motor starting capacitor and broken AC line cord. I used parts from the club's TR-44 control box to repair the Ham-M control box.

NOTE: There is no pipe mount adapter on the bottom, the rotator, it will have to have one installed (assuming we have one) or we can use it as an internal tower mount (on an adapter plate).

From what I can see of the rest of the stuff under the tarp, we have no more good quality rotators (TR-44, Ham-M, Tail Twisters, etc). The remaining ones are TV grade rotators with stepper motor (clunk, clunk, clunk) ratchet mecha-

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nisms: AR-22, AR-33 etc. Most likely not worth the trouble to fix unless we get really desperate for a rotator.

**PARTS REQUIRED FOR THE FUTURE:**

Keep your eyes open for NEW MANUFACTURE 120-140uF, 50 VAC motor starting capacitors. The ones in the control boxes are getting onto 15 to 20 years old and they are dying a slow death. As they age, the motors loose their start / run torque and the rotators don't start reliably. We should think of replacing all the motor starting capacitors ASAP as routine maintenance for the club's rotator control boxes.

John Kuivinen, WB6IQS

### Transworldradio

A new page called Cram Central should come online in the next few weeks, depending on summer school homework conditions.

This page should contain many useful tips on last minute cramming and studying for Amateur radio License exams. Also links to the best Web-based Practice Sites will be available.

Latest Update: Morse Code Tutorial Study for your Morse Code Upgrade! and Links Page- New Links to PSK-31 and Morse Code Sites.

Note: Many times, new features which are on the WebPages cannot be found. This is because when you load the WebPages, the old page is being loaded from the Web Browser's Memory. The Major Browsers puts the WebPages you visit often into a cache memory. This is done to speed up the page loading time.

As a Remedy--Use the Refresh Function of your Internet browser often on Pages you have not visited recently. Many times, new links and info appear when you do this. (info via N6KI)

### Beeps??

**Q.** Why are there 9-13 beeps after I dial a patch sequence (complete phone number or BOX number)?

**A.** The digits that you dial are received by the GIANT computer (486)

and put into memory.

The computer then looks for your PIN number. Your PIN number might be at the front of 150+ other PINs or it could be at the end. It takes time to pull up 150+ records and search through your record for the PIN number, expiration date of club membership, and getting the information on your name and callsign which will be printed on the face of the club's autopatch monitor.

If your PIN is listed, the computer then has over 800 prefixes which need to be checked to see if the prefix you dialed is an approved prefix. Your prefix could be at the beginning or the end of the list.

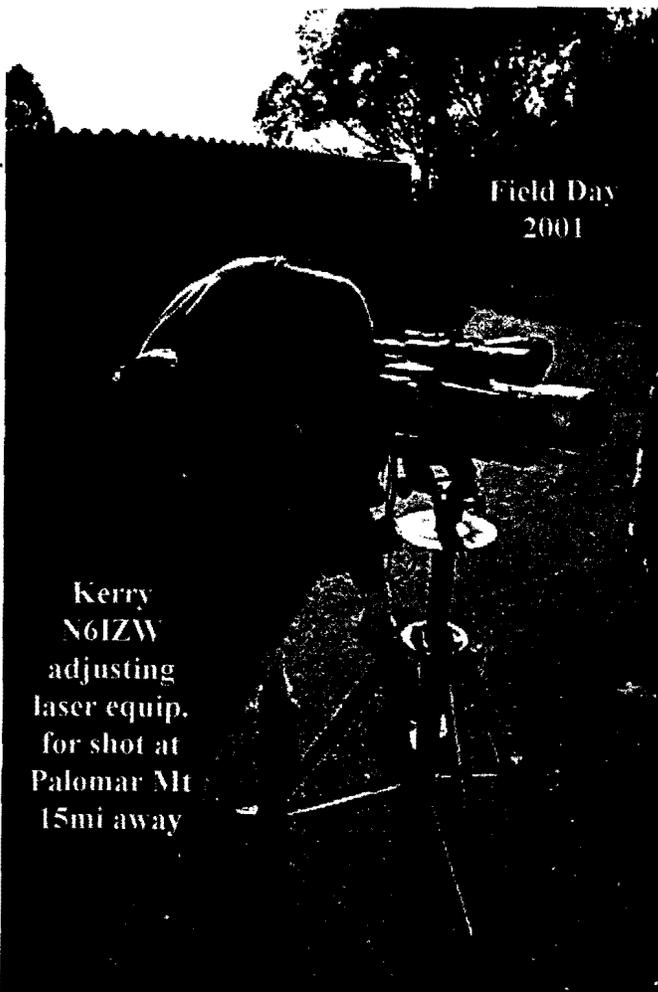
Obviously, if your data is at the end of the list, it will take the computer a little longer to find it.

If all of these items are acceptable to the computer, it will start dialing the number you wanted after it decides which of the three autopatch units it needs to send the call to. During this time you will hear a beeping on the repeater which means that the computer is working on your

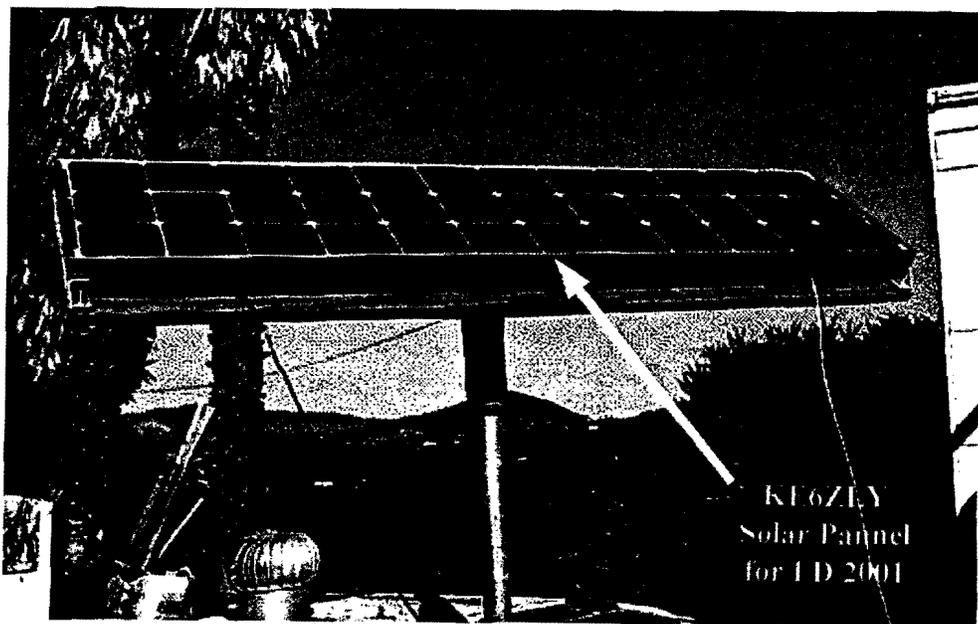
dialed sequence.

While the computer is generating the touch tones corresponding to the number you dialed, it must take into consideration certain timing sequences that need to be observed.

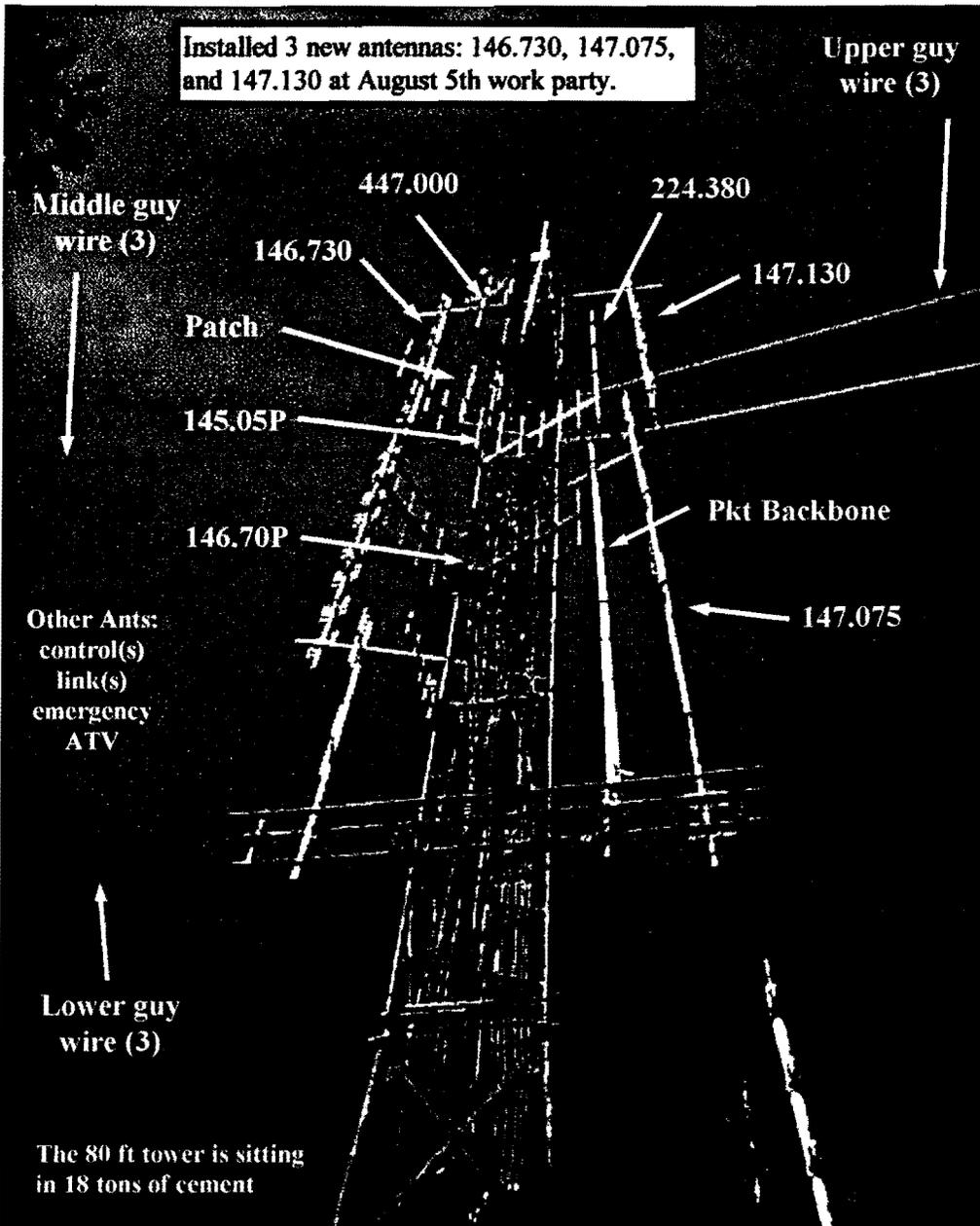
It takes a finite time to bring up one of the three autopatches. Then the



Kerry N6IZW adjusting laser equip. for shot at Palomar Mt 15mi away



Installed 3 new antennas: 146.730, 147.075, and 147.130 at August 5th work party.



3. If you think a jammer is going to time out the repeater, you should move immediately to another PARC repeater without comments. If the jamming is on 146.730 (most of it is since it is a popular high visibility repeater) and the person you were talking to does not come back to you, look for him on 147.130.

4. Immediately check your input to the repeater to see if you can hear the jammer on the reverse (on 146.730, check 146.130, 600kc lower) and report what you hear to AB6QT or W9FQN via e-mail or by phone. Sometimes your hearing nothing is important since it tells us that the jammer is not in your area!

5. Do not talk to the jammer because you encourage the monkeys.

6. If the jammer/interjector sounds like a young person using someone else's radio or someone who obviously is a non-ham and is talking somewhat nicely. Before saying, "you are illegal" and "I will sic the FCC on you," try being friendly and offer to send him/her information on the club, a brochure, and/or a club newsletter. They might stupidly give you a good address to send the information to!

We have located several "minor league" jammers this way and in once situation even got a club member and a licensed "ham" out of a bad situation. Use your head on this one and if it is obvious that you are feeding a monkey, do a **K3PXX** magic act and disappear completely.

### E-mails

@W6SAX -> NC7V

Hi, Marni and I both obtained vanity calls up in WA. I picked NC7V and she picked W8XYL.

We can receive e-mail at the old calls or the new ones @amsat.org

We have joined the Mason County Amateur Radio Club. Shelton is the only incorporated town in Mason County. We live outside the

patch needs a certain time to connect to the telephone line and receive a dial tone. After the dial tone is received, we can dump your telephone number very rapidly but not too fast that a poor signal might have a digit "lost" that was transmitted.

We are using a faster computer than we did in the beginning BUT there are somethings in the electronic and physical world that are very difficult to "hurry up" without running into marginal operation.

### #@&\*# Interference

From time to time on our repeaters there will be monkeys visiting us.

These monkeys are looking for attention and they attempt to get it by -

- a. interjecting comments with no callsign
- b. saying vulgar words or phrases
- c. dropping a dead carrier on certain users of the repeater

So, if any of these things happens while you are on the repeater or listening to the repeater, you should follow the Palomar Amateur Radio Club guidelines:

- 1) NEVER respond to a jammer or anyone using vulgar language or involved in jamming.
- 2. If a jamming signal comes on the repeater, try to talk over it and do not make ANY comments about the fact that the signal exists (do not feed the monkeys)

city limits but about 10-15 minutes away. 5 1/2 acres and plenty of room for antennas.

I put up a 102 ft dipole fed with open wire line and with a kludged antenna tuner on the bench (Z match) I have been able to load up on 80-10 meters.

Please pass this info around. I lost my addr book on this computer and haven't tried to import the one from the laptop yet. 73, Marsh & Marni

### @ Data Sheets

I found many of the data sheets for the common parts hams use here There are in PDF form

<http://www.qsl.net/n4xy/PDFs/>

I didn't notice it at first but there are also some interesting antenna and other projects in that list. 73, Dennis N6KI

## Space Pictures

Rob Landis of JPL sent some great images of the San Diego area shot by the Expedition 2 crew (on the International Space Station) last month.

<<iss002e7444\_SanDiego.jpg>>  
<<iss002e7447\_SanDiego.jpg>>

For more of these and other places on Earth, visit the following website:

<http://eol.jsc.nasa.gov/sseop/>

<http://eol.jsc.nasa.gov/sseop/>

## Barbecue (fire dept)

It's that time of year again! The Palomar Mountain Volunteer Fire Department Annual Barbecue and Craft Fair is coming up on Labor Day Weekend!

Saturday, Sept 2nd, 11:00 to 5:00, at the Palomar Mountain Fire House.

Featuring Barbecue Beef and the all the Fixin's! Adults \$7; Children under 12 \$3.50. Fun for the entire Family with Music and Entertainment: Craft Fair, Dunk Book, Rummage Sale, Bake Sale, Popcorn, Goodies ...and the RAFFLE with great prizes including a Vacation for Two! You just gotta be there!

*(The Palomar Mt. fire department is the group that serves the area where our repeaters is located and if you are looking for a nice day up in the mountains, the Barbecue is a nice excuse for a visit besides the other attractions avail-*

*able: parks, Palomar Observatory, mountain views, great hikes, etc -Ed)*

Raffle Tickets for the Annual Volunteer Fire Department Raffle Extravaganza are now available! With over 100 prizes, we draw winners all day long during the Barbecue on Labor Day Weekend! The Grand Prize is a vacation for two with airfare, lodging, car rental and \$200 cash! You don't have to be present to win. Wow!

## FARC

The same day that PARC installed its shiny new repeater antennas, FARC (the Fallbrook Amateur Radio Club) was polishing its two repeaters on Red Mountain.

The FARC system, which consists of a 2M repeater and a 440 repeater, have their audio lines tied together. You can enter the system on either band and your signal will automatically be retransmitted by both repeaters at the same time.

See the FARC system in pictures at:  
<http://www.angelfire.com/ca2/farc/repeater-pix01.html>

Use and enjoy the FARC system on 146.175(+) or 445.600(-) MHz. The PL tone is 107.2 for both bands.

## Al and Mikey

Our new e-mail address is -

[Alauf30@yahoo.com](mailto:Alauf30@yahoo.com)

[Mickeymkfus@yahoo.com](mailto:Mickeymkfus@yahoo.com)

Albert & Mickey Fahnestock, 1650 East Old Badillo St Apartment C-207, Covina, CA 91724-3163

## VE Exams (Aug 11)

[Rusty Massie Dunedancer@worldnet.att.net](mailto:RustyMassieDunedancer@worldnet.att.net)

CARMICHAEL, TINA M. K6TMC TECH

FOGARTY JAMES K. -- EXTRA

HART, NOOSHIN -- TECH

HELLAND, JON P. -- TECH

IURILLO, DAVID M. -- TECH

LINDBLOM, PHILLIP E. N6DDF TECH

PAYNE, BENJAMIN L. -- TECH

SCHEFE, HARRY KE6CXO TECH

SMITH, ROBERT M. -- TECH

WEBBER, MARK L. -- TECH

WEILER, GLEN K16BA ADVANCE EXTRA

COX, ARTHUR NYBHR TECH GENERAL

## AREA 809 \$\$\$

If you get an e-mail, voicemail or page telling you to call a phone number with an 809 area code, beware. Chances are, it's a scam and your phone bill will be astronomical. The FCC has issued a warning:

[www.fcc.gov/cib/consumerfacts/809.html](http://www.fcc.gov/cib/consumerfacts/809.html)

## Ham Help Net

The Ham Help Net is looking for a replacement for Mike **AB6QT** who has been serving as co-net manager for several years.

His resignation takes effect immediately. Mike cited other obligations that needed his attention.

Please contact David **KC6YSO** on the 9 pm Thursday evening net on 146.730 and/or drop David a note at -

[KC6YSO@amsat.org](mailto:KC6YSO@amsat.org)

to volunteer to help with the net.

This is one of our more popular nets serving the amateur community allowing amateurs to ask questions and receive answers from other amateurs who have knowledge in the area of the question being asked.

## FRS Radios

The following FCC Rules may be of some interest (from the Code of Federal Regulations revised as of October 1, 2000):

(1) FCC Rule Sec. 95.639, Maximum transmitter power:

Extract:

(d) No FRS unit, under any condition of modulation, shall exceed 0.500 W effective radiated power (ERP).

(2) FCC Rule Sec. 95.647, FRS unit and R/C transmitter antennas:

The antenna of each FRS unit, and the antenna of each R/C station transmitting in the 72-76 MHz band, must be an integral part of the transmitter. The antenna must have no gain (as compared to a half-wave dipole) and must be vertically polarized.

The FRS service is neat because it is low cost and license-free, FM is used, there are 14 channels to choose from, CTCSS is allowed, the power is strictly

# Committee Chairmen

- ARESinfo. -Dennis S K7DCG@amsat.org
- Attendance -Stan R W9FQN@amsat.org
- ATV -Billis KB6MCU W6GIC@amsat.org
- Auction -Ted W KF6BFI@amsat.org
- Badges new -Al W6GNI@amsat.org
- Batteries -David KD6EY DAT@Gerry.Palomar.caltech.edu
- BBSMonitor -Bill B N6FMK@amsat.org
- Billing:Ads/etc -Lyell K K6GVM@arri.net
- By-laws -Paul KF6VIE pdecicco@pondlaw.com
- & -Ron RWA9JCL r3mb@concentric.net
- Contest Info -Dennis V N6KI@amsat.org
- ControlOps -filled W6NWG@amsat.org
- D.Mar Fair-Barbara R KA6FPS Teamis42@juno.com
- Emergency QTH's (Emergency Com. Centers)
- HarryH -W6YOO W6YOO@amsat.org
- DennisV -N6KI N6KI@amsat.org
- Field Day -Charlie R NN3V@ARRL.net
- FDTech -John K WB6IQS@juno.com
- Historian -Stan R W9FQN@juno.com
- Interference -Billis KB6MCU W6GIC@amsat.org
- Inventory -Dennis B dennisKD6TUJ@juno.com
- MtgGoodies -Jim E Whisky6SST@juno.com
- Membership -Al W6GNI aldonlevy@juno.com
- Nets -Stan R W9FQN@juno.com
- Newsletter -Stan R W9FQN@amsat.org
- PALBBSpkt -Bruno H KF6QDP@amsat.org
- Patch Info -Stan R W9FQN@juno.com
- PatchETronics -Jerry H WB6FMT@amsat.org
- Picnic -Mark R KF6WTN@amsat.org
- PowerAC/DC -Mike P KD6VHI@amsat.org
- Programs -Charlie R NN3V@ARRL.net
- Publicity -Fred S K6ISS@amsat.org
- QSL Cards -Merle R KR6BT@juno.com
- RACESinfo -Jo A KB6NMK@amsat.org
- Red Flag- W6HCD NashWilliams@CompuServe.com
- Rptr Site -Stan R W9FQN@juno.com
- Rptr Skeds -Stan R W9FQN@juno.com
- SANDARC -Sybil A W6GIC@amsat.org
- Bill S KB6MCU W6GIC@amsat.org
- SellerTable -John K WB6IQS@juno.com
- AsstSWD/Dir -Walt WA6ODQ@arri.net
- TechSite -Mike D AB6QT@amsat.org
- TestingVE -Rusty M, DuncDancer@worldnet.att.net
- Training - W6NWG@amsat.org
- TrusteeW6NWG -Mike D AB6QT@amsat.org
- Web Site -Frank L KE6WOE@amsat.org

## (Net Managers) (see pg.12)

- ARES Sun -Stan R W9FQN@amsat.org
- Staff Net -David D KC6YSO@amsat.org
- ARES 6m -David D KC6YSO@amsat.org
- Ham Help -Mike D AB6QT@amsat.org
- David D KC6YSO@amsat.org
- Hiking -Ed KF6DXX@juno.com
- Glenn P KE6ZLY KE6ZLY@juno.com
- MARA -Cathy KE61QU W6NWG@amsat.org
- Microwave -Kerry B N6IZW@qualcomm.com
- Off Road -Jerry A jwalk@pfp@cts.com
- Dick W KA7AYT rw@timek@home.com
- Sailors -
- Traffic(SDCTN)-CharlesN6TEP cmieia@juno.com

**Names** in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to **W6NWG@amsat.org** or P. O. Box 73, Vista, CA 92085-0073.

limited and external and gain antennas are prohibited (so the channels are uncluttered unless some wise guy is working DX from Santiago Peak!). Best 73, Bob/W6VR

(your Editor used FRS radios on his recent Geology 195 2,200 miles trip given through Palomar College and they really worked much better than the CB radios used in years past)

## Sprayed Antennas

The July issue of a military communications magazine called the Signal tells how researchers are studying applications and materials to create antennas that are sprayed onto a surface.

To create an antenna, a template is placed on the desired surface. Then metal-based or carbon-graphite based paints are sprayed over it. Peel away the template, install an RF connector and -- voila -- an almost instant antenna precisely trimmed to the desired operating frequency. (*Amateur Radio Newslite*)

## Power Line Ant.

Power line communications (PLC) uses the power line to transmit data at 2 Mb/s or more. The technology, now implemented in Germany but soon to be implemented in other countries, has the amateur radio and short wave listening (SWL) communities on high alert.

They claim that the technology has gotten ahead of regulatory developments and that could lead to the end of amateur radio and SWL as hobbies. They point out that at this point in time it's not even clear whether the R&TTE or EMC Directive covers PLC. Germany has a draft regulation in works in an attempt to control emissions from PLC, but it's not yet ready to be enforced. CENELEC and ETSI have also not agreed on which organization should control standards development in the field.

There is also widespread skepticism that measurements made on PLC in the laboratory will predict with any accuracy how PLC will act in the field. Amateur radio operators have one consolation though. Firing up a 1 kW

transmitter has been known to slow down a neighbor's PLC to a crawl.

Here in the United States Ed Hare, **WIRFI**, is the ARRL point person on the subject. With the assistance of Cortland Richmond, we have compiled these links for more information:

Radio Nederland Editorial:  
[http://www.rnw.nl/realradio/features\\_archive/html/020201.html](http://www.rnw.nl/realradio/features_archive/html/020201.html)

ARRL Documents:  
<http://www.arrl.org/~ehare/plc/sec75.pdf>

## Antique Tubes

Here is a web site dedicated to antique lamps and tubes (generally pre-1930). This link goes right to the radio tube page:

[http://www.bulbcollector.com/cgi-bin/image-Folio.cgi?direct=Vacuum\\_Tubes/Radio\\_Tubes&img=1](http://www.bulbcollector.com/cgi-bin/image-Folio.cgi?direct=Vacuum_Tubes/Radio_Tubes&img=1)

And here's the web site index page for radio tubes:

[http://www.bulbcollector.com/links/pages/Radio\\_Tubes/](http://www.bulbcollector.com/links/pages/Radio_Tubes/)

And finally the URL of the Tube Collectors Association:  
<http://www.tubecollectors.org/>

This will give Communicator readers points of contact for unloading some of their very old tubes that would otherwise get tossed. Phil Wells, MCSE, San Diego, [phil@philwells.net](mailto:phil@philwells.net) (*de W6VR Bob's CGC Communicator*)

## LED Flashlights

While-colored light emitting diodes (LEDs) are being incorporated into long-lasting flashlight products such as this offering from Petzl. The "Zipka Headlamp" should be ideal for a wide variety of applications:

<http://www.petzl.com/FRENG/frheadlamps/headlampframe.html>  
via Bob **W6VR**

## Scope (postage)

The recent postage increase has hit the club but not very hard. Our mailing costs were 11.1¢ before the change and are now 11.2¢ which translates into a total cost per mailing of about 50 cents more than before.

## PARC NETS (06/01)

All 147.075 10-11pm MCW contacts

All 147.130 2130+ pm Facitious Group

Sun.146.730 8:30am AREmergency Service

Sun.146.730 10:00am Sunday Sailor's Net

Sun.147.075 8:45pm MARA Net

Mon.146.730 9:00pm Microwave Net

Tue.146.730 8:00pm Traffic Net (SDCTN)

Tue 146.730 9:00pm Off Roading Net

Thu.146.730 8:00pm Traffic Net (SDCTN)

Thu.146.730 9:00pm Ham Help Net

(electronics, computers, antennas, license theory, etc.)

Fri.146.730 9:00pm Hiker's Net

Sat. 146.730 8:00pm Traffic Net (SDCTN)

Sat. 52.680 8:00pm 6m ARES Net

"other non-PARC nets"

Convair/220 Club: 224.900 PL 107.2 Hz

Mon 8:30pm, Tech. & News

Fallbrook ARC:146.175 + PL 107.2 Hz

Tues 7:00pm, General Discussions

## POSTMASTER:

Send address changes to Scope,  
P.O.Box 73, Vista, CA 92085

## Time Dated Material

## Aug

2001

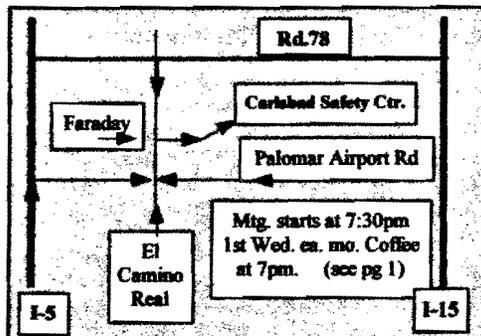
pg.12

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1,588



Periodicals  
Postage Pd.  
at Vista CA  
92085-9998



# pse cover me!

Fold, I am not sold but old and cold, I am told!

## PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

## OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWG)

PARC Trustee of W6NWG: AB6QT

\*52.680- W6NWG, -0.5 MHz

Autopatches(4): 146.730-, \*147.075+

\*147.130+, \*447.000-

PKT: 145.050s (PALMAR/W6NWG-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

Intercom: 146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94- KK6KD(HARS)

\*447.05- & \*145.26- KK6KD(HARS)

\*146.175+ N6FQ(FalbrkARC) linked

to \*445.600 MHz (-)

\*224.90- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

107.2 Hz

## P.A.R.C. Inc (2001 Board)

Pres: Allen Maslowski N2DCA 858.642.2400x1229

N2DCA@arrl.org

VP: Charlie Ristorcelli NN3V 858.676.3307

NN3V@arrl.org

Sec: David Patterson WB6DAV 760.727-5560

WB6DAV@arrl.org

Treas: Jo Ashley KB6NMK 760.741.2560

KB6NMK@arrl.org

Dir#1: Mark Raptis KF6WTN 760.749.4825

KF6WTN@arrl.org

Dir#2: Capt.Ted Wilcox KF6BF1 858.272.7422

KF6BF1@arrl.org

SCOPE: Stan Rohrer W9FQN 760.749.0276

W9FQN@arrl.org

Technical: Mike Doyle AB6QT 760.742.1573

AB6QT@arrl.org

MSH: Al Donlevy W6GNI 760.630.3096

aldonlevy@juno.com

See page one for club activity date listings.

## Join the ARRL see KB6NMK at club meetings

Sonny Stires, WA5ACE, has been appointed to serve as club secretary until WB6DAV returns.

## Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

ARES Alert Publication

<http://www.qsl.net/sdgarr/alert.htm>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>

## PARC Testing - tests given each 2nd

Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty AA6OM at 760-747-5872 or at

[DuneDancer@worldnet.att.net](mailto:DuneDancer@worldnet.att.net)

Register 5-7 days in advance for tests.

Escondido Testing - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N.Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.



# Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Oct  
'01  
pg.1  
-109-  
1,589

## Palomar Amateur Radio Club Inc.

also TV &  
4 Autopatches

Scope (USPS #076530) Vol. XXVII No. 10, Oct. 2001, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085.

Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

**POSTMASTER:** Send address changes to SCOPE, P.O. Box 73, Vista CA 92085-0073.  
See pg. 12: PARC Frequencies, Club Officers, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

### Club Meeting

Charlie Ristorcelli NN3V@amsat.org

(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most people come at 7:00. See map on page 12 for directions -Ed)

#### Next Program

Have you ever wondered whether or not antennas can be manufactured from non-metallic components?. Imagine the thrill of using balsa wood to build that full size 80 meter beam!. No rust, no muss, only termites to worry about?

All kidding aside, non-metallic antenna design and fabrication is a serious science, and one that is attracting attention in many places.

This month our very own **W6JAB** (Bill) will reveal some of the secrets of non-metallic antennas. He will present the theory of two types of non-metallic antennas, and describe in detail their manufacture techniques. Then he will give us information on their testing, and compare the results of their testing to those of regular antennas. Given their composition and fabrication methods, he will discuss some of their unusual applications, and provide handout material on this fascinating subject. In Bill's own words: "Come to the meeting and all will be revealed".

So come on out to the meeting, ignore the man behind the green curtain and have some fun. And remember that many of us congregate in the Carlsbad

# USA at WAR!

area just before the meeting to enjoy one of the many eating emporiums! Join us on the 146.730 talk-in, and have an eye ball with fellow hams. 73 de NN3V

### Coming Events.

- Sept. 30th, Sun - Club Picnic
- Oct. 3rd, Wed - Club mtg, program
- Oct. 7th, Sun - Work party Palomar Mt.
- Oct. 7th, Sun - 147.13 bike ride
- Nov. 7th, Wed - Club Auction Mtg.
- Nov. 24th, Sat - Toys for Tots Run

### Club Election (update)

- Oct - Nominating Committee Rpt with slate announced
- Nov - Nominations from floor  
Club AUCTION (see pg. 6)
- Dec - Club election

### Board Mtg. (Minutes)

Sonny Stires W5ACE SStires@prodigy.net  
September Meeting called to order at 6:55 P. M. by Allen N2DCA.

Board members present: Allen N2DCA, Al W6GNI, Jo KB6NMK, Stan W9FQN, Mark KF6WTN, Charlie NN3V, Mike AB6QT, Sonny W5ACE. (KF6WTN & W9FQN were not present at 6:55 having arrived about 6:58. W9FQN strongly objected to the meeting starting before the published 7pm time without notice to all Board members. KF6WTN concurred. -Ed)

Guests present Dennis K7DCG and Norm KF6GOF

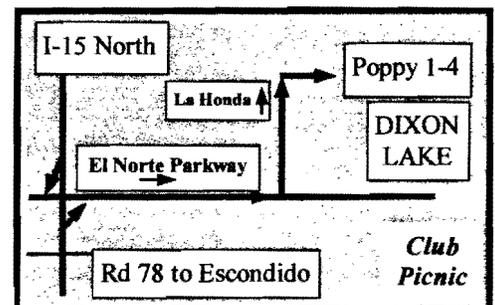
It was moved to accept the Treasurer's Report. Motion was seconded.

Jo did inform the board that she had "rolled over" a CD for two-years.

Mark led a discussion of various details regarding the coming PARC picnic. There was a motion/second for the treasurer to give Mark \$50 for picnic supplies.

Motion/second to approve the minutes of last month's board meeting.

The Convair/220 club rental was discussed and will be continued as is until January '02. It can be reviewed 90-days



before this date.

Al will keep track of the participation sheets for tickets at the PARC picnic.

Dennis *K7DCG* presented his views and request for the Sunday ARES net. Motion was made to accept the net with PARC's three qualifications. Motion was seconded and approved. Also, the Section Emergency Net which meets at 7 P. M. on 147.30 the third Wednesday of each month was also accepted with a motion and second.

Our insurance carrier has sent a "Notice of Non-Renewal" effective 11-01-01 at 12:00 A.M. Jo and Sonny will coordinate efforts to secure another policy for PARC.

Motion and second to donate \$20 to the Palomar Mountain Planning Organization.

Motion and second to donate \$12 to the "PATCH QTH'S" and those are *N6IZW*, and *N6QVW*.

Motion and second to renew PARC's annual membership in Tasma. Cost \$10

Mike will check out "what's going on" with ATV at the repeater site.

Mark has agreed to represent the board at the Radio Roundup, which meets 10/20/01 at the Kearny Mesa Rec Center.

The SCOPE will outline Frank *KE6WOE*'s significant contribution in this area. Charlie agreed to write the article.

Board received a request for use of 147.13 for a BIKE EVENT. Motion and second (passed)

Motion and second to inform *KA6UAI* and *KK6KD* that they are in default of our present contract. They will be sent a modified version of the 220 contract. There was one abstention (*W9FQN*).

Motion to amend paragraph 8A of PARC's Repeater Policy dated 11-21-96. After much discussion motion was rejected.

Prez Allen discussed some interesting future programs coming up.

Mark discussed a variety of other items concerning the PARC picnic.

Membership was discussed. PARC lost 45 members in July and 20 in August. Current membership stands at 532.

Next board meeting will be at Mark's home.

Mike gave board the "technical report".

Stan led a discussion of the last work party. Meeting adjourned at approximately 8:35 P. M.

Respectfully submitted, Sonny Stires, *WA5ACE*, Temporary Secretary

## President's Message

Allen Maslowski [N2DCA@amsat.org](mailto:N2DCA@amsat.org)

Our club is looking for volunteers

again. Elsewhere in this Scope you will see information on how you can help PARC stay informed on important issues regarding SANDARC and Tasma. If you have an interest in helping your club, we need representation for these two groups. Further details are in the respective articles.

The tragic events that took place last month present evermore reason why, as amateurs, we must remain ready to serve our community in whatever capacity our club can provide. Our recent Field Day exercise has helped prepare us on emergency communications. There are as you know groups such as ARES and RACES and the like, that have provided service to the community in times of need. Their practice drills have used the Palomar repeaters for their communications. PARC will continue to support their efforts and others that use our repeaters.

Not much more can be said except for a retrospect of the events of September.

We will never forget what took place last month. We must move forward, as individuals, as a community, as the nations around the world. Although this terrible tragedy took place on American soil, it targeted the people of the world. That terrorist act was meant to cripple the U.S. economy resulting in global chaos. Each of us has the ability to stop that from happening by re-committing ourselves to our jobs, trying to get back to our normal routine and enjoying life and ourselves. Even though this is going to be very tough, it is one way we all can contribute to the ultimate failure of terrorism. *N2DCA*

## Letters to the Editor

Thanks to all that have contributed to the mediation of this latest disaster.

Special thanks to the minute-men and women who fought back in the air... they are the "Alamo" of this event. I hope we will care for the people they left behind as much as they did.

It is likely to be a great influx into all emergency response groups. Many

will not be use to adenaline and may put themselves and others at risk. Training will need to include aspects we have not had to focus on before.

Start now! 73 Pc, wa6til

----- Original Message -----

From: Emily Wolfe

To: DEE KINCK

Sent: Saturday, September 15, 2001 12:05 PM

Subject: Fw: ARES/RACES - East Coast

Some already are calling it "Amateur Radio's Finest Hour," as volunteers answer the call to assist in ongoing relief and recovery operations in New York City, Washington, DC, and western Pennsylvania in the wake of terrorist attacks on the US September 11. The need continues for operators to assist over the long haul, however. Current estimates suggest hams may be needed for a month or longer in the New York City area, and for at least the next two weeks in Washington, DC.

Along with most other federal agencies, the FCC closed its offices and sent its employees home following the attacks. The FCC issued no emergency declarations nor other special instructions to the Amateur Radio community. The ARRL advised amateurs to stay alert to instructions from local authorities.

New York City-Long Island Section Emergency Coordinator Tom Carrubba, *KA2D*, reports that hams have been supporting emergency officials and the American Red Cross relief and recovery effort. Amateurs have been staffing several Red Cross shelters in addition to a staging/National Disaster Medical System center, various Red Cross units, and the Greater New York City American Red Cross Headquarters as well as the New York City Office of Emergency Management.

Carrubba says the telephone system in lower Manhattan continues to be problematic because of the high call volume. "American Red Cross communications are overloaded, and traffic from the shelters is coming into the New York

City net at a rapid pace," he said. "The Amateur Radio ops are doing a great job under very difficult and strange conditions, but this is what they have trained for; they are getting it done well."

Red Cross Communications Officer Jay Ferron, N4GAA, agreed. "The Amateur Radio community has come out very big and very strong," he said, adding that local clubs and repeater groups have volunteered gear, frequencies and operators. New York City District Emergency Coordinator Charles Hargrove, N2NOV, has expressed his appreciation to the amateur community. "Thank you for all the support and well wishes," he said. "This is a difficult time for all of us. We appreciate all the amateurs who have volunteered their time and equipment."

Carrubba also cited the ongoing efforts of Guy Richman, KC2AYG, who has been coordinating net controls for the ARES nets, and Manhattan ARRL EC John Kiernan, KE2UN.

Carrubba is seeking additional volunteers from the Greater New York City

region. He has asked out-of-state volunteers to "stand by until we can provide for your safety and comfort." Volunteers need a VHF (2-meter) or, preferably, a VHF/UHF (2-meter/70-cm) mobile radio, power supply and cables, and mobile/portable mag-mounted gain antenna. Carrubba says hand-helds are not sufficient to deal with the difficult operating conditions.

"Operators are still needed," he said, but stressed, "This is a difficult assignment."

Amateurs are working two 12-hour shifts per day, 8 AM to 8 PM and 8 PM to 8 AM, "plus or minus three or four hours, mostly plus," Carrubba said. Additional information is available on the ARRL Web site <<http://www.arrl.org>>.

At the scene of the Pentagon attack near Washington, DC, Virginia Section Emergency Coordinator Tom Gregory, N4NW, reports an "upbeat" crew of about two dozen amateurs is staffing six Amateur Radio stations in the immediate vicinity of the Pentagon. "What shocked me the most was the devastation you can see right there, 100 feet from the building," Gregory said. "The destruction is total."

The ARES operation is providing logistical support between the Salvation Army's relief and recovery effort on site and the agency's Arlington headquarters. The Salvation Army has deployed several mobile canteens and a feeding unit to serve military and civilian emergency personnel assigned to the recovery operation.

"What we're finding is that communication is very difficult because of the tremendous amount of noise from the construction-type equipment and the generators providing power for the lights and support staff," Gregory said. Because of the noise level, operators are being rotated frequently in and out of the immediate vicinity of the attack. "There's the emotion of it, and there's the tremendous amount of noise, and it's very grating on you

because you can hardly hear the radio to communicate," Gregory explained.

Gregory described the entire area as "very crowded with people" inside and outside the Pentagon. "People and equipment cleaning up, finding bodies, finding plane parts, firefighters still checking for hot spots, hoses, equipment," he said. "The damage to the building looks worse when you are right next to it than it does on TV."

"I found that it took me a few minutes to realize the gravity of what was going on and the importance of what we hams are doing in our own small way to help out," Gregory said. "The devastation of that building is awesome, and it puts things in perspective and it certainly made me proud to be an Amateur Radio operator and serve the people of the United States by offering the support we could."

The Pentagon ARES operation continues to seek volunteers. "Because of the immensity of the thing, we're trying

**Treasurer \$\$\$\$\$**

Jo Ashley  
KB6NMK @amsat.org  
See me at club meetings for "hard copies" of financial statement(s).

Location	06.30.01	08.31.01
CD179-1311891-8	3,064.21	3,090.97
CD8761216457-6	2,447.84	2,468.66
CD8761216625-9	2,598.29	2,616.87
CD8761216778-6	2,53.32	2,588.83
CD8761391556-4	3,098.89	3,124.27
Checking 010566	3,493.68	1,642.57
Post Office	102.80	103.21
CaSh+CD's	17,369.03	15,635.38
LongTermReserve	9,000.00	8,000.00
Pre-Pd.dues/liab projects/available	6,233.00	7,187.00
	2,767.00	448.38

Last month's Scope Helpers:  
Thanks to W6GNI for the folding space and the refreshments.

<b>W6HCD</b> Nash Williams		<b>N6OYG</b> Victor Musil
<b>K6ML</b> Jim Paquin		<b>WA5ACE</b> Sonny Stires
<b>N6UZH</b> Terri Brewer	&	<b>MY2KID</b> , Kimmy & Toby
<b>KB6NMK</b> Jo Ashley		<b>KG6AEW</b> Bill Owen
<b>W9FQN</b> Stan Rohrer		

**PALOMAR ENGINEERS**  
Box 462222, Escondido, CA 92046

**TOROID CORES**  
Palomar stocks a wide variety of cores and beads. Our RFI Tip Sheet is free on request. Our RFI kit keeps RF out of your telephones, TVs, stereo, etc. Model RFI-4 \$25 + tax + \$6 to ship.

**BALUN KITS**  
Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160 m).

↓

**Model BA-58** (for RG58, RG8X & similar cables up to 1/4" dia. \$7.50 + tax + \$6 S&H/order  
**Model BA-8** (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

**TUNER-TUNER**  
Tune your tuner without transmitting. Save that rig! Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You have a 1:1 SWR.  
Model PT-340 \$99.95 + tax + \$6 S&H

See catalog at [www.Palomar-Engineers.com](http://www.Palomar-Engineers.com)  
Please check our complete ads in QST, 73, CQ, and World Radio magazines.

to have six amateurs on duty at all times," he said. "We need 20 volunteers every day for at least two weeks." Volunteers should e-mail Tom Gregory, N4NW, at [n4nw@arrl.net](mailto:n4nw@arrl.net).

Gregory emphasized that Pentagon site security is extremely tight. All ham volunteers must have a photo ID issued by a government entity to the secured area. "The FBI is handling issuance of IDs for access to the secured area and is doing a complete NCIC check before a photo ID is issued," Gregory said.

At the so-called "fourth" plane crash site in rural Somerset County western Pennsylvania, Kevin Custer, W3KKC, reports a busy scene as the investigation continues. Custer arranged preliminary repeater communication into and out of the crash site on Tuesday to help the Red Cross, Salvation Army, Pennsylvania State Police, the FBI and other state and federal agencies on the scene.

Custer said the investigation could continue for several weeks. "At this time we are preparing for the possibility of family members coming to the crash site—or close by," he said.

Montgomery County, Maryland, Deputy RACES Officer John Creel, WB3GXW, observed that while the enormity of the attacks is bound to touch the amateur community directly or indirectly, he has seen nothing but professionalism among the responding operators in his area. Creel advised amateurs to "just be prepared," and he echoed the sentiment of many that the events of September 11 "will be with us for the rest of our lives.

More detailed and updated information on Amateur Radio's involvement in the disaster relief and recovery efforts is available on the ARRL Web site <<http://www.arrl.org>>.

**ARRL PRES PRAISES AMATEURS'**  
ARRL President Jim Haynie, W5JBP, has expressed his deep appreciation to amateurs throughout the world who have sent messages of condolence and support. Haynie also praised the actions of Amateur Radio volunteers.

"The shock and horror of yesterday

morning's events are still fresh in our minds," Haynie said the day after the September 11 terrorist attacks. "Radio amateurs in New York City and elsewhere around the country are doing everything they can to support the authorities in locating and assisting victims. We know that there are many among us who have been touched personally by these tragedies, but there is comfort in knowing that we are not alone in our grief."

"Never have I felt more strongly about what a great privilege it is to be a part of the extraordinary global community of Amateur Radio," Haynie concluded.

Messages of support arrived throughout the week at ARRL Headquarters from International Amateur Radio Union member societies and from individual amateurs around the world. Japan Amateur Radio League President Shozo Hara, JA1AN, expressed "great shock and dismay" at the attacks in New York and Washington and offered "heartfelt condolences to the victims and families of the victims" as well as any assistance JARL could offer. Deutscher Amateur-Radio Club Managing Director Bernd Haefner, DB4DL, relayed similar sentiments. "At this horrible time, we all are Americans," he wrote.

ARRL Vice President Kay Craigie, WT3P, noted that, on a day when many Americans were rushing home to be with their families, many radio amateurs were assisting in the emergency response. "Compared to the sacrifices by emergency responders in New York City and at the Pentagon, it was a small thing, yet a thing that should not go without notice."

#### **AMATEURS AMONG MISSING**

At least four Amateur Radio operators are among the many still missing in the aftermath of the September 11 attack on the World Trade Center in New York City. The attack also destroyed the major TV and radio transmitting site atop one of the twin towers.

The hams reported missing so far include:

\* Steven A. "Steve" Jacobson, N2SJ, 53, of New York City, a transmitter engineer for WPIX TV, and an ARRL

member.

\* William V. "Bill" Steckman, WA2ACW, of W Hempstead, New York, a transmitter engineer for WNBC TV. He was well known in the NYC area and ran a number of repeaters from the World Trade Center, most notably the 434 MHz ATV repeater.

\* Robert D. "Bob" Cirri Sr, KA2OTD, 39, an ARRL member from Nutley, New Jersey and the ARRL District Emergency Coordinator for Hudson County. A Port Authority police officer, Cirri was on the job helping to evacuate workers from the building when it collapsed.

\* Michael G. Jacobs, AA1GO, 54, an ARRL member from Danbury, Connecticut. Jacobs worked at Fiduciary Trust Company International, which had offices in the World Trade Center.

The collapse of the World Trade Center brought down the master TV transmitting antenna that served all but one television station in New York City, as well as several radio stations and amateur repeaters. "The broadcast community is in absolute shock," said Hudson Division Vice Director Steve Mendelsohn, W2ML, who works for ABC News. "We all knew transmitter engineers, we all knew people who worked up in those towers near those big television transmitters, and they're gone."

Mendelsohn said many viewers in the Greater New York City Area who are not on cable can only see WCBS, channel 2, which maintains its transmitter site on the Empire State Building. WCBS has offered assistance and space to help the other stations get back on the air from its site, he said.

"None of the other transmitters exist anymore. They're in the rubble along with the master antenna system, hundreds and hundreds of two-way radio system antennas, and boxes and, of course, untold thousands of people who perished."

There was cause for rejoicing in the case of another amateur who worked in the World Trade Center. Rob Nall, WV0S reports that his friend, Herman Belderok, Jr, KBØEBB, managed to get out of the building just minutes before the structure collapsed.



# For Sail

(9.07) Yaesu FT-847 xcvr new in box with FC-20 auto. ant. tuner invoice \$1,980 sell for \$890: C.L.Ball N6HLY 858-538-0546.

(9.05)Kenwood 30A pwr new box \$??; Icom R100 unblocked scanner 1-1856MHz \$400; Yaesu FT23 TTP-EC/DC \$124; Yaesu FT7005 TTP-EC/DC \$150; Yaesu Spkr mic \$30 & VOX headset \$20; Yaesu(2) NC29 chargers \$50ea; Yaesu NC37 charger \$55; (above OBO + 4 batteries); Complete listing of above and other items at meeting (see W9FQN): Stu K6EXL 760-757-9206.

(8.26)Computer, 133 Pentium, 64M RAM, 2.5G HD, Tape Backup with 10-250Meg Tapes, CD & Floppy, Mouse, Modem, Monitor, Microsoft Win98, Office 97 (Word, Excel, PowerPoint, Outlook, Access) plus other software. With all original documentation. \$200 for all, Bernie N6FN 760-781-5522Wk, 760-746-7411Hm.

(8.20)Heathkit DX-35 Transmitter, Heathkit Conelrad Alarm CA-1, Titen 6 meter base amplifier 100w, WRE Decade Resistor model ARD-41, HP 34072A digital multimeter & will accept reasonable offer: Harold KG6DVD 760-630-8701

(7.10)Heathkit-SB-200 amp. (10-80m) \$300; Heathkit SB200 6m amp. 700watts \$450; KENWOOD TMV7A 2m/440 mobile w/mobile mount -no separation cable \$350; ICOM 706 w/separation cable \$550; ICOM 471A all mode 420-450 mhz \$400; TIMEWAVE DSP 59+ make offer BIRD

Jeff N6FRW

Grace N6WPA

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*Personal equipment ads are free to members and could be "bumped" after 3 mo. Make up your ad like the ones on this page. Send to Editor, W9FQN, 30311 Cir. R Ln, Villy. Ctr. CA 92082, (W9FQN@Juno.com) before the 20th of each month.*

*Commercial Ads in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. W9FQN@Juno.com*

wattmeter w/SO-239 connectors w/slugs (50-125mhz,1kw) (50-125mhz peak mode max avg power 1kw) Manuals all gear except BIRD. No trades: Steve KO6ET@amsat.org

(6.29)Icoms IC-2100H \$139 OBO 5mo old w/instructions manual box & no mods; IC-T7H Dual Band Handheld \$139 OBO manual, box, gud condition, little use:

KG6AZK 619-588-2493 ja-cox@home.com

(6.19)MOVING SALE - Icom IC-735 160-10mtr xcvr \$400; Complete packet station including computer \$250; 160-10m trapped dipole \$25; Hy-Gain TH5DX 5el tri-band beam \$75: 11el 2m beam \$30; Hvy Duty rotator \$25; Cushcraft 2M/440 vertical \$25; Coleman 1.5kw gas powered generator \$250; Swan 200w-2kw SWR meter \$25; Heath Cantanna dummy load \$25; Heath Digital Electronics course w/breadboard \$30; All band portable SW revr \$25; Computer furniture, coax, lots of other stuff: Scotty KH6TL @ (760) 727-8836, 390-1980 or KH6TL@juno.com.

(5.25)Kingston 8-Port 10MB Ethernet Hub (also coax connections) & two 3COM 10Base-T network adapters (ISA), original package \$50: ka2blq@amsat.org

(5.12)6ea color T.V. sets free: Lee KE6NLZ leonluce@nctimes.net Rainbow. 760-728-2078

- (5.09)ESTATE KG6AMQ(SK) Sale-
1. Yaesu YS-60 1.6 - 60 MHz Power & SWR Meter. Meter has 0 - 2 Kw power handling capacity. Mint condition \$140
  2. VCI V300M 300w HF ant. tuner \$85
  3. Yaesu SP-767 speaker and phone patch. Ideal for use as a phone patch and external speaker for any HF rig \$80
  4. Radial Larsen 2m glass mt 1/2 ant \$40
  5. Van Gorden HI-Q 1-1 Balun \$20
  6. KB6MT High speed code course (3 cassette tapes & manual) \$15
  7. Technician "No-Code Plus" FCC license preparation course. 3rd. edition. Question effective through June 2001 \$5

# HAM

# RADIO

# OUTLET

H  
R  
O

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

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Dec 98

Directions: On 163, take Clairemont Mesa Blvd. off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and HRO sign. Be sure to see our equipment in action on real antennas.

Prices negotiable to best offer, contact 619-686-5607, or NN3V@amsat.org (5.08)ESTATE: Realistic DX-160 SWL Receiver \$70; ICOM IC 740 HF xcvr with all accessories \$450: Eestate of KB6MLA, phone (760) 632-8677.

**WANTED:** (A few good men/women) ☒

(8.26) Wanted Heathkit Apache transmitter and Heathkit Mohawk receiver: Hugh K4ESQ via W9FQN@Juno.com

(5.28)Wanted kit builder (elecraft k1 kit): Don KF6NMA Poway (858) 486-5927 donald@henkearchitect.com

### Contests

Harry Hodges W6YOO@amsat.org

- Oct 6 CA QSO Party
- Oct 6 QCWA QSO Party
- Oct 6 AR QSO Party
- Oct 6 VK/ZL Oceania SSB Contest
- Oct 7 RSGB 21/28 MHz SSB Contest
- Oct 10 10-10 Int'l Day Sprint
- Oct 13 PA QSO Party
- Oct 13 VK/ZL Oceania CW Contest
- Oct 21 RSGB 21/28 MHz CW Contest
- Oct 21 IL QSO Party
- Oct 27 CQ WW SSB Contest
- Nov 3 ARRL Sweepstakes, CW
- Nov 9 Japan Int'l DX Contest, SSB

For WAS chasers there are four state QSO parties with the big one: CA Everyone works California and California works the world. The super contest this month is the CQ Worldwide SSB with about 50,000 contestants. So if your REALLY want to work DX, this is it. Contest rules may be found in QST, CQ, NCJ, and Worldradio. CU in the contest. 73, Harry

### VE Exams (Sept 8)

- Rusty Massie Dunedancer@worldnet.att.net
- CLARK, IAN M. -Tech 2 P
- CLARK, NATHAN R. - Tech 2 F
- GRASSO, GRANT J. -Tech 2 F
- JOHNSON, HA L. -Tech 2 P
- OLSON, TRACY A. -Tech 2 P
- PLOTNER, JESSICA R. - Tech 2 P
- WEGNER, ALLAN H. - Tech (+)

### E-mails Received

Skywarn

There was a booth in the exhibit hall

at the convention in Riverside promoting a new Skywarn (weather spotters) group in San Diego. You might find it worth a mention in the Scope. See

<http://www.wrh.noaa.gov/sandiego/spotter/skywarn.htm>

73 -Paul kb5mu@amsat.org

### SANDARC Rep's Needed

PARC is actively seeking volunteer representatives (2) to attend the San Diego County Amateur Radio Council and report, by email or attending the PARC board meeting, the council's activities. PARC is an active member in SANDARC. SANDARC is made up of member clubs dedicated to the advancement of amateur radio. PARC needs to fill this volunteer position. SANDARC meetings are in the Kearny Mesa area once a month. If interested, please contact Allen, N2DCA at (858) 642-2400 x1229 or N2DCA@Netzero.Net

### TASMA Rep's Needed

PARC is actively seeking volunteer representatives to attend the TASMA general meetings and report, by email or attending the PARC board meeting, the TASMA activities. PARC is an active member in TASMA. TASMA, Two Meter Coordination for Southern California, provides amateur radio Two Meter frequency coordination. PARC needs to fill this volunteer position. TASMA meetings are in L.A. area three times a year. If interested, please contact Allen, N2DCA at (858) 642-2400 x1229 or N2DCA@Netzero.Net

### November Program

Remember the PARC Auction in November!

Start polishing your treasures so they command an attractive price, and come have some fun at the PARC Auction. And, please, INVITE FELLOW HAMS!! The PARC Auction is an exceptional value and an opportunity for fellow hams to buy items at a good price, and upgrade their toy collection!

Remember that Hams epitomize the

value of that old saying: "One person's discard is another person's treasure!"

73 de NN3V

### Club Membership

Al Donlevy aldonlevy@Juno.com

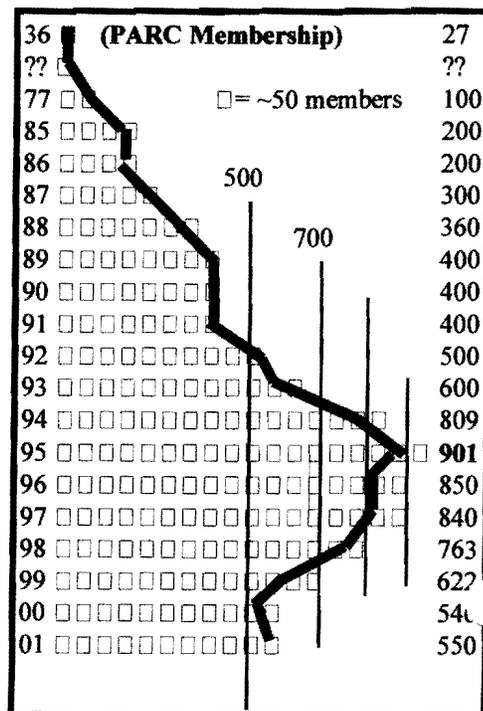
More New Members Joining PARC:

- KG6HSQ, KG6HKA, KC6NXZ,
- KG6HKM, K6TMC, WA7TCD,
- KG6HBF.

When you hear these calls on a repeater, greet our new members.

Please check your label for information on when your membership expires. If you see a "green" stripe on your label, you only have one more SCOPE coming. A red stripe means that your membership has expired, or will expire in a few days.

For a number of years, Stan Rohrer, W9FQN, has been keeping track of the club "Participation Points". These points are converted to raffle tickets at the club picnic. The task of keeping track of the points is now being done by membership (me). From time to time, we will print the number of points that I think you have, so far, on the SCOPE label. It will be after your name, on the same line. I will not be printing any zeros! Just another reason to check your SCOPE label. 73 and Tnx Al



## Repeater Status 09.22.01

146.730+ : Normal  
147.075- : Intermittent problem  
147.130- : Normal  
447.000- : No patch attached  
52.680 : Not operational  
146.700- : Packet Repeater Normal  
145.050s : Packet Digi Normal  
PALBBS : Bulletin Board Normal  
AutoPatch: Fully Operational  
ATV : Operational

## Work Parties

Aug.05, Reg work party Rpt Site  
Sept.09, Reg work party Rpt Site  
Oct.07, Reg work party Rpt Site  
Nov.11, Reg work party Rpt Site

## Work Parties *(trabajo)*

*(General workparties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)*

### Next general workparty:

Save October 7th for the next work party at the repeater site. (10:30 a.m.)

### Last work parties:

(9.8) **WB6MCU** Bill was at the site working on the ATV repeater and looking into connecting up a video camera.

(9.9) **W9FQN** Stan was at the site from 10:15am until about 12:45am and no other workers showed up so none of the planned work was accomplished. In order to salvage the trip he cut up a pile of brush (picture on this page).

**KF6NKD** Dan made it to the repeater site after Stan left (1:00pm) but knew about straightening one of the antennas and took care of it before he left the site so we did end up accomplishing several items. The day was not completely lost.

(sorry Dan, no picture yet of your efforts -Stan)

(6.19) **AB6QM** Mike and **KF6WTN** Mark were at the site to look into the continuation of the project to finish installing monitor cameras at strategic locations around the site (6).

(6.??) **AB6QM** Mike was at the site working on the 447 and the 147.130 repeaters.

## Technical, autopatch, repeaters, etc:

**AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)**

pg.7  
-115-  
1,595

## Technical Report:

de AB6QT: On Wednesday, 9-19, I went to the site to accomplish about 6 things. I did not accomplish my goal, but I did do the following:

Installed the repaired 447 repeater that failed about 6 months ago. There is a problem with the Auto Patch on the 447 which I expect to have resolved by the time this newsletter comes out. Also, checked the ground current since there has been a bunch of electrical "clean up" since I was last there, and the ground current is still a problem and it us about 3 amps. I will be going to do some ground fault tests hopefully on Wed 9-26 in hopes to find the problems. I expect to find some wiring errors in the neutrals of the system as part of the repair. I repaired (I think) the problem with the 147.130 sending the "PEE" out over the air even when there were no power interruptions. The DC transfer relays were in need of cleaning. There was a poor contact on one or both of the relay contacts which was causing in interruption in the DC to the Transceiver. Also, on the 147.130, I checked

the following:

Pwr out = 24 W: RCVr Sens. aprox. .15 uv into the preamp; dev= +/- 4.5Khz rcvr Freq. Perfect: Xmtr Freq. down 300 hz. No adjustments were made. Bottom line on the 147.13 at this point, is it is healthy.

The other things that I expected to get time to do were: Do these same tests on both the 147.075 and 146.730: Check VSWR back through the cavity systems and directly out to the antennas: Do some more work on the alarm systems: Service the fans on the transmitters: Run a cable from the Generator building to the sunken building: Update the documentation: Home projects include: Re-package the 447 system that is now our spare: Build another "Parent" board for one of the spare controllers: Build the new PA into the spare 447: update the membership to TASMA: Update the membership to SCRRBA: Build another "suitcase controller system" complete with Auto Patch interface: 73 de Mike AB6QT.

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De **W6VR's** Newsletter CGC

*(the following series of articles from CGC are published because loss of TV and Radio stations in an emergency makes amateur radio even more important in the dissemination of accurate information to governmental agencies and the general public -Ed)*

One of the best web sites for up-to-date information on the New York City broadcast situation - as mentioned in CGC #471 - is:

<http://world.std.com/~fybush/nerw.html>

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**LIKELY LOSS OF LIFE AT WCBS-TV**

As you have it now, of course, WCBS-TV is on the air from Empire. The Empire facilities were in use after the first hit shut off the mains, as I understand it. Before I left work Tuesday evening, I had been told that WCBS lost two transmitter techs in the WTC collapse. THIS IS NOT CONFIRMED, but is likely, sad to say. They would have stuck it out to try to keep things running - and they were above the impact point - something making survival highly unlikely. [It's] something for all of to think about while we continue to do our jobs.

Robin Critchell, KCBS-TV, Los Angeles  
(13 Sep 2001 16:17:06 -0700)

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**APPARENT EAS TEST SUSPENSION**

"We received word tonight that the New York State Broadcasters Association is telling its members to suspend EAS tests (emergency) under a directive from FEMA. It seems FEMA wants to avoid panicking the public, and wants to make sure any EAS activations aren't lost in the clutter of tests."

<http://world.std.com/~fybush/nerw.html>  
thanks to Bob Weller of Hammett & Edison for the news tip.)

and

**SAN DIEGO TO DELAY EAS TESTS**

Open letter to San Diego broadcasters: "In light of events that are unfolding in our nation's capital and New York city, please reschedule any EAS Required Weekly Test (RWT) until later in the week." Oscar Medina, Chairman, San Diego LECC EAS

-----

**WNET INFORMATION**

Throughout the day and night we have waited anxiously for news of whether our longtime staff member, Engineer Rod Coppola was able to exit the World Trade Center prior to the attacks or the subsequent collapse. Rod and several engineers from neighboring local broadcast stations were in the transmitter rooms formerly located on the 110th floor of Tower One.

Although Rod had access to excellent fire safety equipment, which we still hope assisted his escape, none of the missing engineers has yet been accounted for. We ask for your prayers and good thoughts for Rod and his family and the other engineers and their families as we continue to hope for the best.

Brynne Clarke, WNET As Forwarded by Scott Stinson of KPBS

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**LONG ISLAND REMOTES**

We've got remotes going all over raising money and collecting clothing, etc., and (that activity has taken) lots of hours and energy, and taxed our facilities and ingenuity.

On the upside, though, we collected over twenty thousand dollars in four hours this morning, and that's just the start of four days of remotes. Starting Sunday, we'll also have several semi's making the rounds collecting food, clothing, etc. all around Nassau and Suffolk Counties (Long Island).

Everyone's good wishes and prayers are deeply appreciated by everyone here. John L. Lorentz, CE, Clear Channel WALK Radio, Long Island, NY

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**EYEWITNESS TO THE PENTAGON DISASTER**

CGC has received a long letter from Ric Tell who was an eyewitness to the Pentagon plane rash. The letter is being web posted now and the URL will be published soon.

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**B-25 BOMBER CRASHES INTO EMPIRE STATE BUILDING - JULY 28, 1945**

NEW YORK - Lost and almost forgotten is the tragic incident of July 28, 1945: the day a B-25 bomber, lost in fog, rammed into what was then the world's tallest building. More incredible yet was the female elevator operator - Betty Lou

Oliver - who fell over 1,000 feet when the cables to her car were severed as a result of the crash. Miraculously, she survived.

Read the harrowing details at the Empire State Building's official Website (this is a long URL, be sure to reassemble it into one continuous string):

[http://www.esbnyc.com/tourism/tourism\\_facts\\_esbnews\\_mar1996.cfm?CFID=27393&CFTOKEN=41548438](http://www.esbnyc.com/tourism/tourism_facts_esbnews_mar1996.cfm?CFID=27393&CFTOKEN=41548438)

Karen Glazko, Guest Editor

-----

It is miraculous - and a tribute to the engineers involved - that the World Trade Center buildings held together long enough for approximately 90% of the occupants to escape. And when the buildings did collapse, they fell more or less straight down, saving untold lives and property in the surrounding area. - W6VR

**Editorial**

In times of emergencies amateurs are many times required or requested to fill various forms of non-functional normal communications tasks:

- a. **provide communications between various governmental and public service organizations:** fire, police, hospitals, Red Cross, etc.
- b. **provide public service communications into and out of the San Diego area:** requests to other areas for help; health and welfare messages, etc.

ARES normally uses our repeaters for (a) above while (b) is handled by the club (PARC). Our evening traffic nets under Charles N6TEP are tied into the National Traffic System and will be up to their necks in traffic if there is an emergency in the San Diego area.

It should be noted that PARC has put a great deal of effort and money into our emergency communications ability at the repeater site which benefits ARES who has as an organization contributed nothing to the effort and while this is as it should be, I suspect that sometimes this fact is forgotten.

Editor - Stan Rohrer, **W9FQN**

# *WAR!*

*WAR* IN SAN DIEGO COUNTY?

# THINK!

**Germs released into our water supplies!**

**Germs sprayed in the air by crop dusters!**

**Poison gas released at sporting events!**

**Poison gas sprayed in the air by crop dusters!**

**Airplane crashes into stadiums!**

**Airplane crashes into Nuclear facilities!**

# **!ACT NOW!**

## PARC NETS (06/01)

All 147.075 10-11pm MCW contacts

All 147.130 2130+ pm Facitious Group

Sun.146.730 8:30am AREmergency Service

Sun.146.730 10:00am Sunday Sailor's Net

Sun.147.075 8:45pm MARA Net

Mon.146.730 9:00pm Microwave Net

Tue.146.730 8:00pm Traffic Net (SDCTN)

Tue 146.730 9:00pm Off Roading Net

Thu.146.730 8:00pm Traffic Net (SDCTN)

Thu.146.730 9:00pm Ham Help Net

(electronics, computers, antennas, license theory, etc.)

Fri.146.730 9:00pm Hiker's Net

Sat. 146.730 8:00pm Traffic Net (SDCTN)

Sat. 52.680 8:00pm 6m ARES Net

"other non-PARC nets"

Convair/220 Club: 224.900 PL 107.2 Hz

Mon 8:30pm, Tech. & News

Fallbrook ARC:146.175 + PL 107.2 Hz

Tues 7:00pm, General Discussions

### POSTMASTER:

Send address changes to Scope,  
P.O.Box 73, Vista, CA 92085

## Time Dated Material

Oct

2001

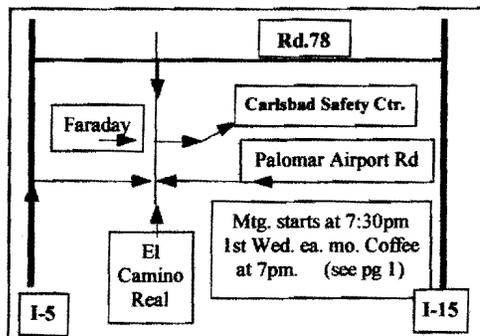
pg.10

-120-

1,598



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at Vista CA  
92085-9998



# pse cover me!

*Fold, I am not sold but old and cold, I am told!*

## PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

## OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWG)

PARC Trustee of W6NWG: AB6QT

\*52.680- W6NWG, -0.5 MHz

Autopatches(4): 146.730-, \*147.075+

\*147.130+, \*447.000-

PKT: 145.050s (PALMAR/W6NWG-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

Intercom: 146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94- KK6KD(HARS)

\*447.05- & \*145.26- KK6KD(HARS)

\*146.175+ N6FQ(FalbrkARC) linked

to \*445.600 MHz (-)

\*224.90- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

\*=107.2 Hz

## P.A.R.C. Inc (2001 Board)

Pres: Allen Maslowski N2DCA 858.642.2400x1229

N2DCA@amsat.org

VP: Charlie Ristorcelli NN3V 858.676.3307

NN3V@amsat.g

Sec: David Patterson WB6DAV 760.727-5560

WB6DAV@amsat.org

Treas: Jo Ashley KB6NMK 760.741.2560

KB6NMK@amsat.org

Dir#1: Mark Raptis KF6WTN 760.749.4825

KF6WTN@amsat.org

Dir#2: Capt.Ted Wilcox KF6BFI 858.272.7422

KF6BFI@amsat.org

SCOPE: Stan Rohrer W9FQN 760.749.0276

W9FQN@amsat.org

Technical: Mike Doyle AB6QT 760.742.1573

AB6QT@amsat.org

MSh: Al Donlevy W6GNI 760.630.3096

aldonlevy@juno.com

See page one for club activity date listings.

## Join the ARRL see KB6NMK

### Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

ARES Alert Publication

<http://www.qsl.net/sdgarrl/alert.htm>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>

### PARC Testing - tests given each 2nd

Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty AA6OM at 760-747-5872 or at

[DuneDancer@worldnet.att.net](mailto:DuneDancer@worldnet.att.net)

Register 5-7 days in advance for tests.

Escondido Testing - examinations on the LAST Saturday @ 9:00am, Chamber of Commerce, 720 N.Broadway, Esc 92025. Contact Harry W6YOO 760-743-4212.



# Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Nov  
'01  
pg.1  
-119-  
1,599

## Palomar Amateur Radio Club Inc.

also ATV &  
4 Autopatches

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Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

**POSTMASTER:** Send address changes to SCOPE, P.O. Box 73, Vista CA 92085-0073.  
See pg. 12: PARC Frequencies, Club Officers, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

## Club Meeting

Charlie Ristorcelli NN3V@amsat.org

(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

### November Program .-

Hear Ye, Hear Ye, Hear Ye..... It's that time of the year again to come out and gather treasures at the PARC ANNUAL EQUIPMENT AUCTION!!

Yes, once again our very own KC6UQH (Art), with the deft assistance of KF6BFI (Captain Ted), will regale us with his auctioneering skill, as he cunningly helps many of us dispose of those rare items and goodies we've often heard called boat anchors, but which we REALLY KNOW ARE SOMEONE ELSE'S TREASURE!.

So, as you read these lines, you should be sprucing up those rare items, with a once over of cleaning and freshening so they command TOP PRICE at the auction, and get them ready for Art's magical sales pitch to all those of us who will be bidding against one another to take possession of the treasures!.

Those of you planning on disposing of treasures should arrive early for set-up!. The auction will begin promptly when the meeting begins, after a short business session.

**COME EARLY!!**

And as we always offer, remember

that many of us who will be going to the meeting, plan to refresh ourselves at one of Carlsbad's eateries before the meeting and have an EYE BALL QSO with fellow hams at dinner.

Talk in on the 146.730 repeater to one of the many restaurants, with arrival times sometime between 5:30 PM - 6:30 PM.

**SEE YOU AT THE AUCTION.**

## Coming Events.

Nov. 7th, Wed - Club Auction Mtg.

Nov. 11, Sun - Work party Rpt Site

Nov. 24th, Sat - Toys 4 Tots Run '130

Dec. 5th, Wed - Club Mtg. election

## Club Election *(update)*

The nominating committee submits the following club members for the 2002 Board and recommends that you vote for them at the election in December:

NN3V - Charlie Ristorcelli - President

KF6WTN - Mark Raptis - VPresident

KB6NMK - Jo Ashley - Treasurer

KB5MU - Paul Williamson - Secretary

NN6X - Paul M. DeCicco - Director #1

NE6O - Jim Cooper - Director #2

According to the club's bylaws, nominations for the above positions will also be accepted from the floor at the November club meeting but you need to make sure that you have the permission of the person you are nominating before their name can be accepted.

A letter from the Nominating Committee is on page 3.

If there are several running for the same office, the Scope will provide up to 20 column lines to each candidate if they wish to make any statements before the election about their qualifications.

## Auction Rules '01

Ted Wilcox KF6BFI@amsat.org

Auction rules have again been approved by PARC's Board and are essentially the same as last year:

1) 6:00pm, sellers sign-in, tag equipment.

2) 6:00pm, buyers sign-in and bidders receive identification flags.

Inspect equipment before the auction so you know what you are bidding on (write it's number on your card).

3) PARC receives 10% of the sale price and there is no other fee for buyers or sellers. Donations to PARC are accepted.

4) All monies are paid to PARC.

5) Sellers(s) may set a written minimum bid on their items.

6) Seller is responsible for removing any items not sold.

7) PARC does not guarantee the condition of any items sold.

8) You don't have to be a PARC member to participate in the Auction so invite your friends to join in on the fun.

9) Sellers will not be paid their

### Picnic Attendance 1996-2001

2001	28	5.1%
2000	50	9.3%
1999	48	7.7%
1998	57	7.5%
1997	59	7.0%
1996	72	8.5%

The % is percent of membership. There were actually more individuals at the picnics but in these totals we are only indicating members who attended which does not include family members: spouses, children, friends, etc.

money until all monies have been collected that evening so bring an SASE (Self Addressed Stamped Envelope) if you want the check mailed to you the next day ..or pick it up at the next club meeting.

PARC assumes no responsibility for items you place on the table so make sure they are well marked with your call and watch the small items.

Please come early and help set up tables and chairs ...and STAY a few minutes to help put them away. Your help is greatly appreciated.

**See you at the Auction  
Wednesday, November 7th!**

## Winners (picnic)

The following club members won prizes at the club's annual picnic at Dixon Lake on September 30th.

Tickets were "earned" by club members through their participation in club activities from August '00 until July '01, the club's activity year.

\$100 <b>AB6QT</b>	\$50 <b>KF6BFI</b>
\$ 50 <b>W6YOO</b>	\$25 <b>KB6NMK</b>
\$ 25 <b>KA6FPS</b>	\$25 <b>KC6VOX</b>
\$ 25 <b>N6YHZ</b>	

and "amateur radio stamp pins" were picked up by: **N6VS**, **NN3V**, **KC6YSO**, and **KF6WTN**.

We assume everyone had a good time at the picnic and enjoyed this years event. Ah, wait until next year!

It has been rumored that the club's chief investigative officer is looking to the possibility of "foul play" since one of the above listed members seems to

win *EVERY* year at the club picnic!

## Ownership (statement)

Every year about this time the club must publish a statement of ownership listing various bits of data that the P.O. thinks is "important" for everyone to know.

So every year we publish the basic results of their **PS Form 3526** in either the October or November Scopes.

If you are interested in seeing the entire form, contact **W9FQN** at club meetings.

You will note that one column requires averages. This means that your editor has to go through all **PS Forms 3541** which are filled out each month collecting the required data before averages can be computed.

Unfortunately, this take several hours to do.

The P.O. apparently is trying to make sure that they know where every issue of the Scope ends up so I have to account for *EVERY* issue we get from the printers which sometimes is almost an impossible task.

See the box on this page with a tabulation of the results.

## Board Mtg. (Minutes)

**Sonny Stires WA5ACE** [SStires@prodigy.net](mailto:SStires@prodigy.net)

The 7:00pm meeting called to order at 7:11pm by **KB6NMKJo** because of the absence of **N2DCA**(Pres), **NN3V**(VP, **W6GNI**(Membership) & **WA5ACE**(Sec).

**Present:** **KB6NMKJo**(Treasurer), **KF6BFI**Ted, **AB6QT**Mike, **W9FQN**Stan, and **KF6WTN**Mark with Menchie as an interested visitor at **KF6WTN**'s QTH.

**Discussed:** picnic attendance, nomination report; Scope items; Auction; insurance problems; Radio Roundup; corner reflector needs ~\$20; generator trailer needs ~\$30; **AB6QT** and **W9FQN** repeater site reports; possible bank change; finance statement in this issue.

**Approved:** **W9FQN**Stan to take minutes; **AB6QT** gas bill \$24.58; ac-

### Statement of Ownership, Management, and Circulation (39USC3685) Form 3526

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Printed in the Nov2001 Issue of Scope

Signed: Stanley E. Rohrer, Editor; 9-29-01

cepted minutes of last mtg.; will change insurance to ARRL carrier and "self insure" the equipment depositing \$600 each year in November into a special account.

Meeting adjourned at 7:47pm with Mark furnishing refreshments(yum). The next meeting will also be at Mark's QTH ..if enough officers show up.

Respectfully submitted by the temporary secretary to the temporary secretary, **W9FQN**Stan

## Club Membership

Great News: More New Members Joining PARC: **N6LMY**, **KG6HGO**, **KB4OPF**, **KG6HGN**, **KC6FST**, **AA4CD**, **WD6EJN**, **K6EQ**, **WQ6V**, **N6BMR**, **KB6VME**, and **K6WHM**.

When you hear these calls on a repeater, greet our new members.

"Participation Points". These activity points earned by: attending club meet-

ings, attending board meetings, attending the club picnic, bringing goodies to meetings, working at field day work parties, working field day (point per day); re-ater site work parties (2 points per day), being a net manager, and possible other contributions, as approved by the board.

The task of keeping track of the points is now being done by membership (me). Since I will not be everywhere that activities take place, it is important that everyone sign the sign in sheets where activities take place, if you want your points credited.

Activities, written up in the SCOPE are my other source of information on who was where, doing what. If you sign the sheets provided, and/or the event is written up in the SCOPE, chances are real good that you will have the activity points registered to your call.

Everyone starts fresh, with zero points in August and there is a maximum of 20 per year that may be exchanged for raffle tickets at the club picnic.

From time to time, we will print the number of points that I think you have, so far, on the SCOPE label. It will be after your name, on the same line. We will not be printing any zeros!

Just another reason to check your SCOPE label. 73 and Thank you. Al

## President's Message

Allen Maslowski N2DCA@amsat.org

This is my favorite time of year, the time when PARC has its annual auction.

It's a fun time except for the parting of those favorite items and equipment that made us so happy over the years. I always look for items to bring to the auction from my shack. Sometimes I get lucky, or is that my wife that gets lucky, and I find some dear to my heart object that I feel I can live without. I haven't been too successfully the last couple of years.

Matter of fact, I have brought more precious items home that I couldn't bear to see anyone else hold and treasure as their own. So now you know how I feel about my precious items. I hope that there will be a lot of you in the club that will bring your parting items and equipment in for our great auction in November. I hope that all of you are looking forward to this program as I am.

I don't want to be long winded with this month's message. So, the last thing I want to mention is about our WEB site.

Our Web site is one terrific site if I have to say so myself. Tons of work has been put into its development and to maintenance. Most of you have seen it so I don't have to describe its features. All of this could not be possible if it were not for the huge effort of Frank Littleberry, **KE6WOE**.

Franks deserves a great Thank you for all those long hours and hard work that he put into the PARC Website. Frank, all our hats are off for you. Thanks for a great Website.

If any of you hear Frank on the air,

don't forget to tell him what a great job he's done for us. Until next month, 73's, Allen

## Nominating Report

The following letter was received from the 2001 nominating committee-Board of Directors:

On behalf of all of the Nominating committee members, we would like to thank you for the opportunity to assist the club in this important annual task. In our opinion, we felt that we had a large pool of competent and eligible nominees and are grateful for all those that volunteered as it made out task easier.

We developed a form, which gave the prospective nominees an opportunity to offer what vision they saw for PARC. This helped us pick not only those that had innovative directions in mind but also we saw the recurring theme of a demonstrated ability to work with our other prospective candidates.

## Treasurer \$\$\$,\$\$\$

Jo Ashley KB6NMK @amsat.org

See me at club meetings for "hard copies" of financial statement(s).

Location	06.30.01	09.30.01
CD179-1311891-8	3,064.21	3,090.97
CD8761216457-6	2,447.84	2,477.40
CD8761216625-9	2,598.29	2,626.30
CD8761216778-6	2,553.32	2,602.03
CD8761391556-4	3,098.89	3,137.24
Checking 010566	3,493.68	1,642.94
Post Office	102.80	102.89
Equip. Self Insure	Starts Nov.	0
Cash+CD's	17,369.03	15,679.83
LongTermReserve	9,000.00	7,000.00
Pre-Pd.dues/liab projects/available	6,233.00	7,584.00
	2,767.00	1,095.83

Last month's Scope Helpers: Thanks to Art and Anita for the folding space and the refreshments. (Below, fold & Staple Crew)

W6HCD Nash Williams		N6OYG Victor Musil
K6ML Jim Paquin		W4SACE Sonny Stires
N6UZH Terri Brewer	&	MY2KID, Kimmy & Toby
KB6NMK Jo Ashley		KG6AEW Bill Owen
W9FQN Stan Rohrer		W6GNI Al Donlevy

## PALOMAR ENGINEERS

Box 462222, Escondido, CA 92046

### TOROID CORES

Palomar stocks a wide variety of cores and beads.

Our RFI Tip Sheet is free on request.

Our RFI kit keeps RF out of your telephones, TVs, stereo, etc. Model RFI-4 \$25 + tax + \$6 to ship.

### BALUN KITS

Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160 m).

Model BA-58 (for RG58, RG8X & similar cables up to 1/4" dia. \$7.50 + tax + \$6 S&H/order

Model BA-8 (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

### TUNER-TUNER

Tune your tuner without transmitting. Save that rig! Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You have a 1:1 SWR.

Model PT-340 \$99.95 + tax + \$6 S&H

See catalog at [www.Palomar-Engineers.com](http://www.Palomar-Engineers.com)

Please check our complete ads in QST, 73, CQ, and World Radio magazines.

It is our pleasure to announce that the Nominating Committee has completed its requested task and submit to you the following nominees:

**NN3V** - Charlie Ristorcelli - President  
**KF6WTN** - Mark Raptis - VP  
**KB6NMK** - Jo Ashley - Treasurer  
**KB5MU** - Paul Williamson - Secretary  
**NN6X** Paul M. DeCicco - Director #1  
**NE6O** - Jim Cooper - Director #2

Respectfully & 73,  
**KC6UQH**, Art McBride  
**WN6K**, Paul E. Dorey  
**NA6RS**, Ron Surfield  
**KM6XA**, Joel Bolado  
**K3PXX**, Terry Runyon

## Carlsbad Safety Ctr.

Just a note to let everyone know I was contacted by Carlsbad safety center today to advise me that, because Carlsbad has activated it's terrorist activity center in the Safety Center, we can only have access to rooms 1 and 2 of the meeting hall.

Room 3 is permanently assigned to the emergency command center until the war in Afghanistan is over.

I guess we will have a standing room only auction. 73 de NN3V

## Insurance

Your editor has been aware since at least 1984 that the club has maintained liability and property insurance and he assumes that the club had this insurance before he became active in club affairs. (our club has affairs?)

Almost always, when we have meetings or Field Day gatherings, the owner of the property requires that we show them liability insurance of at least one million dollars or they won't let us in the door (gate).

Our present insurance is being cancelled as of November 1st by our long term insurer because they don't make enough money off of us despite our paying them over \$1,000 each year for the one million liability and the \$50,000 equipment loss insurance.

At the last Board meeting the 5 Board members present decided to go

for the ARRL liability policy at ~\$410 per year and to "self insure" the club for its equipment by putting \$600 (\$1,000-400) into a special "insurance" fund to take care of any losses we might have. It is believed that the club has never filed for a loss payment.

The past insurance did not insure the tower or any of the antennas on the tower. It did not insure the trailers, cargo container, patches, and packet at a Vista location.

## Activity Points

This year's point totals for participation in club activities during August 1st 2000 and July 31st 2001 had the following leaders:

**W6GNI56**, **AB6QT45**, **KB6NMK35**,  
**NN3V35**, **WB6IQS33**, **W6SST31**,  
**KC6YSO31**, **KE6ZLY30**, **KF6BFI30**,  
**N2DCA25**, **WB6DAV24**, **KB6YHZ22**,  
**KD6VHI22**, **KD6TUIJ20**,  
**KR6BT20**, **WB6FMT20**, **KB6MCU20**

These participation points were taken from sign-in sheets, callsigns listed in the Scope for approved activities, committee heads, and other Board approved activities.

A complete listing of how you get these points will be published in the Scope within the next few month.

For participation tickets used in the picnic drawing, these individuals were only allowed a maximum of 20 for the club picnic drawing!

PARC realizes that there is probably NO system of awarding participation points that is entirely fair to everyone and that is also easily administrated.

Ever since multiple activity points have been awarded, **W9FQN** Stan has volunteered to administer the program of keeping track of all activity points..

**W6GNIA1**, our club membership chairman, has volunteered to take over the job from him starting with August 1, 2001, and will now administer the participation point program for the club..

## Safety Information

The Governor's Office of Emergency Services released the following informa-

tion, which might be helpful to some.

The Governor's Office of Emergency Services today launched California's new toll-free 'Safety Information and Referral Line' - 1-800-550-5234 - which will provide Californians with recorded non-emergency anthrax-related information and referrals from information technicians between 6 a.m. to 9 p.m. daily. Individuals with hearing impairments can obtain information via the toll-free TTY line - 1-800-550-5281.

'The sense of uncertainty many Californians are experiencing as a result of the events of Sept. 11 is understandable' said Dallas Jones, Director of the Governor's Office of Emergency Services (OES). 'But the accurate information about the risks we face and the preparedness steps the public can take that this service provides can allay some of that fear.'

The Safety Information and Referral Line is part of the ongoing efforts by the OES to address the safety concerns of Californians in the aftermath of the Sept. 11 attacks on the World Trade Center and the Pentagon.

The 'one-stop' information line will allow callers to choose from a menu that will give advice on personal and family preparedness, what to do in the event of a possible or real exposure to anthrax, and tips on what to do with suspicious mail or packages. There is also the option of talking to a trained technician who can answer questions and refer callers to various agencies, departments and Internet web sites for further information.

Safety information is also available on the OES website at [www.oes.ca.gov](http://www.oes.ca.gov) (click on 'terrorism').

For more information contact:  
 Joint Information Center - (916) 262-1843

**Join the ARRL. See our charming and talented treasurer, KB6NMK, for details.**



# For Sail

(10.27)**Heathkit**-SB-200 amp(10-80m) \$300; **KENWOOD** TMV7A 2m/440 mobile w/mobile mount -no separation cable \$325; **ICOM** 706 w/separation cable \$500; **ICOM** 471A allmode 420-450 mhz \$400; **TIMEWAVE** DSP 59+ make offer No trades. KO6ET@amsat.org Steve.

(10.22)**BNC** cables are RG-63/U, 93 ohm, about 25 feet long \$1ea: Fred Brown fwb@cts.com Palomar Mt.

(10.18)**Bird** Mod43 Thru-line watt-meter w/elements (50w/100-250; 500w/2-30; 10w/25-60MHz) \$200; **Eico** Grid Dip \$10; **Heath** 5010A keyer and code practice \$10; Lakeview "Ham Sticks" mobile ant 9140 & 9120 \$10 each: Jerry W6GMB 858-674-0874.

(10.13)**Hy-Gain** TH-7DX Tri-Band HF Yagi. Many new Stainless and Plastic parts. 7El 24ft boom, \$100: Dennis N6KI SDiego 858-271-6079 or n6ki@amsat.org

(10.01)**ARES** yellow cap B.O. (the shirt and jacket have my name and call on them): 760-749-0276 W9FQN@Juno.com Stan

(9.07) **Yaesu** FT-847 xcvr new in box with FC-20 auto. ant. tuner invoice \$1,980 sell for \$890: C.L.Ball N6HLY 858-538-0546.

(9.05)**Kenwood** 30A pwr new box \$??; **Icom** R100 unblocked scanner 1-1856MHz \$400; **Yaesu** FT23 TTP-EC/DC \$124; **Yaesu** FT7005 TTP-EC/DC \$150; **Yaesu** Spkr mic \$30 & VOX headset \$20;

Jeff N6FRW

Grace N6WPA

## The NiCd Lady Company

O.E.M. Assembly  
Rebuilds  
Batteries-Lead Acids  
Replacement Packs

20585 Camino Del Sol Unit B (909)653-8868  
Riverside, CA 92508 Fax (909)653-5189

*Personal equipment ads are free to members and could be "bumped" after 3 mo. Make up your ad like the ones on this page. Send to Editor, W9FQN, 30311 Cir. R Ln, Vily. Ctr. CA 92082, (W9FQN@Juno.com) before the 20th of each month.*

*Commercial Ads in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. W9FQN@Juno.com*

**Yaesu**(2) NC29 chargers \$50ea; **Yaesu** NC37 charger \$55; (above OBO + 4 batteries); Complete listing of above and other items at meeting (see W9FQN): Stu K6EXL 760-757-9206.

(8.26)**Computer**, 133 Pentium, 64M RAM, 2.5G HD, Tape Backup with 10-250Meg Tapes, CD & Floppy, Mouse, Modem, Monitor, Microsoft Win98, Office 97

(Word, Excel, PowerPoint, Outlook, Access) plus other software. With all original documentation. \$200 for all, Bernie N6FN 760-781-5522Wk, 760-746-7411Hm.

(8.20)**Heathkit** DX-35 Transmitter, Heathkit Conelrad Alarm CA-1, Titen 6 meter base amplifier 100w, WRE Decade Resistor model ARD-41, HP 34072A digital multimeter & will accept reasonable offer: Harold KG6DVD 760-630-8701

(6.29)**Icoms** IC-2100H \$139 OBO 5mo old w/instructions manual box & no mods; IC-T7H Dual Band Handheld \$139 OBO manual, box, gud condition, little use: KG6AZK 619-588-2493 jacox@home.com

(5.25)**Kingston** 8-Port 10MB Ethernet Hub (also coax connections) & two 3COM 10Base-T network adapters (ISA), original package \$50: ka2blq@amsat.org

(5.12)6ea color T.V. sets free: Lee KE6NLZ leonluce@nctimes.net Rainbow. 760-728-2078

- (5.09)**ESTATE** KG6AMQ(SK) Sale-
1. **Yaesu** YS-60 1.6 - 60 MHz Power & SWR Meter. Meter has 0 - 2 Kw power handling capacity. Mint condition \$140
  2. **VCI** V300M 300w HF ant. tuner \$85
  3. **Yaesu** SP-767 speaker and phone patch. Ideal for use as a phone patch and external speaker for any HF rig \$80
  4. **Radial Larsen** 2m glass mt 1/2 ant \$40
  5. **Van Gorden** HI-Q 1-1 Balun \$20
  6. **KB6MT** High speed code course (3 cassette tapes & manual) \$15
  7. **Technician** "No-Code Plus" FCC license preparation course. 3rd. edition. Question effective through June 2001 \$5

# HAM

# RADIO

# OUTLET

H  
R  
O

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

**KENWOOD**  
rf **CONCEPTS**  
**DIAMOND**  
**US TOWERS**  
**KANTRONICS**  
**YAESU**  
**MFJ, ICOM**  
**BENCHER, Inc.**  
**HUSTLER**  
**COMET**  
**AMERITRON**

**Astron,**  
**AEA,**  
**OUTBACKER**  
**Larsen Antenas**  
**TEN-TEC**  
**hy-gain, Tri-EX,**  
**cushcraft**  
**and**  
**others too**  
**numerous to**  
**mention!**

Drop in to see our display of working equipment.  
Find out about Pkt location determining equipment (APRS).  
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

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5375 Kearny Villa Rd, S. D.

**Directions:** On 163, take Clairemont Mesa Blvd. off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and HRO sign. Be sure to see our equipment in action on real antennas.

Prices negotiable to best offer, contact 619-686-5607, or NN3V@amsat.org  
(5.08)**ESTATE: Realistic DX-160** SWL Receiver \$70; **ICOM IC 740 HF** xcvr with all accessories \$450: *Estate of* KB6MLA, phone (760) 632-8677.

**WANTED:** (A few good men/women)   
(10.22)Need diagram of **Tempo-1:** Fred Brown fwb@cts.com Palomar Mt.  
(8.26) Wanted Heathkit Apache transmitter and **Heathkit Mohawk** receiver: Hugh K4ESQ via W9FQN@Juno.com  
(5.28)**Wanted kit builder** (elecraft k1 kit): Don KF6NMA Poway (858) 486-5927 donald@henkearchitect.com

## Contests

**Harry Hodges** W6YOO@amsat.org  
Nov 3 Ukrainian DX Contest, CW&SSB  
Nov 3 ARRL Sweepstakes, CW  
Nov 9 Japan Int'l DX Contest, SSB  
Nov 10 WAE DX Contest, RTTY  
Nov 10 OK/OM DX Contest, CW&SSB  
Nov 17 ARRL Sweepstakes, SSB  
Nov 24 CQ WW DX Contest, CW  
Dec 7 ARRL 160-Meter Contest  
Dec 15 ARRL 10-Meter Contest

The ARRL Sweepstakes affords a good opportunity to increase your WAS count and the CQ WW is the premier CW contest for expanding you DXCC CW count and there is also something for the RTTY buff. Rules are in QST, CQ, NCJ and Worldradio magazines, 73, **W6YOO** Harry

## E-mail(s)

**de AC6ZM:** Hello Stan, I am applying for an ARRL scholarship. I require a personnel reference for the application and was wondering if you would be interested. I have enrolled in Capitol College to pursue a Master of Science in Information & Telecommunications Systems Management.

If you accept, I can send you the information that ARRL is looking for in the letter. ARRL also requires that I provide your address and phone number.

Hope you and the family are doing fine. I still read the PARC newsletter

from time to time. I am now located at Quantico, VA. I had a great time in Okinawa, Japan. I logged over 3,000 QSO's in just over 12 months of operating there. About 80% CW and 15% SSB.

Anyway, hope to hear from you soon. The family here sends best regards. 73, Juan Lopez, **AC6ZM** aka.. **7J6CEC**, lopezj@tecom.usmc.mil

**de K6FUN:** Stan: Please run the following either as a filler item or as an ad from me.

Blind people can hear newspapers and magazines read on a subcarrier of KPBS-FM. They have some receivers that need the tuning crystals changed and others that need repair. Please volunteer by calling Keoni Cabral, 619-594-8115 after 10am. Your technical expertise will be greatly appreciated.  
Tom Karnes, k6fun@arrrl.net.

## VE Testing

On October 13th, Preston D. Butler Jr. passed element 2 and became a Technician.

### VOLUNTEER EXAMINERS NEEDED

The PARC VE team needs volunteer examiners, especially Amateur Extras. Testing is conducted on the second Saturday of each month at the Carlsbad Safety Center. Testing starts at 9:30 am and lasts one to two hours.

Examiners can volunteer for every other month, specific dates, or to be called when needed. Accreditation only requires a quick form to SANDARC. Please call Rusty Massie at 760-747-5872 or E-mail at **DUNEDANCER@att.net** Thanks, Rusty

## Lost & Found

Over the years your Editor has done some dumb things while working on the club newsletter resulting in various parts of the Scope to be "lost" in the bit bucket....

The latest was the saving of the October Scope over the top of the September Scope!

Fortunately, Frank Littlebury, **KE6WOE**, who maintains the club's web page at -

<http://members.home.net/parc/> was able to return a copy of the September Scope to me that he had used on the web page where a copy of the most recent Scope can always be found.

Thanks, Frank!

## Girl's Club (of Vista)

The American Girls Club of the Vista Unified School District Homestead School thanks the hams of the Palomar Amateur Radio Society for their kind generosity in donating to their efforts to send money to aid in the relief efforts following the tragedy of 7-11, 2001 Tnx, 73 de Gayle, K6GO

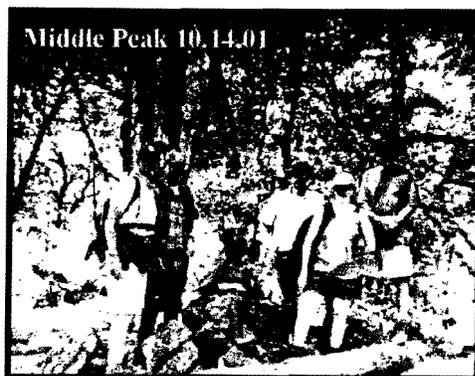
## Navy Fliers Helped

The ARRL Letter reports on some unusual traffic recently on the Maritime Mobile Net on 20 meters: A request for help from a US Navy plane.

Apparently, the plane lost contact with its base over military frequencies, and one of the crew members (who happened to be a ham) checked into the net and asked if someone could call their base to let them know the plane had a communications failure and was returning.

A net member, who was a retired US Air Force Colonel, placed the call then reported back that the message had been delivered. Once again, ham radio came through as the ultimate backup communications service.

**Pictured:** W9FQN, KE6ZLY, KG6AXR, KG6BPP and KE6T



## Repeater Status 10.22.01

146.730+ : Normal  
147.075- : Intermittent problem  
147.130- : Normal  
.000- : No patch attached  
52.680 : Not operational  
146.700- : Packet Repeater Normal  
145.050s : Packet Digi Normal  
PALBBS : Bulletin Board Normal  
AutoPatch: Fully Operational  
ATV : Operational

## Work Parties

Aug.05, Reg work party Rpt Site  
Sept.09, Reg work party Rpt Site  
Oct.07, Reg work party Rpt Site  
Nov.11, Reg work party Rpt Site

## Work Parties *(trabajo)*

*(General work parties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)*

### Next general workparty:

Save November 11th for the next work party at the repeater site. On deck we have -

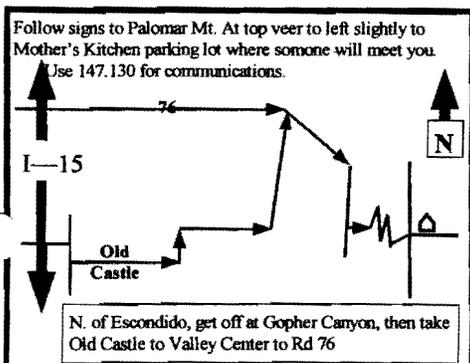
Reinstalling corner reflector  
Repairing roof to Frig building  
Cleaning up the site for winter  
Chopping up brush, etc.

### Last work parties:

(10.7)A beautiful day on the mountain with several activities taking place.

The lower 2m corner reflector was taken down for refurbishing and repair. The new 147.075 repeater antenna, a 4-folded dipole, was remounted more securely and mounted so that it was not in the way of the tower guy lines.

**KF6HKC**Dave & **KA6DUH**Dennis worked on lowering the the corner reflector and they were assisted by **KG6ELJ**Alfredo and **KE6XHR**Ramon.



## Technical, autopatch, repeaters, etc:

**AB6QT@amsat.org (Rptrs); W9FQN@amsat.org (autopatch/work parties)**

pg.7  
-125-  
1,605

Then Alfredo and Ramon had the very tough job of remounting the new 147.075 antenna.

Kevin, Alfredo's son, helped by running errands.

**AD6VT**Steve and his daughter Sarah worked on cleaning up the cuttings from brushing done the last two months.

**KE6ZLYH**Glenn and Gloria came up to help. Glenn helped with the cutting of tar paper and was a general handy-man.

**KC6YSO**David, who took on the long time METCOM project, connected the unit so that we can now use packet to measure the voltages of our two battery banks remotely.

**AB6QT**Mike dropped by to talk to **W9FQN**Stan and David about the AC wiring problems. David had his clamp on ammeter and we still have several amps of current flowing into the ground stake near the SDG&E meter. Mike also checked out the length of cable needed to make a jumper from the sunken building to the new building.

Stan also moved the computer in the new building so that there would be room for the 147.075 and control re-

ceiver revamping which is to be done by **KC6UQH**Art sometime soon.

(10.26)**KB6MCU**Bill Smith and **K6QO**DaveFender went to the site and adjusted one amplifier to 18w and all seems to be working FB now.

## METCON

Years ago, it is hard to remember when the project started, the club bought through TAPER, then a packet based organization, a METCON unit that would allow the club to measure voltages, temperature, and frequencies at the repeater site from remote locations via packet.

**KC6YSO**David recently took on the project checking over the work done by others.

**KB5MUP**PaulWilliamson assembled the circuit board, stopping short of installing the connectors because he didn't know what it would have to connect to.

Next it went to **N6ZUC**TimLow, and then to **KR6NA**JoeCarvalhalho who are now gone from the SDCo area..

**KR6BT**Merle added two sensor boxes and did some initial calibration on

## From MILLIWATTS to KILOWATTS

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**Best pricing on U.S. & Russian Transmitting & Receiving Tubes**

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the voltage to frequency sensors under the direction of **KC6UQH**Art.

David tested the voltage probes and re-calibrated the unit to measure the club's battery voltages.

At the 10.7.01 work party, David installed the METCON and connected it up to battery banks A and B. He used his lap top computer (*not a big Mac but a little one -Ed*) to check out the installation to see that it was measuring the same as his digital multimeter.

This now means that the club has a way of checking out the voltages of banks A and B on schedule and during prolonged times of outages brought on by emergencies.

All it takes are a couple of keystrokes and presto, back on the screen of a control operator's computer are the voltages of the club's emergency batteries. It certainly beats making a mad dash to the mountain with a volt-ohm-meter!

Thanks to all previous workers on the project and to David for finally getting it up and running.

## Corner Reflector

Sometime around 1989 **WB6IQS** John ran onto a used commercial band corner reflector at the Santee Swap Meet which he bought for the club and added a new driven element for the 2m ham band. The club ultimately used it as a spare antenna when servicing repeaters that were having their main antennas being worked on or were damaged by storms.

The PARC tower crew on 10-7-01 removed the antenna so that it could be again refurbished.

**W9FQN**Stan replaced old rusted bolts with new, straightened the reflec-

tor elements where ice had fallen on them and installed a new feed cable constructed by **KC6UQH**Art over a year ago. The refurbished corner reflector will be reinstalled at the November work party.

It was noted during the refurbishing process that the following could just be made out from a weathered stickum tag:

**Andrews Corner Reflector  
A 5815  
TYPE 3605A**

It was also noted that **WB6IQS**John stamped **W6NWG** into one of the braces.

We are guessing that the corner reflector is over 20 years old and it looks as if it has another 20 years of service in it.

One of the 4-folded dipole antennas, 146.730, that was taken down had been used continuously for about 30 years and it was also bought used so that antenna could have had 40+ years of service.

## Dead Cell Phones

In an emergency such as recently occurred in New York most cell sites are non-functional because of the large number of cell phone calls being attempted. Cell sites just cannot handle all of the calls being made.

This is one of the reasons you should practice using the club's autopatch system so that in an emergency you can use it when your cell phone is nonfunctional.

If you have a **PIN** number and a **BOX** number, you can call home using 9 digits rather than the eleven digits many of you would have to call if you called outside of your regular phone calling area.

Of course, dialing inside of your calling area from a phone you would only dial seven digits so using the patch is only two digits more. A small price for being able to get a call home in an emergency.

**KF6NXY**EdHasselmann has printed up a simple step by step procedure for making autopatch calls and has laminated it in clear plastic. On the reverse side, he has listed his four **BOX** numbers with the digits needed to make the calls.

So for those of you who use the autopatch infrequently or forget what you are supposed to do, this is a simple solution to a memory problem (*or use your rig's memory*).

The system is really very simple for **BOX** numbers:

3 digit access number (3-digits)

**PIN** (4-digits)

**BOX** (1-digit) (home phone No.?)

Activate call(1-digit) (total 9-digits)

The computer stores in **BOX**es the phone numbers you call most often which saves you dialing that string of digits.

If you are dialing a **non-BOX** number (a regular telephone number) then you do have many more digits to dial (18):

3 digit access number (3-digits)

**PIN** (4-digits)

**AREA** code (3-digits)

**PREFIX** (3-digits)

**HOUSE** number (4-digits)

Activate call (1-digit)

This is a total of 18 digits.

The moral of this story is, put your most often used phone numbers in a box for easier dialing. The club allows you four box numbers although emergency personnel can request more boxes if they need them.

## Patches (in emergencies)

The club's autopatch system at present has three entry points into the phone system through our repeaters on Palomar Mountain.

Generally, the computerized patch system will send all 760 calls to the patch in Vista, 858 calls to the patch in Mira Mesa, and 619 calls to the patch in La Mesa.

If for some reason one of these three patch entry points cannot be used, the system can be reconfigured via the computer to send all 619 calls to the 858 patch or the 760 patch and you would never be aware that it is being done except that you might hear a few "extra" beeps while the call is dialed.

It is also possible to route all calls through the Vista patch if needed. In order to reconfigure the patch system for any of these possibilities, it only takes one entry keystroke and the new



2m corner reflector

configuration takes place immediately and calls through our repeaters will automatically be sent to the selected entry point(s).

One of the nice things about a computer based system is that changes can be made quickly with no hardware changes.

Even if the computer goes "belly up" a control operator can run the system from a hand held. Work is progressing rather slowly on a backup system even though most of the equipment has already been constructed.

As many of you have already noted, the days are only 24 hours long!

## Patch

(prefix/cell)

Stan Robrer

W9FQN1@Juno.com

The autopatch has been functioning as intended for many many months and if you have been having problems, we certainly are not aware of them.

We have noted some calls though that the patch refuses to allow and one of those is the use of a cell phone prefix.

The computer is programmed with every prefix listed in the phone book for 760, 858, and 619 but there are exceptions to this:

1. **New prefixes** are added by the telephone company and we are not aware of them until a new phone book is put out or one of our patch users complains that his call does not go through to a valid phone number.

2. Cell phone prefixes are never listed in the phone book so we have no idea what they could be unless you notify us of that prefix.

**Notification:** the easiest ways are to send me an e-mail (W9FQN1@Juno.com) or to contact me at club meetings.

In the beginning we did not allow cell phone numbers because we were told that PARC would have to pay part of the cell charge and this has not come to pass.

## Emergency Com.

Registration opens periodically for ARRL's On-line Level II Emergency Communications Course (EC-002)

Registration for the ARRL Level II - Intermediate Amateur Radio Emergency Communications Course (EC-002) usually open on a Monday at 4 PM Eastern Time. Actual on-line classes begin the following week.

For those with previous experience and anyone who took the Level I course (EC-001) this will enhance your skill and knowledge by providing a more in-depth look at emergency communications.

Among the many topics covered are: **Working With Volunteers, Human Resource Aspects for NCS, Net Manager Duties and Qualifications, Mutual Assistance and the ARESMAT Concept, FCC Emergency Frequency Declarations, Handling Hazardous Material Incidents, and National Disaster Medical System Emergency Communications.**

Go to the ARRL CCE Registration Page <<https://www.arrl.org/forms/cce>> to enroll. ARRL Course Welcome letters will be sent after Mentors have been assigned to each student. The following week access codes will be sent so all students can begin.

For more information about EC-001, EC=001 or any Certification and Continuing Education Program, go to the CCE Home Page <<http://www.arrl.org/cce>> and CCE Links found there. If you have any further questions or concerns, send them to [cce@arrl.org](mailto:cce@arrl.org).

## DIAL 711 FOR TRS

October 1 is the day that the familiar calling shortcuts of 911 and 411 will be joined by 711 - the new three digit number for access to all Telecommunications Relay Services ("TRS").

TRS is commonly used to communicate with people who are deaf, or have severe speech impediments. The assistance of a special operator is involved. The service is free of charge to the user.

[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-216358A1.doc](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-216358A1.doc)

(Note: The PARC autopatch computer will not permit 911, 411, or the new 711 prefixes to be dialed at this time -Ed)

## Portable Generator

Over the years club members have been

generous in their donations to the club and in some instances the donated item(s) are not immediately put to use.

Two such items are the 3.5 kw Honda Generator with 250 watt DC to 110 VAC converter and a small 2 wheeled trailer.

The generator and inverter were donated by **KE4ZHJ** Joe Svacek and the trailer by **WA6TIL** Paul Christensen.

For the past year or so **W9FQN** Stan has been collecting things to integrate these two items together.

The box on the trailer was constructed out of 2x4's, 2x3's, and 3/8th inch plywood. The trailer has a 2 inch ball and running lights.

In emergencies, the trailer can be towed to the repeater site, one of our emergency HF stations, or to where it is needed to supply power for the emergency.

The Honda generator is on wheels and a ramp can be attached at the back so that the generator can be rolled off for easy operation at some distance from the trailer.

If we could get hold of several batteries, we would add batteries to the trailer along with one of the clubs UPS power supplies.

## ARTSCI.NET

(The following announcement might be of interest to club members -Ed)

Radio/Tech Modification 14B will ship on November 5, 2001.

We have been working on this new edition for almost 2 years.

To place your order on our SECURE Server click on:

[//secure.artsnet.net/artscipub/special.asp](http://secure.artsnet.net/artscipub/special.asp)

Radio/Tech 14B contains all the known modifications for Alinco, Yaesu, Standard, ADI (Premier), AZDEN, K D K , TEN TEC, RANGER, UNIDEN, RADIO SHACK, RCI, HEATHKIT Amateur radios.

The Radio/Tech Modification books are indispensable tools for

radio repair technicians and amateur radio hobbyists who are serious about enhancing radio transceivers and scanners.

Modifications are presented that increase the radio's frequency transmit and reception coverage. Many of the modifications will allow a radio or scanner to monitor cellular phone calls.

We have may great information pages for the amateur radio operator:

Repeater database -

<http://www.artscipub.com/repeaters>

Amateur Chat Room -

<http://www.artscipub.com/chat>

Equipment CLASSIFIED Ads -

<http://www.artscipub.com/equipment>

Equipment manufactures -

[.artscipub.com/manufactures/database.asp](http://www.artscipub.com/manufactures/database.asp)

## Safety Information

The Governor's Office of Emergency Services released the following information, which might be helpful to some.

The Governor's Office of Emergency Services today launched California's new toll-free 'Safety Information and Referral Line' - 1-800-550-5234 - which will provide Californians with recorded non-emergency anthrax-related information and referrals from information technicians between 6 a.m. to 9 p.m. daily. Individuals with hearing impairments can obtain information via the toll-free TTY line - 1-800-550-5281.

'The sense of uncertainty many Californians are experiencing as a result of the events of Sept. 11 is understandable' said Dallas Jones, Director of the Governor's Office of Emergency Services (OES). 'But the accurate information about the risks we face and the preparedness steps the public can take that this service provides can allay some of that fear.'

The Safety Information and Referral Line is part of the ongoing efforts by the OES to address the safety concerns of Californians in the aftermath of the Sept. 11 attacks on the World Trade Center and the Pentagon.

The 'one-stop' information line will allow callers to choose from a menu that

will give advice on personal and family preparedness, what to do in the event of a possible or real exposure to anthrax, and tips on what to do with suspicious mail or packages. There is also the option of talking to a trained technician who can answer questions and refer callers to various agencies, departments and Internet web sites for further information.

Safety information is also available on the OES website at [www.oes.ca.gov](http://www.oes.ca.gov) (click on 'terrorism').

For more information contact:  
Joint Information Center - (916) 262-1843.

## 888 ???

On August 6, the Palomar Mountain News published a story on how we could dial a certain 888 number to "opt out" of allowing credit reporting bureaus from releasing our "credit info, mailing address, telephone number...to anyone who requests them."

The real story is a bit different. To find out what is actually going on, visit the following web page prepared by the Federal Trade Commission:

<http://www.ftc.gov/bcp/conline/pubs/alerts/optalrt.htm>

(Tnx to Nancy Mueller & Bob W6VR)

## Donation

Many thanks to Chuck Littlefield, **KI6MV**(KE6CDJ), for the donation of the following items:

HT's: ICOM IC-2 and Tempo S-5  
SWAN FM1210-A w/pwr supply  
J-pole, 2m, Coax, wall cubes  
Scanner and Heath VTVM  
Amateur Radio books

The SWAN is an old time unit with the old analog S-meter which should make it good for monitoring signal strengths of our repeaters when used with a dB decade box. The ICOM IC-2 and/or Tempo S-5 can be set up with packet units for specific operations (portable digipeater, repeater site battery monitor, etc).

The J-pole can be used on the club's emergency trailer or the generator trailer ..or even as an emergency repeater an-

tenna.

## Patch Use

If you would like to use the autopatch and do not have a PIN number, you will need to send an e-mail to - [W9FQN1@Juno.com](mailto:W9FQN1@Juno.com) (that is a "1") or see W9FQN at club meetings (he has a yellow box)

or send a self-addressed-stamped envelope(SASE) to W9FQN at - **Stan Rohrer, 30311 Circle R Ln, Valley Center, CA 92082-4806-11.** In your letter, send three four digit PIN numbers, up to four telephone numbers to be put in BOXes, and your SASE.

If you have requested a PIN number and it has not been acted upon, please do it again since I have taken care of all requests that have been given to me.

## Roundup

**Mark Raptis** [KF6WTN@amsat.org](mailto:KF6WTN@amsat.org)

The annual ham-fest was held on October 20th in Kearny Mesa near Kearny High. The event was well attended by the ham clubs of the San Diego area.

Contacts we made on everything from HF through microwave. The emergency services were represented by ARES, RACES, and Red Flag.

Unfortunately, there was practically no participation from the general public. The major effort associated with the ham-fest for next year will be how to get the general public more involved. (Mark was *PARC's* representative at this year's Round Up. Tnx Mark -Ed)

## PALBBS

In times of emergencies we have had high hopes of using PALBBS for incoming and outgoing health and welfare messages.

There have been some reports lately that it is not possible to access PALBBS through the 146.700- repeater at our repeater site on Palomar Mountain.

We cannot fix things that we do not know are broken and every time we run

a test, we find that we get in just fine.

So, if you are having problems accessing PALBBS via 146.7- on packet, please drop an e-mail to W6GNI@amsat.org or send a packet to W6GNI with the information of time of day and problems experienced. We would like to get a handle on this possible problem ASAP. Tnx.

## Rptr. Use Permits

The Palomar Amateur Radio Club has a policy of permitting organized groups to use our repeaters for various training, public service events, etc. provided that they register with the club in advance (we would like 2 months notice so that we can have the event listed in the Scope).

## Fun Fun!! (get a charge)

Since KC6YSODavid has the new METCON packet voltage reader at the site, we can now monitor the voltages of the 14 cells (hooked as two batteries of 7 cells each) remotely.

AB6QTMike made an adjustment in the chargers at the Sunday work party since the voltage of each battery was about 15.0 volts. It should be noted that we are shooting for 15.2 volts but simply turning up the charger voltage only increases the current flow and one has to wait until the cells stabilize before you know what setting you have actually obtained.

Over several days of checking the batteries via packet remotely, KC6YSODavid obtained the following figures with some help from W6GNIAI from time to time:

- Oct 07 - A=15.00, B=15.00
- Oct 10 - A=15.18, B=15.19
- Oct 11 - A=15.21, B=15.22
- Oct 12 - A=15.24, B=15.25
- Oct 14 - A=15.25, B=15.26
- Oct 15 - A=15.25, B=15.26
- Oct 16 - A=15.22, B=15.23
- Oct 17 - A=15.26, B=15.28

(charger turned down slightly)

- Oct 18 - A=15.25, B=15.27
- Oct 19 - A=15.18, B=15.20
- Oct 22 - A=15.29, B=15.32
- Oct 23 - A=15.30, B=15.33
- Oct 24 - A=15.29, B=15.31

- Oct 25 - A=15.32, B=15.35 0700
- A=15.29, B=15.32 1211
- A=15.26, B=15.27 1550
- A=15.23, B=15.25 1630
- Oct 26 - A=15.31, B=15.35 0830
- Oct 27 - A=15.27, B=15.30 2059
- Oct 28 - A=15.33, B=15.37 1045
- Oct 29 - A=15.37, B=15.40 1013

Since the voltages are being measured about 25 feet from the batteries, we suspect that the voltages at the battery are only slightly higher at the batteries. We are also concerned that possibly the voltage sensors could drift due to temperature and/or voltage variations.

The voltage sensors generate a frequency that is voltage controlled and sent to the METCON which then reads the frequency. It then converts this frequency to a voltage reading and sends it out as a digital packet that we can read on our packet units.

The reason for the generation of a frequency to measure the voltage is so that if the "information" is sent many feet away that induced voltages will not corrupt the reading since the reading is a frequency. If you sent a voltage over some distance, there could be induced voltages which could cause errors.

## FRN Number

The FCC is saying that you should be checking your FCC records to see if you have been assigned a FCC Registration Number (FRN). To find if you have an FRN number -

- 1-Go to [www.fcc.gov/wtb/uls/](http://www.fcc.gov/wtb/uls/)
- 2-Click on <LICENSES> link
- 3-then click on <continue>
- 4-Enter your call sign in the box
- 5-Scroll down, click on <search>
- 6-Click on your call sign
- 7-U will see two links
- 8-Click on 2nd from left <Lic Info>
- 9-Ur 10 dig FRN is on top line

If the FRN number is blank, then you should register by clicking ULS TIN Registration from the ULS homepage at <http://www.fcc.gov/wtb/uls>

If you do not have access to the web, visit someone who can access your record for you. DO NOT type in dashes in your SSN and telephone number!

(Tnx to Milt W6MK and W5YI report -Ed)

## Committee Chairmen

- ARESinfo -Dennis S K7DCG@amsat.org
- Attendance -Stan R W9FQN@amsat.org
- ATV -Bills KB6MCU W6GIC@amsat.org
- Auction -Ted W KF6BFI@amsat.org
- Badges new -Al W6GNI@amsat.org
- Batteries -David KD6EY DAT@Gerry.Palomar.caltech.edu
- BBSMonitor -Bill B N6FMK@amsat.org
- Billing:Ads/etc-Lyell K K6GVM@arri.net
- By-laws -Paul KF6VIE pdecicco@pondlaw.com
- & -Ron RWA9JCL r3mb@concentric.net
- Contest Info -Dennis V N6KI@amsat.org
- ControlOps -filled W6NWG@amsat.org
- D.Mar Fair-Barbara R KA6FPS Tennis42@juno.com
- Emergency QTH's (Emergency Com. Centers)
- HarryH -W6YOO W6YOO@amsat.org
- DennisV -N6KI N6KI@amsat.org
- Field Day -Charlie R NN3V@ARRL.net
- FDTech -John K WB6IQS@juno.com
- Historian -Stan R W9FQN@juno.com
- Interference -Bills KB6MCU W6GIC@amsat.org
- Inventory -Dennis B dennisKD6TUJ@juno.com
- MtgGoodies -Jim E Whisky6SST@juno.com
- Membership -Al W6GNI aldonlevy@juno.com
- Nets -Stan R W9FQN@juno.com
- Newsletter -Stan R W9FQN@amsat.org
- PALBBSpkt -Bruno H KF6QDP@amsat.org
- Patch Info -Stan R W9FQN@juno.com
- PatchETronics-Jerry H WB6FMT@amsat.org
- Picnic -Mark R KF6WTN@amsat.org
- PowerAC/DC-Mike P KD6VHI@amsat.org
- Programs -Charlie R NN3V@ARRL.net
- Publicity -Fred S K6ISS@amsat.org
- QSL Cards -Merle R KR6BT@juno.com
- RACESinfo -Jo A KB6NMK@amsat.org
- Red Flag- W6HCD NashWilliams@Compuserve.com
- Rptr Site -Stan R W9FQN@juno.com
- Rptr Skeds -Stan R W9FQN@juno.com
- SANDARC -Sybil A W6GIC@amsat.org
- Bill S KB6MCU W6GIC@amsat.org
- SellerTable -John K WB6IQS@juno.com
- AstSWDvDir-Walt WA6ODQ@arri.net
- TechSite -Mike D AB6QT@amsat.org
- TestingVE -Rusty M, DuneDancer@worldnet.att.net
- Training - W6NWG@amsat.org
- TrusteeW6NWG-Mike D AB6QT@amsat.org
- Web Site -Frank L KE6WOE@amsat.org

### (Net Managers) (see pg.12)

- ARES Sun -Stan R W9FQN@amsat.org
- Staff Net -David D KC6YSO@amsat.org
- ARES 6m -David D KC6YSO@amsat.org
- Ham Help -Mike D AB6QT@amsat.org
- David D KC6YSO@amsat.org
- Hiking -Ed KF6DXX@juno.com
- Glenn P KE6ZLY KE6ZLY@juno.com
- MARA -Cathy KE6IQU W6NWG@amsat.org
- Microwave -Kerry B N6LZW@qualcomm.com
- Off Road -Jerry A jwak6pfp@cts.com
- Dick W KA7AYT rwilimek@home.com
- Sailors -
- Traffic(SDCTN)-CharlesN6TEP cmiele@juno.com

Names in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to W6NWG@amsat.org or P. O. Box 73, Vista, CA 92085-0073.

# PARC NETS (06/01)

All 147.075 10-11pm MCW contacts  
 All 147.130 2130+ pm Facitious Group  
 Sun. 146.730 8:30am AREmergency Service  
 Sun. 146.730 10:00am Sunday Sailor's Net  
 Sun. 147.075 8:45pm MARA Net  
 Mon. 146.730 9:00pm Microwave Net  
 Tue. 146.730 8:00pm Traffic Net (SDCTN)  
 Tue 146.730 9:00pm Off Roading Net  
 Thu. 146.730 8:00pm Traffic Net (SDCTN)  
 Thu. 146.730 9:00pm Ham Help Net  
 (electronics, computers, antennas, license theory, etc.)  
 Fri. 146.730 9:00pm Hiker's Net  
 Sat. 146.730 8:00pm Traffic Net (SDCTN)  
 Sat. 52.680 8:00pm 6m ARES Net  
 "other non-PARC nets"  
 Convair/220 Club: 224.900 PL 107.2 Hz  
 Mon 8:30pm, Tech. & News  
 Fallbrook ARC: 146.175 + PL 107.2 Hz  
 Tues 7:00pm, General Discussions

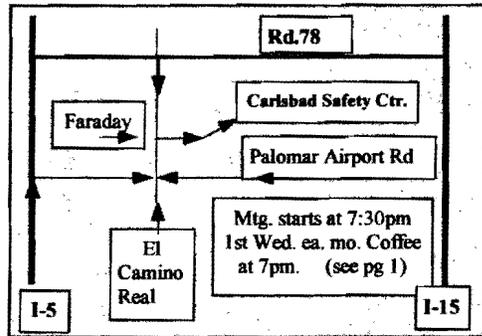
**POSTMASTER:**  
 Send address changes to Scope,  
 P.O.Box 73, Vista, CA 92085

*Time Dated Material*

**Nov**  
 2001  
 pg. 12  
 -130-  
 1,610



**Periodicals**  
 Postage Pd.  
 at Vista CA  
 92085-9998



**pse cover me!**  
*Fold, I am not sold but old and cold, I am told!*

**PARC Web Page (KE6WOE)**

<http://members.home.net/parc/>

**OPEN Repeaters/CLOSED Patches**

Palomar Mt. Repeaters (W6NWX)

PARC Trustee of W6NWX: AB6QT

\*52.680- W6NWX, -0.5 MHz

Autopatches(4): 146.730-, \*147.075+

\*147.130+, \*447.000-

PKT: 145.050s (PALMAR/W6NWX-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWX-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV "IN": 915wbfm, 919am,

2441.25wbfm

Intercom: 146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94- KK6KD(HARS)

\*447.05- & \*145.26- KK6KD(HARS)

\*146.175+ N6FQ(FalbrkARC) linked

to \*445.600 MHz (-)

\*224.90- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

\*=107.2 Hz

**P.A.R.C. Inc (2001 Board)**

Pres: Allen Maslowski N2DCA 858.642.2400x1229

N2DCA@amsat.org

VP: Charlie Ristorcelli NN3V 858.676.3307

NN3V@amsat.g

Sec: David Patterson WB6DAV 760.727-5560

WB6DAV@amsat.org

Treas: Jo Ashley KB6NMK 760.741.2560

KB6NMK@amsat.org

Dir#1: Mark Raptis KF6WTN 760.749.4825

KF6WTN@amsat.org

Dir#2: Capt. Ted Wilcox KF6BFI 858.272.7422

KF6BFI@amsat.org

SCOPE: Stan Rohrer W9FQN 760.749.0276

W9FQN@amsat.org

Technical: Mike Doyle AB6QT 760.742.1573

AB6QT@amsat.org

MSh: Al Donlevy W6GNI 760.630.3096

aldonlevy@juno.com

See page one for club activity date listings.

*Join the ARRL*  
*see KB6NMK*

**Web Pages**

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

ARES Alert Publication

<http://www.qsl.net/sdgarrl/alert.htm>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>

**PARC Testing** - tests given each 2nd

Saturday at 9:30 am in the Carlsbad

Safety center in Carlsbad. Contact Rusty

AA6OM at 760-747-5872 or at

[DuneDancer@worldnet.att.net](mailto:DuneDancer@worldnet.att.net)

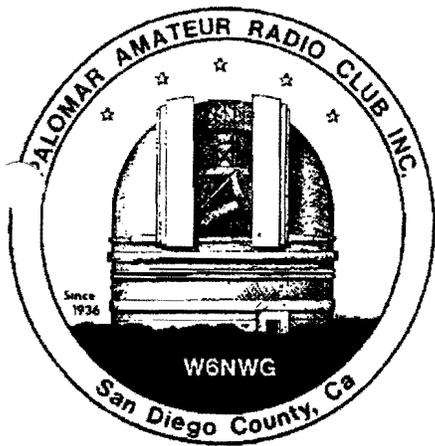
Register 5-7 days in advance for tests.

**Escondido Testing** - examinations on the

LAST Saturday @ 9:00am, Chamber of

Commerce, 720 N.Broadway, Esc 92025.

Contact Harry W6YOO 760-743-4212.



# Scope

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05

Dec  
'01  
pg.1  
-131-  
1,611

## Palomar Amateur Radio Club Inc.

also ATV &  
4 Autopatches

Scope (USPS #076530) Vol. XXVII No. 12, Dec. 2001, published monthly by PARC, 1651 Mesa Verde Dr., Vista, CA, 92084. Periodicals postage pd. at Vista, CA 92085.

Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

**POSTMASTER:** Send address changes to SCOPE, P.O. Box 73, Vista CA 92085-0073.  
See pg. 12: PARC Frequencies, Club Officers, and PARC Nets.

Send \$12 Dues To:  
PARC, Box 73  
Vista CA 92085-0073

## Club Meeting

Charlie Ristorcelli NN3V@amsat.org  
(Meetings are held the 1st Wednesday of each month at the Carlsbad Safety Center in Carlsbad at 7:30 p.m. although most come at 7:00. See map on page 12 for directions -Ed)

### December Program. -

Fellow hams: It is time to have a party!

Yes, the time has come to enjoy the holidays with fellow hams, and family members. And PARC looks forward to a simple night of cheer and good fellowship.

This month we will celebrate with our traditional "Holiday Social". We invite everyone to come join us, bring along a small plate of goodies (the higher the caloric content, the better of course), and sit around and spend a simple time enjoying "eye ball QSOs".

We invite anyone who has something to show and tell to plan on doing so. Bring that favorite toy, that special project you labored so carefully to complete, or a tall yarn that will make us laugh.

Also, for those of you interested in having some extra fun, and sharing some laughter with the rest of us, feel free to engage in a "Pink Elephant Holiday Gift Giving".

We will set aside a time period when you can surprise that one fellow ham to whom you wish to offer cheer all next year, and who will benefit from your

generosity with a genuine "Ham Treasure" that only you comprehend!. The rules are fairly simple. Any of you who decide to "treasure gift" someone must ensure that the gift cost less than \$5.00 (if it costs anything at all!), weighs less than 10 lbs., and MUST BE REMOVED FROM THE PREMISES AT CLOSING TIME! (HI HI HI...).

Please understand that joining in the fun gift giving IS NOT A REQUIREMENT to attend the December meeting.

So, we look forward to seeing you at the PARC Holiday Party, and for those of you who come to Carlsbad early, we will see you at one of the favorite eateries before the meeting. Remember, talk-in on 146.730 MHz. 73 de NN3V

## Coming Events.

Dec. 5th, Wed - Club Mtg. Election  
Dec. 12th, Wed - Board Mtg. (NN3V)

## Club Election (update)

The nominating committee submits the following club members for the 2002 Board and recommends that you vote for them at the December meeting:  
NN3V - Charlie Ristorcelli - President  
KF6WTN - Mark Raptis - VPresident  
KB6NMK - Jo Ashley - Treasurer  
KB5MU - Paul Williamson - Secretary  
NN6X - Paul M. DeCicco - Director #1

NE60 - Jim Cooper - Director #2

## Goodie Table

October: N6ISCPaul, K6ISSFred, and KE6ZLYGlenn brought goodies.

November: N6QVWOrlando brought goodies.

KD6TUJDennis and W6SSTJim handled the goodie table both months.

## Lost & Found

Someone lost a glasses case at the November meeting. See W6GNIAI at meetings.

## Board Mtg. (Minutes)

Sonny Stires WA5ACE SStires@prodigy.net  
November 14, 2001

Meeting called to order at 7:00 P. M. by Charlie NN3V

Board members present: Al W6GNI, Jo KB6NMK, Stan W9FQN, Mark KF6WTN, Charlie NN3V, Sonny WA5ACE.

Absent were: Allen N2DCA, Ted KF6BFI, Mike AB6QT

No Guests were present.

Both the Treasurer's Report and Auction Report were given by Jo and approved.

Board discussed opening a checking account at Washington Mutual.

Letters from David Doan and Norman Swanson were read to the board.

Al advised that our current mem-

bership is 526. Also, member's participation points will be on the SCOPE address label.

Potential programs for December were discussed. Perhaps a "Show and Tell" and/or a white elephant sale not to exceed \$5.00 and 10 Lbs. It was suggested that various food(s) may be brought to the meeting.

Directors reports were given by: KF6WTN Mark, W9FQN Stan (emphasis on PARC's repeater site – to include batteries).

Board approved purchasing for the repeater site breakers and other parts. Stan will coordinate this.

Last month's minutes were approved. Mark furnished delicious goodies at the board meeting.

Meeting adjourned at 8:14 P. M. Respectfully submitted, Sonny Stires, WA5ACE. Temporary Secretary

## President's Message

Allen Maslowski N2DCA@amsat.org

November's program, the annual auction, was the best auction held at the Palomar Amateur Radio Club in the last couple of years. I couldn't believe that there were more sellers this year than we had "For Sale" tickets.

The amount of other people's gold was outstanding. The exchange of equipment was well received and I thank everyone involved in the preparation and presentation. Art, *KC6UQH*, did an outstanding job again this year. This is one of my favorite programs that is presented at the club. I hope it is yours also.

December marks an end of another year for the club board of directors. In the next year to come, the club will have a new board of directors to govern PARC. There will be changes ahead that come with every new board. The job of the board is not an easy one and I'm sure that the new members of the board will keep up the tradition and standing of the PARC to the community. You the members of the club have selected these people for the governing body and I wish them good luck in their endeavors.

Some of you may be wondering why I didn't seek reelection. The reason I decided not to is simple. After three and a half years as president and two years as vice president, I thought it was someone else's turn at bat. I will be devoting more time to my family, job and my interest in QRP. I have enjoyed my term as president and some parts of the job I will miss. As with all jobs, there are also some parts that I will not miss or even think about anymore. I guess that goes with the territory. So I wish the new board members good luck in the job ahead.

December also brings the Holidays and the hopes of new equipment under the Christmas tree. That's always a delight for all. Just remember its not the size or the price of the new piece of gear that should excite you, but the thrill of making friends throughout the world with it. VHF or HF it doesn't make any difference. I hope you really enjoy yourself with your family for the Holidays and have a safe and Happy New Year.

See you on the Air, N2DCA Allen

## Club Membership

Al Donlevy W6GNI aldonlevy@juno.com  
Great News: More New Members Joining PARC: *N6BIV*, *KG6IJJ*, *W8LOV*, *WA8ZHG*, and *Mike McMahan* (No call – yet!)

And, a member that joined one year ago, *WA7FUL*, sent in his renewal for 5 years, way to go Jim, and thanks.

When you hear these calls on a repeater, greet our new members.

"Participation Points". These activity points earned by: attending club meetings, attending board meetings, attending the club picnic, bringing goodies to meetings, working at field day work parties, working field day (point per day), repeater site work parties (2 points per day), being a net manager, and possible other contributions, as approved by the board.

OK? This month is a test of the system. Check your label, on the line where your name is. Printed there is the number of activity points that I think

you have. There should be one point for each club meeting attended from August thru November (4 possible), 2 for each mountain work party attended, one for each fold and staple meeting (4 possible), one for each time goodies were brought to the club meeting, one for each board meeting attended.

In order to get the points, **you must sign the sign-in sheets**, or have your **call listed in the SCOPE**. This list of points does not have any field day points (last year), or any net manager points (yet).

If you think that you have been short-changed on points, please send me e-mail at [aldonlevy@juno.com](mailto:aldonlevy@juno.com), or drop me a note at the membership table during a meeting.

It will be helpful to know where you feel you were short changed, so I can search the SCOPEs or the sign-in sheets for your call. I know there are three or four members that have too many points assigned, this will be corrected next time!

Just another reason to check your SCOPE label.

73 and Thank you. Al, W6GNI

## E-mail

de W6VR:

AMSAT NEWS SERVICE newsletter #217 carried the following story, as forwarded to me by Bill Pasternak, editor of Amateur Radio Newslines. Please consider it for publication in your clubs' newsletters.

Two corrections should be made:

Our family name is spelled Gonsett (with two Ts), not Gonset. However, six letters fit better than seven into the diamond-shaped logo that my father wanted to use for the company name, so the name 'Gonset' was born and became the official business name.

The other correction is that my father was founder of the Gonset Company, not Gonset Laboratories. The latter, while a pleasant sounding name, simply did not exist.

Best 73, Bob Gonsett, W6VR  
(formerly WA6QQQ)  
[W6VR@amsat.org](mailto:W6VR@amsat.org)

Return-Path: <owner-ANS@AMSAT.Org>  
Date: Fri, 3 Aug 2001 16:12:26 -0500  
From: Dan James <nn0dj@wiktel.com>  
To: "ANS Release"  
<ans@AMSAT.Org>  
Subject: [ans] ANS 217

**AMSAT NEWS SERVICE ANS 217**

ANS is a free, weekly, news and information service of AMSAT North America....

--- Extract ---

ANS salutes Faust Gonset, W6VR, Amateur Radio author and technician and founder of Gonset Laboratories. W6VR is best known for bringing affordable VHF equipment to amateur market. He is among the inaugural group of 50 inductees into the CQ Amateur Radio Hall of Fame. The Hall was established to recognize those individuals, whether licensed radio amateurs or not, who significantly affected the course of Amateur Radio; and radio amateurs, who, in the

course of their professional lives, had a significant impact on their professions or on world affairs. AMSAT and OSCAR supporters/notables on the CQ Hall of Fame list include K1JT, K1ZZ, W6SAI, W2SKE, W8JK, K7UGA, W6ZH, W3ASK, W1HR, KA9Q and W3IWI. [ANS thanks CQ Amateur Radio magazine, published by CQ Communications, Inc. for this information]

**de Tom Chester:**

Don't know if someone has already posted this info, so am sending it to you. You can post it if you think it is of interest to the hams and it hasn't already been posted to the group.

<http://www.usna.com/WhatsNew/2001/Satellite.htm>

Midshipmen's project transmits ham signals

**Grand Canyon DXing**

Glenn Paden KE6ZLY@Juno.com

As many of you know for a couple of years I was planning to go into the Grand Canyon and do some DXing with the help of some of my friends with a higher class license.

On September 6th I finally got packed and left Chula Vista for Meadview, Arizona, Gateway to the Grand Canyon. On September 7th I met my friend Erwin, **WB7ATT**, from Dayton, Ohio at Meadview and we drove down to Pearce Ferry which would be our home base for the next three weeks.

The first major task after arriving at our campsite was to get our antennas up before dark so we could get on the HF bands. There were no tall trees in the campground but there was a hill beside our campsite so we climbed the hill and tied one end of our 80 meter dipole to a rock on top of the hill, then ran it down to my fiberglass hot stick extended to about 15 ft to which we attached the center insulator and then down to a bush about 8 ft high.

Our 20 and 40 meter dipole antennas were inverted V's coming off the

same center insulator.

We had daily nets we listened to on 20 and 80 meters. We and the people on the nets were very surprised how well our antennas worked with the center point only 15 ft from the ground and our campsite being deep down in a hole with 3,000 to 4,000 ft cliffs in almost every direction. My friend Erwin gave our location on the radio as being at the bottom of the Grand Canyon and this caused a real "pile up" from all over the US. However it was really about 2 miles to where the Grand Canyon started and the cliffs around us were the Grand Wash Cliffs but it was still very impressive and we felt like we were in the bottom of the Grand Canyon.

While we were there at our campsite we were able to contact stations all around the world, Japan, Russia, Ukrain and RA3AJ which we were not sure where that was, just to name a few.

On the morning of September 11 we checked into our usual 80 meter net and

**Treasurer \$\$, \$\$\$**  
Jo Ashley KB6NMK @amsat.org  
See me at club meetings for "hard copies" of financial statement(s).  
Last month's Scope Helpers: Thanks to Art and Anita for the folding space and the refreshments. (Below, fold & Staple Crew)

Location	09.30.01	11.02.01
CD179-1311891-8	3,090.97	3,104.00
CD8761216457-6	2,477.40	2,485.89
CD8761216625-9	2,626.30	2,626.36
CD8761216778-6	2,602.03	2,610.68
CD8761391556-4	3,137.24	3,149.85
Checking 010566	1,642.94	858.36
Post Office	102.89	103.27
Cash+CD's	15,679.83	14,938.41
LongTermReserve	7,000.00	6,000.00
Equip. Self Insure	0	600.00
Pre-Pd.dues	7,584.00	7,246.00
projects/available	1,095.83	1,092.41

<b>W6HCD</b> Nash Williams		<b>N6OYG</b> Victor Musil
<b>K6ML</b> Jim Paquin		<b>WA6UTQ</b> Larry Rueggeger
<b>N6UZH</b> Terri Brewer	&	<b>MY2KID</b> , Tyler/Matt
<b>KB6NMK</b> Jo Ashley		<b>KG6AEW</b> Bill Owen
<b>W9FQN</b> Stan Rohrer		<b>W6GNI</b> Al Donlevy
<b>KB6YHZ</b> Art Nye	&	<b>KB6YHY</b> Anita Nye
<b>KC6WAN</b> Ralph Powell	&	Sylvia (xyl of KC6WAN)

**PALOMAR ENGINEERS**  
Box 462222, Escondido, CA 92046

**TOROID CORES**  
Palomar stocks a wide variety of cores and beads. Our RFI Tip Sheet is free on request. Our RFI kit keeps RF out of your telephones, TVs, stereo, etc. Model RFI-4 \$25 + tax + \$6 to ship.

**BALUN KITS**  
Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160 m).

↓

**Model BA-58** (for RG58, RG8X & similar cables up to 1/4" dia. \$7.50 + tax + \$6 S&H/order  
**Model BA-8** (for RG-8, RG-213, 9913 and similar cables up to 1/2" diameter. \$15.00 + tax + \$6 S&H/order

**TUNER-TUNER**  
Tune your tuner without transmitting. Save that rig! Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You have a 1:1 SWR.  
Model PT-340 \$99.95 + tax + \$6 S&H

See catalog at [www.Palomar-Engineers.com](http://www.Palomar-Engineers.com)  
Please check our complete ads in **QST**, **73**, **CQ**, and **World Radio** magazines.

on the net they mentioned about the plane crashing into the New York Trade Center but there was not much detail known yet. After the net we were talking to a Ham in Urawa, Japan, JA1CG, Haruo Takahashi, who was watching the terrorist attack on the World Trade Center on his television, and he began giving us all the details of the attack as they developed. It seemed very strange to be hearing all the details of the attack from a Ham in Japan while it was all happening in New York and Washington DC.

As the details unfolded and it became apparent how tragic the event was, he began to express his deep sympathy for us Americans. He said he was very very sorry about the attack.

The terrible events of 9-11 got us all stressed out and made the rest of my vacation very difficult. For a couple days we did not do any DXing we just checked into the 80 meter net and talked to our friends on the net and listened to the news. After a couple of days we went to Meadview to get some groceries and while there we decided to go to Diamond Creek in the heart of the Haulapai Reservation.

This is the only place within the Grand Canyon that you can drive to the Colorado River. It is about 21 miles from Peach Springs on old US 66.

While we were there by the River at Diamond Creek there were a lot of DX stations coming in loud and clear. We tried to get back to a station in Cayman Island but the big guns crowded us out. I am sure we could have contacted him if we would have had time but we wanted to get back to our camp before dark and it was about 12 miles back to Pearce Ferry.

There was an old time Ham there at Diamond Creek and he was very surprised how well the DX stations were coming in down there in the depths of the Grand Canyon.

Stan, **W9FQN**, arrived on the evening of September 13th and we started getting ready for our trip up into the Grand Canyon.

Friday, September 14th we spent

most of the day figuring out how to rig our canoes with a motor. We finally ended up with 3 canoes hooked together with a 2 x 6 in front and a 2 x 4 in back with the motor on the middle canoe, which made a very stable tri-miran.

On Saturday morning, September 15th we started our 40 mile trip up into the Grand Canyon. By dark we arrived at a location in the Grand Canyon called the Bat Cave, 17 miles up the canyon where we spent the night.

The next morning I decided I was too stressed out to go on the rest of the trip with Erwin and Stan. I had too many things happen prior to the trip--one of them being that Gloria broke her knee cap a month before I left, and then the 911 terrorist attack. I was not really prepared for the trip, mentally or physically. So Stan and Erwin took me back to our camp at Pearce Ferry and turned around and went straight back up the canyon to complete their 40 mile trip to Separation Canyon, which took about 2 days. Then they spent the rest of the time exploring on down the canyon back to Pearce Ferry. All in all they were gone 6 more days after taking me back to camp. The 6 days they were gone seemed like forever.

Some scientists that were studying birds in the canyon, and the river rafting guides kept me informed of Stan and Erwin's progress each day.

Their canoeing rig stood out in the canyon like an elephant in a pasture of sheep. Everybody in the canyon knew where they were at all times and where they were camping each night..

I was very sad that I didn't get to do any DXing in the canyon on our canoe trip, but our main objective was to get to Separation Canyon, and my canoe got there even if I didn't. I know my canoe was very very lonely and sad without me being there, and his tears flowed into the river and were lost forever.

All in all I had a wonderful trip and enjoyed every bit of it very much. It was a trip of a lifetime and one I will never forget. 73'S

The Ole country boy,  
Glenn, **KE6ZLY**

## Committee Chairmen

ARESinfo	-Dennis S	<b>K7DCG@amsat.org</b>
Attendance	-Al	<b>W6GNI@amsat.org</b>
ATV -Bills	KB6MCU	<b>W6GIC@amsat.org</b>
Auction	-Ted W	<b>KF6BF1@amsat.org</b>
Badges	new -Al	<b>W6GNI@amsat.org</b>
Batteries	-David KD6EY DAT	<b>AT@Gerry.Palomar.caltech.edu</b>
BBSMonitor	-Bill B	<b>N6FMK@amsat.org</b>
Billing:Ads/etc	-Lyell K	<b>K6GVM@arrl.net</b>
By-laws	-Paul KF6VIE	<b>pdecicco@pondlaw.com</b>
&	-Ron RWA9JCL	<b>r3mb@concentric.net</b>
Contest Info	-Dennis V	<b>N6KJ@amsat.org</b>
ControlOps	-filled	<b>W6NWG@amsat.org</b>
D.Mar Fair-Barbara R	KA6FPS	<b>Tennis42@Juno.com</b>
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	<b>W6YOO@amsat.org</b>
DennisV	-N6KJ	<b>N6KJ@amsat.org</b>
Field Day	-Charlie R	<b>NN3V@ARRL.net</b>
FDTech	-John K	<b>WB6IQS@Juno.com</b>
Historian	-Stan R	<b>W9FQN@Juno.com</b>
Interference	-Bills KB6MCU	<b>W6GIC@amsat.org</b>
Inventory	-Dennis B	<b>dennisKD6TUJ@juno.com</b>
Mtg Goodies	-Jim E	<b>Whiskey6SST@juno.com</b>
Membership	-Al W6GNI	<b>aldonlevy@juno.com</b>
Nets	-	
Newsletter	-	
PALBBSpkt	-Bruno H	<b>KF6QDP@amsat.org</b>
Patch Info	-Stan R	<b>W9FQN@Juno.com</b>
PatchETronics	-Jerry H	<b>WB6FMT@amsat.org</b>
Picnic	-Mark R	<b>KF6WTN@amsat.org</b>
PowerAC/DC	-Mike P	<b>KD6VHI@amsat.org</b>
Programs	-Charlie R	<b>NN3V@ARRL.net</b>
Publicity	-Fred S	<b>K6ISS@amsat.org</b>
QSL Cards	-Merle R	<b>KR6BT@Juno.com</b>
RACESinfo	-Jo A	<b>KB6NMK@amsat.org</b>
Red Flag	-W6HCD	<b>NashWilliams@Compuserve.com</b>
Rptr Site	-	
Rptr Skeds	-	
SANDARC	-Sybil A	<b>W6GIC@amsat.org</b>
-Bill S	KB6MCU	<b>W6GIC@amsat.org</b>
SellerTable	-John K	<b>W6BIQS@Juno.com</b>
AstSWDivDir	-Walt	<b>WA6ODQ@arrl.net</b>
TechSite	-Mike D	<b>AB6QT@amsat.org</b>
TestingVE	-Rusty M,	<b>DuneDancer@worldnet.att.net</b>
Training	-	<b>W6NWG@amsat.org</b>
TrusteeW6NWG	-Mike D	<b>AB6QT@amsat.org</b>
Web Site	-Frank L	<b>KE6WOE@amsat.org</b>

### (Net Managers) (see pg.12)

ARES Sun	-	
StaffNet	-David D	<b>KC6YSO@amsat.org</b>
ARES 6m	-David D	<b>KC6YSO@amsat.org</b>
Ham Help	-David D	<b>KC6YSO@amsat.org</b>
Hiking	-Ed	<b>KF6DXX@Juno.com</b>
	-Glenn P	<b>KE6ZLY@Juno.com</b>
MARA	-Cathy KE6IQU	<b>W6NWG@amsat.org</b>
Microwave	-Kerry B	<b>N6IZW@qualcomm.com</b>
Off Road	-Jerry A	<b>jwak6pfp@cts.com</b>
	-Dick W	<b>KA7AYT rwilimek@home.com</b>
Sailors	-	
Traffic(SDCTN)	-CharlesN6TEP	<b>cmicle@juno.com</b>

**Names** in heavy type are looking for replacements. Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to **W6NWG@amsat.org** or P. O. Box 73, Vista, CA 92085-0073.



# For Sail

Jeff N6FRW

Grace N6WPA

## The NiCd Lady Company

O.E.M. Assembly  
Rebuilds  
Batteries-Lead Acids  
Replacement Packs

20585 Camino Del Sol Unit B (909)653-8868  
Riverside, CA 92508 Fax (909)653-5189

*Personal equipment ads are free to members and could be "bumped" after 3 mo. Make up your ad like the ones on this page. Send to Editor, W9FQN, 30311 Cir. R Ln, Villy. Ctr. CA 92082, (W9FQN@Juno.com) before the 20th of each month.*

*Commercial Ads in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought. W9FQN@Juno.com*

(10.27)Heathkit-SB-200 amp(10-80m) \$300; KENWOOD TMV7A 2m/440 mobile w/mobile mount -no separation cable \$325; ICOM 706 w/separation cable \$500; ICOM 471A allmode 420-450 mhz \$400; TIMEWAVE DSP 59+ make offer No trades. KO6ET@amsat.org Steve.

(10.22)BNC cables are RG-63/U, 93 ohm, about 25 feet long \$1ea: Fred Brown fwb@cts.com Palomar Mt.

(10.18)Bird Mod43 Thru-line watt meter

w/elements (50w/100-250; 500w/2-30; 10w/25-60MHz) \$200; Eico Grid Dip \$10; Heath 5010A keyer and code practice \$10; Lakeview "Ham Sticks" mobile ant 9140 & 9120 \$10 each: Jerry W6GMB 858-674-0874.

(10.13)Hy-Gain TH-7DX Tri-Band HF Yagi. Many new Stainless and Plastic parts. 7El 24ft boom, \$100: Dennis N6KI SDiego 858-271-6079 or n6ki@amsat.org

(9.05)Kenwood 30A pwr new box \$??; Icom R100 unblocked scanner 1-1856MHz \$400; Yaesu FT23 TTP-EC/DC \$124; Yaesu FT7005 TTP-EC/DC \$150; Yaesu Spkr mic \$30 & VOX headset \$20; Yaesu(2) NC29 chargers \$50ea; Yaesu NC37 charger \$55; (above OBO + 4 batteries); Complete listing of above and other items at meeting (see W9FQN): Stu K6EXL 760-757-9206.

(8.20)Heathkit DX-35 Transmitter, Heathkit Conelrad Alarm CA-1, Titen 6 meter base amplifier 100w, WRE Decade Resistor model ARD-41, HP 34072A digital multimeter & will accept reasonable offer: Harold KG6DVD 760-630-8701

(6.29)Icoms IC-2100H \$139 OBO 5mo old w/instructions manual box & no mods; IC-T7H Dual Band Handheld \$139 OBO manual, box, gud condition, little use: KG6AZK 619-588-2493 jacox@home.com

(5.09)ESTATE KG6AMQ(SK) Sale-  
1. Yaesu YS-60 1.6 - 60 MHz Power & SWR Meter. Meter has 0 - 2 Kw power handling capacity. Mint condition \$140  
2. VCI V300M 300w HF ant. tuner \$85  
3. Yaesu SP-767 speaker and phone patch. Ideal for use as a phone patch and external speaker for any HF rig \$80

pg.5  
-135-  
1,615

(11.25)Kenwood TS-520D (80-10m)Excellent condition, low hours, CW filter & DC converter options w/user and maint manuals \$225: Bernie N6FN 760-781-5522Wk, 760-746-7411Hm.

(11.20)Ten-Tec HF Corsair 80-10m w/pwr sup \$300; Kantronics Kam + cables, Hostmaster 11 + Pactor \$100; Yeasu FT227R 2m Memorizer \$30; Icom IC25H \$30; Isopol ant \$10; G5RV full size 80-10m new \$30; HP Desk Jet 660C printer \$40: Max KB7RNP maxkb7rnp@aol.com 909-696-8495.

(11.19)10m 4el beam SS hardware asking \$75; 13el 2m beam SS hardware \$30: Bayard K6GAO 619-594-6063 days or 858-755-5507 nights.

(?????) please note that I lost this month's ads to a computer program crash so I might be missing some of the recent ads and including some that need to be dropped. Sorry about that! -Ed)

(9.19)N6OLE Home made Grid Dip Meter with docs, must see to appreciate this work of art(Best Offer); Sears ROAD-TALKER40 SSB XCVR \$50; military oat mic + headphones BO; Precision "Steel Six" lab mtrs. \$5 ea; Proximator I vehicle det. \$2; Olson CB067 Swr Mtr. \$3; Keithly Auto R. Mtr. \$15; Motion Det. Solfan 5240 \$5; 25v.3A Reg. Pwr Sup \$20; Sabetronics Freq. Cntr mod. 8110A \$20; Healthdyne Lab digital thermometer mod. 2000 \$5; call AB6QT at 760-742-1573 after 5pm.

# HAM

# RADIO

# OUTLET

H  
R  
O

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

KENWOOD  
of CONCEPTS  
DIAMOND  
US TOWERS  
KANTRONICS  
YAESU  
MFJ, ICOM  
BENCHER, Inc.  
HUSTLER  
COMET  
AMERITRON

Astron,  
AEA,  
OUTBACKER  
Larsen Antennas  
TEN-TEC  
hy-gain, Tri-EX,  
cushcraft  
and  
others too  
numerous to  
mention!

Drop in to see our display of working equipment.  
Find out about Pkt location determining equipment (APRS).  
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: 10a.m. - 5:30p.m.  
Monday thru Saturday  
858 560-4900 or toll free 1-800-854-6046  
5375 Kearny Villa Rd, S. D.

Ask about our great prices

Directions: On 163, take Clairemont Mesa Blvd. off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and HRO sign. Be sure to see our equipment in action on real antennas.

4. Radial **Larsen** 2m glass mt 1/2 ant \$40
5. **Van Gorden** HI-Q 1-1 Balun \$20
6. **KB6MT** High speed code course (3 cassette tapes & manual) \$15
7. **Technician** "No-Code Plus" FCC license preparation course. 3rd. edition. Question effective through June 2001 \$5  
Prices negotiable to best offer, contact 619-686-5607, or NN3V@amsat.org

**WANTED:** (A few good men/women) ☒

(10.22) Need diagram of **Tempo-1**:  
Fred Brown fwb@cts.com Palomar Mt.  
(8.26) Wanted Heathkit Apache transmitter and **Heathkit** Mohawk receiver: Hugh K4ESQ via W9FQN@Juno.com

(5.28) **Wanted kit builder** (elecraft kl kit): Don KF6NMA Poway (858) 486-5927 donald@henkearchitect.com

## Contests

**Harry Hodges** W6YOO@amsat.org

- Dec 1 TARA RTTY Sprint
- Dec 2 Tennessee QSO Party
- Dec 2 QRP Sprint
- Dec 7 ARRL 160 Meter Contest
- Dec 15 ARRL 10 Meter Contest
- Dec 15 Croatian CW Contest
- Dec 29 Canadian Winter Contest
- Dec 29 Stew Perry 160Meter Contest
- Jan 5 ARRL RTTY Roundup
- Jan 11 Japan Int'l Contest
- Jan 12 N. Amer QSO Party, CW

Not many contests this month. A couple to help your Worked All States quest. The two 160 meter contests might encourage you to experiment with antenna design to get you on 160 meters. Rules are published in QST, CQ, NCJ, and Worldradio magazines. CU in the contest. 73, Harry

## Chem. Emergency

### *How to Shelter in Place*

If a hazardous chemical emergency occurs in your neighborhood, ... take action quickly. During a hazardous chemical emergency, you should go inside and stay put. ...

**Go inside:** Turn off heaters and air conditioners and close fireplace dampers. Close and seal all doors and windows. Cover you nose and mouth with a wet cloth if necessary. Listen to

your radio or TV. Wait for the all clear signal before you move outside.

Make sure your emergency kit includes the following:

- two rolls of duct tape
- scissors
- towels
- drinking water
- toilet supplies & any necessary

medications

- a portable, battery operated radio
- a flashlight
- extra batteries and once again, your checklist

Store your emergency kit in a place you can get to quickly and easily. Then rehearse by having emergency drills. ...

The following guidelines are from a Florida government Web site, and are more detailed in the contents of the emergency kit and the steps to be taken to Shelter-In-Place:

From: <http://www.cfrpc.org/shelter.html>

The term, Shelter-In-Place, means to seek immediate shelter and remain there during a chemical emergency rather than evacuate the area. There are occasions when the option to evacuate the area is not considered (e.g., a time constraint, or when evacuation would subject you to greater risk). Unless otherwise instructed to evacuate, sheltering in a pre-determined safe location in your home or place of work is the preferred method of safely waiting out a hazardous materials release. In place sheltering usually lasts no more than one-to-two hours and preparations, made in advance, can ensure that the event is as comfortable as possible.

The decision to shelter in place or evacuate is usually made by local emergency management personnel ...

If you are asked to shelter in place, here is a list of what to do:

First, remain calm.

If you are outdoors go inside immediately (an interior room without windows is preferable). Do not call 911 unless you are reporting an immediate life-threatening situation. Do not attempt to get your children from their school or day care center. Staff members are trained to protect your children and will institute shelter-in-place procedures

where they are located.

Next, close all windows and doors. Place pre-cut plastic sheeting over windows, and tape in place. Close all outside air vents. Turn off cooling, heating or ventilating systems. Cover cracks under doors with damp towels. If you have a fireplace, put out the fire and close the damper.

Tape cracks and other openings such as electrical outlets and cable television outlets for extra protection. Keep pets indoors.

Lastly, listen carefully to a portable radio for instructions from emergency officials.

Assemble your own Shelter-In-Place kit to aid you when the need arises. A simple kit can be assembled relatively inexpensively (usually under \$50) with the following items:

A roll of plastic sheeting, precut to fit any windows in the room.

A roll of duct tape.

Bath towels to place under any openings in doorways (dampen towels first).

A battery-operated radio, with extra batteries, tuned to the local Emergency Alert Station (EAS).

Bottled water and some sort of snack food. ...

If you have any questions about Shelter-In-Place, you may contact your State or County Office of Emergency Services. ("California Emergency Medical Services Authority" web site- [emsa.cahwnet.gov/dms2/hospambex.asp](http://emsa.cahwnet.gov/dms2/hospambex.asp)  
Credited to Jim Rich DWR 10-29-2001)

*Merry Christmas*

*and*

*A Happy New Year*

*Best wishes to all*

*for a great 2002 !!*

## Repeater Status 11.25.01

146.730+ : Normal  
147.075- : Intermittent problem  
147.130- : Normal  
147.000- : No patch attached  
146.680 : Normal?  
146.700- : Packet Repeater Normal  
145.050s : Packet Digi Normal  
PALBBS : Bulletin Board Normal  
AutoPatch: Operational except 447.000  
ATV : Operational

## Work Parties

Organized work parties suspended until Spring because of weather.

## Work Parties *(trabajo)*

*(General work parties are usually scheduled the first Sunday after the first Wednesday Club meeting -Ed)*

### Next general workparty:

There are none scheduled.

### Last work parties:

(10.26)**KB6MCU** Bill Smith and **K6QO** Dave Fender went to the site and adjusted one amplifier to 18w and all seems to be working FB now.

(10.31) FYI: I adjusted the battery voltages to 15.16 on the "A" bank and 15.19 on the "B" bank. The measurements were made after about two hours had passed after adjustments. Also, I removed the controller from the .075 and examined it in hopes of finding something obvious related to the intermittent. There was nothing obvious, as we should have guessed, but I did try one thing. The "keying" transistor is originally mounted onto a socket. I have eliminated the socket and the transistor is now soldered directly to the board. If it fails again, at least I will know one thing that the problem is not! Also, I have finished the cable run between the sunken building and the generator house. A good day at the site. About 58 deg. and breezy. I set out to accomplish 3 things and I accomplished 3 things. 73 de **AB6QT**.

## **KE6HI** *(antenna party)*

**W6HCD**Nash and **W9FQN**Stan, after the Fold and Staple Party for the

## Technical, autopatch, repeaters, etc:

**AB6QT@amsat.org** (Rptrs); **W9FQN@amsat.org** (autopatch/work parties)

pg.7  
-137-  
1,617

November Scope, visited **KE6HIA** Alma Bourhenne's QTH to put her dipole back up on her two poles. Hope you can now work lots of CW Alma!

## 6m Antenna Report

Paul Williamson **KB5MU@amsat.org**

The 6m repeater antenna was originally two 5/8-wave sections stacked vertically, but in last winter's weather most of the top 5/8-wave section broke off.

We brought the antenna to the ground, removed the remaining parts of the top section, and re-tuned the antenna as a single 5/8-wave. Between that and replacing the corroded connector on the end of the feedline, we seem to have improved the 6m repeater's performance substantially.

The work on the actual repeater didn't amount to much. Art, **KC6UQH**, thought he might be able to retune the cavities to allow for the broken antenna's impedance, but it was too extreme. Then he thought he might be able to match it with a stub, but that didn't work either. In the end, all he did was tweak on the cavities to touch up the

tuning, as far as I know.

Once we discovered (at Art's suggestion) that shaking the antenna mast caused horrendous noise in the repeater's receiver, we resolved to fix the antenna instead of trying to kludge something on the ground.

Art discovered that all the BNC connectors on the little boxes on top of the cavities are corroded. He found desense varying from tiny to about 6 dB, varying as he wiggled those connectors. He recommends replacing the cavities, or maybe rebuilding them with new (preferably SMA) connectors.

He also observed that the squelch is set pretty tight. According to Dave **KC6YSO**, the squelch knob is internal and not easily accessed, so once again nobody felt like messing with it.

The remaining cut-down antenna looks fairly robust. I expect it will survive better than the full-size original antenna did. The top end-cap we provided (a plastic bottle cap and black tape) won't last, though.

73 -Paul

## From MILLIWATTS to KILOWATTS

**RF POWER TRANSISTORS - TUBES - POWER MODULES**

**Best pricing on U.S. & Russian Transmitting & Receiving Tubes**

**3-500ZG - 3-600Z - 811A - 572B**

**4-400C - 6146B & W - 8072 - 8560AS - 8873 - 8875**

**3CX400A7 & U7 - 3CX1200A7 & Z7 - 3CX1500A7 - 3CX3000A7**

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**RF PARTS, 435 S. Pacific Street**

## FRN Number #1

Hi Stan,

I thought you might be able to squeek this into the December Scope. Bob Bostick, manager of the Normal Heights licensing test site informed me and the other VE's that beginning December 2001 all examinees must have an FRN or Federal Registration Number.

**Anyone planning to take and exam either to upgrade or for a new license will need to have this number or you will NOT be allowed to take an exam.**

To get your FRN you will need to go to the FCC web site and register yourself. 73s Ed Butler, **KF6DXX**

*(how to do this was in the November Scope, page 11 but is being repeated here in case you missed it the first time -Ed)*

## FRN Number #2

The FCC is saying that you should be checking your FCC records to see if you have been assigned a **FCC Registration Number (FRN)**. To find if you have an FRN number -

- 1-Go to [www.fcc.gov/wtb/uls/](http://www.fcc.gov/wtb/uls/)
- 2-Click on <LICENSES> link
- 3-then click on <continue>
- 4-Enter your call sign in the box
- 5-Scroll down, click on <search>
- 6-Click on your call sign
- 7-U will see two links
- 8-Click on 2nd from left <Lic Info>
- 9-Ur 10 dig FRN is on top line

If the FRN number is blank, then you should register by clicking ULS TIN Registration from the ULS homepage at <http://www.fcc.gov/wtb/uls>

If you do not have access to the web, visit someone who can access your record for you. **DO NOT** type in dashes in your SSN and telephone number!

*(Tnx to Milt W6MK and W5YI report -Ed)*

## Scope Delivery

**The Scope is always put in the mail one week before the club meeting.** It is mailed on a Wednesday afternoon and most often is received in Valley Center the next day, Thursday.

This means that the Scope left the P.O.

substation on East Vista Way in Vista, traveled to the sorting center in San Diego, and then was delivered to Valley Center all in 24 hours.

All of the packaged Scopes go to the main sorting center in San Diego **except for those marked for Vista** which means that the Vista Scopes do not make the trip to San Diego but remain in Vista for distribution.

It is rather hard to understand how the Scopes can leave Vista, arrive in San Diego for sorting, and then arrive in Valley Center sometimes days before they arrive in Vista homes when they never had to leave Vista in the first place!

It is our understanding that the Scope is to be treated as 1st class mail so it should be delivered within one day!

## By-laws (Election)(#1)

*(From time to time we will publish excerpts from the club's by-laws - Ed).*

**"Section 8 (e)** of these bylaws is amended to read as follows:

(e) No later than the October regular meeting, the President shall appoint a nominating committee to select one qualified candidate for each elective officer and director position. The nominating committee shall make its nominations based upon its opinion of who is best suited, under all the circumstances, to serve the current and future needs of the corporation, regardless of whether its nominees are incumbent officers or directors. **The nominating committee shall make its report at the November regular meeting. Members may nominate candidates for officer or director from the floor at the November meeting. ...."** and then ....

"The nominating committee and others making nominations should ensure that **each nominee is willing to serve** if elected. Should the only candidate for a particular position dies, become incapacitated or ineligible to serve, or withdraw his name from consideration, other candidates for that position may be nominated at the December regular meeting. The election shall be held at the December regular meeting, with the new officers and directors assuming their duties at the end of the December regular meeting. **If there is only one nominee for an officer, that nominee may be declared elected without the formality of a vote.** If there is more than one nominee for a position, voting shall be by secret written ballot. ...."

## Insurance

PARC now has liability insurance through **Seabury and Smith** of Park Ridge, Illinois. This is the firm that ARRL directs you to.

We should be getting the policy in the mail in a few days. In the meantime, I had them fax me "proof of coverage". Sonny, **WASACE**, Sec.

*(according to W6GNI, received 11-19-01 - Ed)*

## THANKS !!!!!

From time to time it is always nice to be able to say **THANKS** to our friends and to the many nice people that make the Palomar Amateur Radio Club what it is.

If we have missed anyone that should be recognized, please feel free to send in your **THANKS** to the editor for inclusion in next month's Scope.

**THANKS to WB6FMT Jerry** for all of his efforts in building the autopatch and control items for the autopatch. *W9FQN*

**THANKS to W6YOO Harry** for always being early in getting his column to the Scope. *W9FQN*

**THANKS to all our members** who renew early and for many years. It is greatly appreciated and saves me lots of work *W6GNI*

**THANKS to AA6OM Rusty** and his testing crew for their dedication in running the testing each month at the Carlsbad Safety Center. *PARC*

**THANKS to the Fold & Staple** guys and gals who put the Scope together and get it into the mails each month. *W9FQN*

**THANKS to the club members** who use the repeaters properly. *PARC*

**THANKS to N2DCA Allen** for his serving as VP and President of our club during these past 5+ years. *PARC*

**THANKS to all the Repeater** Site workers for 2001. *W9FQN*

**THANKS to KC6WAN Ralph and W6GNIAI** for providing me with all the Scope data I need to get the Scope in the mails. *W9FQN*

**THANKS to KF6BFITed** for fill-

ing in on the Board this year upon the absence of one of its members. *PARC*.

**THANKS to WA5ACE***Sonny* for filling in on the Board this year as the club's secretary upon the absence of one of its members. *PARC*

**THANKS to the Nominating Committee** for their efforts in securing officers for the year 2002. *PARC*

**THANKS to WN6KM***Milt* for providing your editor with the W5YI newsletter report. *W9FQN*

**THANKS to our Advertisers** who help make this newsletter possible. *PARC*

**THANKS de KE6ZLY***Glenn*: I would like to take this opportunity to thank the officers, past and present, of the Palomar Amateur Radio Club for their involvement in making the PARC such a great club. It has been a tremendous help for me in rebuilding my life after the death of my daughter a few years ago. *KE6ZLY*

**THANKS to Club Members** who made possible PARC's Field Day performance! *NN3V*

**THANKS (special)** to the band captains, WN6K(Paul), KC6VDX(Bob), K3PXX(Terry), and KF6BFI(Ted) who gave their time in running the stations, and helping prepare for FD. *NN3V*

**THANKS to KF6WTN**(Marc) for the "Road Kill Cafe" that has come to symbolize the absolute finest in FD and related ham gastronomic experiences! *NN3V*

**THANKS to AC8Q**(Roger) and his lovely **YL**(Liz) for the effort they carried out to publicize PARC FD, which garnered the attention we had from the local TV news media! *NN3V*

**THANKS to AB6QT**(Mike), **KC6UQH**(Art), **KC6YSO**(Dave), **W9FQN**(Stan) and a **WHOLE LEGION OF PARC MEMBERS** who gave their time throughout the year working on the repeaters up on the mountain!. Without their collective effort, we'd have no means of enjoying the hobby as we do! *NN3V*

**THANKS to all who donated** items to the club. *PARC*

**THANKS to all of our Program presenters** who make our meetings so interesting. *PARC*

**THANKS to Show-n-Tell presenters.** Your items help make a good meeting. *PARC*

**THANKS to the Goodie bringers** at club meetings. Your calories help cushion our seats. *PARC*

**THANKS to the Field Day crew.** You did a great job this year. *PARC*

**THANKS to article senders** for the Scope. I appreciate it. *W9FQN*

**THANKS to KB6NMK***Jo* for her never ending devotion to the PARC finance books. *Board*

**THANKS to NN3V***Charlie* for the great programs this year. *PARC*

**THANKS to the Chair people** who set up and take down the chairs at each club meeting. *PARC*

**THANKS to KB6MCU***Bill* for serving as the club's rep to SANDARC for many years. *PARC*

**THANKS to W6GIC***Sybil* for serving as the club's rep to SANDARC for many years of faithful service as a club officer. *PARC*

**THANKS to N6KID***Dennis* for cultivating the young new hams as they are our future lifeblood. *WN6K*

**THANKS to N6KID***Dennis* for all of his Field Day help and expertise. *PARC* and **THANKS to ALL** who sent in their THANK U's for this last issue of the year 2001. *W9FQN*

**THANKS to KC6WAN***Ralph* (in the white jump suit) who is always there to answer my programming questions. *W9FQN*

**THANKS to WB6IQS***John* who is one of the best scroungers I have ever see and who I have greatly enjoyed working with over the years. *W9FQN*

**THANKS to KE6WOE***Frank* who posts the latest copy of the Scope to the club web page which has lots of club items and links. *W6GNI*

**THANKS to W6VR***Bob* whose newsletter "The CGC Communicator" has been a source of many current Scope items. *W9FQN*

**THANKS to WA6UTQ***Larry* for keeping me informed of the latest amateur radio items. *W9FQN*

**THANKS to the Tower Climbers** even if they look down on the rest of us.

*W9FQN*

**THANKS to goodie bringers.** Your taste treats are most welcome and net the club some \$\$.

**THANKS to AB6QT***Mike* for all the effort he has put in on behalf of the club at the repeater site. *W9FQN*

**THANKS to N6UZH***Terry* for her expert help with the labels and Scope forms. You have always been a pleasure to work with. *W9FQN*

**THANKS to the nice ladies** that come to repeater site work parties and take care of the small trees and do other good deeds. *W6GNI*

**THANKS to Frank** **KE6WOE** who really understood disaster communications. *W9FQN*

**THANKS to all Committee Heads** who are listed on page 4 of this issue of the Scope. *PARC*

**THANKS to the chef** of the Road Kill Cafe that has upgraded the food served at all special club functions. *W6GNI*

**THANKS to Art and Anita** for letting the fold and staple crew use their house for these many years and for the delicious cookies that Anita alays makes. *PARC*

**THANKS to W9FQN***Stan* for his untiring efforts with the SCOPE and the entire broad spectrum of the Palomar Amateur Radio Club. *WA5ACE*

**THANKS to EVERYONE** that has helped the club over the past year, *Board*

At last, but not least -

**MANY THANKS to EVERYONE** that has helped me over these past 19 years of club activities. Your efforts were greatly appreciated! *W9FQN Stan*

# PARC NETS (06/01)

All 147.075 10-11pm MCW contacts  
 All 147.130 2130+ pm Facitious Group  
 Sun.146.730 8:30am AREmergency Service  
 Sun.146.730 10:00am Sunday Sailor's Net  
 Sun.147.075 8:45pm MARA Net  
 Mon.146.730 9:00pm Microwave Net  
 Tue.146.730 8:00pm Traffic Net (SDCTN)  
 Tue 146.730 9:00pm Off Roading Net  
 Thu.146.730 8:00pm Traffic Net (SDCTN)  
 Thu.146.730 9:00pm Ham Help Net  
 (electronics, computers, antennas, license theory, etc.)  
 Fri.146.730 9:00pm Hiker's Net  
 Sat. 146.730 8:00pm Traffic Net (SDCTN)  
 Sat. 52.680 8:00pm 6m ARES Net  
 "other non-PARC nets"

Convair/220 Club: 224.900 PL 107.2 Hz  
 Mon 8:30pm, Tech. & News  
 Fallbrook ARC:146.175 + PL 107.2 Hz  
 Tues 7:00pm, General Discussions

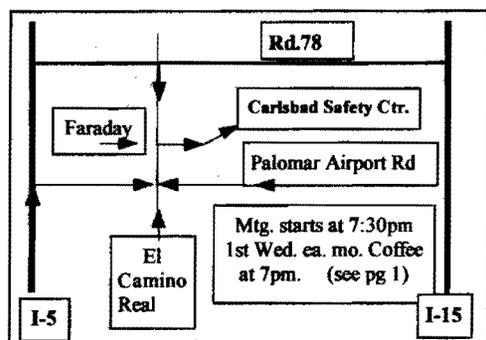
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 Wow!



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**pse cover me!**

*Fold, I am not sold but old and cold, I am told!*

## PARC Web Page (KE6WOE)

<http://members.home.net/parc/>

## OPEN Repeaters/CLOSED Patches

Palomar Mt. Repeaters (W6NWG)

PARC Trustee of W6NWG: AB6QT

\*52.680- W6NWG, -0.5 MHz

Autopatches(4): 146.730-, \*147.075+

\*147.130+, \*447.000-

PKT: 145.050s (PALMAR/W6NWG-1)

146.700-(Duplex Pkt) PALBBS/EMG use

145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": 1241.25 MHz AM

ATV"IN": 915wbfm, 919am,

2441.25wbfm

Intercom: 146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94- KK6KD(HARS)

\*447.05- & \*145.26- KK6KD(HARS)

\*146.175+ N6FQ(FalbrkARC) linked

to \*445.600 MHz (-)

\*224.90- WD6HFR (Convair/220 ARC);

446.14- WB6FMT(123.0)Vista;

\*=107.2 Hz

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 aldonlevy@Juno.com

# Auction

Unidified donors \$ 24.00

Top Donors

W6GNI, N6NGG, K6ML,

K6EXL, N6FN, K7WLX, N9SCD

& N6KI ..... \$285.50

Tot.donations+10% \$432.10

Cks Pd out \$1,081.90

Cks. + Cash Deposit \$1,514.00

## Web Pages

PARC's Home Page - KE6WOE

<http://members.home.net/parc/>

Rod's General Home Page - AC6V

<http://ac6v.com/>

ARES Alert Publication

<http://www.qsl.net/sdgarri/alert.htm>

Tom's Hiker's Home Page - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>

**PARC Testing** - tests given each 2nd

Saturday at 9:30 am in the Carlsbad

Safety center in Carlsbad. Contact Rusty

AA6OM at 760-747-5872 or at

[DuneDancer@worldnet.att.net](mailto:DuneDancer@worldnet.att.net)

Register 5-7 days in advance for tests.

**Escondido Testing** - examinations on the

LAST Saturday @ 9:00am, Chamber of

Commerce, 720 N.Broadway, Esc 92025.

Contact Harry W6YOO 760-743-4212.