

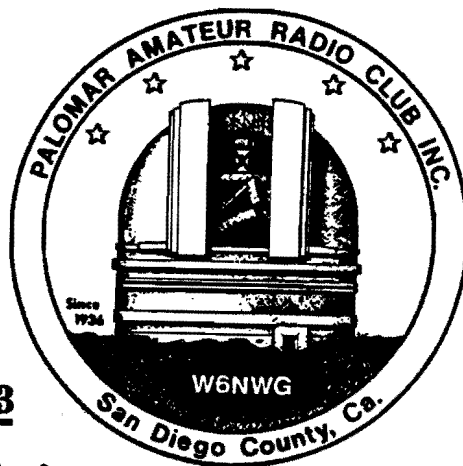
W6NWG W6NWG W6NWG W6NWG

Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073



JANUARY ***** 1993 ** 56 YRS

***** Volume XIX NO. 1

***** Published every month

January 6th Meeting, 1st Wed

Coffee 7pm and Mtg. @ 7:30pm

Carlsbad Safety Ctr, Palomar

Airport road to Camino Real,

East on Faraday 1/4mi, left

to C.S. Ctr., T.B. pg 14, F6.

Talk in 146.730 / 147.130

PARC FREQUENCIES USED:

* = patches thru P.Mt.Rptrs.
Covering 2,000sq.mi.SDCo

** = patch, local VSTA/FBRK

% = W6NWG, PARC, WI6B-Ron
(107.2 Hz used for all PL's)

Load your memories with the
PARC frequencies listed:

145.050Pkt, W6NWG/"PALMAR"%

146.175+, PL, Patch, Fallbrook

** WA6IPD, Art Rideout

146.520s, National Simplex

146.535s, Palomar ARC Simplex

also Simplex Repeater

146.730-, (*Patch-PL), P.Mt.%

147.075+, PL, no patch, P.Mt.%

147.130+, PL, *Patch, P.Mt.

KA6UAI, Erik Thompson

224.900-, PL, Palomar Mt.

WD6HFR, 220 Club of S.D.

METROLINK Pkt 9600 baud %

446.000s, National Simplex

446.400-, *Patch, Encinitas

Rpt/link to 147.13 KA6UAI

449.425-, PL, *Patch, P.Mt.%

AUTOPATCH OUTLET CENTERS:

WB6FMT-Jerry, P.Mt-> VSTA

WV6Z-Del, P.Mt-> MMSA

N6IZW-Kerry, P.Mt-> LMSA

WA6IPD-Art, Fallbrook>FBRK

***** C A L E N D A R *****

Jan 6 Wed. PARC Club Meeting

Jan 9 Sat. PARC VE Carlsbad

Jan 9 Oceanside Ham SwapMeet

Jan 14 Thu. Board Mtg. @ WA6Y00

NEXT CLUB MEETING

Art McBride-KC6UQH, VP and program chairman, has announced that the next club meeting will be a program by John Fulton-WR6J, our San Diego ARRL Section Manager, presenting a 30 minute video on THE LAST VOICE FROM KUWAIT which documents how one amateur survived the occupation and continued communications with the outside world: using AMTOR to talk to the U.S. Ranger. This program has been very well received by other ham clubs in California.

SHOW and TELL will feature whatever you bring: mobile pass filter & new 146.73 control. Talk to Art-KC6UQH before the meeting starts to reserve a time slot.

W A N T to be a H A M ?

(or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator and/or in joining PARC, please contact one of the ELMERS listed:

*** E L M E R S ***

CARDIFF, . WB6R, 753-4821

CARLSBAD *** Benton Caldwell

KK6LX, TREASURER, 729-5161

CARLSBAD, . N6QJE, 729-0850

CHULA VISTA, N6RUV, 422-4415

DEL MAR, . KC6BJM, 755-5244

ENCINITAS, WA6HQM, 753-2605

ESCONDIDO ***** Harry Hodges

WA6Y00, (PRESIDENT), 743-4212

ESCONDIDO ***** Art Mc Bride

KC6UQH, (V-PRES), 741-8143

ESCONDIDO, KB6NMK, 741-2560

FALLBROOK, WA6IPD, 728-6834

La MESA, . N6UW, 697-6025

LAKESIDE, . WB6GXR, 561-2211

LEUCADIA, . KG6VX, 436-9983

LINDA VISTA, KB5MU, 571-8585

MIRA MESA, . W6TXK, 566-1959

OCEANSIDE, AB6LY, 439-4109

OCEANSIDE, . W6TFB, 757-9374

POWAY, . . N6NNI, 748-8391

RAMONA, . . AA6UU, 789-3070

RANCHO Pen, W6OLQ, 672-3891

RANCHO S.Fe, WI6B, 756-3133

SAN DIEGO, . N6KI, 271-6079

San Marcos, KC6WAN, Membership

Ralph Powell 727-7415

SAN MARCOS, AA6OM, 747-5872

SOLANA BEACH, N6CKQ, 755-9179

VALLEY CTR, **WH6CH, Secretary

Mike Garrison, 731-5228

VISTA, . . KI6JM, 598-0420

Gordon West's 232 page

Technician Class, NEW NO-CODE,

license preparation book is carried

at HRO and Radio Shack dealers for

\$9.95. The Ameco books, Novice &

Technician (#78-01 = #27-01 + #28-

01) for the same total price, are

excellent.

Prospective amateurs should be

encouraged to purchase these book(s)

immediately and start working on the

multiple choice questions and

answers. Mark the questions that

you are having problems with and we

will try to help you with those you

don't understand. Come early to our

meetings and see if you can get some

of your more difficult questions

answered before the meeting.

LAST CLUB MEETING

We had a great Christmas

program with 95 members, 18 guests, for a total attendance of 113. Larry-AB6LY demonstrated the club's new simplex repeater which he put together.

Rod-KM6SN showed us his newly constructed loop antenna for 40 meters with a diameter of approximately 5' which appears to be an excellent limited space antenna for those with antenna restrictions or not having much antenna space. The loop was made out of copper tubing and an old Command Set capacitor for tuning.

Herb Johnson, founder of ATLAS RADIO, talked about the "good old days" of Atlas Radio and showed us his new ATLAS 310 for around \$750 which helps put the USA back into the transceiver market. He also showed us his older Atlas 215X which was used on the yacht VECTOR in the SD to Mazatlan race in 1976, Thor Heyerdahl raft TIGRIS in 1978, the Mt Everest Expedition at the 6,000' base camp, and the yacht WINDROSE in the SD to Manzanillo race in 1982. Herb is looking for investors and has already sold the first 50 transceivers built in the first production run plus half of the next 75 unit production run.

Jack Althouse of PALOMAR ENGINEERS gave us an interesting run down on all of their product line: filters, baulns, preamps, antenna testers, code keys, etc.

Gene-WB9COY showed us his antenna line from 2m to 1.2 GHz. Some of the antennas were coated with a black anodization which will probably make them more attractive to the XYL. Several of his antennas were "knock-down" and could be carried in your trunk for portable operations.

The RACES/ARES station in the Carlsbad Safety Center was open and their new 220 transceiver was on display. When you come to club meetings be sure to visit the station which is just across the hall from the meeting room. Ron-KM6MW is more than happy to give you a personal tour of the station.

Art-KB6YHZ, Larry-AB6LY and Kay, again supervised the drink and

goodie table. Members bringing in goodies were: Larry-AB6LY & Keiko, Pat-KC6VVT, Jim-KD6IVF, Lloyd-W6TFB, Jack-KI6JM & Audry, George-K6Y6K, John-WB6IQS, Sac-KK6RX, WB6R-Duane, Bill-KM6M, Rick-KC9LV, Terry-K3PXX, and Bill-KB6MCU with apple pie.

The goodies were great and you were rewarded with "1" participation ticket each (not per cookie)!

It appears as though the club forgot to recognize previous goodie bringers: KC6QBD-Nov & WA6Y00-OctNov.

PRESIDENTIAL QRM

WA6Y00 2435 Our Country Rd
Escondido, 92029, 743-4212

First let me thank the membership for your expression of confidence in reelecting me as Club President for 1993. I will try to do the best job I can. I know that the other club officers you have chosen will make my job that much easier as they are all outstanding people.

I wish all of you a very Merry Christmas and a healthy Happy New Year. May old Saint Nick bring you all the Ham goodies he can cram in his bag. Personally, I am hoping for a Yaesu FT 1000D with matching amplifier but I will settle for a 1993 Handbook.

I wish to take this opportunity to recognize AA6OM, RUSTY MASSIE, who is the leader of our Volunteer Examiner team. He and his team members conduct license examinations on the second Saturday of the month in the Carlsbad Safety Center. For those of you who have been through a VE session know what goes on during the testing period. What you don't know is the amount of effort that Rusty puts out both before and after the session handling the paperwork. It's a lot of work and we all owe Rusty a pat on the back for doing this very special job.

Most of you know JO ASHLEY, KB6NMK, who put together our PARC brochure, was our Membership Chairperson, and has done many other things for Amateur Radio, too numerous to mention here. Well, at their annual Holiday Party, the Escondido Amateur Radio Society recognized Jo

as Ham of the Year - 1992 and she received a beautiful plaque for her contributions to our hobby. Congratulations Jo Ashley!

Don't forget our monthly Swap Meet. The next one will be held on Saturday, January 16, 1993. See you there.

73, Harry Hodges, WA6Y00

BOARD of DIRECTORS

PRESENT at board meeting -

Pres : Harry Hodges, WA6Y00

VP : Art Mc Bride, KC6UQH

Sec : Nash Williams, W6HCD

Treas: KK6LX (absent)

RTech: WB6IQS (absent)

SCOPE: Stan Rohrer, W9FQN

- also present -

MbrShp: Ralph Powell, KC6WAN

Consti: Jack Hanthorn, KI6JM

Others: KB6MCU, N6ZUC, WH6CH

& N6KI

Club members are invited to attend these meetings to observe the Board of directors in action .or non-action ..es (and) get an activity pt for attending! Harry's brownies were especially tasteee.

DISCUSSED: programs; \$12 membership dues (no increase) and wording in the By-laws; PARC business cards; PARC folders and changes that need to be made; PARC QSL manager; PARC ham classes and costs; loan of N6KI IBM computer; etc.

APPROVED: SPANISH net on 146.730 and CODE practice on 147.075; during emergencies ARES on 146.730, MARA on 147.075, EVAC on 147.130 and RACES on a secondary basis; etc.

Please contact one of the above attendees for more information on the meeting.

NEWSLETTER HELPERS

for Dec. 1992 SCOPE

KI6JM, Jack Hanthorn, folding

QTH and refreshments

WA6Y00, Harry Hodges, staples

N6TCB, Jerry Carter, sorting

W9FQN, Stan Rohrer, Editor,

SCOPE printing, P.O. Forms

Could have used more help!#!

Join!

JAN '93

Palomar Amateur Radio Club Enlistment / Re-enlistment Application

AMATEUR CALL	CLASS OF LICENCE N T T+ G A E	
ARRL MEMBER Yes No	DATE FIRST LICENCED	
LAST NAME	OLD CALLS	
FIRST NAME	DATE OF BIRTH	
STREET ADDRESS	RACES	Yes No
	ARES	Yes No
CITY & STATE	RED FLAG	Yes No
ZIP CODE	BLOOD DONOR	BLOOD TYPE
HOME PHONE #	WORK OR OTHER PHONE #	
THOS. BROS. MAP LOCATION	INTERESTS	
LICENCE EXPIRES	PARC FAMILY MEMBERS	

Mail this form with your check to PARC, P.O. Box 73, Vista, Ca 92085-0073 or hand to Ralph, KC6WAN at club meetings. We prefer checks to cash, it's safer and you have a record. Dues (including Scope) are \$12 a year plus \$9 for family.

Consider paying for two or three years at a time to reduce the work for the membership chairman. Call, name and complete address are required. Telephone number is requested but may be unlisted in roster if preferred. Other information may be omitted if you feel uncomfortable providing it to the club.

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- EDITOR -

Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
(619)749-0276, 11:30am/9:45pm

SHOW and TELL has been a part of PARC's meetings ever since my XYL, Barbara-KA6FPS, came home one evening years ago and talked about the SHOW and TELL which she had at school that day.

SHOW and TELL usually takes the form of some member showing something which he/she recently bought or made. Below are some suggestions for SHOW and TELL.

1. display new equipment, 1-2 minutes
2. display something built, 2-3 min.
3. inform 4. teach 5. amuse

SHOW and TELL items should be cleared with the Vice President before the meeting and should be limited to not more than 1-5 minutes in length. Your purpose is to expose the audience to something new or interesting in the area of amateur radio and letting those interested talk to you during the intermission or at the end of the meeting.

Your SHOW and TELL is to whet the audiences appetite to where they will want to talk to you later during the intermission.

REPEATERS, etc.

REPEATER TECHNICAL CHAIRMAN:

John Kuivinen - WB6IQS

TECHNICIANS:

80' Mike D. - KC6KCQ
12345 146.730/449.425
6 Art M. - KC6UQH
7 147.075
89ABC Erik T. - KA6UAI
& JohnB.WA6ZJC
147.130
Larry G. - AB6LY
Simplex Rpt
Paul W. - KB5MU
Palomar Packet & Metro
Mountain Tim L. - N6ZUC
(fig1) Packet & Control
Autopatch: Jerry H. - WB6FMT
Batt./Gen: David T. - KD6EBY

SITE OPERATIONS:

Stan Rohrer - W9FQN

The antennas on our tower (see fig 1 above for numbers) that are of interest to PARC members are as follows:

- 1) 4-bay folded dipoles(9db) 147.130
- 2) 2ea 4-bay(9db) autopatch & 449.425
- 3) collinear + reflector(9db) 145.050
- 4) slot open (450 collinear?)
- 5) 4-bay folded dipoles(9db) 2m probs?
- 6) corner reflector(8.1db) 2m 146.730
- 7) corner reflector(8.1db) 2m not used
- 8) slot open
- 9) slot open
- A) used xxxxxxx
- B) slot open
- C) collinear + reflector(9db) 147.075

The above description of antennas on the tower leaves out quite a few other antennas (5-6) including a 10GHz and a Metro-link antenna which are side mounted on the tower. -SK-

After making contact on 146.730 or 147.130, try moving over to 147.075 to check the coverage of the .075 repeater compared to .73 or .13.

With troops in Samalia we should expect an increase in traffic for the evening traffic net. Remember that SDCTN traffic overflow will move to 147.130 and 147.075 from 8 to 8:15pm. -SK-

The PARC repeaters were placed on the southwest slope of Palomar Mountain so that they would cover San Diego County and not cover up to the north of us. For the most part we do not put usable signals to the north except for conditions of ducting and hams using beams or living on mountains. PLEASE do not invite communications with other stations to the north. If you need to talk to friends to the north of us, consider using 147.645, 145.220, 146.850, etc. Our repeaters are for amateurs to the south of the immigration check points on I-5 and I-15. -SK-

MORE ON PL's - your editor as a control operator got caught in the PL jungle when Bill-WB6THH tried to run an autopatch on 147.130. I turned off the patch because I did not hear him get a dial tone nor did I hear the phone ringing. The patch was shut down because from what I heard it was a "failed" call: improper access codes or poor signal.

All of my transceivers are set

up for PL ENCODE which means that I broadcast a PL of 107.2 with my signal into 146.175, 146.73, 147.075, 147.13, and 449.425 even though it is not needed to talk on 146.73 ..but it is needed on 146.73 to talk on the autopatch.

Below, you will note that ALL W6NWG repeaters need an HT1 to broadcast a PL of 107.2 up to Palomar Mountain where it is received by the (R)eppeater (R)eciever (RR). The Repeater Receiver passes its audio over to the (R)eppeater (T)ransmitter (RT) where it is broadcast all over SDCo. but the Repeater Receiver STRIPS OFF the PL of 107.2Hz and does not pass it to the Repeater Transceiver. Then we generate a new 107.2Hz PL in the transmitter and broadcast it along with the audio that has gone straight through the system. We STRIP off the PL because we are not sure that HT1 is sending a pure tone or proper amplitude PL and we put a new PL on the output so that we are assured that it has constant frequency and amplitude.

The KA6UAI repeater is different. It passes the 107.2Hz PL straight through the Repeater Receiver directly to the Repeater Transmitter which means that the PL of 107.2 on the output is not a regenerated 107.2Hz but in reality, it is the 107.2Hz PL of HT3 which accessed the repeater.

ALL W6NWG REPEATERS

(Rprr Rcvr)RR RT(Rprr xmTr)

(107.2-HT1) (107.2-New)

HT1 PL---->RR RT>----->HT2

HT1audio-->RR>RT>----->HT2

KA6UAI 147.13 REPEATER

(Rprr Rcvr)RR RT(rprr xmTr)

(107.2-HT3) (107.2 of HT3)

HT3 PL---->RR>RT>----->HT4

HT3audio-->RR>RT>----->HT4

My transceivers are also set up for PL DECODE which means that I hear nothing on the frequency until a PARC repeater comes on the frequency broadcasting a PL of 107.2Hz ..and that is where I got caught in the PL trap. Bill was broadcasting a PL of 107.2 to the 147.130 repeater and his PL PASSED

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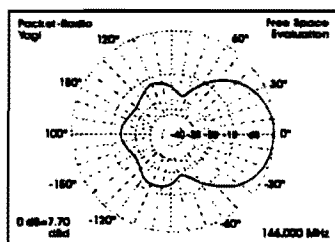


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Gene Swiech, WB9COY

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NU6L

THRU the repeater so I was able to hear him announce his call and access the patch with the access code ..but I did not hear the dial tone since he was listening (not transmitting a PL of 107.2) which meant I was no longer receiving a "passed thru" PL even though the 147.13 repeater was still held on the air by the autopatch system. The audio in my RECEIVER TURNED OFF in the absence of a PL even though the repeater was broadcasting the dial tone. Then Bill dialed his seven digit phone number which I heard because he was again broadcasting a PL, but when Bill stopped transmitting to listen for the ringing ..I heard nothing again because there was no PL on the output of 147.13. I shut down the patch and informed him that he had not received a DIAL TONE nor did it RING. But he informed me he did get a dial tone and it did ring ..and then it came to me that the 147.13 repeater was not like the other PARC repeaters. I was told there was a PL on the output of 147.130 but I did not know that it was a "passed thru" PL.

I hope you were able to follow this explanation of a simple problem which was not obvious to me at the time I programmed my transceivers. I have re-programmed my transceivers on 147.13 for ENCODE only and the DECODE is now turned off ..at least until Erik can get a TRUE PL on the output of his repeater transmitter. -SK-

PARC members who have an interest in RTTY and can presently monitor RTTY transmissions should contact W9FQN for more information on an RTTY repeater for San Diego County. When the big one comes this might be one of our best modes for getting messages into and out of California. Many of the Packet TNCs have an RTTY mode built into them so it should be fairly easy to get on RTTY if you have this mode in your TNC. -SK-

Larry-AB6LY demonstrated the club's new emergency repeater at the December club meeting but pointed out that the simplex repeater had

only 16 seconds of memory. He would like to increase it to 48 seconds so if anyone can let us know where he can pick some more NEC D43256C-15L chips, please let Larry know your suggestions. -SK-

Mike-KC6KCQ is putting the finishing touches on the new 146.73 repeater and hopes to have it finished by the end of January. He will bring in the control section for the January SHOW and TELL. -SK-

Our Palomar Repeaters are "not local" repeaters and serve wide areas of San Diego County. You can't expect us to put a signal in behind every little range of hills and every little canyon so that your HT with "high gain rubber ducky" (ha!) has 100% communications while INSIDE your car passing through a tunnel. If you have an HT, you can increase its effectiveness by: 1) AEA hot rod (\$25), 2) 12v DC from the car battery (\$2-15), 3) amplifier for your car (\$70), 4) mag mount or other outside car antenna (\$30-45), 5) efficient home antenna (\$5-50), etc. Check Gene-WB6COY's ad in this SCOPE for antennas. HT's are great but they can't compete with a 10-40w mobile or base rig with an outside antenna. Most of us buy HT's because they are small and convenient ..and then we run out of money ..AND SIGNAL!

AUTO PATCHES

de W 9 F Q N

New PARC members should request an AUTOPATCH INFORMATION SHEET describing the codes used and areas covered for the patches by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) along with your PHONE NUMBER & CITY or contact him at the next club meeting. The present access codes for all repeaters and areas served are listed on your address label ..but you will still need the info sheet to know how to use the repeater codes. -SK-

Autopatch users are reminded that if you send the access code and do not get a dial tone (possibly you had a weak signal and not all three digits were received/decoded) that you need to issue a "#" to CLEAR THE

COMPUTER for a re-try. If you don't, your second code will add in with the first code digits received and fill in the "missing" digits giving you an unacceptable access code or telephone number. ALWAYS - ALWAYS clear the computer with a "#" when YOU HAVE ANY PROBLEM ..and try again.

If a sweet young telephone lady comes on the patch and says "YOU NEED A LONG DISTANCE ACCESS CODE", you should know that you or your signal has goofed so SHUT DOWN THE PATCH IMMEDIATELY WITH A "#" sign and start all over after a 30 second wait. Its a NO NO to let the young lady talk on our repeater! -SK-

QUESTION: can I use my rig's autodialer to dial codes and numbers or PARC autopatches?

ANSWER: Yes for the 146.175 repeater in Fallbrook. Possibly for the PARC system located on Palomar Mountain with three locations within the county.

Some autodialers are too fast for our system. Remember that in our attempt to make the SYSTEM available to ALL repeaters and not to use telephone lines on Palomar Mountain that we have introduced some "time lags" that need to be dealt with for reliable operation. First, your tones need to switch the autopatch system from a "listening" state over to the repeater requesting the autopatch system and to stop listening to the other repeaters.

Second, the access code needs to "LOCK" the system to the repeater being used, turn on a link transmitter, decode the tones one by one and re-encode them for constant frequency and volume reproduction, and then send the rest of the access code to all of the autopatch connections (VSTA, MMSA, & LMSA) bringing up the connection requested into the "READY" state. After it is in the ready state and has established a connection to the telephone line, it awaits your 7-digit telephone number which it checks against an ALLOW TABLE. This, at present, all takes a certain amount of time for decoding, encoding, relays to pull-in to

activate transmitters, and connect to the phone line if it is a valid number.

Most members with autodialers "hand punch" the access code, WAIT FOR THE DIAL TONE, and then send out the rest of the number with their autodialer or they do the same thing by putting the access code in memory one and the telephone number in memory two. Some autodialers are TOO FAST for our system and will not dial your number properly. Some autodialers are slower and work fine. You will just have to try it to see if your rigs function properly on our system.

QUESTION: can you use the autopatch to call the Auto Club (AAA) when you have a problem?

ANSWER: PARC says yes on the basis that most of California is winding roads or Free Ways where problems are more serious ..especially with some of the kooks roaming around. FCC permits emergency communications and we feel that most AAA calls are of an emergency nature ..and if not an emergency at present, they soon will be. This is especially true if you are alone, not near a phone, have your family with you, and/or you are female or have a female with you ..wonder what is left?

QUESTION: If the AAA puts you on hold and they play music, what should I do?

ANSWER: 1)for REAL EMERGENCIES, let it play until you get a secretary or a control op shuts down the patch and makes the call for you, 2)lesser emergencies, press your mike button and repeat your call several times which blocks out the music while you are talking or keyed down, listen to see if there is still music, and repeat the sequence as often as needed to prevent the music from being heard, 3)turn off the patch and request that someone make the call from a home station where the music will not be heard over the air. MUSIC is an FCC and PARC NO NO. Club members have been making AAA third party calls for years and the FCC has never complained ..the only

difference now is that we use an autopatch which can be heard over 2,000 square miles of San Diego County.

The AAA suggests the following phone numbers for service:

Cardiff/Enc/Luc . . . 753-8917
 Carlsbad/Enc/Fall/LCosta/Ocsd/SM/
 VC/Vista . . . 945-7544
 Coronado . . . 435-9346
 ChulaV/Dul/ECaj/Harb/Alp/LMesa/
 National Cty/San Diego 668-0250
 DelMar/LJo1/Pow/RBer/RPen/RSFe/
 SD/MMesa/Solana Beach 672-3131
 Pendleton/Camp Pendleton 431-9330

The free 1-800-458-5972 number covering all of the eastern mountain and desert areas cannot presently be dialed from our autopatches. You will have to have someone dial it for you from their home QTH. We have DELETED ALL 800 numbers but if you really think it would be useful, we could program it into the VSTA patch so that you would only need one number for all of San Diego Co. You should be advised that they will probably not call direct for you but give you the nearest number you should be using for the area that you are traveling in.

When calling any towing service make sure you include 1)name and membership number, 2)make, model, year, color & license number, 3)exact location and nearest intersecting streets, & 4)nature of the problem.

In some cases it might be better to give this information to an amateur radio friend over the autopatch and have them do the calling since the time-out timer could get to you in 2-minutes before the call is completed ..and it gives the towing service a place to call back to ..so try to call a ham operator since they would be able to get back to you if any additional questions are asked. -SK-

The autopatches are for emergency use and for the passing of important information. They are not for chit-chat. Pass your message and GET OFF OF THE AUTOPATCH so someone with more important traffic will be able to use the system on one of the

other repeaters. From time to time during non-commute hours you may feel free to do a "demo" for someone interested in the autopatches or to run a "nothing" patch just to confirm that you know how to use the codes. If you don't use it, you loose it! -SK-

Please contact W9FQN with the information listed below which is needed to examine the possibilities of your using the autopatches with a special speed dialed number for automatic distribution while still allowing the system to function as it is at present. In emergencies it would be nice not having to look up the section (S) you are wanting to call.

Please send the following seven bits of info to your editor by phone, letter, evening traffic net, or hand it to him at meetings.

- 1--make of XCVR/HT _____
- 2--model of XCVR/HT _____
- 3--total phone memories _____
- 4--total digits/memory _____
- 5--store 0->9 in mem? Y / N
- 6--store A->D in mem? Y / N
- 7--store * # in mem? Y / N

Examples->

ALINCO,DJ-560HT,1, 16,Y,Y,Y

ALINCO,DJ-590, 4, 18,Y,Y,Y

Remember that 7-segment read-outs cannot show a "*" or a "#" but many have substitute characters for them. Your editor's transceivers show a "#" as three horizontal lines stacked one above the other or a capital "H", & the star(*) looks like a chair with no back legs or an upside down capital letter "A". You might have to try programming ABCD or *# into the memory to see if it can be done since some instruction books talk about the phone memories but don't mention if they also store ABCD or *#. Many rigs send A>D and *# but do not STORE them in memory. If we get enough responses, we will publish the results of our informal survey on auto-dial memories but only if we get two identical reports for the same xcvr. If it is possible for you to auto dial ABCD and *#, we might be able to institute a system that would allow you <direct> dialing into the autopatch system

without PARC "area codes" ..at least it is an idea worth exploring. -SK-

The buzzzz you hear on some of the autopatches is the military wide band radar which sometimes sweeps across our links during military training exercises and is more noticeable on 449.425 where it also sweeps across that repeater input. It usually is not a problem unless it is stronger than your signal or the link. Make sure that you have a strong 70cm signal. Keep your HT antenna vertical at all times. Move around to get the best received signal since that will probably give you the strongest signal to the repeater ..then stay put. Always stand with your HT between you and Palomar Mountain rather than placing SOME DENSE OBJECT between your HT and the repeater. If your signal is strong, it will "override" the radar. Remember, you are being hit hard by radar ON the repeater and ON the links but on 2m it is only on the links which makes it less of a problem since we usually have strong link signals. An HT on 449.425 + rubber duckie usually won't make it over the radar ..consider a better antenna and/or an amplifier.

NEW autopatch users (and OLD) are reminded of the proper SEQUENCE in making autopatch calls:

- *****
 1)"KD6ZZZ ACCESS AUTOPATCH"
 2)dial access code ->.....
 3)release P/T,get dial tone
 4)P/T & dial 7 digit number
 5)deliver your message, END
 6)"KD6ZZZ CLEAR PATCH," "#"

FORESAIL



Phone or send ads to Editor's QTH, W9FQN, (see Editor) 13da B4 next mtg with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are \$40/page to \$5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line.

MEMBER's FREE ADS are for the sale of their own used personal equipment, or for the sale of approved PARC Silent Key Estates

which must be so designated. Sale of new items or other items incidental to a commercial operation should be done through the purchase of a PARC paid ad with the exception of items offered by PARC.

NOTICE: the amateur dropping the tower, beam, and rotator off in my front yard should get hold of me immediately since I do not have all of the information and paper work necessary for it to be listed for sale - W9FQN.

(12-18) G6-144B 2m ant 6db unused orig box \$80: Mike WB6CSH 481 0720 Del Mar.

(12-15) HEATHKITS- xcvr HW-101 \$125 w/mic; HM-102 pwr meter \$25; monitor scope SB-620 \$50: Joel KM6XA 689 8438 SD.

(12-15) MFJ mod 207swr analyzer \$65; Cushcraft 11el 2m beam w/18' 2-sec mast \$25; Mosley CL33 tribander \$145; Radio Shack VHF-UHF mast-mount amplifier \$20; Simpson 269 VOM \$30: Duane AA6EE 789 3674 Ramona (we hope the RS amplifier doesn't key our repeaters!! Several RS TV amps have oscillated and kerschunked 146.73 from Escondido and San Marcos -Ed)

Radio and Test Equipment Repair

All Makes
Reasonable Rates

Lou de Beer
ND6W
(619) 437-8351

(12-14) ICOM IC-229H mobile 50w 20 memory ex \$275: Parviz KD6BCU 729-2145 Carlsbad.

(12-10) TS-520 xcvr w/MC-50 mic exc cond \$325; Yaesu FT-208R exc cond \$125: Lou ND6W 437-8351

Coronado.

(12-5) HUSTLER BT5BTV five band vertical trap antenna \$60: Mike KC6KCQ 742 1573 Palomar Mt.

(11-21) TRI-EX Twr W-36 free standing crank-up w/Fulton Load-Lok Winch Mod 935; CDE HAM II Rotor System; Atlas 350XL xcvr w/pwr 350PS and Digital Readout; Heathkit 1kw dummy load HN31 w/insulating oil; B&W Mod425 50-ohm harmonic filter: Gordon N6GW 222-5575 PtLoma.

(11-18) SINCLAIR Digital multimeter, Heathkit 3" single-trace O'scope, 32v@2A variable pwr supply, Heathkit digital electronics study course, Heathkit VTVM all at \$5 each: Erwin K6Z00 727-6489 San Marcos.

(10-26) New CUSHCRAFT A3S tri-bander beam w/1-743 add-on for 7/10MHz \$300; SWAN 1200Z linear amp 8950 tubes tunable 10-80m \$265; CUSHCRAFT 10-4CD 10m mono-beam w/15m used \$80*; ALLIANCE HD-73 Rotor & Control \$75*; TRI-EX 40' crankup twr w/base \$100; AUDIOVOX 6A pwr supply \$30 (* must take off tower): Tom N6LEZ 724 7542 VISTA.

(10-22) 3ea KENWOOD PB21 nicad battery packs \$12ea; Kenwood battery charger for Trio Kenwood xcvr \$5: Bernice N6WQR 433 0711 Oceanside.

HIGHWAY ELECTRONICS

All sorts electronic parts, some Frankenstein and some state of the art(-->92). Misc goodies ..ALL MUST GO GO GO! Ask for NICK, 10am to 3pm, call 967-7225 to see if open

305 WISCONSIN AVE
 OCEANSIDE, CA

(Pd.Ad) 93Callbooks: N.American, \$24.95; International, 24.95. Both 48.95. 93ARRL HANDBOOK 23.95. ARRL ANT. BOOK 18.95. Postpaid + 7.5%. Duane AA6EE, 16832 Whirlwind, Ramona, CA92065. Callbook retail 29.95. 789 3674.

(10-8) RG-8, new, 500' 20 cents/ft: Jim KA6OLZ 434 1391 Carlsbad.

(9-14) HENRY linear amp 3K-A 80-10m w/3-500Z heavy duty (military) \$850: Krist 941 3555 Vista.

(7-10) GEMINI 10x dot-matrix printer, Cardco Plus G interface, extra color ribbons \$95: Joe N6RV0 433 6885.

TUBES for sale ..all kinds ..all sizes ..part of PARC tube yard: Dave WA6HQM 753-2605 Encinitas.

WANTED

(12-15) OMC outboard motor 6 gal gas can for Evinrude or Johnston engin: Warren W6EYP 744-5097 San Marcos.

(10-16) PACKET NODE CONTROLLER for RS-232: Nash W6HCD 728 3574 Bonsall.

SWAP MEETS

OCEANSIDE: This is a new swap meet on the 2nd Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in 146.730. Buyers 50c and sellers \$13. If you are selling only a few items, you might want to double up with others to reduce your individual sellers cost. Be sure to not get caught in the right hand lane. Ham, Electronics & Computers are the SHORT line in the left hand lane. Keep to the left and drive back to where Larry-AB6LY has the PARC booth.

NEWS FLASH: The General Dynamics or CUCAMONGA SWAP MEET HAS FOLDED on the 2nd Saturday of the month so this is our opportunity to really move into the void. Lets really make an effort to attend the January and February meets and if you know of any hams in the Orange/LA area, contact Harry-WA6Y00 with their names and addresses so that we can send them swap meet information. The club profits from the Oceanside swap meet in various ways. Come to the January meeting to hear how the club and amateur radio profit.

The gang gathers for breakfast at Allies. Talk-in on 146.730.

- MEMBERSHIP -

Ralph-KC6WAN Vista 727-7415

The club is also selling PARC blue hats with the PARC logo on it

for \$5 and we are selling the commemorative 5cent stamp pins for \$5. See me at meetings. Sorry, but we are out of the PARC blue shirts. If there is enough interest, we will make up another order.

I would like to have you check your label after paying your dues to verify that your dues payment has been properly posted. Errors, if any, are more easily fixed sooner rather than later. Most members receive their SCOPE 5-6 days before the next club meeting.

Palomar Amateur Radio Club

Classes in April 93

Nov -> Tech -> Gen

Cost: probably \$15-20 or free to club members

Contact: Bill-WB6MCU

At the last Board meeting the board discussed making the dues \$12 for every new member that joins and not to pro-rate the dues till the end of the year (July 31st) for new members since we were having people sign-up for \$1-3 and then not renewing. Possibly they just wanted the autopatch access codes. The By-laws can be changed by the board and they will be voting on it at the January Board meeting. -SK-

Last July 31st membership stood at a record 601 and on December 10th it was 589 which means we should be well over 600 by July 1993. The graph of our membership is like a "saw tooth" oscillator peaking on July 31st and dropping on August 1st.

It should be noted that because of how our club year is defined, each year on August 1st we drop a large number of members but within a short time we are again setting new membership records. A lot of the drop is due to members forgetting to renew.

	Jul	Aug	Sep	Oct
	31	down	1st	1st
	83	270	-.?. .?.	199 209
	84	264	-154 110	159 174
	85	247	- 34 213	239 260
	86	344	- 79 265	275 296

87	360	-126	234	261	289
88	368	- 93	275	309	316
89	390	- 89	301	315	324
90	392	-.?. .?. .?. .?.			
91	448	- 70	378	404	430
92	601	-101	500	505	534

With a present membership of 592 (12-18-92) it looks as if we will reach 600 before the end of 1992. Any guesses for July 31st '93?

In 1991 FIVE CHANGES were instituted which resulted in more of the newer hams joining the club. Since 1990 PARC has shown a 50% increase in membership while most clubs are still holding their own or dropping in membership. Previous to '91 the club was an Old Timers (OT) club and a quick look at the roster now indicates that 29.6% of the club have "KC" and "KD" calls with very few "W" calls left. -SK-

RENEWED: KK6IL-John2yr N6ELP-Dee.

A SPECIAL THANKS to all those who renewed for more than one year allowing me more time for several important projects.

A SPECIAL WELCOME TO NEW MEMBERS: Danny O'Brien, Ann O'Brien, Steven Miller, KD6MVA-Bill(3yr), KD6ODK-Bill(3yr), John Davison(2yr), NOHCD-Dan, N6AFB-Bob, WB6AKM-Howard, KN6BN-Tom, W6CN-Bob, KD6DLN-Stan, N6DWF-Charles, KD6FMU-Harry, KD6GLH-Bruce, KD6GNA-Gerry, N6GNB-Al, N6GWJ-Micky, N6HY-Bob, KD6JUZ-Nick, WM6K-Lyle, KD6KGQ-Arlen, KD6KIR-Leon, KM6KQ-Tom, KM6KZ-Bob, KD6NMH-Gary, KD6NXA-Don, KD6ODK-Bill, KD6OOS-Earl, N6OZQ-Karla, WA6PLX-Larry, KD6QK-Harvey, N6SAN-Gene, N6USR-Greg, N6VBC-George, WA7ZXZ-Len
CHANGES: N5HTC-Chuck to 1543 Calle Vaquero, La Jolla 92037.

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

BADGES: PARC name badges are \$1ea - Contact John-W6OLQ at meetings or 672-3891 SD. The following badges (with notice

number) are ready for pickup at the next club meeting:

KD6EUP(2) KD6KHS(2) KM6LF(2)
 KD6LRA(2) KD6LUO(2) N6RGZ(2)
 WB6THH(2) KC6TLW(2) KC6UGQ(2)
 KU1Y(2) KA3ZYP(2)

Hurry! John might sell them to someone else! We would hate to see someone else wearing YOUR badge. If anyone knows these members and can get their badges to them, please see John at the next meeting.

TECHNICAL

GETTING A GOOD GROUND FOR UR SHACK #2, by Tim-N6ZUC

One way to lower the resistance is by driving multiple rods in the ground. This can work, but to be effective they need to be spaced 1.5 rod lengths apart. When your talking 10 foot rods, you can see to get the customary 3 rods in, takes some real estate. It's not practical! Even if you do use this method, you still have to deal with soil resistance that changes with moisture content.

Don't despair, there is an answer and it's called soil conditioning. The process involves "salting" the soil surrounding the electrode. This salting lowers the resistance of the soil and reduces the changes caused by varying moisture content.

The reduction of chages in soil resistance provides us with a proper electrical bond with earth. It also reduces the RF in the shack. RF floating around in the shack can cause all kinds of nasties. We'd like to keep it out of our connecting cables, TNC's, computer screen and not to mention the family TV. After all, prime time wrestling might be on. If you've never had an RF burn, let me assure they hurt and it doesn't take much to burn you either. The smell alone is enough to make you lose your dinner. Any resistance in your schack grounding can cause RF to radiate. That's another good reason to keep ground conductors as short and as large as possible. (The larger the conductor, the lower the resitance). When

you're dealing with RF, and ohm or tow can make a big difference.

Now the mechanics of this whole mess. Instead of driving a vertical rod into the ground, I prefere to use a horizontal rod. This requires the excavation of a 10 foot ditch, 1 foot wide and 3 feet deep.

Buy a few bags of peat moss and mix in a half dozen boxes of table salt. Pack in a foot of peat mix into the ditch. Make it fairly dense. Take a two inch OD piece of copper pipe 10 foot long and cap one end. Fill the pipe with rock salt and cap the other end.

Take your drill and drill holes up and down the full length of the pipe on 4 sides. These holes should be of smaller diameter than the grains of salt. Pack another foot of peat mix on top. Fill the remainder of the ditch with sand. The reason for the sand is to make it easier to dig up in a few years to replace the salt. Yep, that's the drawback to this sytem. It has to be recharged every couple years.

The horizontal rod should be connected with 1 inch copper pipe to the surface. I stress that all connections be made with silver solder. I prefer to use 15% Silfoss. It comes in sticks and can be purchased by the pound at your local welders supply. It does require at least a gas torch to use.

The rule of thumb I use for the size of conductor from ground to equipment is, 1 inch for each 50 foot distance. In the case of copper strap, I start with 2 inch and add an inch for eah 50 feet. Remember that these are minimum, and larger is always better. (continued next month)

- NEWS -



We are sorry to report the passing of Steve Kerwin-WA6CDU's wife in November. Steve has been doing the PARC auction for us the past few years. -SK-

Scott-KC6RWK just passed his general 13wpm code test and now has a general class ticket ..which goes to prove that almost any 3rd grader can get a general class license with

a little work. The FCC says that he is the youngest ham to obtain a general class license this year ..and only 8 years young. -SK-

It looks like Brian-KF6BL is off again with the Marines. This time its with his amateur radio set to Samalia. He hopes to be on the air from Samalia as soon as he is assigned to a duty station at the port of Mogadishu. His present plans call for him to be on 21.373 +-10kc at 7:30-9:30 am our time running phone patches. If you want to write to Brian or send him a Christmas card, use the following address:

Gunnery Sgt. Brian Donaldson

ATTEN: AC/S G-6

JQSVCBN, 1st FSSG

UIC 42313, Box 61

FPO AP 96610-0061

Bill-N6GJD (Good Jack Daniels) is visiting the area from Phoenix and always seems to have 146.73 programmed into his memories.

Jack-KI6JM is talking to Ralph-K6HAV in Japan on 21.325+-, 3pm Saturdays. Sometimes K6HAV is on the MARA net on 14.287 at 10pm Friday evenings. Ralph and Pat should be back in the states next June. -SK-

Dennis-N6KI has suggested that PARC have someone act as the club's QSL chairman or manager to send out W6NWG cards to those we work in Field Day and other contests. This would be an excellent opportunity for a newer ham to learn about the various awards that PARC can earn or for someone who is retired. Possibly WAS (worked all states) would be the first one to go after. PARC would furnish you with W6NWG QSL cards and stamps.

Members who participate in contests should send your editor where you placed after the results are published by the sponsoring organization. The SCOPE will then list the participants and winners in the SCOPE.

We would also be willing to publish a list of club members with the number of countries confirmed on phone/CW. Call or send the info to ur editor. -SK-

The Dayton Amateur Radio Association is now accepting

applications for its annual \$2,000 scholarships. Licensed amateurs graduating from high school in 1993 are eligible. Young amateurs in these scholarships should write to DARA SCHOLARSHIPS, 45 Cinnamon Ct., Springboro, Ohio 45066-1000.

Fried Heyn-WA6WZ0, ARRL Southwestern Director, has appointed Stan Rohrer-W9FQN from PARC as an assistant director for 1993-1994. Assistant directors act as liaison between the ARRL SW Director and PARC. -SK-

It was noted in the TRW newsletter, CROSSTALK, that the TRW ARC club placed first in 7A with 12,250 points and they were only 690 points from entering the top 10 in all categories. This was an improvement of about 3,500 points over previous years. PARC placed 1st in 5A with 13,422 points and 5th in the USA in all categories. -SK-

NiCads (nickel cadmium) batteries DO still have a memory problem that prevents them from accepting and holding a full charge if they are not completely depleted from time to time (taken down to 1v/cell). (PC/COMPUTING) -SK-

BATTERY ALERT - do not mix alkaline and carbon zinc batteries. This combination created a pressure explosion great enough to split and blow the end cap off an explosion-proof flashlight. (WORLD RADIO) -SK-

- N E T S -

ALL NET CONTROLS should modify their PREAMBLES:

ADD - Tue. Eve MARA net on 147.075

ADD Mon->Fri code net on 147.075

DROP - Wed. Eve code net on 146.730

S A M A L I A

O P E R A T I O N H O P E

THERE IS THE POSSIBILITY THAT THERE WILL BE MANY MARS "HEALTH & WELFARE" MESSAGES COMING OUT OF SAMALIA FROM OUR MARINES-ARMY-NAVY WHICH WILL REQUIRE MANY MORE OF OUR CLUB MEMBERS LISTENING TO THE 8PM TRAFFIC NET EACH EVENING TO HELP DISTRIBUTE THESE MESSAGES TO THEIR FAMILIES. MANY OF OUR 8PM TRAFFIC NETS LASTED OVER AN HOUR DURING THE "GULF WAR" SO WE ARE PROBABLY GOING TO NEED LOTS OF HELP DURING THE NEXT

3-4 MONTHS. PLEASE CHECK IN WHEN CHECK-INS ARE REQUESTED.

The evening San Diego Traffic Net (SDCTN) should feel free to use the 147.075 and the 147.130 repeaters for overflow traffic. MESSAGE TRAFFIC ALWAYS HAS PRIORITY on our repeaters.

If you are interested in becoming a part of the 8pm San Diego Co. Traffic Net (SDCTN), remember that you need to request EACH evening net control to add you to THEIR roster. Joe-N6RVO is still looking for stations that can work into the 146.820 repeater to the north of us to handle SCNV traffic. -SK-

The Palomar Amateur Radio Club supports the following nets with its repeaters located on Palomar Mountain. We will add additional nets if there is a demand for them by the amateur community.

146.730 NIGHTLY *****

MON. 1915 RACES N.C.Sub-Net

2000 S.Diego Co.Traffic Net

(except 1st Wed. club Mtg

Net managers::N6RVO/N6TJT

Mo-WA1ZEN,Tu-N6RVO,We-N6WVP

Th-W6EYP, F-N6TJT, Sa-N6NZX

Su-N6TEP

MON. 1915 RACES No. County

MON. 2100 Microwave, N6IZW

TUE. 2100 Pkt.Voice, KB5MU

THU. 2100 Ham Help, AB6LY

KK6IL, N6YMD, KC6UQH

KC6KCQ and others

SUN.0830 Emerg.Serv, W9FQN

KB6NMK, W6HCD,N6NZX,KB6NZA

WB6HFE,N6QQF,WA6UTQ,N6QJE

W6JSP,N6WEG,N6WEF

SUN.1000SAILING,W6QCA,AA6TR

SUN.2100 ARES Plan., K6DCG

147.075 NIGHTLY Mo->Fr *****

1900 Code, AB6LY NetManager

N6ZUC W9FQN N6NZX KB5MU

2015 TUE MARA: KE6VX & WV6Z

O T H E R N E T S *****

MON.1930 RACES on 147.195

NIGHTLY 1:30Z Maritime Net

28.313 So.Cal. Mark-AA6TR

SAT.CW practice,Larry-AB6LY

9am,1st meet 146.730(7.140)

Send updates to ur editor.

It now appears that there will be a 9pm Spanish training net on 146.730 starting the 2nd Wednesday in February and we are looking for net controls. Please contact W9FQN 749-0276 or on 146.730 if you can help.

See W9FQN for CW code disks for IBMs at meetings. -SK-

LETTERS to the EDITOR

Ur Ed & Board reserve the right to print letters and edit as needed.

In response to Bill Denton, NG6Z, letter (Sept.'92 SCOPE) ..I would like to offer some of my opinions. Mr. Denton has some good comments, however, I for one am obviously not as well versed as Mr. Denton on the correct procedures to be used while on the air ..he is correct in that many of the procedures used by us less educated amateurs are useless words, expressions and phrases and as he puts it, poor practices. At the same time, I for one, do not see any harm in what the majority of amateurs seem to be using. Yes, we all should try to improve and do better, but all of us must remember that this is a hobby to enjoy as well as a means of passing traffic, passing road information and handling emergency situations.

If one clears himself/herself from the repeater is that really a bad idea. Many of times I have jumped right in and have stepped on the user of the repeater when he/she immediately calls another station. By using the word "CLEAR" at least I know that at this point the repeater is clear and I can make a call without interfering with another person. Again, is the use of the word "BREAK" really so bad? Often times you can get the word "BREAK" in much quicker than your call sign. I for one would like to see most of us, including myself, to speak slower and pause during the "TURN OVER" so that another station can get in a call sign in, rather than the word "BREAK."

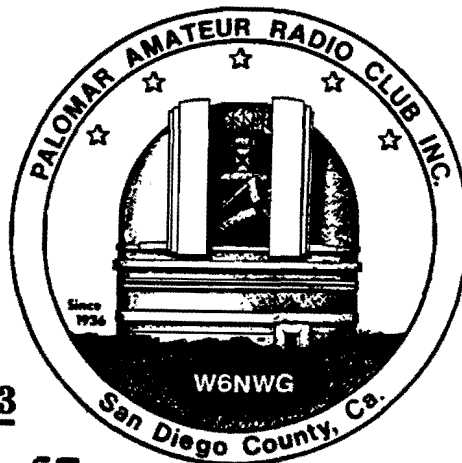
W6NWG W6NWG W6NWG W6NWG

Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073



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FEBRUARY **** 1993 ** 57 YRS

***** Volume XIX NO. 2

***** Published every month

An ARRL Special Service Club

February 4th Meeting THURSDAY

Coffee 7pm and Mtg. @ 7:30pm

Carlsbad Safety Ctr., Palomar

Airport road to Camino Real,

East on Faraday 1/4mi., left

to C.S. Ctr., T.B. pg 14,F6.

Talk in 146.730 / 147.130

PARC FREQUENCIES USED:

* = patches thru P.Mt. Rptrs.

Covering 2,000sq.mi. SDCo

** = patch, local VSTA/FBRK

%% = W6NWG, PARC, W16B-Ron

(107.2 Hz used for all PL's)

Load your memories with the

PARC frequencies listed:

145.050Pkt, W6NWG/"PALMAR"%%

146.175+, PL, Patch, Fallbrook

** WA6TPD, Art Rideout

146.520s, National Simplex

146.535s, Palomar ARC Simplex

also Simplex Repeater

146.730-, (*Patch-PL), P.Mt.%%

147.075+, PL, no patch, P.Mt.%%

147.130+, PL, *Patch, P.Mt.

KAGUAI, Erik Thompson

224.900-, PL, Palomar Mt.

WD6HFR, 220 Club of S.D.

METROLINK Pkt 9600 baud %%

446.000s, National Simplex

446.400-, *Patch, Kearny Mesa

Rpt/link to 147.13 KAGUAI

449.425-, PL, *Patch, P.Mt.%%

AUTOPATCH OUTLET CENTERS:

WB6FMT-Jerry, P.Mt.-> VSTA

W6Z-Del, P.Mt.-> MUSA

N6IZW-Kerry, P.Mt.-> MUSA

WA6TPD-Art, Fallbrook/FBRK

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***** CALENDAR *****

Feb 4 Thu. PARC Club Meeting

57th ANNIVERSARY MEETING

Feb 6 Sat. RACES Training Esc

Feb 11 Thu. Board Mtg. @ WA6V00

Feb 13 Sat. PARC VE Carlsbad

Feb 13 Oceanside Ham Supp Meet

Feb 14 Valentines Day 88's

NEXT CLUB MEETING

Art McBride-KC6UQH, VP and program chairman, has announced that the next club meeting will be a program by Terry Dupson-W6MKD who will show us a video of his latest Expedition to the South Sandwich Islands. Terry's adventures are always interesting and this one is no exception. See you there!

NOTE THAT THIS MEETING IS ON THURSDAY THE 4TH AND NOT WEDNESDAY THE 3RD BECAUSE OF A SCHEDULE CONFLICT.

THIS IS OUR 57TH ANNIVERSARY MEETING! We are probably the biggest-oldest general purpose club in the world ..or very close to it!

If you have any program ideas for 1993, please contact Art with your suggestions by phone or at club meetings.

SHOW and TELL will feature whatever you bring: Talk to Art-KC6UQH before the meeting starts to reserve a time slot for your SHOW & TELL item(s).

When you come to club meetings be sure to visit the station which is just across the hall from the meeting room. Ron-KM6MW is more than happy to give you a personal tour of the station.



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WANT to be a HAM?

(or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator and/or in joining PARC, please contact one of the ELMERS listed:

*** ELMERS ***

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CARDIFF, . WB6R, 753-4821

CHULA VISTA, N6RLV, 422-4415

ESCONDIDO ***** Harry Hodges

WA6V00, (PRESIDENT), 743-4212

La MESA, . N6ULW, 697-6025

LAKE SIDE, . WB6GXR, 561-2211

RAMONA, . . AA6ULI, 789-3070

SAN DIEGO, . N6KI, 271-6079

San Marcos, KC6WAN, Membership

(Ralph Powell 727-7415)

VISTA, . . KI6JM, 598-0420

Gordon West's 232 page Technician Class, NEW NO-CODE, license preparation book is carried at HRO and Radio Shack dealers for \$10. The Ameco books, Novice & Tech (#78.01=#27.01+#28.01) for the same total price, are EXCELLENT.

Prospective amateurs should be encouraged to purchase these book(s) immediately and start working on the multiple choice questions and answers. Mark the questions that you are having problems with and we will try to help you with those you don't understand. Come early to our meetings and see if you can get some of your more difficult questions answered before the meeting starts.

LAST CLUB MEETING

We had a great New Year's program with 78 members, 13 guests, for a total attendance of 91 which was very good for such a bad, rainy night. Our main program was John-

WR6J showing the video, THE LAST VOICE FROM KUWAIT. SHOW & TELL had Bill-KB6MCI showing the new 220 repeater being built for W6GIC, Ron-KM6SN with a 10 watt HF (30db) amplifier, Dennis-N6KI with comments on the club's QSL program and the Saturday Swap Meet and Chuck McGill who talked about a special Ham Radio cruise on the Princess Cruise Lines.

Art-KB6VHZ, Larry-AB6LY and Kay, again supervised the drink and goodie table. Members bringing in goodies were: Larry-AB6LY & Keiko, Dennis-N6KI, Bob-KC6VDX, Paul-N6TSC, Pat-KC6VVT, Mark-KC6ZRV, & Jerry-N6TCB. Missed last month was Orlando-N6QW who brought cake and cookies.

The goodies were great and you were rewarded with "1" participation ticket each (not per cookie)!

PRESIDENTIAL QRM

WA6YOO 2435 Our Country Rd
Escondido, 92029, 743-4212

These past few weeks have driven home the importance of Amateur Radio communication ability during periods of emergency. FCC Rules, Part 97.1(a) concerning the purpose of Amateur Radio deserves quotation here: "Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communications service, particularly with respect to providing EMERGENCY (emphasis mine) communications.

Unless you've been living in a cave you have seen the flooding and destruction in the county on local television. What you might not be aware of were the required evacuations to Red Cross shelters of mobile home residents, military families at Camp Pendleton, among others. Communications support by Amateur Radio operators to the Red Cross and other relief agencies was commendable. Many of the operators were members of PARC and our repeater, 146.73(-) was the focus of ARES communication. To quote a former TV cop: "You done good!"

Another subject: The San Diego County Traffic Net. This net meets nightly at 8:00 pm local on the

146.73(-) repeater. WE NEED TRAFFIC HANDLERS! I think everyone has time to check in at least once a week, listen for the traffic listings and if it will not cost you more than a 25 cent phone call, take a message and pass it on. Much of this traffic is from our servicemen and women to their loved ones. Try it, you'll like it!

73, Harry Hodges, WA6YOO

(or use the autopatch -Ed)

BOARD of DIRECTORS

PRESENT at board meeting -

Pres : Harry Hodges, WA6YOO

VP : Art McBride, KC6UQH

Sec : Mike Garrison, WH6CH

Treas: Benton Caldwell, KK6LX

RTech: John Kuivinen, WB6TQS

SCOPE: Stan Rohrer, W9FQN

MbrShp: Ralph Pawell, KC6UAN

- also present -

Consti: Jack Hanthorn, KI6JM

Others: Tim-N6ZUC (pkt)

--- STANDING COMMITTEES ---

BILLING, W6OLQ, John Tentor

672-3891 R. Penasquitos

BY-LAWS, KI6JM, Jack Hanthorn

598-0420, Vista

COFFEE(Mtg), KB6VHZ, Art Nye

758-0234, Vista

GOODIES(Mtg), AB6LY, Larry/Kay

Gugle, 439-4109, Oceanside

FCC VE Testing, AA6OM, Rusty

Nassie, 747-5872, Escondido

FIELD DAY, N6KI, Dennis

Vernacchia 271-6079 S.D.

GRAPHIC ARTS, KB6MMK, JoAshley

741-2560 Escondido

HEALTH/WELFARE, Eleanor Call

N6QJE, 729-0850, Carlsbad

HISTORIAN, KI6JM, Jack

Hanthorn 598-0420, Vista

INTERFERENCE, KB6MCI, Bill

Smith, 582-2313, San Diego

MEMBERSHIP, KC6UAN, Ralph

Pawell 727-7415, Vista

METALWORK-club, N6QW, Orlando

Vernacchia, San Diego

NETS/SINS, W9FQN, Stan Rohrer

749-0276, Valley Center

NEWSLETTER, W9FQN, Stan Rohrer

PICNIC, (open)

PROGRAMS, KC6UQH, Art McBride

741-8143, Escondido

PUBLIC RELATIONS, N6UW, Ellen

Utschig, 630-0950, Vista

QSLing W6NUG, KD6TVF, Jim Cook

757-5671, Oceanside

REPEATER SITE, W9FQN, Stan

REPEATER TECH, WB6TQS, John

Kuivinen, 724-8380, Vista

REPEATER 145.05, KB5MU, Paul

Williamson, 571-8585, SD

REPEATER 146.73, WB6TQS, John

REPEATER 147.075, KC6UQH, Art

McBride, 641-8143, Escondido

REPEATER 147.13, KA6UAI, Erik

Thompson, 436-5550, Encinitas

REPEATER METRO, KB5MU, Paul

REPEATER 449.425, KC6KQ, Mike

Doyle, 742-1573, Pal.Mt.

REPEATER PATCH, WB6FMT, Jerry

Hauser, 758-4388, Vista

REPEATER SIMPLEX, AB6LY, Larry

REPEATER POWER, KD6EBV, Dave

Tennant, 749-2907, VlyCtr

SELLERS TABLE, N6KI, Dennis

SD Co. TRAFFIC NET, N6RVO, Joe

Martina, 433-6885, Ocsd.

SANDARC REPRESENTATIVES -

Pri KB6MCI, Bill Smith

582-2313, S.D.

Pri WB6NBU, Bob Pace

693-4955, S.D.

Alt KI6VG, Frank Forrester

747-5515, Escondido

Alt WA6YOO, Harry Hodges

743-4212, Escondido

SCHOOL CLUBS, KI6VG, Frank

Forrester, 747-5515, Esc.

SOUTHWESTERN ASST. DIR. W9FQN

SWAP MEET, AB6LY-Larry Gugle

TRAINING, KB6MCI, Bill Smith

582-2313, San Diego

TRUSTEE W6NUG: WI6B, Ron

Wilhelmy, 756-3133, R.S.Fe

(Phone #'s are listed once)

Committee heads and members of committees serve until replaced by the President and his Board.

If we have missed anyone that has been appointed by WA6YOO or was appointed by W9FQN previously, please contact your editor so that the oversight can be corrected for the next listing.

Club members are invited to attend these meetings to observe the Board of directors in action ..or non-action ..es (and) get an activity pt for attending! Harry's brownies were especially tastee.

Palomar Amateur Radio Club Enlistment / Re-enlistment Application

AMATEUR CALL	CLASS OF LICENCE N T T+ G A E	
ARRL MEMBER Yes No	DATE FIRST LICENCED	
LAST NAME	OLD CALLS	
FIRST NAME	DATE OF BIRTH	
STREET ADDRESS	RACES	Yes No
	ARES	Yes No
CITY & STATE	RED FLAG	Yes No
ZIP CODE	BLOOD DONOR	BLOOD TYPE
HOME PHONE #	WORK OR OTHER PHONE #	
THOS. BROS. MAP LOCATION.	INTERESTS	
LICENCE EXPIRES	PARC FAMILY MEMBERS	

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to Ralph, KC6WAN at club meetings. We prefer checks to cash, it's safer and you have a record.

Dues (including Scope) are \$12 a year per person or \$21 for a family living at the same address.

Consider paying for two or three years at a time to reduce the work for the membership chairman.

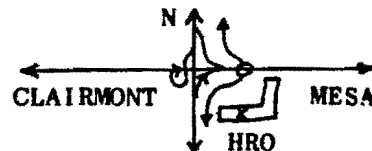
Call, name and complete address are required. Telephone number is requested but may be unlisted in roster if preferred. Other information may be omitted if you feel uncomfortable providing it to the club.

Comments: _____



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DISCUSSED: programs; K3PXX offer on SCOPE printing; \$1158 rpt fund; \$4436 General; \$2320 future yrs; budget about where it should be; swap meet; membership 610; RTTY rpt; 145.05 pkt freq busy.

APPROVED: \$200 crystals for various projects; \$200 wiring new building; changes to by-laws to be published next month; picnic on October 17th.

Please contact one of the above attendees for more information on the meeting.

NEWSLETTER HELPERS

for Dec. 1992 SCOPE
KT6JM, Jack Hanthorn, folding
QTH and refreshments
WA6YOO, Harry Hodges, staples
N6TCB, Jerry Carter, sorting
W9FQN, Stan Rohrer, Editor,
SCOPE printing, P.O. Forms
Could have used more help!!

- RECOGNITION -

ORLANDO VERNACCHIA-N6QJW for making HAND CRANKS for the two new emergency crankup towers which the club obtained from HIGHWAY ELECTRONICS.

RICHARD LUCINIO-WB6GAT, a friend of Mike-KC6KCO, for copying the contents of several chips to be used as reserves for several systems we have on Palomar Mt.

ELEANORE CALL-N6QJE for a PICTURE of Clint-W6OFT's first amateur station with 6' transmitter rack taken in 1938. (sometime I would like to publish some of the old photographs which the club has in its files. Eleanore also gave us Clint's QSL card for the QSL memorial display on Palomar Mountain at the repeater site.

JOHN FULTON-WR6J, ARRL Section Manager, for lots of info on the ARRL structure in San Diego Co. which will be published by the SCOPE in future issues.

JIM COOK-KD6IVF for consenting to take care of the W6NUG QSLing for Field Day and for contests.

BILL SMITH-KB6MCU for the HAM RADIO HUMOR book .there must be a message someplace with this gift to the Editor.

- EDITOR -

Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
(619)749-0276, 11:30am/9:45pm

HELP 1: The club tries to have "backups" to many of its systems and we are now feeling that Ralph-KC6UW needs some BACKUP. Ralph really does not need help but his ability to print out the address labels for the SCOPE might sometime be in jeopardy due to equipment or family problems. We need someone to act as BACKUP to Ralph who knows the IBM compatible (286 or better) and possibly some simple things in GW Basic. If Ralph had a problem, he would like to take the membership disk to someone's house to run off the SCOPE address labels or possibly someone who could come to his house and run off the labels. Please contact W9FQN or KC6UW if you can help in some way.

HELP 2: The SCOPE is costing the club about \$200+ each month and K3PXX has offered the club the use of his printing press which would probably reduce our printing costs to about \$50 per month .but it would require a crew of 2-3 dedicated amateurs who could spend three hours a month doing the printing. Doing our own printing would in effect give the club an income of \$150/month or \$1,800 per year .at least we would not be spending that amount. -SK-

HISTORY: The club newsletter, The SCOPE, is a written history of amateur radio in San Diego County as well as a history of club activities. The club maintains a file of past newsletters and sometimes they are researched to find out when certain things were done and who did them since not all club activities are covered in the club meeting or board minutes. Sometimes the SCOPE is our only source of knowledge as to what happened. This is the reason that some items are covered more completely than other items: especially things done at the repeater site and other important club activities.

The club maintains a 3-drawer file cabinet, presently at my QTH,

which contains files on club activities: minutes of meetings, committees, correspondence, etc. John-WB6IQS and crew maintain a log book at the repeater site on things that have been done to repeaters, antennas, feedlines, batteries, etc. -SK-

If anyone has suggestions for additions or changes to the SCOPE, please contact me or any BOARD member.

%%

- CLUB HISTORY -

%%

The Palomar Amateur Radio Club was founded 57 years ago in Escondido. The original members of the February 15th 1936 Palomar Amateur Radio Club (Inc. was added later) are listed below with known "SK" members marked with an "*" and those known to be alive have their present location listed:

W6 BGL Hank Junge
W6 BLL *Jack Williams
W6 BOS Art Stewart
W6 CHV Ralph Culbertson
W6 CVI Stan Estes
W6 CLT Walt Schroeder
W6 DBV *Douglas Nau
W6 ECP John Martin
(Solana Beach)
W6 EPM *Harold Ulmer
W6 FKT George Beal
W6 GVI Fred Elser
W6 JRQ Wal Huckabay
W6 LAP Bill Musgrove
W6 LFU Franklin Richter
W6 LKC Harry Field
(Fallbrook)
W6 MNO Jack Cornell
W6 MMZ John Trent
W6 NCU Walter Woods
W6 NDF Maurice Eckford
W6 NNH Jack Miller
W6 NUG *Mel Bacon
W6 NWI Bill Jago
W6 NXR Roy Williamson
W6 OFT *Clint Call
W6 OFV Vernon Choate
W6 OIQ Ernie Epler
W6 RB Roy Jenkins

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Loyal M. Hanson - W9WV
Fallbrook, California

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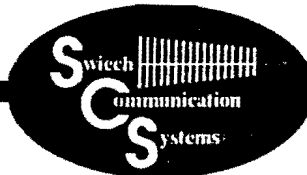
If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!



Radio systems installation, repair and removal, and interference resolution.

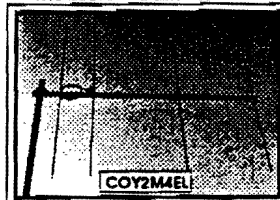
Edward Ross, N6GZI
542-1405

**Antenna
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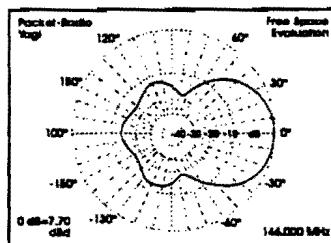


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Gene Swiech, WB9COY

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NU6L

If anyone can help us with who is "SK" or still alive and kicking, please pass the information to your editor.

From the estate of Bill-WB6TBQ we found a PALOMAR AMATEUR RADIO CLUB constitution (no "Inc.") dated November 14, 1977, where Section 5 (dues) had been modified 2-1-78.

We also found a PARC "Eleventh Birthday Party" ticket for Saturday evening, March 23rd, 1946 at 8pm at the Beach Hotel in Oceanside. Dinner was \$1.50, admission \$.83, and Federal Tax \$.17 for a total of \$2.50. From a picture of the event it looks as if OM's and YL's numbered about 90-100 people attending the birthday party.

The Palomar Amateur Radio Club Inc. has grown from 27 members in February 1936 to 601 members in July 31st, 1992, and 610 members in January 1993 making it one of the oldest and largest ARRL active affiliated clubs (not a repeater association) in the United States.

Below are listed some of the club officers of PARC as we have been able to determine by interviews, QST's, correspondence, and the club newsletters. If anyone can add to our knowledge, please contact us with the information that you have concerning the club. Duplicate years usually mean a change in officer (death?) or conflicting information and "?" marks indicate they held office but we are not sure of the date.

	Pres.	V-P	Sec	Treas
4	WA6Y00	KC6UQH	WH6CH	KK6LX
3	WA6Y00	KC6UQH	W6HCD	KK6LX
2	W9FQN	KI6JM	W6HCD	KK6LX
1	W9FQN	KI6JM	W6HCD	WI6B
1990				
9	W9FQN	NH6EW	W6HCD	WI6B
8	W9FQN	N6CKH	KB6NMK	WI6B
7	W9FQN	KB6QC	WF6L	WI6B
6	W9FQN	KB6DNR	WF6L	WI6B
5	W9FQN	KB6DNR	WF6L	W6OLQ
4	N6GZI	K6BPT	WB6TBQ	W6OLQ
3	N6GZI	-	-	-
3	N6DYO	N6GZI	WB6TBQ	W6OLQ
2	WA6WQI	W6DEY	WB6TBQ	W6OLQ
1	KD6BW	WB6HMY	WB6TBQ	K6SLA

0 WB6ZJZ WA6HPP WA6ZKC K6SLA
1980

9 WA6EJL WA6HPP WA6ZKC K6SLA
8 WA6EJL WA6HPP WB6AUK K6SLA
7 WA6KZN WA6WVX WA6AEZ K6SLA
6 WA6SCV WA6KZN WA6AEZ K6SLA
5 - - WA6AEZ -
5 WA6SCV WA6VYD WB6OZS K6SLA
4 WA6SCV WA6VYD W6ARN K6SLA
3 WA6SCV WA6EYX W6ARN K6SLA
2 W6DEY WA6NGZ WA6KZN K6SLA
1 W6DEY W6KGC WB6ERF K6SLA
0 W6NAT WA6KZN W6YZV WN6DXE
1970

9 K6HAV WB6PFO W6YZV WN6DXE
8 K6HAV K6SLA W6YZV WA6HYC
7 W6HLF W6LKC W6YZV WA6HYC
6 WB6IFH W6NDH W6YZV WA6HYC
5 WB6MMO - - -
5 W6BIF W6QHQ W6YZV K6JP
4 W6BLL WA6IFB W6YZV W6LKC
3 W6HAW W6CCE WA6RCS W6YZV
2 - - -
1 - - -
0 - - -

1960
9 W6NWI Mendel W6OH W6BLL
8 - - -
7 - - -
6 LonekeJones Donath Hulbert
5 - - - W6HAW W6BLL
4 - - -
3 W6HAW W6FJH Lanneke ->
2 W6KVB - - -
1 W6HLB? - - - W6ZLV W6ZLV
0 - - -

1950
9 - - -
8 - - -
7 W6VTV W6MI W6YZV W6LKC
6 W6APG W6MHL W6NDD W6LKC
5 BrownRoberta GilmourPenode
4 W A R ? - - -
3 W A R ? - - -
2 W6GGF W6DUP W6CHV Gilmour
1 W6LYF W6MHL W6APG W6SSF
0 Graham - - -

1940
9 W6PDH W6OUQ W6NCU W6CLT
9 W6PDH W6OUQ W6CLT W6NCU
8 W6JRQ W6DBV W6NDF - - -
7 W6JRQ - - -
7 W6DBV - - - W6OUQ - - -
6 W6DBV - - -
1930

If you know the calls of any of the names listed above, please send the calls to us.

According to Harry Field-W6LKC, one of the founding members of the club who now lives in Fallbrook (as reported by Jack Williams-W6BLL and Bob Heitzer-WA6KZN). Harry remembers some of the following historical items:

1) PARC was not too active from December 7th, 1941 until 1946. (we have reason to suspect some activity during the early war years. -Ed)

2) The PARC 1940 Field Day was from Mt. Soledad near La Jolla using the call W6BKZ.

3) On February 15th, 1940, PARC had their 5th annual Birthday Party in the American Legion Hall in La Jolla.

4) August 14th, 1940, PARC had their 5th annual Picnic which was held in Oceanside under the pier. W6LKC displayed a 28mc mobile for the public at the Pier.

5) February 15th, 1941, PARC had their 6th annual Birthday Party at the Beach Hotel in Oceanside.

EMERGENCY NEWS

EMERGENCY COMMUNICATIONS

ON 146.175 de WA6IPD

Art Rideout, WA6IPD, trustee of 146.175(+) reports that during the recent rains the community of DeLuz, north of Fallbrook, lost all power, telephones, water and all major roads were blocked by flooding. Only those with 4-wheel drive vehicles, making their own roads as they went, were able to get in and out. Many individuals left their DeLuz homes in the morning to go to work and found it impossible to return in the evening.

Many were concerned about the wives and children they left behind. Many were also concerned that their homes had not survived. Fortunately an amateur by the name of George Shippey, N6YMH, who lives in DeLuz activated his 2-meter station and began running emergency traffic via the Fallbrook Repeater autopatch, the only 2-meter repeater that can be access from DeLuz.

HAMMING ON THE LOVE BOAT

In just three short months twelve hams are going to be enjoying the unbelievable!

They are going to be operating a ham radio station aboard a sun drenched cruise ship - THE REGAL PRINCESS. They will ham between Fort Lauderdale, Princess Cays, Montego Bay, Grand Cayman, and Cozumel.

That's right, at sea, under way, doing what they enjoy most - hamming! The was all the brainchild of K0GHK in Omaha, Nebraska.

For Details on how you can be one of the twelve, call Joan at 619-673-8500 or their new toll free number of 1-800-795-0720.

CARMEL MOUNTAIN TRAVEL & PRINCESS CRUISE LINES

Regal Princess

Western Caribbean

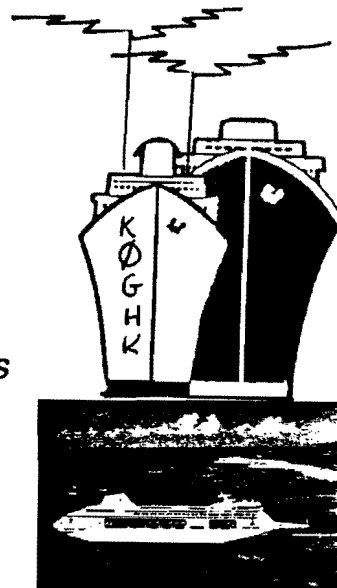
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EE	Outside-Emerald Deck	\$1995	\$1496
GG	Outside-Plaza Deck	\$1855	\$1391
H	Outside-Aloha Deck	\$1805	\$1354
I	Deluxe Inside-Dolphin Deck	\$1760	\$1320
J	Deluxe Inside-Emerald Deck	\$1695	\$1271
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Shortly, Marve Druskoff, K2VIV took control from the Fallbrook end and because of the volume of communications established his base of operations at the Fallbrook Fire Station. On the hour and sometimes on the half hour, communications were established with Shippey to confirm that loved ones were safe and that people on medication had adequate supplies. Where necessary, helicopters were directed in to provide necessary supplies.

Numerous other amateurs were involved with the emergency communications but Druskoff continuously manned his station for 72 hours handling communications originating from the Fallbrook Fire Department and the Sheriff's Station. -SK-

PARC would like to thank its membership for their "restrained" use of 146.730 during the recent rain emergency in San Diego County. A list of those who helped with ARES during the recent emergency will be published as soon as it is received from John-KI4EX, the ARES hancha for SD County. Our 146.730 repeater was on emergency 12VDC power for about 16 hours when Palomar Mountain lost 110vac power.



FORESAIL

Phone or send ads to Editor's QTH, W9FQN, (see Editor) 13da B4 next mtg with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are \$40/page to \$5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line.

NOTICE: the amateur dropping the tower, beam, and rotator off in my front yard should get hold of me immediately since I do not have all of the information and paper work necessary for it to be listed for sale - W9FQN. Notice #2.

(1-22) Kenwood 2m xcvs (1)Mod 785 (\$200) & (2)Mod 7950 (\$250ea) all w/PL/manuals: A1 N6GNB 741 1840 Escondido.

(1-20) Butternut HF-6V vertical 10-80m +WARC +radialkit \$100;

SWR/Wattmeter Palomar Electronics mod500 10-1000w \$20; ProComm software book \$10; Telex headphones \$5: Duane AA6EE 789 3674 Ramona.

(1-16) Commodore 64 computer like new (in box) \$50: Bill N6COU 758 7163 Ocsd.

(1-11) StyleWriter printer for the MAC, almost Lazer Quality for Matrix price \$350: Jo KB6NMK 741-2560 Escondido.

(1-5) ICOM-751A w/SM8 desk mic & 35A P.S. also UT-30 installed + HM-30 hand mike -mint in box \$1075: Allen N7AMR 434 5656 Carlsbad.

(12-18) G6-144B 2m ant 6db unused orig box \$80; ICOM IC24AT 2m/70cm large BP-85 1400mah battery \$400/offer: Mike WB6CSH 481 0720 DelMar.

(12-15) HEATHKITS- xcvr HW-101 \$125 w/mic; HM-102 pwr meter \$25; monitor scope SB-620 \$50: Joel KM6XA 689 8438 SD.

(12-14) ICOM IC-229H mobile 50w 20 memory ex \$275: Parviz KD6BCU 729-2145 Carlsbad.

HIGHWAY ELECTRONICS

Electronic parts: new, old military. ALL MUST GO GO GO! Ask for NICK, 10am to 3pm, call 967-7225 to see if open 305WISCONSIN AV OCEANSIDE CA

(12-10) TS-520 xcvr w/MC-50 mic exc cond \$325; Yaesu FT-208R exc cond \$125: Lou ND6W 437-8351 Coronado.

(11-18) SINCLAIR Digital multi-meter, Heathkit 3" single-trace O'scope, 32v02A variable pwr supply, Heathkit digital electronics study course, Heathkit VTVM all at \$5 each: Erwin K6Z00 727-6489 San Marcos.

(10-22)3ea KENWOOD PB21 nicad battery packs \$12ea; Kenwood battery charger for Trio Kenwood xcvr \$5: Bernice N6WQR 433 0711 Oceanside. 1993 CALLBOOKS. North American or International, \$24.95. Both 48.95. ARRL Handbook 23.95. ARRL Antenna Book \$17.95. Postpaid. Add CA tax. D. Heise, AA6EE, 16832 Whirlwind, Ramona 92065. 789-3674.

WANTED

(1-10) Kenwood TS-700A MANUAL or COPY: Dennis N6KI 271 6079 Mira Mesa.

(1-7) AMIGA OWNERS: ur Amiga is an ideal computer & if U need ham shareware or have some for exnag, contact: Bob KC6VDX 758-9078.

(12-15) OMC outboard motor 6 gal gas can for Evinrude or Johnston engine: Warren W6EYP 744-5097 San Marcos.

(10-16) PACKET NODE CONTROLLER for RS-232: Nash W6HCD 728 3574 Bonsall.

S W A P M E E T S / N E T S

OCEANSIDE: This is a new swap meet on the 2nd Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers \$13. If you are selling only a few items, you might want to double up with others to reduce your individual sellers cost. Be sure to not get caught in the right hand lane. Ham, Electronics & Computers are the SHORT line in the left hand lane. Keep to the left and drive back to where Larry-AB6LY has the PARC booth. This swap meet replaces the Cucamonga swap meet which folded last year.

- M E M B E R S H I P -

Ralph-KC6WAN Vista 727-7415

Well, we did it again. 1992 ended with over 598 members which is another record for a December 31st. We ended the club year on July 31st 1992 with 601 members (record) so July 31st 1993 (6 months away) from now should bring us up close to 650-700 members ..and another end of year record.

Membership as of 01-14-93 is 610 ..and counting. -SK-

Don't forget to invite your friends to become members of the club. Many members join ONLY because of the repeaters and the autopatches. Some like to participate in Field Day and other club programs. REMEMBER, you don't have to come to meetings to be a good club member. If someone you talk to on the air says that they

can't come to club meetings, just remind them that they are using one of the PARC repeaters ..and they don't work without a lot of tender loving care and financial help.

It is very interesting to note that 20 members are associates and do not yet have licenses. We hope that they are all studying their license manuals and coming to meetings to get some of their questions answered from those who have licenses already. PARC is planning on a class this Spring if you are really having a lot of problems with the questions on the exams.

The greater the number of amateurs that participate as club members, the greater our ability to provide more varied services. We have quite a few projects on the drawing boards. We only need amateurs interested in helping and money from dues to finance the projects.

We are one of the few clubs in the USA that can boast being 57 years old, the 5A winner (five transmitters operated simultaneously using only emergency power) in Field Day two years in a row, seven repeaters (soon to be eight), portable emergency equipment, Special Interest Nets (Microwave, Packet, Ham Help, and Spanish-March), emergency nets (3), traffic nets, VE program testing program each month, code nets Monday thru Friday, newsletter, four autopatches (soon to be 5) and fantastic club meetings. After looking at everything, one wonders how you can get so much for just \$12 per year. -SK-

The club is selling PARC blue hats with the PARC logo on it for \$5 and we are selling the commemorative 5c cent stamp pins for \$5. See me at meetings. Sorry, but we are out of the PARC blue shirts. If there is enough interest, we will make up another order. -SK-

I would like to have you check your label after paying your dues to verify that your dues payment has been properly posted. Errors, if any, are more easily fixed sooner rather than later. Most members

receive their SCOPE 5-6 days before the next club meeting. The SCOPE is mailed on a Tuesday afternoon, eight days before the club meeting.

Palomar Amateur Radio Club

Classes in April 93

Nov -> Tech -> Gen

Cost: probably \$15-20 or

free to club members

Contact: Bill-WB6MCU

582-2313 S.D.

RENEWED: KC6UQG-Chris NU6L-Joe(2yr) KB6VFZ-Alice(2yr)

A SPECIAL THANKS to all those who renewed for more than one year allowing me more time for several important projects.

A SPECIAL WELCOME TO NEW MEMBERS: KD6JII-Chuck(3yr) WT2Y-Hugh KD6FKJ-Kevin N6FSQ-Rita N6JHR-Sam KD6JXL-Susan KC6KFQ-Bill KD6KHL-David W6KOW-Dave KD6MKH-John KD6PTZ-Ken KD6QHF-Earl N8FVY-Bruce Fredric Smittle

CHANGES: N6WLX/8 is now receiving the SCOPE in Poland.

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ..and accept our apology for omitting your name in the newsletter.

BADGES: PARC name badges are \$1ea - Contact John-W6OLQ at meetings or 672-3891 SD. The following badges (with notice number) are ready for pickup at the next club meeting:

WB6CSH(1)	KD6EUP(3)	KD6KHS(3)
KM6LF(3)	KD6LRA(3)	KD6LUO(3)
WA6JXE(1)	WA6MYC(1)	N6RGZ(3)
N6RMM(1)	KC6TAY(1)	WB6THH(3)
KC6TLW(3)	N4TZK(1)	KC6UGQ(3)
KC6ZH(1)	KU1Y(3)	

Hurry! John might sell them to someone else! We would hate to see someone else wearing YOUR badge. If anyone knows these members and can get their badges to them, please see John at the next meeting.

- V E T E S T I N G -

(Rusty-AA6OM 747-5872)

FCC 610 forms available de Jo-KB6NMK at PARC meetings or de FCC office in Kearny Mesa, (4542 Ruffner Rd., San Diego) 467-0549. VE info call 465-EXAM. Requests with ur paperwork to be sent to SANDARC, POBox 2456, LaMesa CA 91943, 10da 84 test date.

N.Co.FCC LICENSE EXAMS by PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted.

Pat-KD6PZB received his license the day after Christmas ..after a 10 week wait!

EXAMINING NOV.TEAM: Bob-KE6VX, Jack-KI6JM, Paul-KB5MU, Sam-W6YYV, Mark-AA6TR, Bill-WA6HYC, & Rusty-AA6OM.

EXAMINING DEC.TEAM: Bob-KE6VX, Jack-KI6JM, Steve-N6RUV, Jack-AA6UQ, Lloyd-W6TFB, Duane-WB6R, ___?___-John, & Rusty-AA6OM.

Tested 5 (6el) with 3 passes.

Steve Miller none to TECH.

Harvey Kirk KC6SFM passed 3B.

A special session was held 12-15-92 at the Challenger Jr. H.S. with 16 tested for 22 elements resulting in 6 passing element #2:

John Smith	Phil Delaney
Ryan Wesolowski	Jared Allen
Jeremia Hood	Ryan McCollum

TEST TEAM WAS: WA6Y00, KI6JM, K6SK, and AA6OM.

JANUARY TESTING: Advanced->EXTRA Karl-KN6AL; Tech->GEN Dennis KC6QAY; Tech->TECH+ Kazar KD6HWI.

None->TECH: Leslie Dalton Jr, Ken Hoef, Larry Jehlen & Dewitt Orten.

EXAMINING JAN.TEAM: Paul-KB5MU, Bill-WA6HYC, Sam-W6YYV, Mark-AA6TR, Duane-WB6R, Jack->KI6JM & Bob-KE6VX.

There were 11 candidates for 16 elements with 12 passes.

73, Rusty-AA6OM, VE Team Leader

- N E W S -

PARC is looking for QSL CARDS sent to the club's call, W6NWG, so that we can start working towards DXCC and WAS. If you have any cards

from Field Day or other contests, please get them to a club officer or to JIM-KD6IVF at the next meeting. -SK-

Dale Sinner-W6IWO is the present editor of the RTTY JOURNAL and recently moved to the Fallbrook area. The subscription rate is \$16 for 10 issues and the Journal covers RTTY, AMTOR, Packet, PIAC-TOR, CLOVER, MSOs, hardware/software for the digital modes, plus technical articles. Contact Dale at 1904 Carolton Lane, Fallbrook CA 92024 for subscriptions/information. We hope that Dale will be able to act as our consultant on the new 146.7 RTTY repeater which should be up and running early this Spring. Dee-N6ELP, a PARC member, is the former Journal editor.

It now looks as if Brian-KF6BL/T5 who is with the Marines in SAMALIA is on 14.190-.195. He usually is on from 7-8am & 4pm looking for San Diego. Morning is long path & afternoon short path. He is looking for a SD RTTY contact.

If any club members have a packet interface with RTTY, please check to see if you can connect it up to your 2m xcvr. We hope to have a RTTY repeater on the air early this coming spring. -SK-

PAT-N6INN and RALPH-K6HAV should be returning from Japan to the Vista area sometime in early June for a while before taking off to Salt Lake City. -SK-

Many thanks to ELEANORE-N6QJE who brought in a picture and some old cards that CLINT-W6OFT had from years ago. Sometime we would like to publish some pictures of the "Good Ole Days." -SK-

Some CW instructors suggest that you should put in about 20 minutes of code practice each evening just before going to bed. Since it is about the last thing you do before sleeping, your brain sort of works on it all night. It has also been suggested that you should be listening ONLY to 20wpm tapes! You first start looking for "E", then "I", etc. picking up one letter at a time and writing it down each time you hear it. Copying code

should be like typing where you see the letter and your fingers automatically type the letter without any conscious thinking. -SK-

Members who participate in CONTESTS should send your editor where you placed after the results are published by the sponsoring organization. The SCOPE will then list the club members who participated and the club winners in the SCOPE.

We would also be willing to publish a list of club members with the number of countries confirmed on phone/CW. Call or send the info to ur editor. -SK-

The Mexican peso lost three zeros on January 1st with the NEW PESO equal to 1,000 current pesos. The new exchange rate will start at 3.17 (3,175) pesos/\$. -SK-

- N E T S -

EVERY CLUB MEMBER SHOULD CONSIDER MAKING UP A "MESSAGE" FOR THE 8PM TRAFFIC NET AND SENDING IT OUT SOMETIME DURING FEBRUARY OR MARCH. If at all possible, send it to someone in the San Diego Co. area although anywhere in the USA would be accepted. -SK-

EVENING CODE PRACTICE is on 147.075 Monday thru Friday at 7pm and is not on 146.730 on Wednesday evenings. Here is your opportunity to practice for the 5, 13, and 20wpm code tests given Saturday mornings. -SK-

We are now looking for net controls for a WEDNESDAY evening SPANISH NET to be held every 2nd Wednesday starting in March at 9pm on 146.730 or 147.075. The format will be somewhat similar to the rest of the SINS which are held at 9pm throughout the week. Topics covered from time to time will be: trips to TJ restaurants, ham radio words, verbs (present tense, infinitive, etc), numbers and letters, QSO format, how to order food, conversational practice, etc.

Barbara-KA6FPS or Stan-W9FQN will host the first net and we will be looking for volunteer net control stations for future Spanish nets. If any of you are native Spanish

speakers, please check into the net to help the non-native speakers with their pronunciation and choice of words.

If there is enough interest in the Spanish net, we will expand it to every Wednesday at 9pm. -SK-

Please remember the Thursday evening HAM HELP NET. If you have ANY QUESTIONS on amateur radio or would like to help with the answers, be sure to check into the net at 9pm on 146.73.

There has been some interest in starting a net for RULES and REGS plus TECHNICAL discussions. Larry-AB6LY is looking for net controls. -SK-

The evening San Diego Traffic Net (SDCTN) should feel free to use the 147.130 repeater for overflow traffic. MESSAGE TRAFFIC ALWAYS HAS PRIORITY over "chit-chat" on our repeaters.

Your editor received a very nice card thanking him for delivering a message which he picked up from the evening traffic net. Usually the thanks comes when the message is delivered. -SK-

The Palomar Amateur Radio Club supports the following nets with its repeaters located on Palomar Mountain. We will add additional nets if there is a demand for them by the amateur community.

146.730 NIGHTLY XXXXXXXXXXXX

MON. 1915 RACES N.C.Sub-Net
2000 S.Diego Co.Traffic Net
(except 1st Wed. club Mtg
Net managers::N6RVO/N6TJT
Mo-WA1ZEN,Tu-N6RVO,We-N6WVP
Th-W6EYP, F-N6TJT, Sa-N6NZX
Su-N6TEP

MON. 1915 RACES No. County
MON. 2100 Microwave, N6IZW
TUE. 2100 Pkt.Voice, KB5MU
WED. 2100 Spanish, KA6FPS
2nd and 4th Wednesday
THU. 2100 Ham Help, AB6LY
KK6IL, N6YMD, KC6UQH

KC6KCQ and others
SUN.0830 Emerg.Serv, W9FQN
KB6NMK, W6HCD,N6NZX,KB6NZA
WB6HFE,N6QQF,WA6UTQ,N6QJE
W6JSP,N6WEG,N6WEF
SUN.1000SAILING,W6QCA,AA6TR

SUN.2100 ARES Plan., K6DOG

147.075 NIGHTLY Mo->Fr %%%%

1900 Code, AB6LY NetManager

N6ZUC W9FQN N6NZX KB5MU

2015 TUE MARA: KE6VX & WV6Z

OTHER NETS %%%%

MON.1930 RACES on 147.195

NIGHTLY 1:30Z Maritime Net

28.313 So.Cal. Mark-AA6TR

Send updates to ur editor.

See W9FQN for CW code disks for IRMs at meetings. -SK-

%%

JOIN the ARRL
Membership + QST magazine

Dues: 65 and over

. 1 yr \$30 . . \$24 .

. 2 yr \$57 . . \$45 .

. 3 yr \$80 . . \$65 .

If you want life membership or you are 17 or younger, see QST. Club order # 1703
Name _____

St. _____

City _____ Call _____

State _____ Zip _____ + _____

American Radio Relay League

225MainSt,Newington,CT 06111

Please give your money to Ralph-KC6WAN at the next club meeting or send it to him at the club's address. PARC gets to keep \$2 of renewals and \$5 of new memberships when handled by the club.

%%

Anyone wishing to see the 1991 ARRL Annual Report should contact your editor before the meeting night.

#####

TECHNICAL

#####

GETTING A GOOD GROUND FOR

UR SHACK #3, by Tim-N6ZUC

A more practical approach to obtain a good ground for most people is to water drill a 10 foot piece of copper pipe into the ground vertically. Fittings to connect your garden hose to the pipe can be had at most hardware stores. The idea is to let the water drill a hole for you, rather than hammering the pipe

in. Depending on your soil, it usually works well. As you drill the pipe in you need to drill holes in the pipe every few inches, just as in the case of the horizontal electrode. Do it as you go, otherwise your going to get mighty wet. When the pipe is in, leaving a few inches above ground to work with, fill the pipe with rock salt and cap the pipe. Threaded works best as you can simply unscrew it to recharge the electrode. Again, silver solder you conductor to it.

There are other sytems, some practical for the average ham, others not. I may even devote a future artical to them. Anyway, I hope I have give you some ideas that may help you or at least cured your insomnia. In either case Ol' Doc Tim will have done his job.

Next time, I want to look at methods for protecting your valuable equipment from some of that garbage you receive on your power line.

REPEATER DO / DON'TS

DO: %%%

1. Pause from time to time to let others join ur QSO

2. Give ur call immediately & every 5 to 10 minutes.

3. Let the repeater drop out every 2-3 transmissions.

4. Go simplex if you are in simplex range.

5. Find an open NWG repeater to run your autopatch.

6. When a QSO is broken with - a call sign; let them in within 1-3 exchanges.

- BREAK + call;let them in within one exchange.

-BREAK BREAK + call; stop & turn freq over to BREAKER

THIS IS AN EMERGENCY BREAK

7. Use your call + MOBILE if you are using autopatch.

8. Monitor .730 & then move to .075 or .130

9. Run autopatches for other amateurs who really need it.

DON'T: %%%

1. Say,"(your call) for ID"

2. Use phonetics for your call all the time. It is

not your LEGAL call sign.

3. Call a station on the repeater 2-5 times in a row.

4. Tail gate transmissions so you can hear a BREAK.

5. Use: DAMN, HELL, etc. or suggestive language.

6. Reset the repeater while you are talking unless you are handling messages.

7. Conduct business with ur wife or someone else.

8. Mention where the rpters R located on FM.

9. Mention autopatch codes on the air.

FCC UPDATE

A North Carolina man has been hit with a \$2,000 fine for attempting to sell a non-type accepted Citizen's Band transceiver. (ARRL Ltr) -SK-

ARRL wants Novice privileges on the entire 222 MHz band and the Commission agrees. Deadline for comments is February 23, 1993. -SK-

ARRL is requesting the FCC to re-open CLUB CALL SIGNS requests. Its great we have been able to keep W6NWG throughout the years. -SK-

License applications can be obtained from the charming Public Affairs officer, June Butler, FCC Field Ops Bureau, 4542 Ruffner Suite 370, SD CA 92111-2216. Ph 467-0549.

SD.Co. AMATEUR sentenced for jamming a police channel. Eyman-KC6TYR, an amateur Technician class licensee, was sentenced to three years of supervised probation and 250 hours of community service for violating federal statutes in jamming a SDPD tactical operations radio channel. Eyman must deprogram and demodify all his amateur radio equipment to remove all public safety frequencies. Contact W9FQN for more info. (de FCC & ARRL letters) -SK-

Club members are reminded that they should refrain from asking the FCC to rule on questions that they might have: interference, what is legal, etc. These questions should be put to the ARRL for answers. History has shown that asking the FCC to rule on something could be

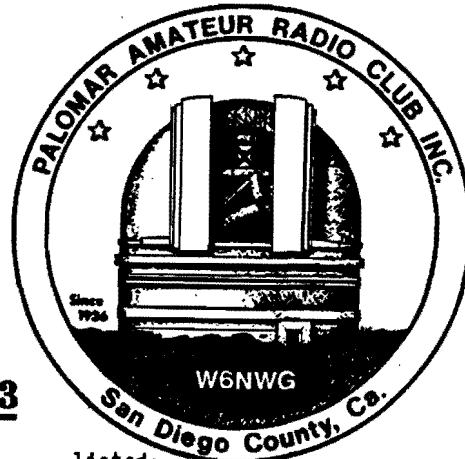
W6NWX W6NWX W6NWX W6NWX

Scope

W6NWX

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073



MARCH ***** 1993 ** 57 YRS

***** Volume XIX NO. 3

***** Published every month

An ARRL Special Service Club

WAS=..... WAC=..... DXCC=.....

March 3rd Meeting WEDNESDAY

Coffee 7pm and Mtg. @ 7:30pm

Carlsbad Safety Ctr., Palomar

Airport road to Camino Real,

East on Faraday 1/4mi, left

to C.S. Ctr., T.B. pg 14,F6.

Talk in 146.730 / 147.130

PARC Frequencies used:

* = PATCHes thru P.Mt.Rptrs.

Covering 2,000sq.mi.SDCo

** = PATCH, local VSTA/FBRK

%% = W6NWX, PARC, W16B-Ron

(107.2 Hz used for all PL's)

Load your memories with the

PARC frequencies listed:

145.050Pkt, W6NWX/"PALMAR"%%146.175+, PL, PATCH, Fallbrook

** W6IPD, Art Rideout

146.520s, National Simplex146.535s, Palomar ARC Simplex

also Simplex Repeater

146.700-, PL, RTTY, due Apr%%146.730-, (*PATCH-PL), P.Mt.%%147.075+, PL, no PATCH, P.Mt.%%147.130+, PL, *PATCH, P.Mt.

KA6UAI, Erik Thompson

224.900-, PL, Palomar Mt.

WD6HFR, 220 Club of S.D.

METROLINK Pkt 9600 baud %%

446.000s, National Simplex446.400-, *PATCH, Kearny Mesa

Rpt/link to 147.13 KA6UAI

449.425-, PL, *PATCH, P.Mt.%%

AUTOPATCH OUTLET CENTERS:

WB6FMT-VSTA; W6Z-MMSA

W6IPD-FBRK; N6IZW-LMSA

Amateur Radio Today

***** C A L E N D A R *****

Mar 3 Wed. PARC Club Meeting

Mar 7 Sun. Rpt. Techs @ W9FQW

Mar 11 Thu. Board Mtg. @ WA6Y00

Mar 13 Sat. PARC VE Carlsbad

Mar 13 Oceanside Ham Swap Meet

Apr 23 ARES Disaster Drill

Apr 24 RACES Disaster Drill

Apr 28 EAVC Disaster Drill

NEXT CLUB MEETING

Art McBride-KC6UQH, VP and program chairman, has announced that the next club meeting will be a program by the RACES organization in San Diego County with Ben Green, WD8CZP, being the speaker with visual aids. RACES staff will be available to answer questions at the break and after the meeting. They hope to have the RACES van available for inspection if they can find a class 2 driver. The program was coordinated with PARC thru Gerry Sandford, KC6BJM. Ron, KM6MW, will give the Police and Fire personnel a tour of the RACES station at the Safety Center at 4pm.

SHOW and TELL will feature whatever you bring: HT emergency supplies. Talk to Art-KC6UQH before the meeting starts to reserve a time slot for your SHOW & TELL item(s).

When you come to club meetings be sure to visit the station which is just across the hall from the meeting room. Ron-KM6MW is more than happy to give you a personal tour of the station.

WANT TO BE A HAM

(or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator and/or in joining PARC, please contact one of the ELMERS

listed:

ELMERS

CARDIFF, . WB6R, 753-4821

CHULA VISTA, N6RUV, 422-4415

ESCONDIDO ***** Harry Hodges

WA6Y00, (PRESIDENT), 743-4212

La MESA, . N6UW, 697-6025

LAKESIDE, . WB6GXR, 561-2211

RAMONA, . AA6UU, 789-3070

SAN DIEGO, . N6KI, 271-6079

\$an Marco\$, KC6WAN, Member \$hip

(Ralph Powell 727-7415)

VISTA, . KI6JM, 598-0420

Gordon West's 232 page Technician Class, NEW NO-CODE, license preparation book is carried at HRO and Radio Shack dealers for \$10. The Ameco books, Novice & Tech (\$78.01=\$27.01+\$28.01) for the same total price, are EXCELLENT.

Prospective amateurs should be encouraged to purchase these book(s) immediately and start working on the multiple choice questions and answers. Mark the questions that you are having problems with and we will try to help you with those you don't understand. Come early to our meetings and see if you can get some of your more difficult questions answered before the meeting starts.

LAST CLUB MEETING

We had a great New Year's program with 93 members, 21 guests, for a total attendance of 114. The program was by Terry Dubson-W6MKD showing a video on his recent DXpedition to the Sandwich Islands ..very impressive ..knee deep in guano ..inquisitive Penguins ..attacking seals ..and high winds destroying over half of their tents ..and 40,000 contacts in 14 days ..now that is really a FIELD DAY!

SHOW & TELL had Bill-KC6KFQ

showing his simplex autopatch system using a Motorola Micor that he converted to 2m, Mike-AB6QT (Quality Tech) demonstrating the new 146.73 repeater he built for the club which still needs a few more additions before replacing the old 146.73 machine, and Brian-KF6C showing his new HF computer controlled receiver ..his receivers are almost unbelievable!

Dennis-N6KI again had a table with junk and hard to find items with 10% going to the club. Of special interest was Bill-KC6KFQ who had a bunch of \$70 PL incodes-decode boards for sale at \$15/each.

Art-KB6YHZ, Larry-AB6LY and Kay, again supervised the drink and goodie table. Members bringing in goodies were: Jerry-N6TCB, Art-KA6DXH, Jim-N8NHY, Dick-KC6QBD, Paul-N6ISC, Barbara-KD6ECD, Larry-?, Bill-KM6PY, Eleanore-N6QJE, Larry-AB6LY, and ?-KD6PZB. The brownies, cookies, donuts, and cherry and coffee cake were rapidly munched by all.

The goodies were great and you were rewarded with "1" participation ticket each (not per cookie)!

PRESIDENTIAL QRM

WA6Y00 2435 Our Country Rd
Escondido, 92029, 743-4212

I would like to express my appreciation to Donald K. Allen, Administrator and CEO of Mesa Vista Hospital and Robert Dean, Assistant Administrator for their generous donation of surplus word processing and printing equipment. This equipment was sold at the February Oceanside Swap Meet to raise money for the Challenger J. High School Amateur Radio Club. Anyone wishing to loan or donate equipment can contact me or Frank Forrester, KI6YG. Greenstamps are always welcome. The next planned acquisition is a Two-Meter All Mode Transceiver. If you have one let us know.

Pet Peeve Number 1: Anyone who begins transmitting on HF without first asking if the frequency is in use. You might not hear a station transmitting, but a courteous "Is

this frequency in use please?" may get you a "Yes, thanks for asking" in response. Much better than calling a flock of CQs only to have some teed off Ham call you a 1id!

Pet Peeve Number 2: Anyone, trying to get every last watt out of the antenna, who tunes up right on the DX station's frequency, completely covering him up. Use a dummy load or a clear frequency 5 to 10KHz away. Believe me, the DX station won't hear the difference. Again, it is just a common courtesy to your fellow Hams.

I have other things that irritate me and I am sure you do too. If there is something that bugs you about Ham radio operating practices or whatever, talk to me at a club meeting or send me a note. We will try to air it out in the SCOPE.

The Club will be sponsoring classes for licensing of Hams from Novice through General Class. Classes will begin on Monday, April 5, 1993. Bill, KB6MCU is Senior Instructor. Put out he word!

73, Harry Hodges, WA6Y00

BOARD of D I R E C T O R S

PRESENT at board meeting -

Pres : Harry Hodges, WA6Y00

VP : Art Mc Bride, KC6UQH

Sec : Mike Garrison, WH6CH

Treas: Benton Caldwell, KK6LX

RTech: John Kuivinen, WB6IQS

SCOPE: Stan Rohrer, W9FQN

MbrShp: Ralph Powell, KC6WAN

- also present -

Consti: Jack Hanthorn, KI6JM

Others: Tim-W6ZUC (pkt) and

Bill-WB6MCU (training)

Visitors: Sybil-W6GIC

Club members are invited to attend these meetings to observe the Board of directors in action ..or non-action ..es (and) get an activity pt for attending! Harry's brownies were especially tasteee.

DISCUSSED: Newline re-broadcast request by KC6JXY; need for picnic chairman; re-broadcast of 147.13 on 40m swap net and DFing; finances in great shape, equip \$1,222, gen \$4,167 & pre-paid \$2,765; and things too rumored to mention.

APPROVED: changes to PARC brochure; picnic Sun Oct 17th; Ham Help net change to 147.075 Thur plus new Upgrade (theory) net on Wed all at 8pm starting March 1st; Repeater Tech meeting; programs; \$10 class fee or free if PARC member.

Please contact one of the above attendees for more information on the meeting.

NEWSLETTER HELPERS

for Jan. 1992 SCOPE

W6OLQ, John Tentor, billing

W6TFB, Lloyd Hunt, folding

KI6JM, Jack Hanthorn, folding

QTH and refreshments

KC6WAN, Ralph Powell, printing

of labels, Giant Computer

WA6Y00, Harry Hodges, staples

N6TCB, Jerry Carter, sorting

KB6YHZ, Art Nye, folding

KB6YHY, Anita Nye, labels

W9FQN, Stan Rohrer, Editor,

SCOPE printing, P.O. Forms

RECOGNITION

Bill Jago, K7MO (alias W6NWI de '36, and K6WC), who reported he was alive and well at 2265 Hugo Rd., Merlin, Oregon, 97532. Bill an original PARC club member reported that Stan Estes-W6CYI is a silent key along with Fred Elser-W6GVU, and Vernon Choate-W60FV.

Bill also noted that his FIRST EVER contact on the amateur bands was with --W6NWG!-- and sent along a June 25, 1936 QSL card from Mel Bacon-W6NWG to prove it. Mel must have used several cards over the years since this one had on it Oceanside, Calif. WHERE LIFE IS WORTH LIVING."

K7MO also sent along several QSL cards of charter members plus a picture of Lt. Col. Fred Elser-W6GVU (TA3GVU) receiving his DXCC award at ARRL Headquarters and a Collins radio ad (Sep '52) where Fred was touting his Collins 32V-1/75A-1 transmitter and receiver which he used in Turkey. -SK-

Don Waters for the donation of a clock board for the club's IBM computer which is to be used with the autopatch system. -SK-

Palomar Amateur Radio Club Enlistment / Re-enlistment Application

AMATEUR CALL	CLASS OF LICENCE N T T+ G A E	
ARRL MEMBER Yes No	DATE FIRST LICENCED	
LAST NAME	OLD CALLS	
FIRST NAME	DATE OF BIRTH	
STREET ADDRESS	RACES	Yes No
	ARES	Yes No
CITY & STATE	RED FLAG	Yes No
ZIP CODE	BLOOD DONOR	BLOOD TYPE
HOME PHONE #	WORK OR OTHER PHONE #	
THOS. BROS. MAP LOCATION.	INTERESTS	
LICENCE EXPIRES	PARC FAMILY MEMBERS	

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to Ralph, KC6WAN at club meetings. We prefer checks to cash, it's safer and you have a record.

Dues (including Scope) are \$12 a year per person or \$21 for a family living at the same address.

Consider paying for two or three years at a time to reduce the work for the membership chairman.

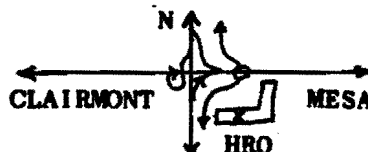
Call, name and complete address are required. Telephone number is requested but may be unlisted in roster if preferred. Other information may be omitted if you feel uncomfortable providing it to the club.

Comments: _____

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Monday thru Saturday

560-4900
or toll free 1-800-854-6046

5375 KEARNY VILLA ROAD, SAN DIEGO

Vic-N60YG, Bob McNally, and ??? for volunteering to help with the SCOPE printing project ..if the board decides to give it a try. -SK-

Art-KC6UQH for tracking down a STUCK transmitter on the 146.88 EARS repeater while Stan-W9FQN was giving a talk to the Fallbrook ARC on direction finding. Art also started looking for a stuck key on the 147.13 repeater only to have it disappear when a club member finished playing tennis in Valley Center. -SK-

Paul-KB5MU for taking several hours to make up a program to program 2732 chips with Morse Code and used it to program one of our spare chips. These chips are used in some of our repeaters and links. We usually program W6NWG/R or W6NWG/L1 for link frequency #1. -SK-

Mike-KD6LUK for several pages of the REPEATER LOCATION GUIDE which listed OPEN and CLOSED repeaters in the 2m band. It appears as though much of their information is incomplete or incorrect ..except for the frequency or call. Below are some of the other repeaters on the frequencies that we use:

146.700 PALOMAR MTN W6NWG 107.2 RTTY
146.700 CONTRACTOR'S POINT RTTY
146.700 BORREGO SPRINGS OPEN
146.700 NEWBERRY SPRINGS OPEN
146.700 SUN CITY, MENIFEE VLLY OPEN
146.700 TECATE 186.2 OPEN

146.730 PALOMAR MTN W6NWG OPEN
146.730 RIO HONDO PEAK OPEN
146.730 HAUSER PEAK 100.0 OPEN
146.730 BARSTOW OPEN
146.730 CONWAY SUMMIT, BRIDGEPT OPEN

147.075 PALOMAR MTN W6NWG 107.2 TEST
147.075 SUNSET RIDGE CLOSED

147.130 PALOMAR MTN KA6UAI 107.2 OPEN
The W6NWG 146.7 RTTY repeater will be activated this Spring when the new 146.73 repeater is completed.

Our 147.130 put up by Eric-KA6UAI was originally 147.735- and because of interference was reversed to 147.135+ ..and then to 147.130+ (not a standard split) to keep away from the SANDRA machine on 147.150.

Its really a credit to John-WB6IQS and technical crew that they are able to get so many 2m repeaters in the same building within 3' of each other and their antennas on the same tower withing 20' of each other. -SK-

Dennis-N6KI for magazines and information on repeater site grounding ..got a charge out of them. -SK-

Art-KC6UQH for info on a 50MHZ, 80 db demodulating logarithmic amplifier with limiter output ..now if we could find a use for it. -SK-

Earl-KD6QHF for information on a possible cheap source of OUT OF THIS WORLD COAX (very low loss) to be used at the club's repeater site. -SK-

Frank-N6WEF and Mary Lee-N6WEG for taking the PARC Sunday Emergency Service Net for December and January. We try to give training and practice to net control stations at least once each two years for a two month period. If anyone would like to "get some training", please contact Stan-W9FQN to secure a place in the rotation of net controls.

The following SESN members have exceptional attendance (check-ins):
N6NZX-271, KB6NZA-271, KK6OT-267, KB6NMK-262, W6JSP-262, N6PRC-255, W9FQN-234, WB6HFE-233, N6QJE-232, N6NAU-232, K6PD-222, KA6FPS-218, W6BHF-211, WB6HSZ-209, KE6BH-203, N6MYN-200, N6QQF-198, WA6KEY-198, N6GNB-171, N6GJW-171, KS6L-161, WA6UTQ-158, WA6WTZ-153, KF6QH-153, N6RVO-149, W6YYV-145, N6ELP-144, WA6HQM-142, W6HCD-128, N6WEG-126, N6WEF-126, N6ISC-122, W6OYCQ-120, KK6GO-118, WD6AHW-117, N6UWV-114.

Dennis-N6KI for providing your editor with more articals on interesting subjects and for going to the TRW Swap Meet to publicize and distribute discount tickets for sellers to the Oceanside Swap Meet which meets each 2nd Saturday morning at O'dark thirty. You all come! -SK-

Jo-KB6MNK for her re-doing the PARC brochure and starting work on the PARC "business card" and the new PARC general purpose QSL card. -SK-

Henry-W6OYCQ for SSB net infor-

mation. -SK-

- E D I T O R -



Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
(619)749-0276, 11:30am/9:45pm

All repeater/autopatch Techs will meet at the QTH of W9FQN for the purpose of COORDINATION, PLANNING, BRAIN STORMING, DREAMING, ...and ACTION: WB6IQS, KC6UQH, AB6QT, KA6UAI, N6ZUC, KB5MU, AB6LY, KD6EBY, KC6KFQ, and any club officers wishing to attend. Meeting will start at 1:15pm. -SK-

Vice president Art-KC6UQH is looking for someone to be chairman of the club picnic which we hold after the beginning of the new club year in August. Art has been spending a lot of time working on club projects at the repeater site and needs to be relieved of some of the duties he has been doing in the past. The picnic chairman needs to reserve the park, see that the proper notices are placed in the SCOPE, and that the potluck runs smoothly. -SK-

Larry-AB6LY has called my attention to the fact that under last month's DO/DON'Ts that the statement "IT IS NOT YOUR LEGAL CALL SIGN" is incorrect. He reminded me that the FCC under 97.119.b.3 states that the use of phonetics with your call IS A LEGAL CALL SIGN. I think that the point being made was that your FM transmissions are much clearer than on 20 SSB and that phonetics are really not needed ..especially on 2m or 70cm when it is someone you know and talk to every day! Thanks Larry for reading EVERYTHING.

All of which brings up another subject. Some users of the autopatch system are saying their call sooo fast and sooo unclearly that control operators cannot verify that the user is a club member ..or a bonified amateur. We are almost to the point of suggesting that you either speak more slowly or that we insist you use accepted phonetics (Alpha Bravo, etc) on everything <after> the number in your call. For EXAMPLE (W9FQN): W9 Foxtrot Quebec

November ACCESS PATCH and closing the patch with W9 Foxtrot Quebec November CLEAR PATCH "#". Club members should have no objection to giving their calls phonetically while "intruders" will be more reluctant to do so. In this way control operators would be "alerted" to intruders on the autopatch system immediately since they would be afraid to use phonetics.

Control operators, starting on April 1st (no fooling), will start turning off any AUTOPATCH where they cannot identify or recognize the call letters of the person using the patch. At present when a control operator TURNS OFF the autopatch system, you cannot access the autopatch system ON ANY repeater for three minutes AFTER the control operator turns the system back on. This has to do with the resetting of all of the time-out timers. This problem has been corrected on the next phase of the autopatch system that is being worked on. -SK-

There are many hams using our main repeaters who are not club members: 146.730, 147.075, 147.13, and 449.425. We operate "open" repeaters but as the Amateur Radio Relay League says, "repeaters cost money and time" so those who use them should feel an obligation to contribute to their operation. Invite these users to meetings and also pick up their addresses so that I can send them a free SCOPE. Many times you can check on their membership by asking if they saw something in the newsletter. Our dues of \$12 are the cheapest thing going for a general purpose club with eight repeaters available for club members to use (soon to be nine). The larger the membership the more resources we have available for service to our members.

Of course, this would not all be possible without the dedication of such a large number of club members who participate in the many activities of the club. -SK-

- A U T O P A T C H E S -
de W 9 F Q N

New members should request an

AUTOPATCH INFORMATION SHEET describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY. Present access codes are listed on ur address label ..but YOU WILL NEED AN INFO SHEET on how to use the rpttr codes. -SK-

I ran out of sheets at the February meeting but will have more with me at the March meeting.

Since the heavy rains, the VSTA (Vista) arm of the patch system appears to be having path problems. We have always had a marginal link system into Vista since the VSTA arm is located at Jerry-WB6FMT's QTH where he does not have a clear shot at Palomar Mountain. A loss of 3-6db due to wet ground, wet or snow on trees, is just enough to about kill the marginal path to Palomar Mountain. If anyone in the Vista area has a clear shot at P.Mt. and would be willing to let us install the system in your house or garage, please contact Jerry-WB6FMT or your editor, W9FQN (749-0276). We already have one location picked out but would welcome a better location.

PARC would need to install two small beams spaced vertically by about 10-15', a small cabinet (8x19x30") space, a phone line covering the same VSTA area as we presently do, and you would need to change the tape on the tape recorder every 2-3 weeks. Anyone volunteer a QTH? PARC pays for the electricity and the phone. -SK-

EMERGENCY INFORMATION

EMERGENCY COMMUNICATIONS are defined as a sudden, generally unexpected occurrence or set of circumstances requiring an immediate system for sending and receiving information for the purpose of saving life, preventing injury to persons or property, and to implement recovery procedures to overcome the effects of a natural or man-caused incident, accident, or disaster.

Remember that suspicious activity is different than a crime in progress.

To Report
A CRIME IN
P R O G R E S S
Dial 9 - 1 - 1

Describe your emergency briefly. Do not hang up until directed to do so by the dispatcher. Remember to "update" the timeout timers with an "A" from your keypad every 60 seconds.

To Report
S U S P I C I O U S
A C T I V I T Y
or a NON-EMERGENCY
Dial 5 6 5 - 5 2 0 0

This phone number is in section number "3" and cannot be accessed from the other two autopatch sections. To remember the phone number, think of 146.520 the simplex frequency and from that you might be able to find some way to think of the non-emergency number ..if you can't write it down someplace. -SK-

Over the next few months, ARES groups will exercise emergency communications through the County Earthquake Exercise scheduled for 23 April 93 and a National Security related exercise in Chula Vista scheduled for 08 July.

The ARESN net (ARES CW) has its origins in early-day cw nets. Their goal is to train and maintain a cadre of cw operators capable of operating a primary traffic outlet during state-wide or section emergencies. Traffic manager is Warren, KT6A, and they meet every Sunday at 0930 on 3720 KHz. (ARES Newsletter Dec92) -SK-

PARC members participating in emergency operations are reminded that it is possible to buy large magnet EMERGENCY signs 8"x19". Mine read:

A M A T E U R
R A D I O
W 9 F Q N K A 6 F P S
C O M M U N I C A T I O N S

There is a space between RADIO and COMMUNICATIONS and that is where I added our call letters with black stick-on letters.

These signs also have the ARRL ARES circle logo on them too. Their cost is was about \$15 for a set of

two and can be bought at SIGN Center in North Park (SD) (298-1102). Your editor will bring a sample to the March club meeting.

These magentic signs along with your FCC license and PARC cap with badge will usually get your car through most "road blocks" to your ARES assigned possitions.

If any representative of the below listed organizations would like to suggest "re-writes" of the below organization descriptions, please contact the Editor so we can "get it right."

ARES INFO

ARRL:SecMgr John Fulton WR6J

Ramona, 788-0824

ARES:John-KI4EX 292-1432 SEC

...Paul-KD6ACW 562-2421 Ast

...? (vacant) ?...-.... N

...Jack-W00DLW 728-0258 TRI

...Dennis-K7DCG 748-0258 NE

...Dick-KF6KE 462-2771 E

...Al-W6WYN 278-2826 CTR

...?(call KI4EX)?...-...? S

Emergencies on 146.730 with overflow on 147.075/147.130

Nets: 146.730 Sunday

PARC Emg. Info 8:30 am

N/NE/Ctr Co.ARES 9:00 pm

ARES stands for Amateur Radio Emergency Service and handles all types of emergency traffic not normally handled by other organizations. Communications are provided to: Fire units, local police & fire, health & welfare messages, and as requested by ARES.

The ARES organization holds a pancake breakfast at the Normal Heights church at 8am the 2nd Saturday of each month with the meeting starting at 9am and is located at 4650 Mansfield (805>Adams>Mansfield) Thomas Brothers 61A2. Everyone is welcome.

Since the 146.730 repeater has been designated for ARES use, ARES does not need permission to operate during emergencies but needs to ask permission for drills so that the use of the repeater is properly scheduled.

For more information contact the nearest ARES official above whose section you reside in.

RACES INFO

WD8CZP Ben Green Chief Radio Off.

KC6BJM Gerry Sandford Dep. " Off.

Del Mar, 755-5244

WD6APP Chuck Wood Tec. Radio Off.

WA2NNT SteveSimek DR0-Ops&Logist.

Southern - KE6VB - Bob McDonald

Metro - N6HHM - Robert Armour

Coastal - N6URW - John Tyler Jr.

Northern - N6GNB - Al Fahrenstock

Eastern - N6FSQ - Rita Cook

Ranchita, 782-3545

EmergNet: Mon 7:300pm on 147.195+

Overflow on 147.130+ PL107.2

STATION MANAGERS -

Ellen N6UWW 630-0950 Vista

Al N6GNB 741-1840 Escon

(Net N.Co, Mon @ 7:15pm 146.73)

There are about 30 RACES nets!

RACES stands for Radio Amateur Communications Emergency Service and is amateur radio's official link with local governments and agencies.

RACES meetings are held the first Monday evening of each month at 7:30pm in the Sheriff's Communications Center, Bldg.12, Chesapeake Dr, SD.

Participants are covered by Workman's Compensation during periods of official duty. Contact Gerry at 755-5244 for more information.

RACES and EVAC are designated as the prime users of 147.130 during emergencies and need not ask for permission to use the repeater. Drills should be coordinated with PARC.

- R E D F L A G -

North County Patrols on 146.730

Sun 0830 current announcements

W6HCD Nash Williams 728-3574

Red Flag which operates in conjunction with the California Department of Forestry patrols back country roads under conditions of summer Santa Anna winds and low humidity to look for fires (white or black smoke) and suspicious vehicles or groups of people.

Participants are covered by workman's comp and receive gas milage allowances during periods of duty. Contact Nash for more information.

RED FLAG uses 146.730 during

patrol periods.

- E V A C -

EVAC: Scottie-KH6TL, Director

EVAC Communications @ SD EOC

Ph.727-8836, 147.030(+)

WINGS - (directors of Comm.)

PALOMAR, Mark, KC6CZ0 739-1533

Deputy, Bud KG6VX 436-9983

146.520, 147.130(+)

RAMONA, Andy, WA6QQW 789-4214

Deputy, Pat, KD6DPJ 789-1073

147.550, 145.300(-)

BROWNfd, Pete, KC6VEP, 421-9289

Dep., Jerry, WA6KIN, 423-0972

146.550, 147.060(+)

EVAC stands for Emergency Volunteer Air Corps which allows amateur radio to be aboard emergency observation planes to assess damage from the air and to ferry emergency equipment and personnel quickly from one location to another to assist the county EOC in damage assessment.

Participants are covered by workman's comp during official periods of duty. Contact Scottie or the nearest organization to your location.

EVAC and RACES have been designated as prime users of 147.13 during emergencies and do not need permission to use the repeater. Drills should be coordinated with PARC.

- M A R A -

MARA: Del-WY6Z & Bob-KG6VX

Phone: 695-4790 / 727-0606

Net: 8:15pm Tuesday Evenings

Emergencies on 147.075

MARA is the Mercury Amateur Radio Association and is concerned with emergency communications especially in the area damage reporting and emergency relief supplies. They also support ARES, RACES, EVAC, and the Red Cross when requested to do so.

MARA has been designated as the prime user of 147.075 during emergencies and needs not ask for permission to use the repeater. Drills should be coordinated through PARC. Overflow traffic from RACES, EVAC, and ARES could use the repeater on a secondary basis.

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Loyal M. Hanson - W9WV
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KI6GI



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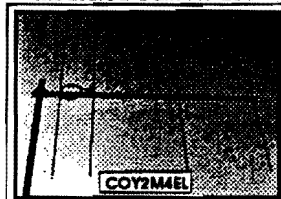
542-1405

**Antenna
Specialties**

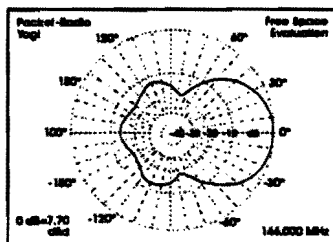


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(619) 748-2286

Gene Swiech, WB9COY

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NU6L

Contact Del or Bob for more information.

- A R R L -

Section Level:

Section Manager John Fulton WR6J
788-0824

Sec Emerg Cor. John Cline KI4EX
292-1432

Sec Traffic Mgr Warren KT6A
422-6285

Bulletin Mgr Bill K1CT
565-2689

Tech Coordinator Del Radiant N6JZE
279-7692

Public Info Cor. Rich KD6BF0
560-6109

Affiliated Club Coordinator Vacant

Official Observer Coordinator Vacant

District Emergency Coordinators:

Central Dist (San Diego) Al W6WYN
278-2826

Eastern Dist Richard KF6KE
462-2771

Southern Dist Vacant

N.Eastern Dist Dennis K7DCG
748-9046

Northern District Vacant

Tri-City District Jack WD0DLW
728-0258

Program Coordinators/Special Ass. SEC

Sect EMS Coordinator Bob W6BVU
578-0744

Red Cross Corrdinator George KC6QIF
566-8887

ARES/RACES Coordinator Bruce WB6DNT
566-8304

ARES/REACT Coordinator Skip N6IIM
232-6028

CDF VIP Program Cor. Paul KD6ACW
562-2421

SANDARC VEC Coordinator Harley K6DS
465-3926

Civil Air Patrol Cor. Bob KI6MP
450-0357

Salvation Army Cor. Paul N6RPF
563-8414



FORESAIL

Yawl ketch on?

Phone or send ads to Editor's QTH, W9FQN, (see Editor) 13da B4 next mtg with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are

\$40/page to \$5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line.

MEMBER's FREE ADS are for the sale of their own used personal equipment, or for the sale of approved PARC Silent Key Estates which must be so designated. Sale of new items or other items incidental to a commercial operation should be done through the purchase of a PARC paid ad with the exception of items offered by PARC.

SILENT KEY's ESTATES: A club member is appointed by the PARC executive committee to handle each individual station with initial contact by Eleanore, N6QJE, & pricing of equipment headed by Dennis, N6KI. Announcements of Silent Keys (SK) in the SCOPE is done only after contact with the family.

SELLING (last notice) the 54' heavy duty crank up tower dropped off in my front yard. I am SELLING THE TOWER. Club members 1st. - W9FQN. Notice #3 after 6 months of looking for the owner!

(2-18) Drafting table 32x60" tilt, 4 drawers, stool \$75; drafting supplies, templates, etc offer; HP48SX Sci/Eng calculator (computer) \$200; TI-58, TI-59 calculator accessories, books, paper, surveying, electronics offer: John WB6IQS 724-8380 Vista.

(2-17) Kenwood TS-440S with antenna tuner \$900; AEA Packratt PK-232 \$150; Bryan WB6TJN 598-6323 Vista.

(2-4) 66-144B 2m ant 6db unused orig box \$100; ICDM IC-24AT 2m/70cm HT, large BP-84S 1400maHr battery, BP-82 300maHr, wall charger, \$400/offer: Mike WB6CSH 481 0770 DelMar. NOTE THAT THE PHONE NUMBER IS NOW CORRECT!

(2-25) ICOM-735 HF XCVR \$700; LK-500ZC HF Amplifier \$800: Bob 941 2824 Vista.

(1-22) Kenwood 2m xcvs (1) Mod 785 (\$200) & (2) Mod 7950 (\$250ea) all w/PL/manuals: Al N6GNB 741 1840 Escondido.

(1-20) Butternut HF-6V vertical 10-80m +WARC near new cond \$95;

Bencher YA-1 Low-pass Filter \$30; TS-820S service manual \$10: Duane AA6EE 789 3674 Ramona.

(1-16) Commodore 64 computer like new (in box) \$50: Bill N6COU 758 7163 Ocsd.

(1-11) StyleWriter printer for the MAC, almost Lazer Quality for Matrix price \$350: Jo KB6NMK 741-2560 Escondido.

(12-15) HEATHKITS- xcvr HW-101 \$125 w/mic; HM-102 pwr meter \$25; monitor scope SB-620 \$50: Joel KM6XA 689 8438 SD.

HIGHWAY ELECTRONICS: parts, (new/old), military. Ask 4NICK 967-7225 2 C if open (10-3pm)
305 WISCONSIN AV. OCEANSIDE CA

(12-10) TS-520 xcvr w/MC-50 mic exc cond \$325; Yaesu FT-208R exc cond \$125: Lou ND6W 437-8351 Coronado.

(11-18) SINCLAIR Digital multi-meter, Heathkit 3" single-trace O'scope, 32v@2A variable pwr supply, Heathkit digital electronics study course, Heathkit VTVM all at \$5 each: Erwin K6Z00 727-6489 San Marcos.

(10-22) 3ea KENWOOD PB21 nicad battery packs \$12ea; Kenwood battery charger for Trio Kenwood xcvr \$5: Bernice N6WQR 433 0711 Oceanside.

1993 CALLBOOKS. North American or International, \$24.95. Both 48.95. ARRL Handbook 22.95. ARRL Antenna Book \$17.95. Plus tax. Call Duane, 789-3674. (Callbook retail \$29.95) (10-8) RG-8, new, 500' 20 cents/ft: Jim KA6OLZ 434 1391 Carlsbad.

TUBES for sale ..all kinds ..all sizes ..part of PARC tube yard: Dave WA6HQM 753-2605 Encinitas.

WANTED

a few good men

PARC WANTED LIST:

1) Tape recorder for autopatch system ..11/16 or 1 7/8 ips ..stereo ..present recorder has too much woowow ..we are sometimes having problems decoding the telephone numbers from the one we are using now.

2) address of INTERNATIONAL PAPER.

3) CARGO CONTAINER for repeater site. Looking for something under \$2K ..if

possible.

4)CAMPER to fit light duty trucks. This would be used for Field Day and Emergencies so it needs to be high enough for us to put a table in it for several operators ..but nothing fancy.

5)PIPE 2'-3', OD 1-2.5" for Field Day pole stands.

6)DOWNLOAD of PT80.CMD, binary, 21760 bytes, packet-radio terminal program from CompuServe's HamNet library 9. Also we are looking for a copy of ARES/Data, version 1.2 which is an emergency service data base for IBM PCs: Stan W9FQN 749 0276.

(2-16) 1992 Callbooks ..will pay \$15/pair: Duane AA6EE 789 3674 Ramona.

(2-16) Need old ARRL Handbook and Radio Handbook for circuits showing old time mercury vapor rectifiers: Nash W6HCD 728 3574 Bonsall.

(2-25) TEN TECH PARAGON XCVR: Bob 941 2824 Vista.

(1-10) Kenwood TS-700A MANUAL or COPY: Dennis N6KI 271 6079 Mira Mesa.

(1-7) AMIGA OWNERS: ur Amiga is an ideal computer & if U need ham shareware or have some for exchnge, contact: Bob KC6VDX 758-9078.

(10-16) PACKET MODE CNDROLLER for RS-232: Nash W6HCD 728 3574 Bonsall.

S W A P M E E T S / N E T S

OCEANSIDE: Meets on the 2nd Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers \$13. If you are selling only a few items, you might want to double up with others to reduce your individual sellers cost. Be sure to not get caught in the right hand lane. Ham, Electronics & Computers are the SHORT line in the left hand lane. Keep to the left and drive back to where Larry-AB6LY has the PARC booth. This swap meet replaces the Cucamonga swap meet which folded last year.

Larry-AB6LY and wife, Kay, set

up the PARC booth with banners and signs and manned it during the morning hours with help from Jim-KD6IVF. Thanks for a job well done and we hope that in the future we will get more help for Larry and Kay at the swap meet so they don't have to be on duty all of the time. You get one activity point for helping ..not just showing up as your editor did.

MEMBERSHIP

Ralph-KC6WAN Vista 727-7415

Membership as of 2-20-93 is 639 ..and counting. Who and when will be number 700? -SK-

There is now a 70 day delay in processing new license applications.

The board at its January 14th meeting approved the following amendment (1st) to the bylaws, section 5(a) and 7(c) of our organization:

(a) The annual membership dues for both Full and Associate Members shall be \$12.00 (which shall include a subscription to the newsletter). The \$12.00 dues shall cover one year from the first day of the month in which the dues are paid. Members are encouraged to pay dues in increments of two or more years at one time. At any time after paying dues for the first year, a member may pay additional dues at the rate of \$1.00 per month in order to make his membership expire at the end of the corporation's fiscal year. Members are encouraged to do so. A family membership for two or more members of the same family living at the same address may be obtained by paying 1.75 times the individual membership dues. Only one copy of the newsletter will be sent to the family.

AND

Section 7(c) of these bylaws is amended by deleting from the first sentence thereof the words "during the month of August".

The bylaws of our corporation allow the Board to make certain minor changes in the bylaws at

announced Board meetings.

The 5(a) change did not change the amount of the dues nor the amount for family membership. It only assures the club that it will collect \$12 (or \$21) immediately rather than some smaller amount depending upon the month joining the club.

The 7(c) allows the club to have its picnic sometime other than in August when temperatures are quite warm. September and October have been suggested as good months for the picnic. Picnic drawing tickets will be handled as in the past with no changes. -SK-

Don't forget to invite your friends to become members of the club. Many members join ONLY because of the repeaters and the autopatches. Some like to participate in Field Day and other club programs. REMEMBER, you don't have to come to meetings to be a good club member. If someone you talk to on the air says that they can't come to club meetings, just remind them that they are using one of the PARC repeaters ..and they don't work without a lot of tender loving care and financial help. (Wish I could give you "1" activity pt for each new member you sign-up! -Ed) -SK-

In past years we have almost NEVER had new members being concerned about confirmation of their joining the club. They always waited for their next months newsletter but now members are asking when they will be notified of their acceptance ..we suspect this newly observed anxiety can be related to their interest in receiving the autopatch codes. -SK-

A computer crash in October caused some problems which we are only now getting corrected. We are sorry for any inconvenience this might have caused anyone. We will update your membership for the issues missed. -SK-

The club is selling PARC blue hats with the PARC logo on it for \$5 and we are selling the commemorative 5c cent stamp pins for \$5. See me at meetings. Sorry, but we are out of the PARC blue shirts. If there is

enough interest, we will make up another order. -SK-

I would like to have you check your label after paying your dues to verify that your dues payment has been properly posted. Errors, if any, are more easily fixed sooner rather than later. Most members receive their SCOPE 5-6 days before the next club meeting. The SCOPE is mailed on a Tuesday afternoon, eight days before the club meeting.

PARC Classes April 5, '93

Nov -> Tech -> Gen

Carlsbad Safety Center

Cost: \$10 or free to PARC

club members Contact:

B111-WBGMCU 582-2313 S.D.

RENEWED: KD6ADI-Jason, KM6KQ-Tom, KB6MWH-Leonard, WB6QLC-Bruce, KC9LV-Rick.

A SPECIAL THANKS to all those who renewed for more than one year allowing me more time for several important projects.

A SPECIAL WELCOME TO NEW MEMBERS: N6IAP-James(2yr), KZ6X-Paul(2yr), KA5ECR-John, N5QLG-Jake, N6ALA-Ken, WD6BAR-Tim, WB6BKR-John, KD6DKA-Susan, KB6FHO-Edythe, KD6HTE-Sandy, KD6HUM-Kim, KD6JXP-David, KD6KHU-Dick, KD6ODJ-Susan, KD6OTK-Rodrigo, W6PQO-Steve, WB6QLC-Bruce, KD6QLZ-Max, KD6QYF-Dan, KD6RFJ-Mike, N6RGL-Bertin, WB6TAW-Alf, KC6TLU-Bob, WA6THC-Ray, KC6UCF-Ed, KC6ZNM-Chris, KC6ZRV-Mark, KB7RAG-Mike, McNally-Bob

CHANGES: K6HZ to 2635 Vista Del Conquistador, Jamul 91935; Kevin Sanders-KD6FKS to KN6FQ; Terry-N6VZH to 7845 LaMesa Blvd, LaMesa 91941.

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

BADGES: PARC name badges are \$1ea - Contact John-W6OLQ at meetings or 672-3891 SD. The follow-

ing badges (with notice number) are ready for pickup at the next club meeting:

WB5BNH(1)	KD6EUP(5)	KN6FQ(1)
KD6GLH(1)	KD6KHS(5)	KM6LF(5)
KD6LUO(5)	WA6MYC(3)	N6RMM(3)
KC6TAY(3)	WB6THH(5)	KC6TLW(5)
KC6UGQ(5)	KU1Y(5th)	WT2Y(1st)
KC6ZH(3)		

Hurry! John might sell them to someone else! We would hate to see someone else wearing YOUR badge. If anyone knows these members and can get their badges to them, please see John at the next meeting.

- V E T E S T I N G -

(Rusty-AA6OM 747-5872)

N.Co.FCC LICENSE EXAMS by PARC
VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted.

FEBRUARY TESTING: 16 registrations, 2 no shows, 23 elements with 13 passes.

GEN->ADV Mike Paquette-KA1VFF.

NONE->Tech Sam Livingston & Denning Perdew(+).

CSCE's ISSUED: KC6QHU (3B), KD6FKP (1A), Herb Henry (2), Andy Hopkins (2), Lisa Milligan (2), and Darryl Randall (2).

EXAMINING FEB.TEAM: Jack Newlove-AA6UQ, Mike Doyle-AB6QT, Sam Burdette-W6YVY, Bill Watt-WA6HYC, Jack Hanthorn-KI6JM, Bob Chantrill-KE6VX, and Rusty Massie-AA6OM.

73, Rusty-AA6OM, VE Team Leader

5 Y E A R S A G O G O

3-88: ..WA1CSO moved back to New England ..B111-N6OPP announced that this was his last club meeting as "keeper of the pot" because he was leaving for Utah ..still looking for a cargo container.

- N E T S -

All NET CONTROLS should modify their PREAMBLES:

ADD-8pm Wed. HAM TECH net on 147.075
ADD-8pm Thu. HAM HELP net on 147.075

ADD Mon->Fri CODE net on 147.075
ADD-8:15pm Tue.Eve MARA net on 147.075
ADD-9pm Wed. SPANISH net on 146.730
DROP - Wed. Eve code net on 146.730
DROP - Thu. HAM HELP net on 146.730

EVERY CLUB MEMBER SHOULD CONSIDER MAKING UP A "MESSAGE" FOR THE 8PM TRAFFIC NET AND SENDING IT OUT SOMETIME DURING FEBRUARY OR MARCH. If at all possible, send it to someone in the San Diego Co. area although anywhere in the USA would be accepted. -SK-

EVENING CODE PRACTICE is on 147.075 Monday thru Friday at 7pm and is not on 146.730 on Wednesday evenings. Here is your opportunity to practice for the 5, 13, and 20wpm code tests given Saturday mornings. -SK-

We are now looking for net controls for a WEDNESDAY evening SPANISH NET to be held every 2nd & 4th Wednesday starting in March at 9pm on 146.730 or 147.075. The format will be somewhat similar to the rest of the SINs which are held at 9pm throughout the week. Topics covered from time to time will be: trips to TJ restaurants, ham radio words, verbs (present tense, infinitive, etc), numbers and letters, QSO format, how to order food, conversational practice, etc.

Barbara-KA6FPS or Stan-W9FQM will host the first net and we will be looking for volunteer net control stations for future Spanish nets. If any of you are native Spanish speakers, please check into the net to help the non-native speakers with their pronunciation and choice of words.

Family members interested in Spanish or who can speak Spanish are encourage to participate as "THIRD PARTY" participants with the ham present for control of the transmissions.

If there is enough interest in the Spanish net, we will expand it to every Wednesday at 9pm. -SK-

Please remember the Thursday evening HAM HELP NET. If you have ANY QUESTIONS on amateur radio or would like to help with the answers, be sure to check into the net at 8pm on 147.075.

There has been some interest in starting a net for THEORY, RULES and REGS plus TECHNICAL discussions. Larry-AB6LY is looking for net controls to help out on Wednesdays at 8pm on 147.075. -SK-

The evening San Diego Traffic Net (SDCTN) should feel free to use the 147.130 repeater for overflow traffic. MESSAGE TRAFFIC ALWAYS HAS PRIORITY over "chit-chat" on our repeaters.

Your editor received a very nice card thanking him for delivering a message which he picked up from the evening traffic net. Usually the thanks comes when the message is delivered. -SK-

The Palomar Amateur Radio Club supports the following nets with its repeaters located on Palomar Mountain. We will add additional nets if there is a demand for them by the amateur community.

146.730 NIGHTLY %%%%%%%%%%

MON. 1915 RACES N.C.Sub-Net
2000 S.Diego Co.Traffic Net
(except 1st Wed. club Mtg
Net managers::N6RVO/N6TJT
Mo-WA1ZEN,Tu-N6RVO,We-N6WVP
Th-W6EYP, F-N6TJT, Sa-N6NZX
Su-N6TEP

MON. 1915 RACES No. County
MON. 2100 Microwave, N6IZW
TUE. 2100 Pkt.Voice, KB5MU
WED. 2100 Spanish, KA6FPS?

2nd and 4th Wednesday
SUN.0830 Emerg.Serv, W9FQN
KB6NMK, W6HCD,N6NZX,KB6NZA
WB6HFE,N6QQF,WA6UTQ,N6QJE
W6JSP,N6WEG,N6WEF
SUN.1000SAILING,W6QCA,AA6TR
SUN.2100 ARES Plan., K6DCG

147.075 NIGHTLY Mo->Fr %%%%

1900 Code, AB6LY NetManager
N6ZUC W9FQN N6NZX KB5MU
2015 TUE MARA: KE6VX & WV6Z
2000 WED HAM UPGRADE AB6LY
2000 THU HAM HELP AB6LY
KK6IL, N6YMD, KC6UQH
AB6QT and others

O T H E R N E T S %%%%%%%%%%

MON.1930 RACES on 147.195
NIGHTLY 1:30Z Maritime Net
28.313 So.Cal. Mark-AA6TR

SAT-SUN 2000 SSB on 28.340

KD6AKT & WBOYCQ

MON->SUN KING HENRY's Round

Table on 147.13 @ 2200

Send updates to ur editor.

See W9FQN for CW code disks for
IBMs at meetings. -SK-

#####

LETTERS to the EDITOR

#####

Ur Ed & Board reserve the
right to print letters and
edit as needed.

de Charles-N6TEP

In the last few months we have seen a serious drop-off in participation in the traffic nets on W6NWG ..traffic input has dropped as well ..typically we are getting from as low as 3 check-ins to maybe 8 or 10 at most ..SCNV traffic takers are almost non-existent mostly because hardly anyone can reach the SCNV repeater ..we clearly need an infusion of more enthusiasm and lasting commitment ..recent net joiners have checked in a few times and then dropped out ..our nets are meant to train operators to dispatch traffic quickly and efficiently ..during Desert Storm we experienced something similar to what we might expect during a real emergency ..a traffic load we could barely handle in the hour allotted to this net, because of the antiquated method we use: laborious phonetic spellings and time-consuming voice dictation, taken down by hand. In these times of digital communications, that should be absolutely the last resort.

We might take a hint from MARS, where net participants check in quickly by voice, then stand by for an RTTY burst, giving all the day's traffic in a few minutes. Each member then is assigned whatever traffic fits his or her call area, or already knows what traffic to handle. This dispatches traffic efficiently and in written form, allowing paste-up on a radiogram form and mailing to addresses that either have no phone or don't answer.

My point is that unless we have

some truly competent people in our midst willing to teach, we will not:

- 1) accomplish much as emergency communicators
- 2) be able to meet the demands of increased traffic efficiently, and
- 3) be likely to attract and inspire members to greater performance and effort.

The old system of hit an miss ..letting new net members learn by simply listening in to the net and then letting them cut their teeth on their own by listening to what is my opinion not always correct practice, will not create a cadre of experts and dedicated operators who will take that work seriously enough to be there come what may, instead of simply not checking in or even - as we have seen lately- failing to make arrangements for a substitute when unable to run a net. This creates confusion and a totally unprofessional atmosphere. After several minutes of silence, someone will finally ask if there is going to be a net, and then comes the discussion about who might "take it", finally followed by someone who takes the bull by the horns. What new licensee wants to join that type of an outfit ..if you ever listen to a MARS net, what a difference in competence, discipline, brevity and professionalism! (to be continued next month -Ed)

NEWS

SK-SK-SK-SK-SK-SK-SK-SK-SK-SK

We regret to announce the passing of Rudy Plak-W6TIK, well known Escondido antenna designer, and Lane Hart-N6LTV, a former PARC member. Last year Rudy put on an antenna program for the club.

SK-SK-SK-SK-SK-SK-SK-SK-SK-SK

Anyone wishing to see a copy of the January 1993 minutes of the Board of Directors for the American Radio Relay league should contact W9FQN at the next club meeting. -SK-

The Ramona Outback ARS operates a low level repeater on 145.090(-). -SK-

Mark-AA6TR worked Japan running 1 watt CW on 40 meters. -SK-

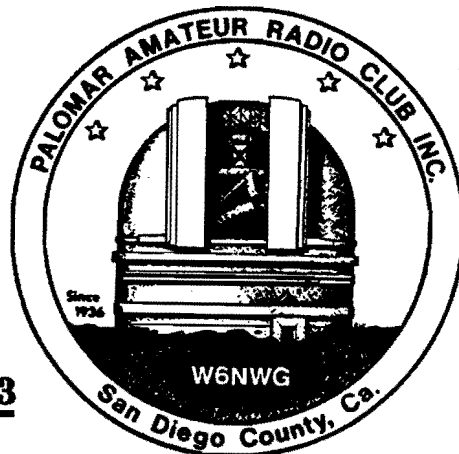
If any club members have a

Scope

W6NWX

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073



APRIL ***** 1993 ** 57 YRS

***** Volume XIX NO. 4

***** Published every month

An ARRL Special Service Club

WAS= WAC= DXCC=

April 7th Meeting WEDNESDAY

Coffee 7pm and Mtg. @ 7:30pm

Carlsbad Safety Ctr, Palomar

Airport road to Camino Real,

East on Faraday 1/4mi, left

to C.S. Ctr., T.B. pg 14,F6.

Talk in 146.730 / 147.130

PARC Frequencies used:

* = PATCHes thru P.Mt.Rptrs.

Covering 2,000sq.mi.SDCo

** = PATCH, local VSTA/FBRK

% = W6NWX, PARC, WI6B-Ron

(107.2 Hz used for all PL's)

Load your memories with the

PARC frequencies listed:

145.050Pkt, W6NWX/PALMAR**

146.175+, PL, PATCH, Fallbrook

. . . ** WA6IPD, Art Rideout

146.520s, National Simplex

146.535s, Palomar ARC Simplex

. . . also Simplex Repeater

146.700-, PL, RTTY, due Apr%

146.730-, (*PATCH-PL), P.Mt.%

147.075+, PL, no PATCH, P.Mt.%

147.130+, PL, *PATCH, P.Mt.

. . . KA6UAI, Erik Thompson

224.900-, PL, Palomar Mt.

. . . WD6HFR, 220 Club of S.D.

METROLINK Pkt 9600 baud %

446.000s, National Simplex

446.400-, *PATCH, Kearny Mesa

. Rpt/link to 147.13 KA6UAI

449.425-, PL, *PATCH, P.Mt.%

AUTOPATCH OUTLET CENTERS:

WB6FMT-VSTA; WV6Z-MMSA

WA6IPD-FBRK; N6IZW-LMSA

2mSimplex Emergency Repeater

Amateur Radio Today

***** C A L E N D A R *****

Apr 7 Wed. PARC Club Meeting

Apr 5 NOVICE CLASSES START @

CARLSBAD SAFETY CENTER

where the club has meetings.

Call Stan-W9FQN 749-0276

Apr10 Sat. PARC VE Carlsbad

Apr10 Oceanside Ham SwapMeet

Apr15 Thu. Board Mtg. @ WA6Y00

Apr23 ARES Disaster Drill

Apr24 RACES Disaster Drill

Apr25 Fallbrook AVO FESTIVAL

Apr28 EAVC Disaster Drill

NEXT CLUB MEETING

Art McBride-KC6UQH, VP and program chairman, has announced that the next club meeting will be "HOME BREW ANTENNA NIGHT" and he will be assisted by Dave-KD6EBY and David-KC6YSO. Club members are asked to bring in their home made antennas or pictures of same if they (the antennas) are too big to fit in a car. Tables will be set up to accommodate antennas. Dave and David will help in registering participants. With board approval I would like to offer "1" ticket to each participant good at the drawing at our annual picnic. The antennas will be briefly described and members can inspect them during the coffee break. If you have an interesting commercial HT antenna, bring it along too.

The purpose of this program is to promote the gain of knowledge by experimentation and encourage others to experiment on their own as provided for in FCC Regulations Part 97.1 (BASICS AND PURPOSE OF THE AMATEUR RADIO SERVICE) sub parts B, C, D. As antennas are easy to

construct with a minimum of test equipment required it is my recommendation that antennas be a first construction project for the beginning Radio Amateur.

If there is time, we will also have a SHOW and TELL on HTs showing how they can be made more effective.

Art is also looking for a Picnic Chairman for the club picnic in October of this year. Responsibilities are minimal. Contact Art for more information before he starts twisting arms.

WANT TO BE A HAM

(or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator and/or in joining PARC, please contact one of the ELMERS listed:

Harry, WA6Y00, 743-4212, Escondido
Duane, WB6R, 753-4821, Cardiff

LAST CLUB MEETING

Another good meeting with Ben Green-WD8CZP giving a history of RACES, showing slides and video of the devastation in SD Co., describing the four classes of participation, and showing pictures of what the new RACES Emergency Van is going to look like.

Attendance was 108 members, 14 guests, for a total attendance of 122. This probably sets a record for attendance.

SHOW & TELL: Jim-KA6OLZ with pictures of a space shuttle launching, Brian-KF6C with a SWL antenna, & Bill-KB6MCU with another repeater.

Dennis-N6KI again had a table with junk and hard to find items with 10% going to the club.

Art-KB6YH, Larry-AB6LY and Kay, again supervised the drink and goodie table. Members bringing in



goodies were: N6ISC, WB6GXR, ???

The goodies were great and you were rewarded with "1" participation ticket each (not per cookie)!

PRESIDENTIAL QRM

WA6Y00 2435 Our Country Rd
Escondido, 92029, 743-4212

There was a nice crowd at the Oceanside Swap Meet on March 13th. The weather cooperated and there were many interesting goodies to be picked up at bargain prices. Thanks to Larry, AB6LY and crew for manning the Palomar ARC booth. If you haven't been coming out, do so on April 10th. If you need a seller's discount coupon, see me or Art-KC6UQH at the April meeting.

Frank Forrester, KI6YG, Science and Technology Instructor at Challenger Junior High School and Bill Smith, Jr., KB6MCU, have both been nominated for the award of ARRL Amateur Radio Instructor of the year. We wish them both luck.

Speaking of instructors, don't forget that the Palomar ARC will be sponsoring Ham Radio classes which begin on April 5th at the Carlsbad Safety Center. These classes will guide the student from Novice through General Class. The cost is \$10 (Free for Palomar ARC Members), plus the cost of ARRL's "Now You're Talking". I'm sure you've been asked about classes from time to time so now is your chance to get out the word. Bill Smith, KB6MCU is the senior instructor.

One of our members, Bernice, N6WQR, has joined the ranks of Army MARS and participates daily on the AAA9CS/F Traffic Net, Frequency 7311 KHz. Also our (club) Secretary, Mike, WH6CH, has been a member of Army MARS for quite some time and may also be heard on a number of traffic nets. As the Brits say: "Good Show!" If anyone is interested in participating in Army, Air Force, or Navy/Marine Corps MARS give me a call.

It's not too early to mark your calendar for the 1994 ARRL Southwestern Division Convention to be held on the last weekend in

August 1994. Sybil Albright, W6GIC, has graciously volunteered to be in charge (again!). Dee, N6ELP, will be in charge of women's programs assisted by Jerry, N6TCB, XYL of WA6Y00 and Sherry (No Call Yet) XYL of WB6PKK. Also Frank Forrester, KI6YG, will be in charge of the Youth Forum. Lastly, Ellen, N6UWW, will be doing the Wouff Hong Ceremony. As we go along and more volunteers are made known to me, their names will appear here. If you wish to volunteer to help make this the best division convention ever, call Sybil at 278-4284. Oh, and me? I'm coordinating the MARS program.

73, Harry Hodges, WA6Y00

BOARD of DIRECTORS

PRESENT at board meeting -

Pres : Harry Hodges, WA6Y00

VP : Art Mc Bride, KC6UQH

Sec : Mike Garrison, WH6CH

RTech: John Kuivinen, WB6IQS

- also present -

Const1: Jack Hanthorn, KI6JM

- - - - -

Others: Bill-WB6MCU (training)

Visitors: Sybil-W6GIC (SANDRA)

- - - - -

ABSENT from board meeting-

Treas: Benton Caldwell, KK6LX

SCOPE: Stan Rohrer, W9FQN

MbrShp: Ralph Powell, KC6WAN

Trustee: Ron Wilhelmy, W16B

Member: Tim-N6ZUC (pkt)

Club members are invited to attend these meetings to observe the Board of directors in action ..or non-action ..es (and) get an activity pt for attending! Harry's brownies were especially tasteee.

The March meeting did not have a quorum so no votes were taken.

NEWSLETTER HELPERS

for Mar. 1993 SCOPE

W6OLQ, John Tentor, billing

KI6JM, Jack Hanthorn, folding

QTH and refreshments

KC6WAN, Ralph Powell, printing

of labels, Giant Computer

KB6YHZ, Art Nye, folding

rubber bands, tracer of

lost items.

N6QBD, Dick Gearhart, staples

KD6RSM, Emilio Spelgatti, fold.

KB6NMK, Jo Ashley, ads, labels

OM, Norm Ashley, folding

W9FQN, Stan Rohrer, Editor,

SCOPE printing, P.O. Forms

Emilio-KD6RSM just received his license and this was his first time helping with the Newsletter.

Without these people life would be difficult, THANKS! If you live in Vista or near, we could use some extra help for an hour or so at 1pm. Call 598-0420 Tues, one week before the meeting @ 12pm. This equals 1 activity point and a lot of laughs.

RECOGNITION

The following club members attended a "REPEATER TECHNICAL" meeting on March 7th at the QTH of W9FQN: KC6UQH, AB6QT, WB6FMT, KC6EBY, AB6LY, N6ZUC, KB5MU, KC6KFQ, N7USR, AND W9FQN. Everyone was briefed on past, present, and future projects connected with the club's repeaters. The meeting lasted four hours and all discussion items were covered.

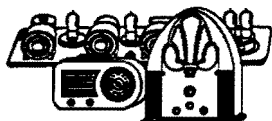
Action and policy items will be brought before the Executive Board at the April board meeting.

A great big THANKS to those attending. Jerry-AB6QT won the prize for traveling the greatest distance ..de Palomar Mountain. -SK-

Jack-WA6DYV for the neatly printed address labels which your editor will use. Jack's HP Laserjet III certainly does a great job printing. -SK-

Dennis-N6KI & Joe-KC6QXU for the names of people interested in PARC. -SK-

Paul-KB5MU for a IBM copy of ARES/DATA 1.6. The program is a data base for use in emergencies by emergency organizations: clubs, ARES, EVAC, RACES, etc. It is our understanding that it will keep track of operators, resources, and handle messages all under local or packet control. If anyone would like to take a look at the program, please contact ur editor, W9FQN, at the next club meeting. -SK-



**REGISTERED
U.S. PATENT ATTORNEY**

723-0620

Loyal M. Hanson - W9WV
Fallbrook, California

**FARMERS INSURANCE GROUP
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Agent

Tim Hoy
KI6GI



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La Mesa, CA 91941

No.1 5A Field Day!



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!



Radio systems installation, repair and removal, and interference resolution.

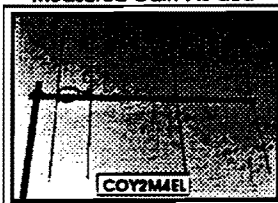
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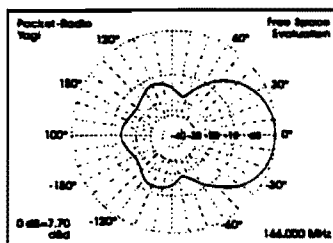
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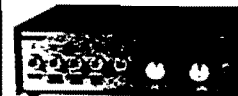


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NU6L

- EDITOR -

Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
749-0276, 11:30am or 9:45pm

From time to time the post office seems to want to delay the SCOPE for some reason or another. Ralph-K6HAV, the former editor, had this problem on several occasions and after several months the problem cleared up.

We are sending out almost 700 SCOPE's each month now. We (the-folding-stapling-labeling-sorting-by-ZIP-code-crew) try to do everything according to post office rules and regulations so we are not sure what the present problem is about. With so many SCOPE's to mail we are now going to separate the newsletters into three bags: San Diego Co., California, and USA. This is in addition to bagging by Zip Code. Possibly this will help the alleviate the problems.

We want to continue our policy of mailing 13 days b4 club meetings so please keep us advised as to how many days b4 the meeting you receive the SCOPE. The SCOPE is mailed Tuesday at 3:30pm the week b4 the meeting.

-SK-SK-SK-SK-SK-SK- -SK-SK-SK-SK-SK-

Both of my parents were teachers and had their amateur radio licenses in "9" land. Dad helped me with the PARC 80' tower in 1984 on Palomar Mt. and died in 1985. His initials and date of birth are in the tower base: GER'98. Mom always took an interest in what I did ..and was always worried when I climbed towers ..especially in my PJs at night. She passed away March 7, 1993 after having lived 91.4 years.

They lived in the "horse-n-buggy" days, raised a family during the great depression, participated in the WW-II effort, educated everyone, saw man land on the moon, ...

-SK-SK-SK-SK-SK-SK- -SK-SK-SK-SK-SK-

- R E P E A T E R S -

ATTENTION: THE OLD 146.730 REPEATER IS BEING REPLACED by a repeater built by Mike-AB6QT from a mobile Motorola transceiver on March 29 so be advised that the 146.730

repeater will be off the air for most of the day and that the autopatch might not be connected again on 146.730 for as much as two weeks. The new repeater will have a "courtesy beep." The old 146.73 repeater will be taken off of Palomar Mountain to be converted into an RTTY repeater by John-WB6IQS sometime after we are sure the new repeater is working properly. -SK-

The following has been accumulated over the winter since the last running of REPEATERS in November 92.

It would appear that all of the repeaters and links were not quite as strong during the winter months (bad weather) although most of the problems have disappeared with the warmer weather. Some of the possible reasons are as follows:

STRONG SIGNALS NEAR THE INPUT of the repeater. They pull signals out of the receiver passband.
Rain "clouds" in the path to PM.
Broken antenna(s) de falling ice.
Trees are wet absorbing signal.
Different gnd.absorption/reflect.
Snow on the trees near the tower.
Snow and ice on antennas.
Coax soaking up water.

John-WB6IQS, during past winters, has walked the 1/4th mile into the site and has observed ice-cicles hanging from the tower and antennas horizontally. We normally observe a 3-6db difference in signal between morning (higher) and noon (lower) ..then climbing back up by evening. Signals are normally poorer during and right after bad weather. -SK-

On 1-16 the repeater bunker lost all AC power forcing us to use the 12v emergency power banks. We have a 300Ahr bank and two 1,600Ahr banks. The 147.075 repeater was off the air because it still is not a coordinated repeater and we might not include automatic AC->DC switching circuits until it is coordinated. The 147.13 repeater has 12VDC available within 12 inches of its cabinet but the trustee has yet to install the required switching circuits which PARC has offered to furnish.

We were without power for approximately 16 hours. ARES and the Red Cross used the repeater the entire weekend for coordination of emergency centers. -SK-

- A U T O P A T C H E S -

de W 9 F Q N

New members should request an AUTOPATCH INFORMATION SHEET describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY. Present access codes are listed on ur address label ..but YOU WILL NEED AN INFO SHEET on how to use the repeater codes. -SK-

Please use the following sequence for the autopatch system:

A U T O P A T C H

1. N6YZZ (MOBILE) ACCESS AUTOPATCH
2. Punch in access code
3. Listen for dial tone
4. Dial your 7-digit number
5. Talk to your party

end patch with -->

6. N6YZZ (MOBILE) CLEAR PATCH "#"
Note: N6YZZ should probably be given as "N6 YANKEE YANKEE ZULU" so that control OPS can more accurately check your membership ..unless you KNOW that the control OP can recognize your voice or call as an "old time member" of PARC.

A-ALPHA	B-BRAVO	C-CHARLIE
D-DELTA	E-ECHO	F-FOXTROT
G-GOLF	H-HOTEL	I-INDIA
J-JULIETT	K-KILO	L-LIMA
M-MIKE	N-NOVEMBER	O-OSCAR
P-PAPA	Q-QUEBEC	R-ROME
S-SIERRA	T-TANGO	U-UNIFORM
V-VICTOR	W-WHISKEY	X-XRAY
Z-ZULU	(please, no originals!)	

If everyone used the STANDARD PHONETICS for their call when using the autopatch, control operators would be able to pick out an intruder more easily since he would be afraid to give his call with phonetics ..by the way, one intruder has used the call of a ham that lives and works in Fullerton (K6BTS) who was at work at the time the call was made in San Diego. The intruder

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also says his name is Bill but everyone answers the phone and calls him Rich. See if you can engage him in conversation and get his address under the pretext of your editor sending him a newsletter. GET HIS ADDRESS. WE WILL SEND HIM SOMETHING!
-SK-

When you run an autopatch you might consider using the word "OVER" and try to get the other person to do the same. Since the patch is a ONE WAY conversation, it is very easy for both parties to double at the same time if one hesitates slightly before intending to continue ..but when you do double, the REPEATER USER is the only one that will be heard on the repeater transmitter. The phone user is turned off automatically as soon as the REPEATER USER keys his microphone. -SK-

We have noticed that autopatch users CLEAR the patch without giving the person on the phone "the last word" so we would like to suggest that when you are ready to CLEAR the patch that you say something to the effect "do you have anything else before I hang up?" Then CLEAR the patch with your call and a #. -SK-

Sometimes the autopatch system only hears two of the three tones you send for access and only six of the seven that you think you are sending for the telephone number. This is not the fault of the autopatch system but a problem that is peculiar to older Motorola transceivers. The older Motorola units use a mechanical vibrating reed for detection of the PL 107.2Hz and we are finding that they do not respond as quickly as the newer electronic PL decoders. We will try to replace the vibrating reeds sometime this Spring with modern electronic decoders.

Some of our autopatch users hit the "push-to-talk" switch and their Touch Tone pad at the same time. By the time the repeater has detected and acted upon your PL your first digit has been lost (not transmitted). The solution to the problem is to hit the "push-to-talk," wait a second, then TT your

numbers. Our 70cm repeater is especially slow. In fact, it misses my answers of "yes" or "no" and people think I never answer their questions. -SK-

QUESTION: when should I NOT USE the autopatch for a telephone call?

ANSWER: 1)when you are in your house, 2)when you are at work, 3)when you are aboard your boat and have access to the marine operator. An exception would be if you are doing it for practice or a demonstration of the autopatch.

If you are near a telephone, you should use it. Do not use the autopatch to AVOID a toll charge. It is our understanding that ALL boat owners have access to marine phone operators so you would be avoiding a toll charge while on your boat unless you were practicing for an emergency. Announcing that you are in the company parking lot is a NO NO because if you are leaving, you should have called before you left the office and if you just arrived, you could call when you get inside.

The time to use the patch (other than emergencies) is when you are mobile and cannot reach a phone quickly or easily. ANNOUNCE THAT YOU ARE MOBILE so that everyone knows that you are not near a phone. You can use the patch when you are near a phone if you are doing it for demonstration purposes or from time to time when you are checking your ability to use the patch properly from that location.

I guess that the whole thing boils down to the fact that we do not want to be PERCEIVED by the PUBLIC or the FCC as using the autopatches to avoid toll charges. Our repeaters have wide coverage of San Diego County (covering 99% of all county phone numbers) and are monitored by many ..some amateur and some not.

During the early January rains which caused so much trouble in Tijuana and the Chula Vista area, the telephone system lost about 7,000 phones from South San Diego to Escondido ..at least PARC licensed members had a way of making emergency calls, if they need to do so.

Your editor had a "brown-out" (67vac) that morning of the storm starting at 8am and loss of all power at 10pm. Power came back on at 12:30pm and since my computer system was on an old UPS supply with 76Ahr @ 80v battery backup, I was able to work on the SCOPE files for 4 hours without normal AC power. I suspect I could have gone 16 hours. -SK-

- WORK PARTIES -

The following should bring us "up-to-date" on winter work parties:

(11-??) Orlando-N6UUV (and crew) made a new crank handle for one of the two new (at least to the club) 35' military crankup towers which will be used for emergency work and Field Day. Orlando always makes things much better than the samples which are given to him. The replacement handle is no exception.

(11-22) John-WB6IQS and Art-KC6UQH worked together at the site and accomplished the following: a)checked upper and lower corner reflectors and noticed little difference, b)check 147.075 for proper deviation, c)adjusted helical resonators for 146.73 and gained 6db on receive, d)readjusted audio squelch and RF squelch to trip at the same time, e)tied all grounds together, f)attached phone patch system to DC emergency power connection, g)brought emergency 12vdc up to Erick's 147.13 repeater but did not connect it, and g)discovered and replaced blown transistor in the autopatch system DTMF mute system. A great day on the mountain ..until the sun went down ..and then IT GOT COLD ..THEN COLDER.

(11-29) John and Art worked Sunday afternoon on the 70cm collinear that was on the 460-470Mhz band and they are trying to move it down to 449.425 which requires adding a sleeve to EACH 1/4th and 1/2wave tubular section ..so there was a lot of unsoldering and resoldering of elements and sleeves. Stan-W9FQN dropped in to observe the fun.





DEATH NOTICE: someone called my QHT this month announcing the death of her brother but I was not given the brother's name and the telephone No. was garbled. Please call again.(Ed)

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The SCOPE reaches over 700 amateurs per month.

ALWAYS MENTION THAT YOU SAW THEIR AD IN THE SCOPE!

(12-?) David-KC6EBY has been faithfully checking our 3,000Ahr of batteries ..specific gravity running about 1.235, voltage across each cell 2.28, and charging current (trickle charge) at about 1.6A. The last water being added was about 2 liters per cell (note PARC made the metric change).

(12-3) David-KC6EBY cycled Erik's 147.13 power circuit breaker which has been turning the repeater off several times during the past month.

(12-6) John-WB6IQS and Art-KC6UQH finshed up the 440 collinear and will take it to W9FQN's QTH for final testing in January.

(01-30) Jerry-WB6FMT and Mike-AB6QT hiked into the repeater site thru the snow and mud to adjust the autopatch audio level on the 147.130 repeater and to change the squelch level on a link. They checked all autopatch combinations and left the site with everything working properly. Half way down the mountain the 146.73 autopatch failed when someone tried to use it ..usually

the failures occur when we are down off of the mountain. It was decided not to return to the site because of the lateness of the hour and the need to walk back into the site. Our best guess is that one of the boards was not plugged into the system securely.

(01-17) Mike-AB6QT and Jim-KC6PAS entered the rain soaked repeater site to make a manual change of the 300Ahr batteries used by the 146.73 repeater over to one of our banks of 1,600Ahr batteries. The site had been on emergency power since the 16th and we were afraid with several more storms coming in later in the week with lots of snow that we would not be able to reach the site in the snow if we had further problems. Our total energy storage is over 3,200 Ahr which should hold us for a week without starting up the emergency generator.

As of this date Palomar Mountain has received over 30 inches of rain during this series of storms. -SK-

(02-02) Art-KC6UQH and Mike-

AB6QT (formerly KC6KCQ) worked on the new 146.73 repeater and found that one of the problems they were experiencing with the transmitter strip is apparently due to a bad 146.73 crystal ..which will need to be replaced. Orders for crystals usually take 2-3 weeks since the crystal people like to operate the crystal in their ovens to "age" the crystal before shipping it out. -SK-

(3-21) John-WB6IQS, Art-KC6UQH, and Stan-W9FQN tested the renovated 70cm collinear at the QTH of W9FQN. The repaired/modified antenna was mounted to the TACO WAGON and checked for resonance. We ended up with low SWR at two points which suggests that possibly the matching section is bad.

Repeaters and their associated equipment take a lot of time and effort. If you are a user of the repeaters, ARE YOU DOING YOUR SHARE IN HELPING WITH THEIR OPERATION? You can help in their operation by 1)running and/or checking into NETS, 2)SCROUNGING up equipment for the site, and/or 3)attending WORKPARTIES

APR'93 LATE NEWS: PARC is looking for a PARC member who is a practicing lawyer who can give the club some advice regarding a property line matter at the repeater site.

at the repeater site.

We can always use help at the repeater site. If you have some special talent (besides years of pressing your mic button ..or sitting on it), please contact Stan-W9FQN for possible projects that you could help with at the site.

FORESAIL

Yawl ketch on?



Phone or send ads to Editor's QTH, W9FQN, (see Editor) before the 20th of the month with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are \$40/page to \$5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line.

SELLING the 54' heavy duty crank up tower dropped off in my front yard. Club members 1st at \$600. - W9FQN for PARC 749 0276.

(3-27) TriX tubular crankup tilt over twr 38'->20' 15mi free delivery: Scottie KH6TL 727 8836 Vista.

(3-22) Alinco 2m-70cm DJ-580T hardly driven (2mo), ALNA-AL800 ant, pouch, 2bat 7.2v @ 1500ma \$430: Tom Brannin 753 8485.

(3-20) Rohn Twr 40' HDX free standing + rotator break, CDE CD44 rotator + cable and control, SWAN Triband 10-15-20m beam TB-3A all \$250: Mac NH6EW 945 7391 Ocsd.

(2-18) Drafting table 32x60" tilt, 4 drawers, stool \$75; drafting supplies, templates, etc offer; HP48SX Sci/Eng calculator (computer) \$200; TI-58, TI-59 calculator accessories, books, paper, surveying, electronics offer: John WB6IQS 724-8380 Vista.

(2-4) G6-144B 2m ant 6db unused orig box \$100; ICOM IC-24AT 2m/70cm HT, large BP-84S 1400maHr battery, BP-82 300maHr, wall charger, \$400/offer: Mike WB6CSH 481 0770 DelMar. NOTE THAT THE PHONE NUMBER IS NOW CORRECT!

(2-25) LK-500ZC HF Amplifier \$800: Bob 941 2824 Vista.

(1-22) Kenwood 2m xcvs (1)Mod 785 (\$200) & (2)Mod 7950 (\$250ea) all w/PL/manuals: A1 N6GNB 741 1840

Escondido.

(1-20) Bencher YA-1 Low-pass Filter \$30; TS-820S service manual \$10: Duane AA6EE 789 3674 Ramona.

(1-11) StyleWriter printer for the MAC, almost Lazer Quality for Matrix price \$350: Jo KB6NMK 741-2560 Escondido.

HIGHWAY ELECTRONICS: parts, (new/old), military. Ask 4NICK 967-7225 2 C if open (10-3pm) 305 WISCONSIN AV. OCEANSIDE CA

(11-18) SINCLAIR Digital multi-meter, Heathkit 3" single-trace O'scope, 32v@2A variable pwr supply, Heathkit digital electronics study course, Heathkit VTVM all at \$5 each: Erwin K6Z00 727-6489 San Marcos.

(10-22) 3ea KENWOOD PB21 nicad battery packs \$12ea; Kenwood battery charger for Trio Kenwood xcvr \$5: Bernice N6WQR 433 0711 Oceanside.

WANTED

a few good men

(3-25) Swan MARC II linear for parts: Duane WB6R 753 4821 Cardif.

(3-25) Kenwood TM631A or 641A 2m-220 rig; ICOM 500Hz IF filter FL52A; and ICOM pwr sup PS-35: Dennis N6KI 271 6079 Mira Mesa.

(3-20) Need 75-TH triodes gud cond: Nash W6HCD 728 3574 Bonsall.

(3-1) Kenwood receiver R1000, R2000, Yaesu FRG8800, Drake R-8 etc: Henry Palmer 744 6187 San Marcos.

(2-25) basket case ICOM-245 with good PLL chip: Ben W6PFE 722 3873 Ocsd.

(2-16) 1992 Callbooks ..will pay \$15/pair: Duane AA6EE 789 3674 Ramona.

(2-16) Need old ARRL Handbook and Radio Handbook for circuits showing old time mercury vapor rectifiers: Nash W6HCD 728 3574 Bonsall.

(2-25) TEN TECH PARAGON XCVR: Bob 941 2824 Vista.

(1-10) Kenwood TS-700A MANUAL or COPY: Dennis N6KI 271 6079 Mira Mesa.

(1-7) AMIGA OWNERS: ur Amiga is an ideal computer & if U need ham shareware or have some for exchange, contact: Bob KC6VDX 758-9078.

SWAP MEETS/NETS

OCEANSIDE: Meets on the 2nd Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers \$13. If you are selling only a few items, you might want to double up with others to reduce your individual sellers cost. Be sure to not get caught in the right hand lane. Ham, Electronics & Computers are the SHORT line in the left hand lane. Keep to the left and drive back to where Larry-AB6LY has the PARC booth. This swap meet replaces the Cucamonga swap meet which folded last year.

Larry-AB6LY and wife, Kay, set up the PARC booth with banners and signs and manned it during the morning hours with help from Jim-KD6IVF. Thanks for a job well done and we hope that in the future we will get more help for Larry and Kay at the swap meet so they don't have to be on duty all of the time. You get one activity point for helping.

MEMBERSHIP

Ralph-KC6WAN Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and an autopatch information sheet should send me a self-addressed envelope (SASE) requesting same at the club's address in Vista.

If the club is to reach a membership of 700 by July 31st 1993, we will have to meet the following goals:

1993	Goal	Actual	Diff
Jan 31st	640	620	-20
Feb 28th	650	646	-4
Mar 31st	660	669est	+9
Apr 30th	670		
May 31st	680		
Jun 30th	690		
Jul 31st	700		

WHO and WHEN will be number 700? Invite a friend or someone on the repeater to become a member. If we don't hit 700 by July 31st, we will have to wait until sometime in 1994 for it to happen.

We suspect that the Ham classes starting April 5th will bring in new

members so we might make 700 by July 31st if everyone keeps pushing! -SK-
PLEASE- IF YOU MOVE, send us your address early so that we can send the SCOPE to your new address otherwise it costs the club 35c and you loose an issue.

I would like to have you check your label after paying your dues to verify that your dues payment has been properly posted. Errors, if any, are more easily fixed sooner rather than later. Most members receive their SCOPE 5-6 days before the next club meeting. The SCOPE is mailed on a Tuesday afternoon, eight days before the club meeting.

RENEWED: Larry-AB6LY(3yr), KD6Z-Herb N6FYJ-B111

THANKS to all those who renewed for more than one year allowing me more time for several important projects.

A SPECIAL WELCOME TO JACK CORNELL, W6MMO, ONE OF THE ORIGINAL FOUNDING FATHERS OF THE PALOMAR AMATEUR RADIO CLUB IN ESCONDIDO IN 1936. Jack is an active amateur, lives in Fallbrook, alive and well, has an EXTRA class license, and was first licensed in 1935. Jack is the only 1936 charter member who is a member of the PALOMAR ARC.

NEW MEMBERS: WD6DRI-David KD6FZQ-Dianne N66V-Mitch N6GDT-Nancy KD6REU-James KD6RFR-Jaime KD6RSQ-Chuck KD6RZY-Brian K6QQ-John KK6G0-Ed KD6PQA-Sue Rayda Santrach

CHANGES: Mike-KC6KCQ to AB6QT; Jeff-N6WDN to AB6PV; Terri-N6UZH to 7845 LaMesa Blvd, LaMesa 91941; Larry-KC6PRH, POB 2827 Twentynine Palms CA 92277-1056; Steve-KD6GMN, 4329.5 Newton Ave, SD CA 92113-3430; Allen-KB6IME, 4821 Del Mar Ave, SD CA 92107-3406; David-KC6WCW, 2168 Carol View Dr Apt B105, Cardiff CA 92007-1854; Will-N6MQV, 129 Glendora Ave, Long Beach CA 90803-3445.

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

BADGES: PARC name badges are \$1ea - Contact John-W6OLQ at meetings or 672-3891 SD. The following badges (with notice number) are ready for pickup at the next club meeting:

KUIY(6) WT2Y(1) K3PXX(1) WB5BNH(2)
 N5QLG(1) KB6CPZ(1) KD6EUP(6)
 KN6FQ(2) N6GZP(1) N6JWF(1) KD6KHS(6)
 KD6KIR(1) KM6LF(6) KD6LUO(6)
 WA6MYC(5) N6RMM(4) KC6MWR(1)
 KD6PZB(1) KD6PZE(1) KD6RFJ(1)
 KD6RFN(1) KD6RFO(1) KC6TAY(4)
 WB6THH(6) KC6TLU(1) KC6TLW(6)
 KK6TV(1) KC6UGQ(6) KM6ZH(4)

Hurry! John might sell them to someone else! We would hate to see someone else wearing YOUR badge. If anyone knows these members and can get their badges to them, please see John at the next meeting.

- V E T E S T I N G -

(Rusty-AA6OM 747-5872)

N.Co.FCC LICENSE EXAMS by PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted.

VE info call 465-EXAM. Requests with ur paperwork to be sent to SANDARC, POBox 2456, LaMesa CA 91943, 10da B4 test date. 610 forms available: a)POB 2446, La Mesa CA 91943, b)HRO, 5375 Kearney Villa Rd, SD, c)Pac. Marine Supply, 2804 Canon St, SD, & d)club meetings.

TEST CENTERS:

1st Sat, El Cajon ARC, Mt. View Bapt. Church, 11108 El Nopal, SANTEE, Harvey-K6SK, 466-8219.

2nd Sat, Palomar ARC, Carlsbad Safety Center East end of Faraday, CARLSBAD, Rusty-AA6OM 747-5872.

3rd Sat, N.Shores ARC, Normal Heights Meth. Church, 4650 Mansfield St, NORMAL HTS (TB 61A2), Charles-WS6F, 461-9515.

4th Sat, Cortez Manor Rec. Club, 667 Garrett Ave, CHULA VISTA, Bob-NQ6R 422-3885.

Last Sat, EARS, N.Co. Blind Activity, 157 E.Valley Parkway, ESCONDIDO, Tom-N6CLO, 745-7194.

Most sites open at 10am.

MARCH 13 TESTING:

SEVEN ELEMENTS (5 candidates): 6 passes, 1 fail.

NONE->Tech: Al Lewallen & Bob McNally.

TECH->TECH+: Jeff Luftig.

TECH->GEN: Denning Perdew.

EXAMINING MAR.TEAM: Duane-WB6R, John-KK6IL, Paul-KB5MU, Bob-KE6VX, Jack-KI6JM, and Rusty-AA6OM.

73, Rusty-AA6OM, VE Team Leader

5 YEARS A G O G O

4-88: ..we hope more members will go "up one" and give the new repeater some use when .730 is busy (this is when 147.130+ was 147.735-) ..facetious net meeting at Marie Callenders, Del Mud ..program on MICROWAVES ..VE test crew was Tod-KI6ZM, Dan-WA6HYB, Pat-N6INN, John-NW6W, Ralph-K6HAV, and Lou-AA6DI hanchu for the last time ..88 at club meeting.

- N E T S -

The Wednesday evening SPANISH net is off and running the 2nd and 4th Wednesdays of the month. Those checking in were: KN6BN, W9FQN, W6HCD, KA6FPS, KD6HPQ, KD6JHAV, KD6JXP, AA6OM, KD6RFJ, WA5UZM, VE2VJO and WT2Y. Levels vary from beginning to native speakers with several net members being teachers of Spanish. The format will probably start out with basics, questions, and conversation for the more advanced.

If you are interested in joining the net, just check in some Wednesday evening when the net is being run. -SK-

PARC supports 22 nets throughout the week on the following repeaters:

146.730 NIGHTLY *****

MON. 1915 RACES N.C.Sub-Net

2000 S.Diego Co.Traffic Net

(except 1st Wed. club Mtg

Net managers::N6RV0/N6TJT

Mo-WA1ZEN,Tu-N6RV0,We-N6WVP

Th-W6EYP, F-N6TJT, Sa-N6NZX

Su-N6TEP

MON. 1915 RACES No. County
 MON. 2100 Microwave, N6IZW
 TUE. 2100 Pkt.Voice, KB5MU
 WED. 2100 Spanish, KA6FPS?
 2nd and 4th Wednesday
 SUN.0830 Emerg.Serv, W9FQN
 KB6NMK, W6HCO, N6NZX, KB6NZX
 WB6HFE, N6QQF, WA6UTQ, N6QJE
 W6JSP, N6WEG, N6WEF
 SUN.1000SAILING, W6QCA, AA6TR
 SUN.2100 ARES Plan., K6DCG

147.075 NIGHTLY Mo->Fr %%%%

1900 Code, AB6LY NetManager
 N6ZUC W9FQN N6NZX KB5MU
 2015 TUE MARA: KE6VX & WV6Z
 2000 WED HAM UPGRADE AB6LY
 2000 THU HAM HELP AB6LY
 KK6IL, N6YMD, KC6UQH
 AB6QT and others

**OTHER NETS %%%%**

MON.1930 RACES on 147.195
 NIGHTLY 1:30Z Maritime Net
 28.313 So.Cal. Mark-AA6TR
 SAT-SUN 2000 SSB on 28.340
 KD6AKT & WBOYQC
 MON->SUN KING HENRY's Round
 Table on 147.13 @ 2200
 Send updates to ur editor.

 # LETTERS to the EDITOR #

Ur Ed & Board reserve the
 right to print letters and
 edit as needed.

de Charles-N6TEP

(Continued de March) My point is that some of us should get together somewhere and hammer out a new regime governing the Palomar traffic nets ..it is not an accident that the Coast Guard offers a communications course to teach protocol, net discipline, and uniform practice throughout. Just because we are "amateurs", this is no reason we can afford to act amateurish and take a cavalier attitude toward responsibilities such as running a traffic net ..may be better to rigorously eliminate the dropouts from the roster and run the nets with a few dedicated regulars, than make it obvious by lengthy unanswered roll calls that

we are a lonely voice crying in vain in the wilderness.

There are real people at the receiving end of what we do. Doing it for free is no excuse for doing it badly. We are occupying much coveted spectrum space and need to use it wisely. I realize that not everyone can spend significant amounts of money on equipment, but everyone can at least indicate their dedication by being present for roll call and taking traffic. It is always the same few who handle traffic, even if an adequate number has checked in. We don't need spectators. We need participants! Some stations who check in faithfully, NEVER take any traffic. What good are they?

...if you would like to listen in sometime on MARS, tune to 7.363XX MHz USB on 40 meters (NNNOEYD, NNNOBZU, etc.) every afternoon at 1700 local time (2100Z). The RTTY portion of the transmission comes in at a slightly lower setting and is best zeroed in on by using an oscilloscope ..parameters are BAUDOT 75/170 ..try forward or reverse ..all their traffic is dispatched this way in short order and almost error-free ..they usually give you tuning time for RTTY by first transmitting a line of RYRYRYRYRYRY and THE QUICK FOX JUMPED OVER THE LAZY DOG etc etc., so you can get ready.

Anyone wishing to see the entire letter should see W9FQN at the next meeting -Ed.

TECHNICAL

SILENT KILLER READY TO STRIKE
 TO STRIKE, #4 by Tim-N6ZUC

Bump, hit, spike, surge, transient, brown out, all names given to the general term of line disturbance. No matter what name you give it, it will be deadly to your gear.

Most assume that the power we get when we "plug in", is clean and well regulated by the power company. Most of the time it is. But no

system is perfect. Sometimes things happen that are beyond human control.

An example of this might be a tree limb falling on a power line, severing it. All of the sudden, the load on the power grid is reduced. This unloading causes the voltage on the grid to rise sharply. This is what's commonly called a surge. The voltage might rise on a typical 117 volt line, to as much as 180 or 190 volts before the power company can lower the grid back to normal.

If you had a volt meter monitoring the voltage at this time, you would see the voltage instantaneously peak, followed by a slow reduction down to the nominal line voltage. This may take 15 to 30 seconds, or more. During this time your equipment is being damaged.

Another typical disturbance is the brown out. Usually this is caused when your local utility is unable to supply enough power to meet the demand of its customers. Anyone living in a hot climate will have experienced this during the summer months.

Low voltage, if stable, within reason, won't be a concern. Problem is, it's usually not stable, as it fluctuates with the load on the grid. Jumping up and down as air conditioners, etc., cycle on and off. This fluctuation can cause the real killer of solid state electronics -- transient spikes.

Transients, are in actuality, nothing more than distortion of the AC sine wave. This distortion, can be spikes, superimposed on the 60 Hz, (cycles for all the old guys), that is used for power here in the U.S. These spikes are normally only a few millionths of a second in duration, but can reach thousands of volts.

These short duration spikes that your old "fire bottle" rig would take in stride, can wreck havoc with the newer stuff. They love to eat power supplies, motors and microprocessors (computers). Every thing we buy and plug in would have an easier life if all it was fed was pure clean power.



Can we get pure, clean power? How much money do you have? Sure it's possible, but for the average ham it's not practical. There are U.P.S. Systems, (not United Parcel Service, but uninterruptable power source), that are absolute marvels. So fast, that the slightest change in line voltage can cause it to kick in.

These computer controlled wonders convert battery power to AC power. They can fill in brown outs, knock down surges, and will filter out the spikes. Everyone should have one, and a private jet, and a vacation home in Mexico. You get the idea -- they're expensive. So what's a ham to do? (continued next month)

NEWS

Contributions to -NEWS- should be sent to your editor by the 20th of the month.

There are many amateur related scholarships (\$500-2000) which parents should check out for their children going to college. See page 83 in the March 1993 QST. Some applications are due by April 30th.

SANDARC: new pres Bob-NY6J ..ARCEC T-hunt 1 & 3rd Sat ..TASMA by Greg-N6NYX ..elements 2 & 3A become effective July 1, 1993 ..\$23,766.29 in bank ..1994 convention with Frank-KI6YG Youth Activities Chmn. & Rich-KD6BF0 Facilities Chmn. ..for more info contact Harry-WA6Y00. SANDARC is the San Diego County Amateur Radio Council, Inc. made up of over 12 clubs in the SD Co area. PARC is a member club.

The Orange Coast Radio Control Club of Southern California, radio controlled airplanes, is sponsoring an R/C Marathon and Air Show at Baker, CA, May 15-16, 1993. If you want more info, contact your editor by phone or at the next meeting. -SK-

Members who participate in CONTESTS should send your editor where you placed after the results are published by the sponsoring organization. The SCOPE will then list the club members who participated and the club winners in

the SCOPE.

We would also be willing to publish a list of club members with the number of countries CONFIRMED and WORKED on phone/CW. Call or send the info to ur editor. -SK-

Some of our newer members asked what the number "73" and "88" meant in the February SCOPE. These numbers came from the CW hams who use short abbreviations to stand for more complicated phrases. The number "73" means "sincerely yours" and "88" means "love and kisses." So 73 to the OM's (old men which we ALL are) and 88 to the YLs (young ladies ..and they ALL are young). The number "57" was the number of years that we have been a club after first starting in Escondido in 1936.

Amateurs do not use the "10" codes of the CBers (ie, 10-4, 10-20, etc.). Hams use codes such as QSL, QTH, QSY, QRT, etc., BUT ONLY ON CW. -SK-

PARC has been selected by the American Radio Relay League to issue various awards: Rag Chewers' Club (RCC) and the Old Timers' Club (OTC) certificate. Applicants earn the Rag Chewers' Club award by "chewing the rag" for at least 1/2 hour and is made out to the applicant's callsign only. PARC will issue the first ten certificates and from then on you will need to be recommended by a holder of a certificate.

The Old Timers' Club certificate is available to amateurs who have been licensed at least 20 years. You must give us the year you were first licensed, and your call (both then and now).

The only additional qualification for these awards is that you have to come to a meeting to pick them up ..we want to see your face at our place!

PARC needs someone to administer the issuing of these certificates. It would be nice if you are a calligrapher or have a computer plus a printer for fancy printing. Please contact WA6Y00 if you can help. We don't expect more than several certificates per month after the program gets up and running. -SK-

L.A. CITY ANTENNA ORDANCE

effective Oct.1, 1992. 1) anyone may erect an antenna/tower assembly up to 45 feet by right. 2) amateurs may erect an antenna/tower assembly higher than 45 feet by authorization from the Office of Zoning Administration.

Authorization can be obtained by getting signatures of all your neighbors and a payment of a \$166 fee or you can submit your plans to the Zoning Administration folks with a check for \$332 and they will notify your neighbors and hold a public hearing.

Many surrounding L.A. Co. communities have been waiting to see the L.A. City ordinance before enacting their own. It wouldn't be bad if the height limit were 75 feet for amateurs. (de CROSSTALK a publication of the TRW ARC) -SK-

Your editor helped high school students obtain amateur radio licenses and was trustee for the high school station, K9IXS, for over 15 years starting in 1955. One of his former students, Pete Grillo, is now operating on JOHNSTON ISLAND as KH3C. If you hear him on CW (the only way to fly with a good fist), be sure to pass along my 73 to him: Stan-W9FQN. -SK-

P O T P O U R R I

TASMA Chairman: Greg Smith-N6NYX, 5511 Maryland Ave., La Mesa, CA 91942 (697-1475). TASMA deals with the coordination of two meter repeaters. -SK-

JOIN THE ARRL: When joining or rejoining the ARRL, do it via the Club which will receive a modest stipend otherwise going to the ARRL. Make your check payable to the Club and get it, with your membership application, to our Treasurer, Benton-KK6LX. NEW ARRL membership applications which include the PARC number (#1703), garner the Club \$5 - and it doesn't cost you a fat farthing more!

HAM STAMP PINS: Replica of ham postage stamp, \$5. Contact an officer at the next meeting.

73

Palomar Amateur Radio Club Enlistment / Re-enlistment Application

AMATEUR CALL	CLASS OF LICENCE N T T+ G A E	
ARRL MEMBER Yes No	DATE FIRST LICENCED	
LAST NAME	OLD CALLS	
FIRST NAME	DATE OF BIRTH	
STREET ADDRESS	RACES Yes No	
	ARES Yes No	
CITY & STATE	RED FLAG Yes No	
ZIP CODE	BLOOD DONOR	BLOOD TYPE
HOME PHONE #	WORK OR OTHER PHONE #	
THOS. BROS. MAP LOCATION.	INTERESTS	
LICENCE EXPIRES	PARC FAMILY MEMBERS	

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to Ralph, KC6WAN at club meetings. We prefer checks to cash, it's safer and you have a record.

Dues (including Scope) are \$12 a year per person or \$21 for a family living at the same address.

Consider paying for two or three years at a time to reduce the work for the membership chairman.

Call, name and complete address are required. Telephone number is requested but may be unlisted in roster if preferred. Other information may be omitted if you feel uncomfortable providing it to the club.

Comments: _____

[illegible]

INSIDE: See death notice page 7.

NON MEMBER: we thought that
you might like to consider
joining PARC because we have
noted your -->>

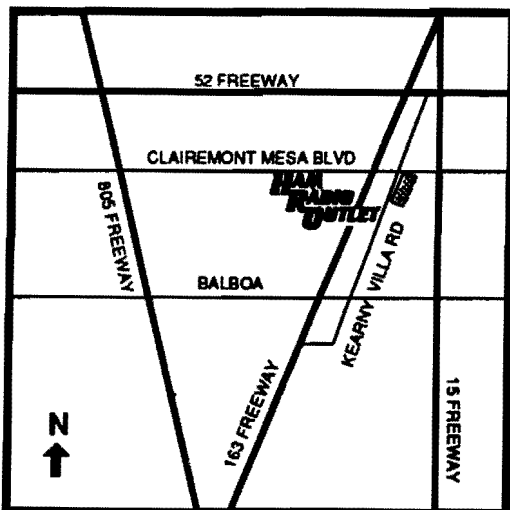
```

... interest in amateur radio
... new/changed license status
... request for information
... using 146.730 W6NWG/R
... using 147.075 W6NWG/R
... using 147.130 KA6UAI/R
... using 449.425 W6NWG/R
... using 147.175 WA6IPD/R

```

2nd Class
Postage
paid at
V I S T A
CA. 92085
-9998


Amateur Radio Today



To:

Ph.Codes-->
DELIVER
TO --->

	Membership	License
<Palomar Mt>	Expires	Expiration
VSTA/MMSA/LMSA/Fa1b/PRCyymm		LXyyrr



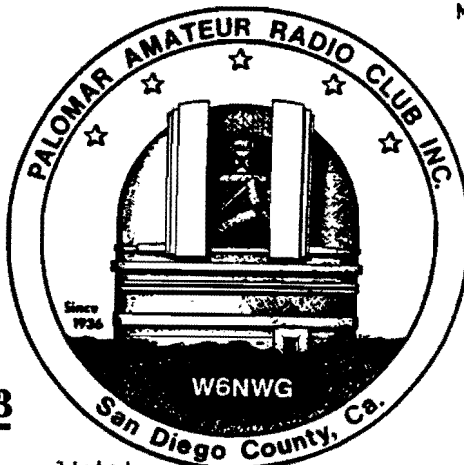
W6NWG W6NWG W6NWG W6NWG

Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073



MAY ***** 1993 ** 57 YRS
 ***** Volume XIX NO. 5
 ***** Published every month
 An ARRL Special Service Club
 WAS=___ WAC=___ DXCC=___

 May 5th Meeting WEDNESDAY
 Coffee 7pm and Mtg. @ 7:30pm
 Carlsbad Safety Ctr, Palomar
 Airport road to Camino Real,
 East on Faraday 1/4mi, left
 to C.S. Ctr., T.B. pg 14,F6.
 Talk in 146.730 / 147.130

 PARC FREQUENCIES USED:

* = PATCHes thru P.Mt.Rptrs.
 Covering 2,000sq.mi.SDCo
 ** = PATCH, local VSTA/FBRK
 %% = W6NWG, PARC, W6B-Ron
 (107.2 Hz used for all PL's)
 Load your memories with the
 PARC frequencies listed:
 145.050Pkt, W6NWG/"PALMAR"%%
 146.175+, PL, PATCH, Fallbrook
 . . . ** WA6IPD, Art Rideout
 146.520s, National Simplex
 146.535s, Palomar ARC Simplex
 . . . also Simplex Repeater
 146.700-, PL, RTTY, due Apr%%
 146.730-, (*PATCH-PL), P.Mt.%%
 147.075+, PL, no PATCH, P.Mt.%%
 147.130+, PL, *PATCH, P.Mt.
 . . . KA6UAI, Erik Thompson
 2mSimplex Emerg.Portable Rpt
 224.900-, PL, Palomar Mt.
 . . . WD6HFR, 220 Club of S.D.
 METROLINK Pkt 9600 baud %%
 446.000s, National Simplex
 446.400-, *PATCH, Kearny Mesa
 . Rpt/link to 147.13 KA6UAI
 449.425-, PL, *PATCH, P.Mt.%%
 AUTOPATCH OUTLET CENTERS:

WB6FMT-VSTA; WV6Z-MMSA
 WA6IPD-FBRK; N6IZW-LMSA

***** C A L E N D A R *****

May 3 Mon.RACES mtg Bldg12SD
 May 5 Wed.PARC Club Meeting
 May 8 Oceanside Ham SwapMeet
 May 8 Sat.PARC VE Carlsbad
 May 9 Sun Mother's Day
 May15 Armed Forces Day
 May22 N.Co.Young Ladies Club
 May31 Sun Memorial Day(30th)
 Jun 2 Wed.PARC Club Meeting
 Jun26-27 FIELD DAY FIELD DAY

- NEXT CLUB MEETING -

Art McBride-KC6UQH, VP and pro-
 gram chairman, has announced that
 the next club meeting will be
 Dennis-N6KI who will talk on our
 Field Day efforts PAST and FUTURE
 ..and possibly show some interesting
 video.

Art is also looking for a
 Picnic Chairman for the club picnic
 in October of this year. Responsi-
 bilities are minimal. Contact Art
 for more information before he
 starts twisting arms.

SHOW and TELL will feature
 whatever you bring. Talk to Art-
 KC6UQH before the meeting starts to
 reserve a time slot for your SHOW &
 TELL item(s).

When you come to club meetings
 be sure to visit the RACES station
 which is just across the hall from
 the meeting room. Ron-KM6MW and
 assistants are more than happy to
 give you a personal tour of the
 station.

W A N T to be a H A M ?
 (or Dial-a-Ham)

If you or a friend are inter-
 ested in becoming an amateur radio
 operator and/or in joining PARC,
 please contact one of the ELMERS

listed:

Harry, WA6Y00, 743-4212, Escondido
 Duane, WB6R, 753-4821, Cardiff

- LAST CLUB MEETING -

Attendance was 122 members, 17
 guests, for a total attendance of
 139. This probably sets a record for
 attendance.

A fantastic meeting with all
 sorts of home made antennas being
 shown: WA6Y00 J-pole + quad; N6ALA
 stacked 5el beam; KC6UQH loop, 7el
 yagi, HT ant, Quadifiler Holiy;
 KC6YSO 2m quad, 440 colinear, 6m J-
 pole; KI6JM UHF/VHF special (needs
 more coax!); WB6BKR 5el yagi; KD6EBY
 J-pole; N6YMD small 40m loop held up
 by biological principles; K3DLC
 beams 10-15-17m; KB6NMK T-hunt car
 tilted yagi; KM6MW 2mJ-pole, 20m
 dipole, Outbacker; KC6TYT tele-
 scoping 5/8 ground plane; AB6LY 1/4
 gnd plane, 10m 1/2 coaxial diapole;
 KC6NWR LC4ELQ 2m loop; N6ZUC 70cmJ-
 pole, 3el beam, 2m trunk mt; KN6BN
 mag mount; W9FQN HT antennas; KC6Y0X
 2m 3/8; KD6AKT 2mJ-pole, 2m gnd
 plane. WOW! A great program. Its
 great to see what our members are
 building.

The whole program was SHOW and
 TELL. If you have program
 suggestions, contact Art-KC6UQH,
 PARC's VP, with your ideas.

Dennis-N6KI again had a table
 with junk and hard to find items
 with 10% going to the club.

Art-KB6YHZ, Larry-AB6LY and
 Kay, again supervised the drink and
 goodie table. Members bringing in
 goodies were: AB6LY, KD6ECD, N6TCB,
 K6YGK, N6ISC, W6GIC, KC6QBD, KM6PY,
 KC6RNV, KD6TBY, & KD6VDX. The hungry
 herd appreciates your efforts.

The goodies were great and you
 were rewarded with "1" participation

FREE ADS FOR MEMBERS

ticket each (not per cookie ..or twinkie)!

LOST - FOUND

FOUND at last meeting: cookie plate (jar?) and heavy jacket with screwdriver ..plus assorted goodies!

- PRESIDENTIAL QRM -

WA6Y00 2435 Our Country Rd
Escondido, 92029, 743-4212

The Palomar Amateur Radio Club has surpassed its goal of reaching 700 members by July 31, 1993. Our member number 700 is Toby Brousil, a resident of San Marcos and who is attending our Novice course. Toby, welcome to the wonderful world of Amateur Radio and to the Palomar Amateur Radio Club.

Speaking of our Novice, Technician, General Class, we have over thirty students attentively hanging on every word from our Senior Instructor, Bill Smith, KB6MCU and trying to decipher the difference between the dits and dahs emanating from my tape recorder. We sincerely hope that they will all hang in there and will soon be licensed as new hams!



Joan Lovell

(619) 673-8500
Fax (619) 673-9070

11885 Carmel Mountain Rd., Suite 905
San Diego, CA 92128

My XYL and I attended the International DX Convention in Visalia (the garden spot of CA), 16-18 April. It was a well attended event with 671 dinners being served

at the Saturday night banquet. The speaker was Chod Harris, VP2ML, editor of the DX Bulletin and DX Magazine, who with great humor expounded on the future of DX. We didn't win any of the great prizes but maybe better luck next Year. This was the 44th annual event and there were two people in attendance who had been to all 44!

While at the convention I observed a demonstration of a trailer mounted crank-up tower built by Force-12 Antennas. As the club owns a boat trailer which can be modified, I took pictures from all angles and hopefully we can couple one of our military type tubular crank-ups with the boat trailer and enhance our capability to respond to emergency situations.

Oh, by the way, our membership is now over 715. Maybe we can reach 750 by the end of July. Bring your friends. And ..don't forget, mark your calendars for the last weekend in June. That's Field Day and Dennis, N6KI and Bill, KB6MCU will need all the help we can give to set up, operate, feed, log, cheer, take down, etc. We would like to three-peat as winners in the 5A category. Come to the May meeting to learn more.

73, Harry Hodges, WA6Y00

BOARD of DIRECTORS

PRESENT at board meeting -

Pres : Harry Hodges, WA6Y00

VP : Art Mc Bride, KC6UQH

Sec : Mike Garrison, WH6CH

RTech: John Kuivinen, WB6IQS

- also present -

Consti: Jack Hanthorn, KI6JM

Packet: Tim-N6ZUC (control)

Others: Bill-WB6MCU (training)

Visitors: Sybil-W6GIC, Frank-

KI6YG

ABSENT from board meeting-

Trustee: Ron Wilhelmy, WI6B

Club members are invited to attend these meetings to observe the Board of directors in action ..or non-action ..es (and) get an activity pt for attending! Harry's brownies were especially tasteee.

DISCUSSED: rosters, FD, property lines, meeting set up/down otherwise will be charged \$14 per meeting, camper, programs, storage of junk at WB6IQS/W9FQN QTH's, and other things too humorous to mention.

APPROVED: controller(\$150), duplexer(\$900), crystals(\$50, rosters(75c), 1 ea ticket for last month's antenna bringers.

BUDGET: Benton-KK6LX reports that PARC's financial picture is normal with 71% of the club year completed and no major surprises. Expenditures at the repeater site are at 38% but should catch up with expenditures being made by the end of April.

- NEWSLETTER HELPERS -

for Apr. 1993 SCOPE

W6OLQ, John Tentor, billing

KI6JM, Jack Hanthorn, folding

QTH and refreshments

Audrey, wife of KI6JM

KC6WAN, Ralph Powell, printing

of labels, Giant Computer

Virginia, wife of KC6WAN

N6QBD, Dick Gearhart, folding

KD6RFM, Emilio Spelgatti, fold.

W9FQN, Stan Rohrer, Editor,

SCOPE printing, P.O. Forms

Without these people life would be difficult, THANKS! If you live in Vista or near, we could use some extra help for an hour or so at 1pm. Call 598-0420 Tues, one week before the meeting @ 12pm. This equals 1 activity point and a lot of laughs.

- RECOGNITION -

CONGRATULATIONS to TOBY BROUSIL

of San Marcos for being the 700th club member! Toby is working on his ham license and we wish him the best of luck on the VE FCC test when he takes it. We now wonder who the 800th will be.

Mark-AA6TR for the donation of two fluorescent fixtures and tubes to be used in the new repeater building and the battery shed. With all of this light we might be able to find the alligator in the repeater building that keeps biting Mark!





HAM RADIO OUTLET

**"LARGEST HAM OUTLET IN THE WORLD"
ALL MAJOR BRANDS IN STOCK NOW!**

February is ICOM MONTH at HRO
February 8, ICOM DAY in San Diego



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Astron



K&K Electronics



AMERITRON



Larsen Antennas

KENWOOD



YAESU



Open:

10a.m. - 5:30p.m.

Monday thru Saturday

5375 KEARNY VILLA ROAD, SAN DIEGO

560-4900

or toll free 1-800-854-6046

Herb-N6QWE has moved from Oceanside to south county and Herb donated to the club some items before moving: Ringo Ranger 2m antenna, Drake W-4 wattmeter, Heathkit Capaci-tester, and assorted small parts. -SK-

Rusty-AA6OM, PARC's VE Chairman, donated to the club a taperecorder which seems to be doing a much better job at recording the autopatch calls. Wow! It has no WOW! Jerry-WB6FMT cleaned it up and made the connections to the autopatch system. It seems to be recoding the tones faithfully so that we can decode tones (telephone numbers) that we have questions about. One channel records the telephone conversation and the other channel the exact time of day and date. The old tape deck used to "trash" the Radio Shack time cube. The tapes are stored for a year and then re-used. -SK-

Mac-WB6GXR for offering to give to the club a camper which can be hauled on the bed of a 3/4th ton truck. We can use it for Field Day

and emergencies. -SK-

- EDITOR -

Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
749-0276, 11:30am or 9:45pm

A recent analysis of new amateurs in San Diego Co. indicates the following numbers for each age group: 10-19(2), 20-29(7), 30-39(13), 40-49(9), 50-59(5), 60-69(1) and 70-79(1). It looks as if amateur radio is hitting the "middle ages" and really missing out on the younger generation. -SK-

Most members are receiving their SCOPE the week before the club's Wednesday meeting. A few receive it on the Monday before the meeting. Please keep us informed if it does not reach you by the Tuesday before the club meeting. -SK-

The club has passed the 700th membership easily with Toby Brousil being number 700. Having 700 members means more labels, more time spent at the giant computer, heavier boxes

of newsletters, more post office problems, more users of the club's repeaters and autopatches, ...and more opportunities for service to the club and the community. -SK-

- REPEATERS -

TECHNICAL : John K. WB6IQS
KA6UAI trustT: Erik T. KA6UAI
W6NWG trustT: Ron W. W16B
AUTOPATCHES: JerryH. WB6FMT
145.050Rprr: John K. WB6IQS
146.175Rprr: Art R. WA6IPD
SimplexRprr: LarryR. AB6LY
146.730Rprr: Mike D. AB6QT
147.075Rprr: Art M. KC6UQH
147.130Rprr: Erik T. KA6UAI
70cMETROpkt: Paul W. KB5MU
449.425Rprr: Mike D. AB6QT
Pkt/Control: Tim L. N6ZUC
Batteries/G: DavidT. KD6EBY
6mRprrConst: Bill C. KC6KFQ
Site OPS : Stan R. W9FQN

THIS SPRING THERE WILL BE MANY WORK PARTIES AT THE REPEATER SITE. WE TURN OFF THE REPEATERS WHEN THEY ARE BEING MODIFIED AND WHEN THERE ARE CLIMBERS ON THE TOWER. YOU

SHOULD NOT BE SURPRISED TO FIND THE REPEATERS OFF THE AIR SUNDAY MORNINGS STARTING BETWEEN 10-11AM AND BEING TURNED BACK ON BETWEEN 2-5PM. THERE IS THE POSSIBILITY THAT THE 147.075 REPEATER WILL BE REMOVED FROM THE SITE FOR MODIFICATIONS (new controller) SOMETIME IN MAY. Announcements of work parties will be made on the Sunday morning ARES net at 8:30am. -SK-

The new 146.730 repeater built by Mike-AB6QT is up and working along with the autopatch connection. There is really no change in power output but the receiver appears more sensitive than the old 1975 repeater. The transmitter and receiver are still Motorola units which were purchased for \$15. Mike also built the 449.425 repeater for us but with more expensive Motorola equipment: \$80.

modifications and testing.

New repeaters generally require a "shake down" cruise before being declared completely operation so it might take several months or so to shake this new repeater down..but first indications are that it is basically operating properly. Mike's experience with the 449.425 repeater helped him with the new 146.730 repeater.

The new repeater does have a bug in the commercial controller which the manufacturer was not aware of and it was discovered on the 449.425 and 147.130 repeater controllers several months ago. The modifications that we made to get around the bug have resulted in the strange action of the beep in the beginning. When you heard the beep the timer was NOT RESET! The timer being used is in the transmitter (not the controller as it should be) and the timer is not reset except when the REPEATER TRANSMITTER turns off. THERE ARE GOING TO BE A LOT OF TIMEOUTS until you get used to it..and by that time we might have the new controller or a modification installed that functions properly with the timer reset at the beep.

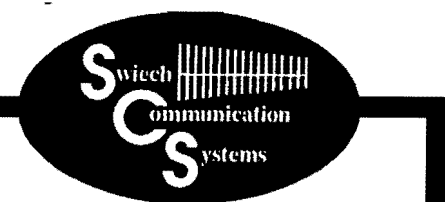
The first new controller that we buy (its ordered) will go in the 147.075 repeater and the 2nd one into the 146.730 repeater. -SK-

We hope to have the RTTY repeater on 146.700 up and working during the first two weeks in May. The cavities are ordered, we have an antenna, and John-WB6IQS is installing the RTTY circuits in the old 146.730 repeater. -SK-

Back in the "good old days" PARC agonized about installing the 145.05 digi-peater since it meant two 2m repeaters in the same building and in the same band..which leads to all sorts of problems: intermodulation, desense, white noise, etc. All of our repeaters are within three feet of each other and we are now operating on 145.05, 146.73, 147.075, 147.13 and getting ready to add a 146.7 RTTY repeater.

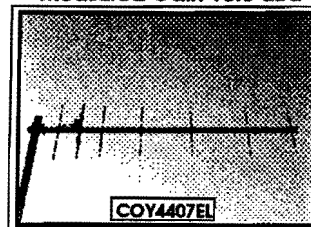
MANY THANKS to our technical staff lead by John-WB6IQS for

solving all the problems in making all of these repeaters work in the same band. -SK-

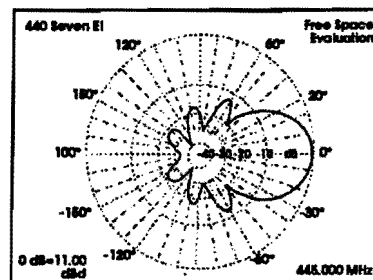


440-450 MHz Yagi Seven Element Optimized Design

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H-Plane beamwidth 50 deg
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Impedance 50 ohm
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Chemfilm Treatment On Brackets
Balanced Matching System
Two Part RTV Potting
Black Delrin Insulators



(619) 748-2286
Gene Swiech, WB9COY

PARC is always looking for talented club members who know their way around transmitters and receivers of the VHF and UHF variety. Our newest find is Bill-KC6KFQ who has converted quite a few Motorola Micor transceivers to the ham bands. We hope that Bill will be able to serve as a resource person at the repeater site and possibly take on a project (possibly 6m) from

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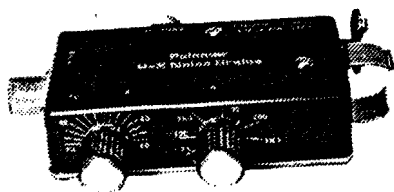
STCR - SHOP

COBRA FUZZBUSTER GE GALAXY K40 MAXON MIDLAND PAGE UNIDEN

Mike really needs to be congratulated on progressing so rapidly in amateur radio. It seems just like a few years ago that he was a CB operator. Now he is one of our primary technicians at the repeater site. Thanks to John-WB6IQS and Jerry-WB6FMT for helping and encouraging Mike with the two repeaters. Their advice was invaluable to Mike and Art-KC6UQH helped Mike with a lot of the 146.730 receiver and transmitter

time to time. Bill also visits most of the swap meets and will probably carry PARC's "shopping list" along with him. We hope that he will be able to help us with the Wednesday evening Spanish net starting the 2nd Wednesday evening in March. -SK-

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Phone: (619) 747-3343

- AUTOPATCHES - de W9FQN

New members should request an AUTOPATCH INFORMATION SHEET describing codes & areas covered by sending a SELF ADDRESSED STAMPED

ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY. Present access codes are listed on ur address label ..but YOU WILL NEED AN INFO SHEET on how to use the repeater codes. -SK-

The human EAR and the BRAIN are wonderful things. They are able to take bits and pieces of speech that are not heard very well (weak or distorted signals) and come up with complete word meanings that make sense ..but the autopatch system requires SOLID undistorted TONES and does not have the BRAINS (never will) to guess at a word (7-digit number) that you have dialed. If the patch does not respond properly, you probably have a poor signal. -SK-

QUESTION: what is the best way to get hold of a telephone operator or make long distance calls using the autopatch?

ANSWER: you can't ..without a control operator who has the proper codes ..only two have them at present. You can ONLY call 99% of San Diego County.

QUESTION: can I call up the boss or his good looking secretary and tell them that I will be late for work ..or ask if a letter has come in for me?

ANSWER: NO! This is directly related to business. If your being late would place workers in physical jeopardy, the call would be permitted. You could probably call home and have your wife call in that you were being held up by traffic. PARC does not like hearing calls to places of business ..especially when you do not BLOCK their commercial. -SK-

DO REMEMBER: give your call sign before shutting down the patch with a "#" even if it was a "miss-dial." -SK-

- WORK PARTIES -

(4-19) Art-KC6UQH and Stan-W9FQN visited the Microwave meeting at Kerry-N6IZW's QTH to evaluate a microwave device which the club has access to 20 of the units. It appears to be transmitting on 10.250GHz at 10-15mw using a 26db built-in dish antenna. Its IF is

about 130MHz. The units could be used for point to point communication.

(4-18) Art-KC6UQH, John-WB6IQS, and Stan-W9FQN put the 70cm collinear back together with the modified feed system by Art. Resonance was great in the 70cm range. The antenna will be taken to the mountain on the next trip.

(4-13) Mike-AB6QT Tuesday afternoon replaced 15A fuse with a 20A fuse, corrected the transmitter frequency (replaced crystal) which was 1Khz low, beep circuit turned off, and fixed the transmitter timer so that it would not drop the autopatch after 2 minutes. The autopatch timer is still about 2.5 minutes. Left several problems to solve on the next trip. -SK-

(4-10) David-KD6EY trouble shot the new 146.730 repeater which stopped working. He found a 10A fuse blown and replaced it with a 15A. The fuse was to be replaced with a higher unit after testing but somehow got overlooked. The repeater was down from Friday afternoon until Saturday morning (10th). David was helped from the ground (Escondido) by Art-KC6UQH.

(4-4) Art-KC6UQH and Stan-W9FQN took the bottom section off the the club's 2m collinear which was previously modified to lower is frequency. Art is going to examine the antenna's matching system to see if some of our impedance problems are associated with the matching section.

(4-4) Bob-WA6QQQ ran tests on the club's repeaters (except for watts) and noted the following:

(Rcvr)	(Xmtr)	(Watts)	(Freq)
146.730	0.0	0.0 Db	45>21 -1.1KHz
147.075	-8.0	-6.5 Db	40>20 -.8KHz
147.130	-2.0	+10.0 Db	45>21 -.1kKHz

These readings were taken in Fallbrook which is the northern edge of our coverage area and are complicated by the repeater antennas being of different types and located at different locations and heights on the 80' tower.

The 147.130 repeater 4-bay antenna (9db) is at 60' on the left side of the tower which is the

Fallbrook side of the tower. The 146.730 antenna is a corner reflector (8.1db) at 40' on the face of the tower. The 147.075 collinear (9db) is on the right side (away from Fallbrook) of the tower at 40'.

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**W7HKI Larry
W7HKL Maxine**

**10% of all sales
to PARC members
goes to the club**

(3-29) Mike-AB6QT and Art-KC6UQH replaced the receiver in the new 146.730 repeater with one more sensitive.

(3-30) Mike-AB6QT and Art-KC6UQH tromped thru the snow to the repeater site and replaced the old 146.730 repeater with the new

146.730 repeater built by Mike. Art brought his test equipment and all autopatch levels were adjusted for proper operation. They had to shovel the snow away from the front door before they could get in the building.

WORK SCHEDULED 1993

- 1) install AC wiring in new building.
- 2) install the 146.700 RTTY repeater.
- 3) add controller to 146.075 and add the autopatch connection.
- 4) replace the controller on 146.730.
- 5) repair 2m 4-bay at top of tower.
- 6) repair 70cm collinear.
- 7) replace the old autopatch system.
- 8) install additional alarms.
- 9) tack weld the tower for lightning.
- 11) replace 449.425 transmitter.
- 12) there are lots of other items too humorous to mention.

If you can help with any of these projects or have some "neat" ideas of your own, contact Stan-W9FQN, John-WB6IQS, or Art-KC6UQH. We need "grunts" as well as skilled personnel.

FIELD DAYS past

Field Day is the last full weekend in June and a lot needs to be done before our 24 hour emergency exercise.

The following are what we believe were the locations of PARC Field Days since 1936:

Yr	Location	Score
93	Valley Ctr FQN QTH	??K
92	Valley Ctr FQN QTH	13.5K
91	Valley Ctr FQN QTH	14K
90	Valley Ctr FQN QTH	12K
89	Valley Ctr FQN QTH	8K
88	Valley Ctr FQN QTH	6K
87	Valley Ctr FQN QTH	6K
86	Valley Ctr FQN QTH	5K
85	Valley Ctr FQN QTH	4K
84	Valley Ctr FQN QTH	..K
83	Valley Ctr KZ6Z QTH	..K
82	Valley Ctr KZ6Z QTH	..K

We know W6NWG was used from 1982 on ..possibly before?

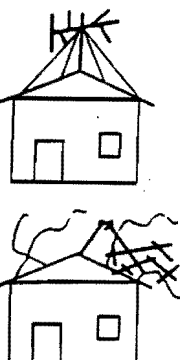
81	..	..K
80	..	..K
79	Camp Pendleton	..K
78	Camp Pendleton, B.S. Camp	..K
77	Camp Pendleton, B.S. Camp	..K

76	Valley Center	..K
75	La Costa	..K
74	La Costa	..K
73	..	..K
72	Hill above I-15	..K
71	..	..K
70	..	..K
69	Wilt Pad Fallbrook	10K
68	Wilt Pad Fallbrook	..K
67	Wilt Pad Fallbrook	..K
66	Fallbrook Air Park	..K
65	Fallbrook Air Park	..K
64	Oceana	..K
63	Mira Costa Site	..K
62	Mira Costa Site	..K
61	..	..K
60	Palomar Mountain	..K
59	..	..K
58	..	..K
57	Morrow Heights Bonsall	..K
56	..	..K
55	Mt. Encino, CB	6K
54	..	..K
53	Buddy Todd Park, Ocsd.	..K
52	Buddy Todd Park, Ocsd.	..K
51	Buddy Todd Park, Ocsd.	..K
50	..	..K
49	Buddy Todd Park, Ocsd.	24K
48	Mt. Soledad	13K
First use of W6NWG		
47	Mt. Soledad	.. 13K
46	Del Mar Heights	.. 4K
45	.. W A R	..
44	.. W A R	..
43	.. W A R	..
42	Mt. Soledad	.. 8K
41	Mt. Soledad	.. 8K
40	Mt. Soledad	.. W6BKZ 4K
39	Tepee, Escondido	.. ..K
38	Tepee, Escondido	.. ..1K
37	..	.. ..K
36	..	.. ..K

If anyone has some extra time and access to old QST magazines, we certainly would appreciate it if you could look up some of these locations and scores. It is possible that only "Old Timers" would be able to do this since the club could have been operating under one of the club member's call which could be recognized by an OT. Some of this information would be in the Section News, Southwestern Division of QST magazine, sometime after June and where they report the scores around November. We would also appreciate any additions or correc-

tions to the above information.

It would also be interesting to find out if the scoring rules have changed over the years since some of the early scores seem quite high compared to our scores in the 90's ..where WE KNOW we were doing about the best that could be done.



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate! Radio systems installation, repair and removal, and interference resolution.

Edward Ross, N6GZI
542-1405

Antenna Specialties



- F O R E S A I L -
Yawl ketch on?

Phone or send ads to Editor's QTH, W9FQN, (see Editor) before the 20th of the month with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are \$40/page to \$5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line.

SELLING the 54' heavy duty crank up tower dropped off in my front yard. Club members 1st at \$600. - W9FQN for PARC 749 0276.

(4-22) Kenwood TS-820S xcvr \$450; AT-200 tuner \$125; SP-820 skpk \$50; MC-50 mic \$35; PC-COM modem new \$60: Duane AA6EE 789 3674 Ramona.

(4-22) Collins KWM-2 w/pwr sup \$550: Lou ND6W 437 8351 Coronado.

(4-16) Kenwood TL-922A 1kw amp w/3-500Z's mint w/manual \$1,150: Krist W6KTE 941-3555.

(3-27) TriX tubular crankup tilt over twr 38'->20' 15mi free

delivery: Scottie KH6TL 727 8836 Vista.

(3-22) Alinco 2m-70cm DJ-580T hardly driven (2mo), ALNA-AL800 ant, pouch, 2bat 7.2v @ 1500ma \$430: Tom Brannin 753 8485.

(3-20) Rohn Twr 40' HDX free standing + rotator break, CDE CD44 rotator + cable and control, SWAN Triband 10-15-20m beam TB-3A all \$250: Mac NH6EW 945 7391 Ocsd.

(2-4) G6-144B 2m ant 6db unused orig box \$100; ICOM IC-24AT 2m/70cm HT, large BP-84S 1400maHr battery, BP-82 300maHr, wall charger, \$400/offer: Mike WB6CSH 481 0770 DelMar. NOTE THAT THE PHONE NUMBER IS NOW CORRECT!

(2-25) LK-500ZC HF Amplifier \$800: Bob 941 2824 Vista.

(1-11) StyleWriter printer for the MAC, almost Lazer Quality for Matrix price \$350: Jo KB6NMK 741-2560 Escondido.

HIGHWAY ELECTRONICS: parts, (new/old), military. Ask 4NICK 967-7225 2 C if open (10-3pm) 305 WISCONSIN AV. OCEANSIDE CA

(11-18) SINCLAIR Digital multi-meter, Heathkit 3" single-trace O'scope, 32v@2A variable pwr supply, Heathkit digital electronics study course, Heathkit VTVM all at \$5 each: Erwin K6Z00 727-6489 San Marcos.

(10-22) 3ea KENWOOD PB21 nicad battery packs \$12ea; Kenwood battery charger for Trio Kenwood xcvr \$5: Bernice N6WQR 433 0711 Oceanside. NEW ARRL books: Repeater Directory, \$5.95; Now You're Talking II, \$17.95; Handbook, \$23.95; Antenna Book, \$17.95. Callbooks, \$24.95. Call Duane, AA6EE, 789-3674

***** WANTED *****
a few good men

PARC WANTED LIST:

- 1) PIPE 2'-3", OD 1-2.5" for Field Day pole stands.
- 2) CARGO CONTAINER for repeater site. Looking for something under \$2K ..if possible.

(4-5) Need 730 or 520: Hod Leun 406-763 4576 Montanna.

(3-25) Swan MARC II linear for parts: Duane WB6R 753 4821 Cardif.

(3-25) ICOM pwr sup PS-35: Dennis N6KI 271 6079 Mira Mesa.

(3-20) Need 75-TH triodes gud cond: Nash W6HCD 728 3574 Bonsall.

(3-1) Kenwood receiver R1000, R2000, Yaesu FR68800, Drake R-8 etc: Henry Palmer 744 6187 San Marcos.



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(2-25) basket case ICOM-245 with good PLL chip: Ben W6PFE 722 3873 Ocsd.

(2-16) Need old ARRL Handbook and Radio Handbook for circuits showing old time mercury vapor rectifiers: Nash W6HCD 728 3574 Bonsall.

(2-25) TEN TECH PARAGON XCVR: Bob 941 2824 Vista.

(1-7) AMIGA OWNERS: ur Amiga is an ideal computer & if U need ham shareware or have some for exchange, contact: Bob KC6VDX 758-9078.

S W A P M E E T S / N E T S

OCEANSIDE: Meets on the 2nd Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers \$13. If you are selling only a few items, you might want to double up with others to reduce your individual sellers cost. Be sure to not get caught in the right hand lane. Ham, Electronics & Computers are the SHORT line in the left hand lane.

Keep to the left and drive back to where Larry-AB6LY has the PARC booth. This swap meet replaces the Cucamonga swap meet which folded last year.

Larry-AB6LY and wife, Kay, set up the PARC booth with banners and signs and manned it during the morning hours with help from Jim-KD6IVF. Thanks for a job well done and we hope that in the future we will get more help for Larry and Kay at the swap meet so they don't have to be on duty all of the time. You get one activity point for helping.

- MEMBERSHIP -

Ralph-KC6WAN Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet should send W9FQN a self-addressed envelope (SASE) requesting same (see Editor's address). -SK-

Club membership rosters are published free in September or October of each year but are available to club members as soon as we can come up with a copy price.

-SK-

The US Post Office furnishes change of address cards for when you change address. Please use them. It costs the club \$0.35 for the Post Office to send us a correct address of where you moved to. You might also sneak in your new telephone number on the card when you send it to us. -SK-

Well, we passed our July 31st goal of 700 members in the middle of April and we probably should have set the goal at 750. At the rate we are going we will probably have that one wrong too!

I would like to have you check your label after paying your dues to verify that your dues payment has been properly posted. Errors, if any, are more easily fixed sooner rather than later. Most members receive their SCOPE 5-6 days before the next club meeting. The SCOPE is mailed on a Tuesday afternoon, eight days before the club meeting.

RENEWED: George(3yr9mo), KD6GMS-Kyle(3yr), KC6HTZ-Bill(3yr), KB6PLH-Mat(3yr), K6ERW-Chuck, N6FYJ-

Bill.

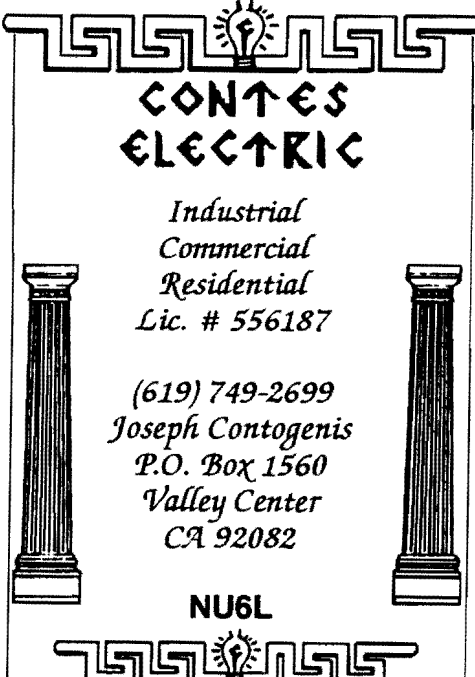
THANKS to all those who renewed for more than one year allowing me more time for several important projects.

NEW MEMBERS: N6FMK-Bill(3yr), N66IZW-Kerry(3yr), KD6RFQ-Gerald(2yr), KD6OUM-Chris(2yr), N1LRQ-Luanne, KS4E-John, N4TZK-Ken, WD6AHX-Wayne, KD6DCE-Bent, KD6EFQ-Roger, N6EYM-Andy, KD6FHQ-Paul, KJ6FN-Ken, KF6GN-Larry, KK6G0-Ed, N6GDT-Nancy, W6GIC-Sybil, N6GZP-Henry, KD6HP0-Bayard, KE6IX-John, W6JLU-Don, N6JWF-Elinor, KD6LNX-Ryan, N6NTZ-Hilton, KM6PE-Craig, KB6PLH-Mat, KD6PQA-Sue, K6QQ-John, KD6REU-James, KD6RFR-Jaime, KC6RNV, KD6RSQ-Carlson, KD6RZY-Brian, KD6SXZ-Arnold, KD6SYE-Tito, KD6SZ0-Bob, KD6TBY, KD6TCT-Gerald, KD6TLF-Bill, KD66TVG-Sam, N6GU-Mitch, KC6WZA-Stan, N6XCC-Jim, NH6ZF-John, WA7BIA-Arnie, N7TTO-Jim, N7WW0-Russ, N6ZFP-Lori, WA9LFR-Jim, Joyce Black, Toby Brousil(#700), Eugene Chappee, Sydney Chavasse, Don Davis, John Evans, Jan Gallo, Roger Gurley, Yoonne Harris, Tony Iemma, Andrew Kincaid, Joanna Lannin, Mark Miranda, Bob Montgomery, Sherry Munster, Chuck Rininger, Becky Seay, Jim Swope, Jack Thoreson, Cora Topacio, Barbara Trapp, Pete Uehling

CHANGES: WD6FWE-Don to 2598 Fortune Way, Vista; KC6TYX to KN6IP; N6ID & KA6IVB to 5504 Horse Ridge Way, Bonita 91902; Dick Lawhead to 988 Grouse, El Cajon 92020; N9AKB to 11 Dryer Ave, Victor NY 14564; KK6YB to POB 261704 SD 921966; W60VP to 8002 NE Hwy 99 #246, Vancouver, WA 98665; KB6GKE to 1639 S. Myers #8, Oceanside 92054; K66ERW to 4016 Rogers Rd, Spring Valley 91977; n66FSQ to 30130 Miller Rd, Valley Center 92082; KC6TYQ to 25169 Jesmond Dene Rd, Escondido 92026; KC6VDW to 960 Brighton Ct, Vista 92083; K6Z00 to 13554 W Countryside Dr, Sun City West, AZ 85375; KD6JXK to 1520 Savin Dr, El Cajon 92021; KC6WCW to 2700 N. Hayden Rd #3096, Scottsdale AZ 85257; N6ZSY to 620 Westledge Ct, Des peres MO 63131.

New members joining late in the month will be included in next month's SCOPE ..or the next. And if

we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.



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NU6L

BADGES: PARC name badges are \$1ea - Contact John-W60LQ at meetings or 672-3891 SD. The following badges (with notice number) are ready for pickup at the next club meeting:

KD6EUP(7)	KD6KHS(7)	KM6LF(7)
KD6LU0(7)	KK6NS(1)	KM6PE(1)
KD6PZB(2)	KD6PZE(2)	N5QLG(2)
KB7RAG(1)	KD6RFJ(2)	KD6RFM(1)
KD6RFN(2)	KD6RFO(2)	N6RMM(5)
KC6TAY(5)	WB6THH(7)	KC6UGQ(7)
KU1Y(7)	KM6ZH(5)	

Hurry! John might sell them to someone else! We would hate to see someone else wearing YOUR badge. If anyone knows these members and can get their badges to them, please see John at the next meeting.

- V E T E S T I N G -

(Rusty-AA60M 747-5872)

N.Co.FCC LICENSE EXAMS by PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted.

APRIL 10 TESTING:

ELEMENTS: 10 candidates, 18el, 15 passes.

NONE->Tech: Ed Moore(+), Mike Robinson(+), Suxanne Robinson, Gordon Smith, Greg Steffen, Linda Stouffer.

OTHER: Nick Pifer(el-2) & Jim Saba(el-2).

REGISTERED U.S. PATENT ATTORNEY

723-0620

Loyal M. Hanson - W9WV
Fallbrook, California

EXAMINING APRIL TEAM: N6RUV-Steve, W6YYV-Sam, WA6HYC-Bill, AA6UQ-Jack, AA6TR-Mark, K16JM-Jack, KE6VX-Bob, & Rusty-AA6OM.

73, Rusty-AA6OM, VE Team Leader

5 YEARS A GOGO

5-88: ..thanks to Buck-WW6E for keeping the Vista antenna ordinance moving in the right direction ..show and tell had a converted CB rig to 10m by N6KI ..thanks to Clint-W6OFT, we had a good turnout of old timers in amater radio: W6DOS (1921), W6SE, and W6JRQ ..76 members plus 29 guests (115).

- N E T S -

Your editor now has several code practice programs for the C-64 computer. Anyone wanting copies should see me at the next club meeting.

PARC has so many nets going that it is getting to be a pain to keep the Net Controls preamble sheet

up to date. If there is interest, we could install a voice unit on Palomar Mountain which would announce the information needed and net controls could "call up" the voice unit at the appropriate time. Anyone interested in this as a club project? -SK-

Net Controls of Special Interest Nets should remember that when questions are asked by net members that it would probably be wise for you to ask if there is anyone on the net that would like to answer the question. If you get no takers, then feel free to answer the question. If you don't let some of the more knowledgeable hams answer questions, you will probably find as time goes by that they will drop out of the net. After questions are answered by net members, you as net control always have the option of "putting in your 2 cents worth." -SK-

Fruit That Fights Cholesterol!

A study by Australian researchers indicated that people on a avocado regimen of .5 to 1.5 avocados a day saw their cholesterol levels go down significantly from an average of 236 to 217.

The study group showed a 8.2% reduction of cholesterol while those on a "low fat" diet reduced theirs by only 4.9%.

Avocados preserved levels of HDL cholesterol (the good cholesterol) that actually removes the really bad cholesterol!

W9FQN will have some of those great "Fat Reducing Fruits" at the next meeting and will donate some avocados to the club which they will sell at the next meeting.

The CW practice net on Monday thru Friday on 147.075 needs more net controls who can generate CW with a computer. You don't have to be an expert CW operator. You only need to be able to generate the code for one evening a week. If you can act as a backup to a regular net control, please let Larry-AB6LY know of your availability. Stan-W9FQN has computer programs for Radio Shack,

IBM compatibles, and Comodore C-64's. Please, we need net controls AND BACKUPS.

Monday . . AB6LY . Larry
Tuesday . . WA6Y00 . Harry
Wednesday . W9FQN . Stan
Thursday . AB6LY . Larry
Friday . . N6ZUC . Tim

We really need 2-3 more members who can send code via computer. Larry needs to be replaced from time to time and we need several backups for when other net controls can't make the net.

PARC supports 22 nets throughout the week on the following repeaters:

146.730 NIGHTLY %%%%%%%%%%

MON. 1915 RACES N.C.Sub-Net
2000 S.Diego Co.Traffic Net
(except 1st Wed. club Mtg
Net managers::N6RV0/N6TJT
Mo-WA1ZEN,Tu-N6RV0,We-N6WVP
Th-W6EYP, F-N6TJT, Sa-N6NZX
Su-N6TEP

MON. 1915 RACES No. County
MON. 2100 Microwave, N6IZW
TUE. 2100 Pkt.Voice, KB5MU
WED. 2100 Spanish, KA6FPS
W6HCD W9FQN

2nd and 4th Wednesday
SUN.0830 Emerg.Serv, W9FQN
KB6NMK, W6HCD,N6NZX,KB6NZA
WB6HFE,N6QQF,WA6UTQ,N6QJE
W6JSP,N6WEG,N6WEF
SUN.1000SAILING,W6QCA,AA6TR
SUN.2100 ARES Plan., K6DCG

147.075 NIGHTLY Mo->Fr %%%%
1900 Code, AB6LY NetManager
N6ZUC W9FQN WA6Y00 KB5MU
2015 TUE MARA: KE6VX & WV6Z
2000Wed LicenseTheory AB6LY
2000 THU HAM HELP AB6LY
KK6IL, N6YMD, KC6UQH
AB6QT and others

O T H E R N E T S %%%%%%%%%%

MON.1930 RACES on 147.195
NIGHTLY 1:30Z Maritime Net
28.313 So.Cal. Mark-AA6TR
SAT-SUN 2000 SSB on 28.340
KD6AKT & WBOYCC
MON->SUN KING HENRY's Round
Table on 147.13 @ 2200
Send updates to ur editor.

EMERGENCY NEWSPARC HF EMERGENCY STATIONS:

No.Co. Harry-WA6Y00

SanDiego Dennis-N6KI

In emergencies PARC will support the above stations for emergency traffic on the 3.5-30MHz amateur bands going into and out of San Diego County with operators, generators, VHF/UHF traffic nets, etc. Support will be provided to all emergency organizations requesting it.

FACTS: a)SDCo covers 4,200 sq miles, b)there are 2,500,000 people, and c)7,000 amateur radio stations. Thats: a)595 people per sq mile, b)1.7 hams/sq mi, c)357 people/ham. Our repeaters cover about 2,000 sq miles of the most populated portions of the county.

The March'93 emergency information on page 6 has the following corrections or additions:

RACES: Jo-KB6NMK is station manager for Escondido.

RED FLAG: they do not receive workman's compensation.

The ARES organization has requested that the Sunday evening ARES net on 146.730 be returned to the club Emergency Service net on Sunday mornings at 8:30am. The Sunday morning net will again become an ARES net but will also be a vehicle for desiminating information for all emergency organizations: RACES, EVAC, Red Flag, MARA, etc.

PARC has a large number of 38 Ahr portable, emergency batteries, tnx to Parviz-KD6BCU, which can be used during public service events and emergencies. Remember, 38 Ahr will run your HT at full power for many days. Every HT should have battery alligator clip cords plus a J-pole made out of 300 ohm twinlead which you can roll up and put in the glove compartment to be used in emergencies.. -SK-

- A R E S -

ARRL:SecMgr John Fulton WR6J

Ramona, 788-0824

ARES:John-KI4EX 292-1432 SEC

...Paul-KD6ACW 562-2421 Ast

NORTH COASTAL DISTRICTS EC->

WD6AHX Wayne Dewey

Local District EC's:

Camp Pendleton, Oceanside,
Carlsbad, Encinitas, Del
Mar, etc.needed....

NORTH INLAND DISTRICTS EC->

Dennis Shirrel, K7DCG,
Home 748-9046, Work 748-7712
24hr packet on 145.070

Local District EC's:

Bonsallneeded....
Escondidoneeded....
Fallbrook WD6DHW Bill Dewey
Fairbanks Ranch ..needed....
Powaw KC6KWV Chuck MacDonald
R.Bernardo W1LE Dick Hay
R.Penasui' KC6TYR Roy Eyman
Ramona WB6NJY Jerry Boyd
Rinconneeded....
San Marcosneeded....
SDCo'Estates AA6PC JR Thomas
Valley Centerneeded....
Vistaneeded....

Emergencies 146.730 with
overflow on 147.075/147.130
Net: 146.730 Sunday 8:30am

ARES stands for Amateur Radio
Emergency Service and handles all
types of emergency traffic not nor-
mally handled by other organiza-
tions. Communications are provided
to: Fire units, local police & fire,
health & welfare messages, and as
requested by ARES.

The ARES organization holds a
pancake breakfast at the Normal
Heights church at 8am the 2nd Satur-
day of each month with the meeting
starting at 9am and is located at
4650 Mansfield (805>Adams>Mansfield)
Thomas Brothers 61A2. Everyone is
welcome.

Since the 146.730 repeater has
been designated for ARES use, ARES
does not need permission to operate
during emergencies but needs to ask
permission for drills so that the
use of the repeater is properly
scheduled.

For more information contact
the nearest ARES official above
whose section you reside in.

- N E W S -

Contributions to -NEWS- should
be sent to your editor by the 20th
of the month.

CONGRATULATIONS to Challenger
JrHs' new ham, Ryan McCollum, who's

new call is KD6TXI.

Monday May 3rd, 1900 hrs, there
will be a RACES meeting at 5555
Overland Rd., SD, in the E.O.C. room
of Bldg # 12. The program will be on
"Sheriff's Dogs", "Search & Rescue
Dogs", and dogs from the US Customs.
(Dee-N6ELP)

Dee-N6ELP (753-5647) is
looking for four hammy hams (OMs) to
play parts in the Wouff Hong
initiation for the 1994 South West
Division conference. This is the
last weekend in August. -SK-

-PARC APPLICATION-	
Dues \$12/yr +\$9 for family.	
Call _____	Expires _____
Name _____	
St. _____	
City _____	
State _____	Zip _____
Phone _____	
WrkPh _____	
License Class N T T+ G A E	
ARRL Yes No /Birthdate _____	
Unlisted home phone No. Y N	
List family members and calls on separate sheet.	
Mail checks to PARC, P.O. Box 73, Vista CA 92085-0073	
Receipt of newsletter or cancelled check is ur only confirmation of membership.	

The North Copunty YL (young
ladies) Club meets every other month
at members homes. Meetings are
usually held on the fourth Saturday
of the month at 11:30 A.M. A pot
luck luncheon is shared by members
and any OM who cares to attend. The
OM have their own gathering and fel-
lowship while the ladies have a
short business meeting. For
information on the next meeting
please contact Dee-N6ELP at 753-5647
or Marguerite-W6LND at 492-9512. -
SK-

SK-SK-SK-SK-SK-SK SK-SK-SK-SK-SK-SK

We regret to report the passing
of Lloyd Hunt-W6TFB's wife on March
28th and Bill Whipple-N6COU's wife
on March 30th. Lloyd is one of the
club's faithfull newsletter helpers
at our "folding-stapling" parties
and Bill used to operate the PARC's

giant computer generating mailing labels and keeping track of club members. Bill also helped with folding-stapling.

SK-SK-SK-SK-SK-SK SK-SK-SK-SK-SK-SK
Chuck-N6TJT was in the hospital for an 11 hour operation and should be back at his QTH by the last week of April. Chuck has been a faithful member of the evening San Diego County Traffic Net and we wish him well. -SK-

Nash-W6HCD and the Flying Samaritans (Samaritanos del Aire) are looking for helpers to help out at the El Testerozo medical-dental clinic and the Tecate Eye Clinic. They can use medical doctors & technicians, Spanish speakers, runners, and secretaries. If you can help contact Nash at 728-3574. They also can use old eye glasses at the Tecate Eye Clinic. The next clinics are May 16th, and June 20th. These are "drive to" clinics in contrast to the Rancho Rosarito which is a two day "Fly-to" clinic. -SK-

According to Ted-KD6AKT, some of the 146.730 morning repeater users go out for breakfast the 3rd Saturday morning of each month and everyone from north county is invited. They started out at Denney's and lately have been at the Flying Bridge Restaurant in Oceanside. Check with the morning "going to work" group on .73 for the latest information. -SK-

The ARRL Foundation will sponsor 16 scholarships for the 1993-94 academic year with a total of 22 actual grants to be awarded in amounts from \$500 to \$5,000. More info in the May QST.

Sometimes there is the need or interest in looking up the ADDRESS of a ham whose call letters you have forgotten but you can remember his last name. Your editor has a NAME INDEX call directory for 1984 which could be used to contact OLDER hams. If you just remember their last name and approximate age, there is a good chance we can find them. There are IBM files on Hams that can be searched selling for \$49 and it might be something the club would be

interested in some time for a PARC BBS system. -SK-

QSL BUREAU FOR THE USA

Purpose of The QSL Bureau for the USA is to promote the exchange of QSL Cards in the states. By using the Bureau, you will not need a call book, send to only one address, lower mailing cost, No Fee for receiving QSL's. Just send up to four, 4x9 (#10) SASE's with your call in UPPER LEFT CORNER.

To send cards, place the call of receiving station, on the address side in large letters. Friends, Clubs, etc. can combine cards to lower cost. Presort by call Area, and alphabetically. Enclose \$1/25 cards.

Send to: USA BUREAU, P.O.Box 309, Magnolia Springs, AL. 36555. Spread the word on the air "QSL VIA USA BUREAU" "Operated by KB4TOX".

FIELD DAY INFORMATION: Dennis-N6KI would like to remind club members that Field Day is next month and that we need help: SET UP, OPERATE, SUPORT, and TAKE DOWN. There are lots of areas that you can help with before, during, and after the FD competition.

The new TECH station will not count against our station count of 5A so TECHs should plan on operating this station. We will have equipment on 6 meters, 2 meters, 70cm (450) and of course, for those qualified, we will have the NOVICE CW frequencies available on the HF bands. If you can copy CW from 5 to almost 13wpm, we shure can use you ..in fact, why not put off that FCC 13wpm exam until after FD.

More information will be given at the next club meeting when Dennis shows pictures of some FD's past and brings us up to date on FD activities.

Dennis also is looking for several hams to take care of the club's generators during the 24 hours so that operators can concentrate on operating and not have to run out to check gas levels. -SK-

***** TOP 20 *****

- DXCC and W.A.S. -

COUNTRIES & STATES CALL-WORKED-CONFIRM-STATES

1	WA6Y00	317	314	50-50
2	AA6TR	150?	....	-
3	AA6EE	106	....	-
4	*AA6TR	2	....	10-
5	W9FQN	1	1	-
6	.....	.....	.....	-
20	.....	.....	.....	-

*= running 1 watt CW

Please send in your WORKED-CONFIRMED and STATES to the editor for publication so we can see who the top 20 are in the club. At present ur editor is in 5th place after 23 years of living in California.

There are presently 326 countries but about 70 have been "done away" with for one reason or another so it is possible that a person could have worked almost 400 countries over the years. Most ARRL lists at present show about 350 as the maximum credit given. -SK-

The following contest results were turned in:

Sept. CQ Worldwide DX SSSB Contest:
 163Q,43Zs, 68Coun. 42,065pts, AA6EE
 Oct. CQ Worldwide DX CW Contest:
 211Q,74Zs,106Coun. 93,420pts, AA6EE

1929 ARRL November Sweepstakes

CW KA5Q-Ken, 2nd place single op,
 SD Section

N6KI-Dennis, 8th place SD
 SSB N6KI-Dennis, 1st place SD & 3rd
 in the USA multi-op

Ops: KC6VEC, KI6IM, KM6XA, N6RUV,
 N6UZH, N6WDN, WB6NBU

(had clean sweep of 77 sections)

When you are in a contest please send ur editor ur scores as soon as they are published.

 - F U N N I E S -

Contributions to this column are encouraged - W9FQN.

Mark-AA6TR, one of our local CW hams, relates a conversation overheard at HRO the other day. A ham came in to return a CW filter which he had bought for his Kenwood HF transceiver. The ham behind the counter wanted to know what was wrong with the filter ..and the ham

who bought it said that he installed it according to the instructions but that when he turned on the transceiver that he could still hear CW! -SK-

In 1958 W9LRA produced the best method yet for saving bandwidth. He removes one sideband with conventional filtering, but leaves the carrier. The other sideband is then removed by phasing. Finally, the carrier is interrupted at periodic intervals in an agreed-upon way to signal the other operator. The FCC says it's legal! (Wonder who will be first in the club to make a contact with this new mode? -Ed)

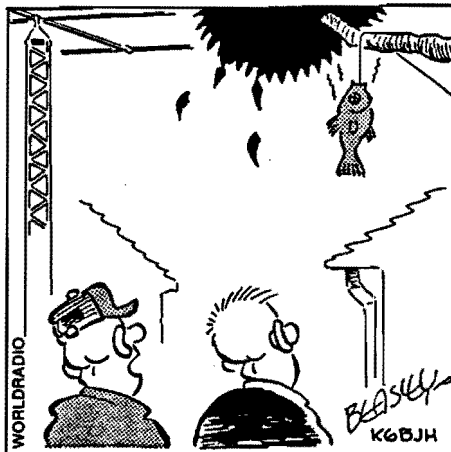
P O T P O U R R I

TASMA Chairman: Greg Smith-N6NYX, 5511 Maryland Ave., La Mesa, CA 91942 (697-1475). TASMA deals with the coordination of two meter repeaters. -SK-

JOIN THE ARRL: When joining or rejoining the ARRL, do it via the Club which will receive a modest

stipend otherwise going to the ARRL. Make your check payable to the Club and get it, with your membership application, to our Treasurer, Benton-KK6LX. NEW ARRL membership applications which include the PARC number (#1703), garner the Club \$5 - and it doesn't cost you a fat farthing more!

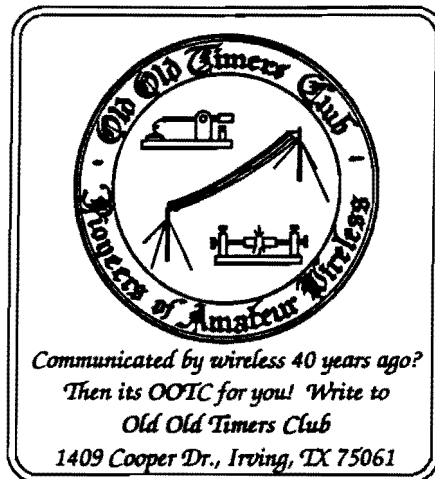
HAM STAMP PINS: Replica of ham postage stamp, \$5. Contact an officer at the next meeting.



I ASKED DAVE TO BRING HIS FISHING POLE AND LINE AND HELP ME STRING A LONG-WIRE THROUGH THE TREES



YOU HEARD WHAT HE SAID --- HE WAS TRYING TO TELL US A VERTICAL WAS BETTER THAN A HORIZONTAL



SCOPE, USPS 076530, published monthly by #
the PALOMAR AMATEUR RADIO CLUB, INC #
Post Office Box 73, Vista CA 92085-0073 #
Dues \$12 for 12 months of membership. #

POSTMASTER: Send changes to -> SCOPE, #
P. O. Box 73, Vista, CA. 92085-0073 #

NON MEMBER: we thought that you might like to consider joining PARC because we have noted your -->>

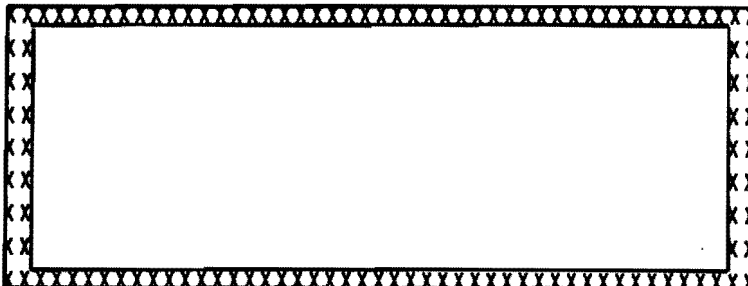
- ...interest in amateur radio
- ...new/changed license status
- ...request for information
- ...using 146.730 W6NWG/R
- ...using 147.075 W6NWG/R
- ...using 147.130 KA6UAI/R
- ...using 449.425 W6NWG/R
- ...using 147.175 WA6IPD/R

2nd Class
Postage
paid at
V I S T A
CA. 92085
-9998

To:

<Palomar Mt>
VSTA/MMSA/LMSA/Falb/PRCyymm
Membership Expires License Expiration
LXyyrr

Ph.Codes-->
DELIVER
TO --->



QUARTER CENTURY WIRELESS ASSOCIATION, INC

Licensed at least 25 years ago?
And licensed now.
Then you should belong to the
Quarter Century Wireless Association

For information write:
159 E. 16th Ave.
Eugene, OR 97401-4017

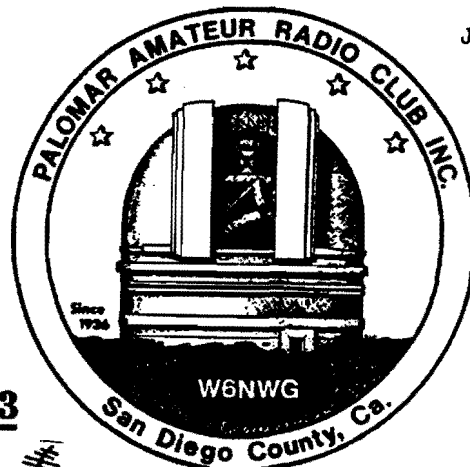
W6NWG W6NWG W6NWG W6NWG

Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073

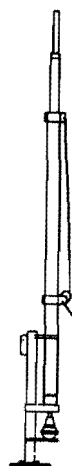


JUNE ***** 1993 ** 57 YRS
 %%%%%%%%% Volume XIX NO. 6
 %%%%%%%%% Published every month
 An ARRL Special Service Club
 WAS= WAC= DXCC=

June 2nd Meeting WEDNESDAY
 Coffee 7pm and Mtg. @ 7:30pm
 Carlsbad Safety Ctr, Palomar
 Airport road to Camino Real,
 East on Faraday 1/4mi, left
 to C.S. Ctr., T.B. pg 14,F6.
 Talk in 146.730 / 147.130
 %%%%%%%%%
 PARC FREQUENCIES USED:

* = PATCHes thru P.Mt.Rptrs.
 Covering 2,000sq.mi.SDCo
 ** = PATCH, local VSTA/FBRK
 % = W6NWG, PARC, WI6B-Ron
 (107.2 Hz used for all PL's)
 Load your memories with the
 PARC frequencies listed:
 145.050Pkt, W6NWG/"PALMAR"%
 146.175+,PL,PATCH, Fallbrook
 . . ** WA6IPD, Art Rideout
 146.520s, National Simplex
 146.535s,Palomar ARC Simplex
 2mSimplex Emerg.Portable Rpt
 146.700-,PL, RTTY, due Jun%
 146.730-,(*PATCH-PL),P.Mt.%
 147.075+,PL,no PATCH,P.Mt.%
 147.130+,PL, *PATCH, P.Mt.
 . . . KA6UAI, Erik Thompson
 224.900-, PL, Palomar Mt.
 . . WD6HFR, 220 Club of S.D.
 METROLINK Pkt 9600 baud %
 446.000s, National Simplex
 446.400-, *PATCH,Kearny Mesa
 . Rpt/link to 147.13 KA6UAI
 449.425-, PL,*PATCH, P.Mt.%
 AUTOPATCH OUTLET CENTERS:

WB6FMT-VSTA; WV6Z-MMSA
 WA6IPD-FBRK; N6IZW-LMSA



EVERYONE IS INVITED TO PARTICIPATE IN FIELD DAY!

***** C A L E N D A R *****

Jun 2 Wed.PARC Club Meeting
 Jun10 Thu.PARC Board Meeting
 Jun12 Oceanside Ham SwapMeet
 Jun12 Sat.PARC VE Carlsbad
 Jun19 Sat. EVAC Exer. Ramona

 Jun25 Fri. F.D. Setup at 1pm
 Jun26-27 FIELD DAY FIELD DAY

 Jul 2 Wed.PARC Club Meeting
 Jul31 Sat.END PARC CLUB YEAR
 AUG?? ???Picnic in October!
 AUG 1 Sun.START PARC CLUB YR
 (RENEW EARLY)

- NEXT CLUB MEETING -

IF YOUR LABEL READS 9307, THEN
 YOUR MEMBERSHIP ENDS JULY 31ST AND
 THE LAST NEWSLETTER YOU WILL RECEIVE
 IS THE AUGUST SCOPE WHICH IS PRINTED
 AND MAILED JULY 27th.

Art McBride-KC6UQH, VP and program chairman, has announced that the next club meeting will be Vic Burns, KI6IM, on contesting in Belize with slides and comments. Also the latest information on Field Day by Dennis-N6KI.

PARC is looking at ways of making the meetings shorter by reducing the time intervals assigned for meetings activities.

Art is still looking for a Picnic Chairman for the club picnic in October of this year. Responsibilities are minimal. Contact Art for more information before he starts twisting arms.

SHOW and TELL will feature whatever you bring. Talk to Art-KC6UQH before the meeting starts to reserve a time slot for your SHOW & TELL item(s).

IF YOU NEED A RIDE TO CLUB

MEETINGS BECAUSE OF HEALTH PROBLEMS (EYES, COORDINATION, FEAR OF DRIVING, NO WHEELS, ETC), SEND YOUR NAME, CALL, AND PHONE NUMBER TO THE CLUB'S ADDRESS 10 DAYS BEFORE THE NEXT MEETING AND WE WILL SEE IF WE CAN GET YOU A RIDE. IF YOU WOULD LIKE TO SHARE RIDES, CONTACT US.

When you come to club meetings be sure to visit the RACES station which is just across the hall from the meeting room. Ron-KM6MW and assistants are more than happy to give you a personal tour of the station.

W A N T to be a H A M ? (or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator and/or in joining PARC, please contact one of the ELMERS listed:

Harry, WA6Y00, 743-4212, Escondido
 Duane, WB6R, 753-4821, Cardiff

- LAST CLUB MEETING -

Dennis-N6KI showed us some really great video of a very sophisticated (and expensive) DXpedition and past video of PARCFD activities. Attendance was 135 (120 members and 15 guests) ..we still need help in setting up chairs ..so come early.

SHOW and TELL: John-WB6BKR had a signal strength meter that operated only on the voltage and a power meter, Joel-KM6XA had a 2m 30w pwr amp, and Art-KC6UQH showed off the new controller/mixer for the 147.075 repeater and the repaired dipole element of the 2m 4-bay which was broken over a year ago in one of the Palomar Mountain storms. The repaired 4-bay will be returned to the mountain to be used with the 146.730 repeater.

Radio Fun

EVERYONE IS INVITED TO PARTICIPATE IN FIELD DAY!

Dennis-M6KI again had a table with junk and hard to find items with 10% going to the club.

The 26 sacks of donated avocados to PARC by Stan-W9FQN went fast at \$1/bag of four. We might have to try that again. Remember, avocados are the good kind of fat that reduces the bad kind! For June we might bring in some guacamole ..if someone can bring in several kinds of seasoning and some crackers! Contact W9FQN is you would like to help with a guacamole table.

Art-KB6YHZ, and Larry-AB6LY (missed you Kay) again supervised the drink and goodie table. Members bringing in goodies were: KI6JM, AB6LY, KM6PY, N6ISC, WA6Y00, N6TCB, WB6GXR, KB6YHZ, KC6QBD, & W6GIC.

The goodies were great and you were rewarded with "1" participation ticket each (not per cookie ..or twinkie)!

BOARD of DIRECTORS

PRESENT at board meeting -

VP : Art Mc Bride, KC6UQH
Sec : Mike Garrison, WH6CH
Members: Ralph KC6WAN
SCOPE: Stan Rohrer, W9FQN
Trustee: Ron Wilhelmy, WI6B
Packet: Tim-N6ZUC (control)

- also present -

Consti: Jack Hanthorn, KI6JM

Others: Bill-WB6MCU(training)
FD: N6KI, KB6MCU, AB6LY, N6YMD
Visitors: Sybil-W6GIC

ABSENT from board meeting-

Pres : Harry Hodges, WA6Y00
RTech: John Kuivinen, WB6IQS

Club members are invited to attend these meetings to observe the Board of directors in action ..or non-action ..es (and) get an activity pt for attending! Sorry about the brownies -W9FQN.

The Board meeting was chaired by Art-KC6UQH and ended at 9:30pm.

DISCUSSED: property line problems; new net preambles; Field Day; finance; bringing Karl to FD; PARC folder; balance \$8,553.01 (future dues \$3,400, equip \$800, with rest operating: Field Day, SCOPE, SDG&E, postage, phone, picnic

allocation, misc.)

Surplus or non-allocated money at the end of July 31st is placed in the Equipment Fund for the 1993-4 year. Towards the end of the year the club always APPEARS to have surplus money because of NEW memberships for 12mo and RENEW memberships for 12-24 months. We still think we can survive on memberships being held at \$12/yr. One non-club group charges \$35 (+\$25 initiation fee) which gives them more "toys" to play with but PARC feels that five 2m repeaters, two 70cm repeaters, four autopatches, free VE Testing, #1 Field Day(5A 92&93) and an amateur radio club atmosphere is the best you can do in San Diego County for \$12.

APPROVED: \$300 for FD (flip mast, wheel, boxes, mast bases, etc); W9FQN to represent club's interests on road committee serving our PM site; 90day test of "RTTY Net" at 8:30pm Sunday on 146.700 & "This Week in San Diego" Sunday 9pm on 146.730; \$85 100cup coffee pot.

Please contact one of the board members for more info on the meeting.

- NEWSLETTER HELPERS -

for May, 1993 SCOPE
W6QLQ, John Tentor, billing
KI6JM, Jack Hanthorn, folding
QTH and refreshments
Audrey, wife of KI6JM
KC6WAN, Ralph Powell, printing
of labels, Giant Computer
Assoc. Bob McNally, folding
WA6Y00, Harry Hodges, Staples
W9FQN, Stan Rohrer, Editor,
SCOPE printing, P.O. Forms

Without these people life would be difficult, THANKS! If you live in Vista or near, we could use some extra help for an hour or so at 1pm. Call 598-0420 Tues, one week before the meeting @ 12pm. This equals 1 activity point and a lot of laughs.

- RECOGNITION -

Hod Luhn-W6UCN/7 for information on the PARC property when he owned it. (his letter will be published soon) -SK-

Ellen-N6UUV for the 4-pages of

info about one of your editor's old physics students, Lon-KFOPA, from Elkhart, Indiana. They met on the HAM RADIO section of Prodigy and from their conversation about the De Luz fire, Ellen was able to learn that they both knew your editor. I was Lon's physics teacher, and trustee of the high school club station, K9IXS, when he was in the HS Club in 1963. It is always good to hear from some of my students of over 30 years ago. -SK-

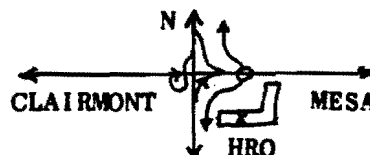
Jo-KB6NMK for up-dating the club's 6-panel brochure which needs to go through another printing. Jo's husband, Knoby, is undergoing radiation treatment, but still from time to time shows up for the SCOPE folding-multilating get-togethers. We wish him well. -SK-

REGISTERED U.S. PATENT ATTORNEY

723-0620

Loyal M. Hanson - W9WV
Fallbrook, California

Dan-WA6HYB for a very pretty QSL card and comments about PARC not having a membership card. This has been discussed by the board but we have not been able to come up with a cheap way of doing it ..and still keep the dues \$12. Possibly we could staple it inside the SCOPE but that would take a lot of extra work. We might also hand them out only at meetings since ALL GOOD MEMEBER come to our meetings! Possibly it could be done in conjunction with the PARC "business" card Jo-KB6NMK has been working on for the club.



Open:
10a.m. - 5:30p.m.
Monday thru Saturday

560-4900

or toll free 1-800-854-6046

5375 KEARNY VILLA ROAD, SAN DIEGO

Duane-AA6EE for a copy of the DX Bulletin and FCC Form 610A, "Application of Alien Amateur Radio license" which is a permit for foreign hams to operate in the United States. -SK-

Frank McClosky for the donation of 25 items of test equipment to Challenger Jr.Hs. -SK-

Ray-KK6CA for the donation of a PB-26 battery pack with 2 sets of inserts.

RE M I N D E R

If the last for digits on your mailing label are 9306, THEN THIS IS YOUR LAST NEWSLETTER!

If they are 9307, then your membership runs out this year (93) of July (07) and it is time to renew NOW for 93/94.

MOVING? Remember to send us your new address PDQ so you keep getting the SCOPE and we don't get charged by the Vista PO for your undeliverable mail.

- E D I T O R -

Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
749-0276, 11:30am or 9:45pm

IT IS THAT TIME OF YEAR FOR MOST OF OUR MEMBERS TO RENEW THEIR MEMBERSHIP WHICH ENDS JULY 31ST. See renewal info on page 7 and 12.

PARC is still one of the least expensive clubs with repeaters. Our dues are \$12/year which we have had for years while other clubs have raised their dues over the years. Some groups with repeaters charge \$16, \$20, \$40, \$65, \$80, etc. per year and some also have "initiation" fees added to the first year: \$10, \$25, & \$50. Just think! You get an active CLUB with many programs plus repeaters for \$12/year. If we ask for an SASE sometimes or ask you to pay for something extra, just remember that we are trying to hold the line on our \$12/year dues. -SK-

- R E P E A T E R S -

Palomar Mountain lost power on April 28th and we sure miss the

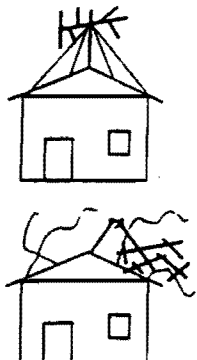
battery power beep on the 146.730 repeater. The new controllers will have a battery power indicator something like the old beeper on .73. Since 147.075 is slated for the first controller it will be the first one with an emergency power beeper. -SK-

The new 147.075 controller will probably be installed sometime during the first few weeks of June along with an autopatch connection. This repeater will probably be taken off the mountain for 3-5 days while modifications are being made. If any nets are missed on 147.075, they can be found on 146.730: code at 7pm, MARA Tuesday at 8:15pm or after the 8pm traffic net, and the HAM THEORY and HAM HELP nets at 8pm will follow the 8pm traffic nets. Possibly the evening traffic net can move to 147.130 after 8:15pm to make room for the displaced nets on 147.075. -SK-

The 146.700 RTTY repeater should be in place also during the first two weeks in June. It will require an RTTY signal plus a PL of

107.2Hz to get into the repeater. Your RTTY signal will be decoded at the repeater, regenerated at RTTY audio frequencies with 170cps shift, and re-transmitted. Please let us know about any problems you have with this new repeater. The project is being held up by a backorder on the duplexer (RF filters).

Many packet units do have the RTTY mode in them so in most cases all you need is an audio connection from your packet unit to the mic input of your HT or transceiver. GOOD LUCK!



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate! Radio systems installation, repair and removal, and interference resolution.

Edward Ross, N6GZI
542-1405

Antenna Specialties

- AUTOPATCHES -
de W9FQN

New members should request an AUTOPATCH INFORMATION SHEET describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY. Present access codes are listed on ur address label ..but YOU WILL NEED AN INFO SHEET on how to use the repeater codes. -SK-

Please keep your calls under 60 seconds. The autopatch is not a substitute for the telephone system. It is for emergencies and for QUICK exchanges of messages. THEN GET OFF THE PATCH. Someone might have an EMERGENCY on one of our other repeaters! -SK-



A survey of calls made indicates day calls are slightly over 60 seconds. Evening calls are less than 60 seconds and night calls much longer than 60 seconds! The Vista patch outlet handles 69% of all calls made thru the system. -SK-

SORRY -the patch was turned off Tuesday morning at 1:30am because of improper operation ..and I forgot to turn it on until late Tuesday afternoon. When the patch is turned back on it usually locks up the 147.130 and 449.425 transmitters until the timeout timers reset in three minutes. If you find those repeaters "locked up", don't be concerned unless it runs past three minutes. -SK-

- WORK PARTIES -

(4-25) John-WB6IQS removed the old 146.730 repeater which was taken to his QTH to be modified for RTTY use. Art-KC6UQH and Stan-W9FQN measured distances on the incoming road for a possible road maintenance agreement. Stan took pictures of the disputed property line. Mike-AB6QT fixed the new 146.730 repeater timer so that it works on "drop out."

Victor-KM6IM climbed the tower and removed the 2m 4-bay antenna which has a broken element. W9FQN watched for once. Vic replaced the antenna with a 3-el beam on a temporary basis. Discussions were held on equipment to be moved to the new building: 146.730, 147.075, 449.425, 147.130, and autopatch system. We also photographed our boundary problems for future action. -SK-

(4-26) Mike-AB6QT returned to the site and completed the modification to the defective controller. The repeater now resets its timer on loss of your transmitter carrier and you will hear a beep to confirm loss of carrier.

(5-15) Art-KC6UQH and Stan-W9FQN finished sealing the 70cm 11db collinear and it is now ready to go to the mountain with the 9db 2m 4-bay antenna. -SK-

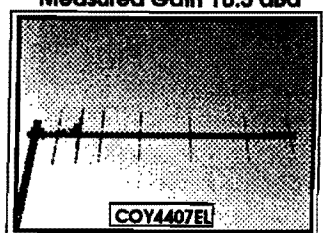
(5-16) Jim-KC6PAS and Mike-AB6QT visited the site Sunday

morning to find out what damage had been done around the site after a near lightning hit blew a transformer at one edge of the site. Since the strike, we have had severe static noise which has been covering up weaker stations coming from several SDG&E poles. SDG&E replaced a blown transformer but we still have other pole noise problems. -SK-

Swiech Communication Systems

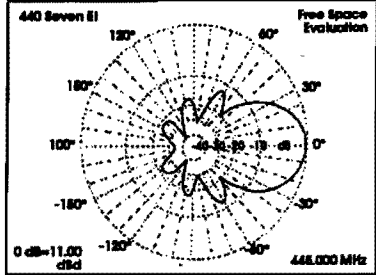
440-450 MHz Yagi Seven Element Optimized Design

Measured Gain 10.5 dBd



COY4407EL

H-Plane beamwidth 50 deg
Bandwidth 440-450 MHz
SWR < 1.7 at Band Edge
Impedance 50 ohm
Silver Plated Teflon N Connector
Maximum Power 500 Watts
Chemfilm Treatment On Brackets
Balanced Matching System
Two Part RTV Potting
Black Delrin Insulators



440 Seven El Free Space Evaluation

0 dB = 11.00 dBd

446.000 MHz

(619) 748-2286
Gene Swiech, WB9COY

(5-18) B111-KB6MCU and Orlando-N6QVW visited the Field Day site (W9FQN QTH) to make measurements on items needed, locate

FREE ADS FOR MEMBERS

needed items, and haul off several donated beams that will be converted to 17m.

**AMERICAN
EXPRESS**

**Travel
Agency**

Representative

Loreen H. Wilhelmy, CTC
Senior Travel Consultant
N6RAO

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FIELD DAY 1993

de Dennis-N6KI & B111-KB6MCU

Field Day is the last full weekend in June and a lot needs to be done before our 24 hour emergency exercise.

IF YOU CANNOT PARTICIPATE IN FIELD DAY (FD) AS AN OPERATOR (RADIO OP/LOGGING) THEN TRY TO GIVE THE CLUB AS MANY VHF/UHF (6m, 2m, 70cm) CONTACTS AS POSSIBLE. THEY WILL BE AROUND ON ALL BANDS.

If you give a contact to PARC from your mobile or home station, YOU CANNOT PARTICIPATE WITH PARC AS A RADIO OP/LOGGER AT THE SITE!

IF YOU ARE NOT PARTICIPATING AT THE SITE, PLEASE GIVE OUR VHF, UHF, HF CW and SSB stations a contact.

AND HOW ABOUT OUR NOVICE and PACKET STATIONS? Packet will be on 145.050 at the beginning of each hour looking for contacts. The novice stations will be using the call of N6YMD while the rest of our stations will use the famous W6NWG call of one of our 1936 founding fathers, Mel Bacon in Oceanside where "there are miles and miles of white sand."

DIRECTIONS: North of Escondido on I-15 about 11 miles, Gopher Canyon East 100yds, north on old 395 100yds, east on Circle R Dr. 2.5miles, south (right) .5mi where ALL THE PALM TREES AND ANTENNAS ARE LOCATED.

If you would like to participate in Field Day, we will start putting things up Friday afternoon (1pm) and begin operating 11am Saturday. Take-down is Sunday at 11am till ???

You will see stations at the FD site better than 99% of ALL Ham stations! If you are just getting started in Ham Radio, Field Day is the place to visit to see what is going on in the rest of the hobby besides 2m/70cm.

Contact one of the CH.OPs listed below for more information or to volunteer help and equipment. WE NEED GRUNTS! So plan on visiting the site to help with the many little things that need to be done. Pick out a station and see how FD is run and plan on helping out next year as an operator or a logger. Watch how the "pros" operate the frequency for maximum contacts. We are shooting for 5,000 contacts in 24 hours this year!

STATION #1: 20m SSB, CH.OP Dennis-N6KI, 271-6079, 4el 204BA, 40'crank, TS-940S, IBM 286, motor home, 2.2kw gen. OPS: N6KI, WF6L, N6RUV, WB6IQS. ???: KC6WPF, KM6WG, N6SUN, KI6IM.

STATION #2: 15m day & 40m nite SSB, Brian KF6BL, 945-0496, 15m 5el, 40m 2el, 40m sloper, 17m??, 40'crank, TS-850, PCAT, trailer, 2kw gen. OPS: KF6BL, KZ6X, KA1VFF, KM6XA, KM6XV, ???

STATION #3: 10m day & 75m nite SSB + WARC, CH.OP Karl-N6WLX (147.130), 10 Yagi, 75m delta loop, 75m sloper, comp, Taco Wagon, 1.6kw gen. OPS: N6WLX, KC6VEC, AA6KY, KC6TLW, N8NHY, ?. ????: K7WMA, N6UZH, N6UWW.

STATION #4: 10/20m day & 20/80 nite CW + WARC, CH.OP Larry-AB6LY (147.075), 10m Yagi, 20m Yagi, 80m R-5V, FT-990, comp, PARC trailer, motor home, 5kw gen. OPS: AB6LY, WB6NBU, WB9COY, WR6J, AA6TR, W6BAW,

??

STATION #5: 15m day & 40m nite + WARC, CH.OP Tim-N6ZUC, 727-5531, 15m Yagi, 40 Yagi, 40m sloper, TS-940S, IBM, VW Van, 5kw gen. OPS: W6UQF, N6ZUC, NE60, KN6FQ, KB5MU, ??

NOVICE: 10m SSB day, 40/80m nite, 40/80m CW day/nite, CH.OP Joe-N6YMD, 941-6823, 10m Yagi, 80/40 dipole, vertical, TS-850S, COMPAQ, SANDARC Trailer, 1kw gen. OPS: N6YMD, KD6ADJ, KC6QXU, KC6JXY, KC6JXM, WD6FWE, KB6NMK, KD6KDB, ??

SATELITE: 70cm/2m/10m, CH.OP KB5MU 571-8585, Yagis & 10m array, Kennwood rig, IBM PC, Qualcomm Van, 1kw gen. OPS: KB5MU, WB9RKN, KA9Q, N6NKF. This station placed 1st in the USA last year!

PACKET: 2m, CH.OP WB6PKK, 747-2223, 2m Yagi & Omni, IBM Lap, Motor Home, 2.2kw gen (shared). OPS: WB6PKK, KC6GVDX, ???, ???. WHERE ARE ALL OF YOU PACKET OPS HIDING OUT?

VHF/UHF: 6m/2m/1.25m/70cm FM/SSB/CW, CH.OP B111-WA6YOX, ant?, TS-711A & ???, IBM XT, Motor Home, 2.4 KW gen. OPS: WA6YOX, WA6YSO, WA5BNH, ???.

SEE YOU THERE!

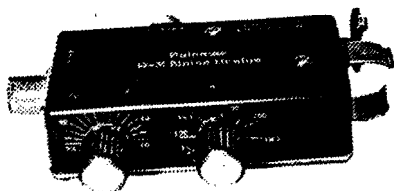
Your editor remembers his first Field Day with the High School's club station K9IXS ..we were out in an Indiana field with cows ..had to watch our step ..called CQ FD 1,000's of times and made 15 contacts only to learn later that it was not the fault of our rig, antenna, or lawn mower/plymouth generator but a solar flare that wiped everything out! I still have the Havery Wells T-90 Bandmaster and the PRM-7 receiver ..wonder if they still work? Some day I will invite those kids (kids?) to come out for a Field Day ..and we will try it again.

- F O R E S A I L -
Yawl ketch on?



Phone or send ads to Editor's QTH, W9FQN, (see Editor) before the 20th of the month with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are \$40/page to \$5 for business card size per month or 25c/line for commercial. Pse send ur

R-X Noise Bridge



- Learn the truth about your antenna.
- Find its resonant frequency.
- Adjust it to your operating frequency quickly and easily.

If there is one place in your station where you cannot risk uncertain results it is in your antenna.

The price is \$79.95 in the U.S. and Canada. Add \$4.00 shipping/handling. California residents add sales tax.



Send for FREE catalog describing the R-X Noise Bridge and our complete line of SWR Meters, Preamplifiers, Toroids, Baluns, VLF Converters, and Loop Antennas.

Palomar Engineers

Box 455, Escondido, CA 92033
Phone: (619) 747-3343

cpy as you want it for a 36 space line.

MEMBER'S FREE ADS are for the sale of their own used personal equipment, or for the sale of approved PARC Silent Key Estates which must be so designated. Sale of new items or other items incidental to a commercial operation should be done through the purchase of a PARC paid ad with the exception of items offered by PARC.

SILENT KEY'S ESTATES: A club member is appointed by the PARC

executive committee to handle each individual station with initial contact by Eleanore, N6QJE, & pricing of equipment headed by Dennis, N6KI. Announcements of Silent Keys (SK) in the SCOPE is done only after contact with the family.

SWAPMEETS: Dennis-N6KI prices; John-WB6IQS VHF, UHF, hardline; Kerry-N6IZW microwave; Paul-KB5MU Pkt, computers, satellite; & Bill-KB6MCU ATV.

SELLING the 54' heavy duty crank up tower (heavier duty than a W-51). Looks like it never has been used by a little old lady. Has two cranks on it and needs one more for turning them. Club members 1st at \$600: W9FQN for PARC 749 0276 VC.

(5-20) Kenwood TS-140S xcvr w/CW filter \$575; TS-830S xcvr w/CW filter \$600; MC-50 mic \$45; B&W 300w tuner \$65; ICOM 440Mhz xcvr; Cushcraft A144-10T Oscar 10el satellite beam \$35: Duane AA6EE 789 3674 Ramona.

K3UKW has a list of used gear (43 items). See W9FQN at the next meeting to see the list. Over 49 great items.

(5-6) Coils 12m & 17M for Butternut HF6V ant new \$25: Dan WA6HYB 433 4445 Ocsd.

(5-6) Kenwood 820-S (10-160m) w/CW xtal filter, spare finals, manuals \$300 or?: KE6QV Charlie 433 1258 Ocsd.

(5-6) Realistic DX-100 rcvr .535-30MHz best offer or \$45; Hammlund HQ-110 rcvr \$10; CB Sonor Mod "E" xcvr \$5: Bob KC6VDX 758 9078 Vista.

(4-29) Kenwood R-2000 rcvr \$300: Dave WA6HQM 753 2605 Encinitas.

(4-22) Collins KWM-2 w/pwr sup \$550: Lou ND6W 437 8351 Coronado.

(2-4) G6-144B 2m ant 6db unused orig box \$100; ICOM IC-24AT 2m/70cm HT, large BP-84S 1400maHr battery, BP-82 300maHr, wall charger, \$400/offer: Mike WB6CSH 481 0770 DelMar.

(2-25) LK-500ZC HF Amplifier \$800: Bob 941 2824 Vista.

HIGHWAY ELECTRONICS: parts, (new/old), military. Ask 4NICK

967-7225 2 C if open(10-3pm)

305WISCONSIN AV.OCEANSIDE CA

(1-11) StyleWriter printer for the MAC, almost Lazer Quality for a Matrix: Jo KB6NMK 741-2560 Escondido.

***** WANTED *****

a few good men

PARC WANTED LIST:

1) PIPE 2'-3', OD 1-2.5" for Field Day pole stands.

2) CARGO CONTAINER for repeater site. Looking for something under \$2K ..if possible.

(5-20) To share a booth at the ARRL SW Division Convention in Sept. at Ventura CA: Duane AA6EE 789 3674 Ramona.

(5-6) Old Callbooks '50-'80; 2m mobile xcvr: Duane AA6EE 789 3674 Ramona.

(4-30) Yaesu 757 Computer Interface: Tom KC6ZRW 943-0079 Encinitas (I have diagrams -Ed)

(4-30) Kenwood Computer Interface kit IF-10B: Dennis N6KI 271 6079 Mira Mesa.

(4-29) Kenwood R-2000 rcvr manual to be copied: Dave WA6HQM 753 2605 Encinitas.

(4-5) Need 730 or 520: Hod Luhn 406-763 4576 Montanna.

(3-25) Swan MARC II linear for parts: Duane WB6R 753 4821 Cardif.

(3-25) ICOM pwr sup PS-35: Dennis N6KI 271 6079 Mira Mesa.

(3-1) Kenwood receiver R1000, R2000, Yaesu FRG8800, Drake R-8 etc: Henry Palmer 744 6187 San Marcos.

S W A P M E E T S / N E T S

OCEANSIDE: Meets on the 2nd Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers \$13. If you are selling only a few items, you might want to double up with others to reduce your individual sellers cost. You might also want to check with Harry-WA6Y00 for any discount coupons he might have.

Larry-AB6LY set up the PARC booth with banners and signs and manned it during the morning hours

with help from Jim-K06IVF.

- M E M B E R S H I P -

Ralph-KC6WAN Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet should send W9FQN a self-addressed envelope (SASE) requesting same (see Editor's address). -SK-

Club membership rosters are published free in September or October of each year but are available to club members now for 25c at meetings or 50c thru the mail. -SK-

I would like to have you check your label after paying your dues to verify that your dues payment has been properly posted. Errors, if any, are more easily fixed sooner rather than later. Most members receive their SCOPE 5-6 days before the next club meeting. The SCOPE is mailed on a Tuesday afternoon, eight days before the club meeting.

RENEWED: N6UUV-Roger, KD6JX0-Frank

THANKS to all those who renewed for more than one year allowing me more time for several important projects.

NEW MEMBERS: KD6GMK-Russ(2yr), KC6WMU-David(2yr), KB6DSC-Betty, N6VYX-Reigh, N6WAH-Bing, W6XE-Oave, Campbell,John Chappie,Eugene Chappie,Emily Dominguez,Chris Dominguez,Jaac Hoover,Glenn Holden,David Holden,Kim Ludlow,Cindy Ludlow,James Massie,Judie McGinnis,Carolyn Spangler,Greg Willis,Jack

CHANGES: KD6ODK to 5438 Jamestown Rd, SD 92117; Harry Rouse to 4010 James Dr, Carlsbad; Gene-KD6SXX to Bremerton WA

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

BADGES:The following badges (with notice number) are ready for pickup at the next club meeting:

WB6BKR=1 K06EUP=8 KD6KHS=8 KM6LF=8
KD6LUO=8 KK6NS=2 WA6ORS=1 KM6PE=2
N5QLG=3 WB6THH=8 KC6UGQ=8 KUIY=8

"The Fishing Hole"

at Oceanside Swap Meet
No 3. Row 14, Space 1&2

Calling all "Fishing Hams"

SAVE
20-33%

**National
Brands at
Discount
Prices**

Full line of tackle items.

**We also have mail
order fishing tackle
at discount prices.**

**P.O.Box1020
Carlsbad, CA92018**

**W7HKI Larry
W7HKL Maxine**

**10% of all sales
to PARC members
goes to the club**

PLEASE!! HELP RALPH-KC6WAN HAVE
AN EARLY START ON NEXT YEAR'S
MEMBERSHIP. SEND CHECKS NOW!
WAITING TILL JULY 15TH ONLY ADDS TO
OUR PROBLEMS - and yours. WE NEED
TO KNOW TOTAL MEMBERSHIP SO THAT WE
CAN ORDER THE PROPER NUMBER OF
AUGUST SCOPES TO BE SENT OUT ..and
so we don't put your telephone
number in the "drop list" for

autopatches. Our club year goes from August 1st to July 31st (and don't ask me why -Ed)

It takes Ralph three 8hr days to type in the changes for 750 members so he really appreciates your NOT WAITING till July 15th to send in your dues. PLEASE DO IT NOW!

Some of our members are OUT OF STEP with their dues. This is due to them originally paying \$12 for a year in the month that they joined. So look at your label to find your MEMBERSHIP date, then pay the amount needed TO GET YOU BACK IN STEP. It is located on your label below "PRCyymm."

We certainly do encourage you to pay for 2-3 years since it reduces the amount of paper work Ralph-KC6WAN has to do at the end of the year ...and remember ...the club has been active since 1936 so we are here for the long run ...and you protect yourself if there were to be a dues increase in the future. Several of our members are paid up after the year 2000: N6IE & WA6QQQ!

If you are 9407 or above, forget about sending us anything unless you want us to live off of the interest.

LABEL (single) or (single)+(family)

DATE	1yr	2yr	3yr
9307	\$12+9.00	\$24+18.00	\$36+27.00
9308	\$11+8.25	\$23+17.25	\$35+26.25
9309	\$10+7.50	\$22+16.50	\$34+25.50
9310	\$ 9+6.75	\$21+15.75	\$33+24.75
9311	\$ 8+6.00	\$20+15.00	\$32+24.00
9312	\$ 7+5.25	\$19+14.25	\$31+23.25
9401	\$ 6+4.50	\$18+13.50	\$30+22.50
9402	\$ 5+3.75	\$17+12.75	\$29+21.75

From here on, pse consid 2-3 years

9403	\$ 4+3.00	\$16+12.00	\$28+21.00
9404	\$ 3+2.25	\$15+11.25	\$27+20.25
9405	\$ 2+1.50	\$14+10.50	\$26+19.50
9406	\$ 1+0.75	\$13+ 9.75	\$25+18.75
9407	\$12+9.00	\$24+18.00	\$36+27.00

OR for you technical types:

For 93?? dates use the formulas:
Sing.= \$12.00-1.00x(93??-9307)+12xYrs
Fam.= \$21.00-1.75x(93??-9307)+21xYrs

For 94?? dates use the formulas:
Sing.= \$ 7.00-1.00x(94??-9400)+12xYrs
Fam.= \$12.25-1.75x(94??-9400)+21xYrs

For example, a family wishing to renew for 2yrs with an expiration date of 9312 would pay \$19+14.25 or \$33.25 to make their membership end on a July 31st.

IF YOU ARE STILL IN DOUBT ABOUT WHAT TO DO, THEN JUST SEND IN \$12 FOR A SINGLE MEMBERSHIP OR \$21 FOR A FAMILY MEMBERSHIP AND WE WILL EXTEND YOUR MEMBERSHIP FOR ONE YEAR FROM WHERE IT NOW IS ON YOUR LABEL .AND YOU WILL STILL BE "out of step!"

Membership figures out to be \$1/month for singles and \$1.75 for a family membership.

THEE END IS NEAR!

5 YEARS AGO

6-88: ..evening net controls were Marni-KC6PCF, Paul-KB5MU, Mary-N6NOG, Warren-W6EYP, Christy-KB6DGN, Carl-N6NZX, and Ralph-K6HAV ..talk on Quito, Ecuador by WB6WQI ..Ralph-K6HAV is in charge of the VE program ..Linda Mason-KB6WGA SK ..Todd-KI6ZM prepared written histories of many Naval Communications Stations ..John-W60LQ told about PARC badges -in rhyme.

SK*****SK
- N 6 Z S Y -
PAUL CRAW

Paul passed away some-time in May and will be missed by his many ham and family friends.

SK*****SK

Paul's newsletter is being forwarded to Virginia-KC6WPF who was his fiancée at the time of his death.

SK*****SK
- A B 6 A R -
- J H 7 D V K -
Tom Yoshida

Tom passed away 4/27-93 victim of a car accident in Japan and will be missed by all of us who knew him.

SK*****SK

Tom Yoshida's mother's address is Mrs. Chizuru Yoshida, 4-40,

Komatsuzaki, Shiogama, Miyagi, JAPAN. His wife, Che (a ham), and daughter, Haruka (1mo), live at 1-15-17 Yurigaoka, Natori, Miyagi, 981-12, JAPAN. (de AB6LS via N6KI)

SK ***** SK

- Bob Lentz -
N N 6 E

Bob recently passed away and while not a club member he helped contribute an IBM PC to the club for its autopatch project.

SK ***** SK

The club is looking for QSL cards of SK members that can be put on display at the repeater bunker on Palomar Mountain. If any present club members have cards of SK past members that we could use, please get them to W9FQN.

W6APG, G.W.Brown's QSL card has recently been added to our collection on Palomar Mountain. He was president of PARC in 1945-6 and secretary in 1942.

If any of you would like to prepare for the future, we will put your card ON HOLD!

- V E T E S T I N G -

(Rusty-AA6OM 747-5872)

N.Co.FCC LICENSE EXAMS by PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs East) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted.

The FCC will allow VE testing for the Novice Class license. No effective date has been announced.

MAY 8th TESTING: 15 candidates, 39e1, 35 passes.

GEN->ADV KD6TVW

NONE->GEN: Bill manson.

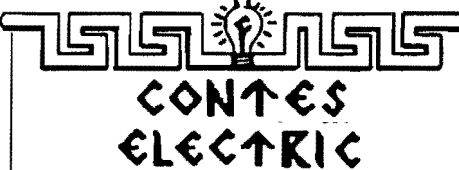
NONE->TECH+: Marvin Jones.

NONE->TECH: Don Bowyer, Jim Ludlow, Chris Olson, Harris Mitchell, Chuck Lacy, Perry Parker, Nick Pifer, and Jim Saba.

NOV->TECH: KD6KIK, KD6GFK, & KD6MLM.

EXAMINING APRIL TEAM: Paul-KB5MU, Mike-AB6QT, Jack-KI6JM, Duane-WB6R, Sam-W6YVY, and Rusty-AA6OM.

73, Rusty-AA6OM, VE Team Leader




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NU6L



- N E T S -

ALL NET CONTROLS have received in the mail NEW PREAMBLES for the nets which they run. If you don't get one, contact your net manager or W9FQN. The new preambles bring the PARC nets up to date and make some minor changes. -SK-

PARC is looking for a group of amateurs who would be willing to operate a Sunday evening net on 146.730 at 9pm called "THIS WEEK IN SAN DIEGO." The net would be available for emergency service groups to make announcements of activities for the coming week, Monday thru Sunday. Also clubs (including PARC) in the San Diego area would be able to make announcements of meetings. With 4-6 operators you would only have to host the net once a month. If you are interested and would like to see the net preamble, contact W9FQN. -SK-

PARC is also looking for a group of amateurs to operate a Sunday evening RTTY net on 146.700 at 8:30pm. The purpose of this net is to encourage the use of RTTY and other digital modes as a means of emergency communications within the

county. We admit that RTTY is an "old" mode but it does work and we hope that users will be inspired to upgrade their licenses so that they can work HF RTTY, Packet, AMTOR, etc.

The new 146.700 repeater should be up and running in early June so we would like to have some of you RTTY types check with W9FQN for the latest information. At present the repeater will "come up" with an RTTY tone but we might fix it so that a net control could have 5-10 seconds of voice to start the net or to give advice to those attempting to use the repeater for RTTY. -SK-

We still need several more amateurs that can send Morse Code (CW) with their 2m transceivers to help out with the 147.075 evening CODE NETS. At present we have net controls for each night Monday thru Friday but we really need alternates who can help out when the "regulars" can't make their net.



**Carmel Mountain
TRAVEL**

Joan Lovell

(619) 673-8500
Fax (619) 673-9070

11885 Carmel Mountain Rd., Suite 905
San Diego, CA 92128

EMERGENCY NEWS

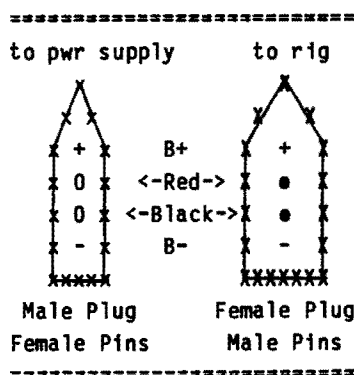
PARC HF EMERGENCY STATIONS:

No.Co. (Esc.) Harry-WA6Y00
SanDiego (MMesa) Dennis-N6KI

In emergencies PARC will support the above stations for emergency traffic on the 3.5-30MHz amateur bands going into and out of

San Diego County with operators, generators, VHF/UHF traffic nets, etc. Support will be provided to all emergency organizations requesting it. -SK-

PLUG FOR ANOTHER PIN UPDATE: You should consider connecting your equipment to power supplies (batteries and AC supplies) through standard connectors. Radio Shack sells 2-conductor male/female molded nylon pairs for #18 thru #22 wire at 8A, No. 274-222, for about 50c each. The heavier, 20A for #10 thru #14 wire, male (274-151) or female (274-154) plugs sell for \$1 each. THERE IS SOME CONFUSION ABOUT MALE AND FEMALE (ain't it the truth?) PINS. If you are somewhat experienced, you should know the difference already between male plugs-pins and female plugs-pins just by looking at others around you. Don't forget the in-line fuse between the power source and the first connector. In emergencies, everyone would have the same plug connections for easy changing of equipment although for some biological reason the heavy-duty and light-duty plugs do not mate. Probably something to do with their genes.



(If the above is not correct or clear, please let me know before I allow any more of these bi-sexual plugs to propagate -Ed)

While you are making up this plug combination for your mobile, you might consider adding an extra plug for another radio in your car, a 10' cord with plug and alligator clips for connection to batteries, and another cord with plug and cigarett lighter. The cords would allow you to use any vehicle battery for power and to operate at a table

outside of your vehicle while using car battery power and antenna. -SK-

If any representative of the below listed organization(s) would like to suggest "re-writes" of the below organization description(s), please contact the Editor so he can "get it right."

- A R E S -

ARRL:SecMgr John Fulton WR6J
Ramona, 788-0824

ARES:John-KI4EX 292-1432 SEC
...Paul-KD6ACW 562-2421 Ast
NORTH INLAND DISTRICTS EC->

Dennis Shirrel, K7DCG,
Home 748-9046, Work 748-7712
24hr packet on 145.070

Local District EC's:

Bonsall needed ...
Camp Pendleton .. needed ...
Carlsbad needed ...
Del Mar needed ...
Encinitas needed ...
Escondido needed ...
Fallbrook WD6DHW Bill Dewey
Fairbanks Ranch . needed ...
Oceanside needed ...
Poway KC6KWV Chuck MacDonald
R.Bernardo WILE Dick Hay
R.Penasquit'KC6TYR Roy Eyman
Ramona WB6NJY Jerry Boyd
Rincon needed ...
San Marcos needed ...
SDCo'Estates AA6PC JR Thomas
Valley Center ... needed ...
Vista needed ...

Emergencies 146.730 with
overflow on 147.075/147.130
Net: 146.730 Sunday 8:30am

ARES stands for Amateur Radio Emergency Service and handles all types of emergency traffic not normally handled by other organizations. Communications are provided to: Fire units, local police & fire, health & welfare messages, and as requested by ARES.

The ARES organization holds a pancake breakfast at the Normal Heights church at 8am the 2nd Saturday of each month with the meeting starting at 9am and is located at 4650 Mansfield (805>Adams>Mansfield) Thomas Brothers 61A2. Everyone is welcome.

Since the 146.730 repeater has been designated for ARES use, ARES

does not need permission to operate during emergencies but needs to ask permission for drills so that the use of the repeater is properly scheduled.

For more information contact the nearest ARES official above whose section you reside in.

PRESIDENT REALISTIC REGENCY JIL

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STCR - SHOP

T E C H N I C A L

SILENT KILLER READY TO STRIKE TO STRIKE, #5 by Tim-N6ZUC

There are all kinds of devices on the market that claim to be the answer to your problems. You've seen them, or bought them. Usually they're nothing more than glorified outlet strips. They all have one thing in common, they don't work very well.

The best way to protect your investment, is to install M.O.V.'S, (metal oxide varistor). They can be purchased at electronic supply houses. They come in different values, indicating the clamping voltage at which they work.

For instance, for you typical 117 volt application, you would want to select the 130 volt device. This allows you sufficient headroom for minor fluctuations that are of no real consequence. You need two of them, one for each leg of the line.

You also should install one across the lines. The voltage from line to line is in the range of 208 to 240 volts, (verify the actual voltage by measurement). You need to select an appropriate value clamping voltage for it. A 250 volt device is about right. As far as energy rating, buy the highest value you can afford.

These M.O.V.'S. are installed at the mains of your electrical system. They must be mounted with hardware to the well grounded electrical box. If you are not familiar with home electrical systems, get someone who is, or hire an electrician to install them. Always keep safety in mind when working with electricity.

The M.O.V. is a plastic cased, flat, round device, with metal tabs for mounting to your grounded box, and metal tabs to connect a wire (#10 gauge minimum), from the device to the power lines. All connections must be solid. The device must be mounted firmly to the box with a good electrical connection. This means scraping away some paint so you have a good metal to metal contact.

Now the bad news. As my old electronics instructor used to say, "there's always a tradeoff, nothin's free". Every time the device does its job, it dies a little. How much depends on how hard it's hit. You will have to plan on changing them every couple years or so.

My first experience with the M.O.V. and what it can do, was at a radio station on the north coast. A drunk driver ran into a pole carrying the main power transmission lines, knocking it down. When the lines hit the ground, (hot), the voltage must have hit unbelievable levels. the only damage? Every M.O.V. in the place, connecting wire, and one power strip, were burnt and blown apart. The TV station next door didn't do so well. They didn't have protection. From my nice cozy warm bed that night, I felt bad about those TV engineers working the night away. I felt bad, I did... really!

While we go about the task of conditioning our power lines, there

is another device you might want to consider, a power line filter. It will keep the RF developed in your shack from getting into your home electrical system. Keeping it from feeding back into your rigs power supply. This device also needs to mount firmly to a good solid ground, such as that I outlined in a previous SCOPE issue.

Install a metal utility box in your shack. Mount the filters in this box and bring all your shack's electrical service through it. The filter connects directly in line with the wire. Mount outlets to this box, and you have well filtered outlet strip. Some additional M.O.V.'s at this point wouldn't hurt either, preventing spikes generated in the home from reaching your shack.

Power line filters, such as made by Corcom, can be purchased at most electrical supply stores. The Corcom general purpose RFI filter will operate at 20 amps and take a six times overload for up to eight seconds. It is for 120/250 volt use. You need one of these devices for each line you bring into your shack. Prices for these filters are in the 20 to 30 dollar range.

I mentioned last time about lightning strikes to your antenna system. A really good idea also, is to invest in one of the gas discharge lightning suppressors now on the market. The specs are excellent, and your rig won't even know it's on there. It plugs directly in line with the coax and then must be properly bonded to the ground system. I plan on installing one on all my antennas. They are very reasonably priced.

Again, as I said before, nothing is going to protect you from a direct hit. But, it will discharge static build-up and protect you from nearby hits. As always, if you need some clarification, or have any questions concerning this or other technical topics, I would be glad to help you find the answer.

You may write to me in care of the club's post office box (or the SCOPE editor).

- NEWS -

Contributions to =NEWS= should be sent to your editor by the 20th of the month.

THE AMERICAN RADIO RELAY LEAGUE IN ASSOCIATION WITH THE CONVAIR AMATEUR RADIO CLUB AND THE AMATEUR RADIO EMERGENCY SERVICE ARE PROUD TO PRESENT THE 1993 HAM RADIO ROUND-UP ON SUNDAY, AUGUST 29, 1993.

THIS YEARS ROUND-UP WILL FEATURE DISPLAYS BY MANY OF SAN DIEGO'S DISASTER AND EMERGENCY SERVICES AS WELL AS AMATEUR RADIO CLUBS AND SERVICES.

THROUGH THE GENEROSITY OF GENERAL DYNAMICS, CONVAIR DIVISION, THE ROUND-UP WILL BE HELD AT MISSILE PARK IN KEARNEY MESA.

ADMITTANCE IS OPEN TO ALL LICENSED AMATEUR RADIO OPERATORS AND THEIR GUESTS. (de Richard Medhurst-KD6BFO, Public Information Coordinator San Diego Sec. ARRL 619-560-6109) -SK-

Larry-AB6LY helps many prospective hams get licenses by conducting training sessions in his garage or over the air (CB). One student wanted to know how many more HAM CHANNELS there were than CB using the same spacing as CB. So Larry calculated that there were at least (1,829,775-40) channels from 160m to 1mm. (de AB6LY) -SK-

Good to see that Norm-N6QQF who has been in and out of hospitals this past month is now home. -SK-

Bob-WB6NBU categorically states that he was NOT the one who returned the CW filter to HRO in AA6TR's "still hear CW" reporting in the May SCOPE. -SK-

Which reminds your editor that "years ago" one of his students borrowed an S-38C receiver from him to listen to the ham bands. This boy was quite intelligent and took the bottom off of the receiver to see what was inside. While there he discovered 5 screws loose which he tightened so they wouldn't fall out. He was very distressed to discover that when he put the bottom back on the receiver that it no longer worked and couldn't understand why. You are an OT if you know what he did or a very smart new ham. -SK-

SANDARC (PARC is a member club) issued an income statement ending 4/29/93 showing a balance of \$23,964.59. Some of this money will be used for "seed" to start up the '94 Southwestern Division Convention to be held in San Diego next year. Sybil-N6GIC, a PARC member, is in charge of the convention and is looking for hams who would be willing to help with convention duties. Eleanore-N6QJE has volunteered to help and Sybil is looking for additional club members to help with the convention. (SANDARC minutes) -SK-

PARC Club President, Harry Hodges, WA6Y00, has appointed club member Howard Frank, NN8P, of Encinitas, 943-8336, to the position of Field Checker for the ARRL Worked All States (WAS) submissions. Instead of sending your 50 State cards to the ARRL, you can have Howard check them for you locally. -SK-

Two Amateur Radio operators apparently perished in the fire at the Branch Davidian compound near Waco, Texas: KJ5HK & KJ5HJ. Just five days before the siege began on February 28 Martin had attended a club meeting of the Heart of Texas ARC. He was a Harvard-educated lawyer. (ARRL News) -SK-

Hod Luhn-W6UCN, one time owner of the PARC repeater site, sent us some plot maps and the Title Insurance papers that he had for the site. Hod is on 14.325 every Tuesday at 1:00pm talking to W8PR in Ohio. -SK-

WORLD RADIO MAGAZINE: \$14/yr, mail to Worldradio, 520 Clavados, Sacramento, CA 95815. The magazine uses newspaper style type and print and covers news and information about amateur radio subjects. Great general purpose magazine. See your editor for a "look see" at the next club meeting. (from time we quote some of their articles or publish some of their humor -Ed)

The North County YL (young ladies) Club meets every other month at members' homes. Meetings are usually held on the fourth Saturday of the month at 11:30 A.M. A potluck

luncheon is shared by members and any OM who cares to attend. The OM have their own gathering and fellowship while the ladies have a short business meeting. For information on the next meeting please contact Dee-N6ELP at 753-5647 or Marguerite-W6LND at 492-9512. -SK-

Fruit That Fights Cholesterol!

A study by Australian researchers indicated that people on a avocado regimen of .5 to 1.5 avocados a day saw their cholesterol levels go down significantly from an average of 236 to 217.

The study group showed a 8.2% reduction of cholesterol while those on a "low fat" diet reduced theirs by only 4.9%.

Avocados preserved levels of HDL cholesterol (the good cholesterol) that actually removes the really bad cholesterol!

W9FQN will have some of those great "Fat Reducing Fruits" at the next meeting and will donate some avocados to the club which they will sell at the next meeting.

- FUNNIES -

Contributions to this column are encouraged - W9FQN.

A local Ham was coming out of the Candy Store carrying a shiny new linear when he was accosted by his angry wife. WIFE: You said last month that was the last amplifier you were ever going to buy! HAM: I didn't say it was my LAST amplifier. I said it was my FINAL amplifier! (de KC6YS0)

FCC UPDATE

An Amateur Radio milestone was reached at the end of March when the total number of FCC licenses eased over the 600,000 mark. Here's the breakdown:

Extra: 62,397	Novice: 99,711
Advanced: 110,656	Clubs: 2,067
General: 126,011	MilitaryRec: 113
Tech: 201,670	RACES: 251
TOTAL: 602,876	

Also in March 4,239 new operator license were issued and 2,779 upgrades were processed by the

FCC. -SK-

A 19-year-old falsely reported a downed aircraft: 60 days jail, \$5,000 fine, and ordered to undergo mental health counseling. -SK-

K6KPS- suspended advanced license and \$8,000 fine for malicious interference to other stations and "broadcasting." -SK-

NOEA- \$8,000 fine. Transmitting on 7420 & 15050kHz. -SK-

KK6SM- suspended license & \$2,000 fine for intentional interference. -SK-

The FCC has now banned the importation and sale of scanners capable of receiving cellular telephone transmissions, with action taken April 22 in ET Docket 93-1. (ARRL Letter Ap93) -SK-

FCC proposes allocation of the 219-220MHz band for use by amateurs. It would be for wideband packet point-to-point communications and other point-to-point fixed communications on a secondary basis.

The Commission believes this will foster technological experimentation and innovation, particularly with

higher data rates, and facilitate the construction of a nationwide packet data backbone network. (de WA6WZ0) -SK-

The FCC "has proposed to allocate the 449 MHz band for wind profiler radar systems. This band is currently allocated to Government radiolocation operations and on a secondary basis to the Amateur Radio Service and Government and non-Government radiolocation systems for coastal radars." This explains the presence of radar noise on our 449.425 repeater. -SK-

The FCC has dropped the station location from amateur licenses, effective with new license Form 660. You can ignore this info on current Form 610's. -SK-

A North Carolina man has been hit with a \$2,000 fine for attempting to sell a non-type accepted Citizen's Band transceiver. (ARRL Ltr) -SK-

ARRL wants Novice privileges on the entire 222 MHz band and the Commission agrees. Deadline for comments is February 23, 1993. -SK-

AMATEUR CALL		New - Renew
ARRL MEMBER	Yes	No
LAST NAME		
FIRST NAME		
STREET ADDRESS		
CITY & STATE		
ZIP CODE		
HOME PHONE #		
WORK OR OTHER PHONE #		
HAM LICENSE EXPIRES		
PARC FAMILY MEMBERS		
CLASS OF LICENSE N T T+ G A E		

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to Ralph, KC6WAN at club meetings. We prefer checks to cash, it's safer and you have a record. Dues (including Scope) are \$12 a year per person or \$21 for a family living at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman. Call, name and complete address are required. Telephone number is requested but may be unlisted in roster if preferred. For notification of acceptance send SASE with application or receipt of the next Scope will be your only notification.

SCOPE, USPS 076530, published monthly by #
the PALOMAR AMATEUR RADIO CLUB, INC #
Post Office Box 73, Vista CA 92085-0073 #
Dues \$12 for 12 months of membership. #
- - - - - #
POSTMASTER: Send changes to -> SCOPE, #
P. O. Box 73, Vista, CA. 92085-0073 #
#####

INSIDE:

Field Day, SK's, RENEW NOW
(the end is near)

NON MEMBER: we thought that you might like to consider joining PARC because we have noted your -->>

___ interest in amateur radio
___ new/changed license status
___ request for information
___ using 146.730 W6NWG/R
___ using 147.075 W6NWG/R
___ using 147.130 KA6UAI/R
___ using 449.425 W6NWG/R
___ using 147.175 WA6IPD/R

* 2nd Class *
* Postage *
* paid at *
* V I S T A *
* CA. 92085 *
* -9998 *



Membership Expires License Expiration
<Palomar Mt> Expire Expiration
VSTA/MMSA/LMSA/Fa1b/PRCymm LXyrr

XX

Ph.Codes-->XX

DELIVER XX

TO --->XX

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XXXXXX



Amateur
Radio T-day

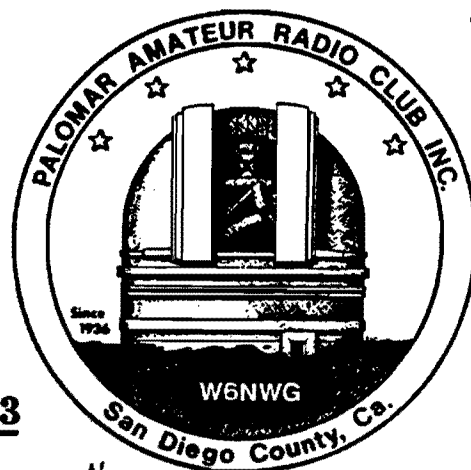
W6NWG W6NWG W6NWG W6NWG

Scope

W6NWG

Palomar Amateur Radio Club Inc.

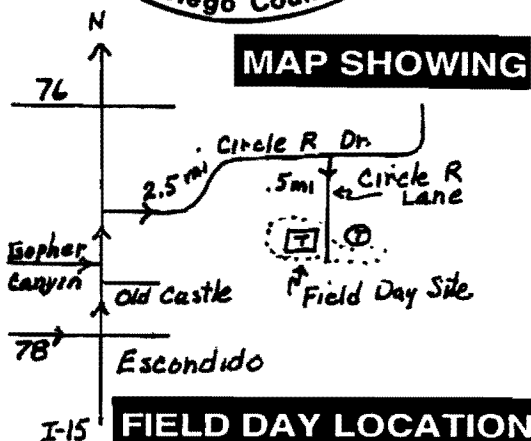
Post Office Box 73, Vista, California 92085-0073



JULY ***** 1993 ** 57 YRS
 ***** Volume XIX NO. 7
 ***** Published every month
 An ARRL Special Service Club
 WAS= WAC= DXCC=

 July 7th Meeting WEDNESDAY
 Coffee 7pm and Mtg. @ 7:30pm
 Carlsbad Safety Ctr, Palomar
 Airport road to Camino Real,
 East on Faraday 1/4mi, left
 to C.S. Ctr., T.B. pg 14,F6.
 Talk in 146.730 / 147.130

***** C A L E N D A R *****
 Jun 25/26/27 FIELD DAY
 ACTIVITIES, U ALL COME!
 Jul 7 Wed. PARC Club Meeting
 Jul 10 Oceanside Ham Swap Meet
 Jul 10 Sat. PARC VE Carlsbad
 Jul 15 Thu. PARC Board Meeting
 Jul 31 Sat. END PARC CLUB YEAR
 AUG?? ??? Picnic in October!
 AUG 1 Sun. START PARC CLUB YR
 (RENEW EARLY)
 Aug 4 Wed. PARC Club Meeting
 Aug 29 Sun. Ham Radio Roundup



Field Day 1993

Lets make it another shaker!

 FIELD DAY 1993

 de Dennis-N6KI & Bill-KB6MCU

=== WHEN? ===

FIELD DAY IS THE LAST FULL WEEKEND IN JUNE AND A LOT NEEDS TO BE DONE BEFORE OUR 24 HOUR EMERGENCY EXERCISE. JOIN THE FUN ..AND LEARN HOW EMERGENCY STATIONS ARE SET UP. YOU WILL SEE STATIONS SETUPS THAT ARE BETTER THAN 95% OF ALL HAM STATIONS IN THE WORLD! PARC HAS PLACED FIRST IN THE 5A COMPETITION IN '91 AND '92 AND IT REMAINS TO BE SEEN IF WE CAN DO IT "ONE MORE TIME."

=== WHERE? ===

DIRECTIONS: NORTH OF ESCONDIDO ON I-15 ABOUT 11 MILES, GOPHER CANYON EAST 100yds, NORTH ON OLD 95 100yds, EAST ON CIRCLE R DR. 2.5MILES, SOUTH (RIGHT) .5MI WHERE ALL THE PALM TREES AND ANTENNAS ARE

LOCATED. USE 146.730 FOR TALK-IN OR 146.520S. FOLLOW THE SIGNS! SEE THE MAP AT THE TOP OF THE PAGE.

=== HELP US FRI-SAT-SUN ===

IF YOU WOULD LIKE TO PARTICIPATE IN FIELD DAY, WE WILL START PUTTING THINGS UP FRIDAY MORNING AT 11AM ALTHOUGH WE WOULD LIKE TO SEE THE MAJORITY OF HELPERS START DRIFTING IN SOON AFTER 11PM (POSSIBLY 11:30 OR 12). WE START OPERATING AT 11AM SATURDAY MORNING SO WE WILL NEED HELP SATURDAY MORNING FROM 8AM TO 11AM. TAKE-DOWN IS SUNDAY FROM 11AM TILL 3PM SUNDAY AFTERNOON. COME OUT TO SEE WHAT WE ARE DOING ..OR DID ..AND HELP OUT FOR 1-3 HOURS. WE NEED YOU!

=== EARTHQUAKE JUNE 26/27TH ===

DENNIS AND BILL TRIED TO SHAKE UP THINGS LAST FIELD DAY WITH AN EARTHQUAKE ..AND THEY AGAIN PROMISE ANOTHER EARTH SHAKING EXPERIENCE!

=== FREQUENCIES & TIME ===

IF YOU CANNOT PARTICIPATE IN FIELD DAY (FD) AS AN OPERATOR (RADIO OP/LOGGING) THEN TRY TO GIVE THE CLUB AS MANY VHF/UHF (6m, 2m, 70cm) CONTACTS AS POSSIBLE. PARC WILL BE AROUND ON ALL BANDS.

IF YOU ARE NOT PARTICIPATING AT THE SITE, PLEASE GIVE OUR VHF, UHF, HF CW AND SSB STATIONS A CONTACT. ALL YOU NEED TO DO IS GIVE US A CALL AND GIVE US A FIELD DAY REPORT. FOR EXAMPLE FROM YOUR HOME STATION, "W6NWG THIS IS _____, YOU ARE 599 1D (commercial power) SAN DIEGO SECTION." THE 1D MEANS YOUR ARE OPERATING FROM 110VAC MAINS AT HOME. HOME EMERGENCY POWER STATIONS WOULD USE 1E. MOBILE STATIONS WOULD USE 1C. THE "1" MEANS YOU ARE ONLY OPERATING ONE TRANSMITTER AT A TIME.

==W6NWG== WILL BE IN THE GENERAL PORTION OF THE BAND LOOKING FOR CONTACTS ON CW AND SSB. REMEMBER, WE ARE ONLY OPERATING 5A

1st Place 5A in 1991 • 1st Place 5A in 1992 • 1st Place Over All Satellite Stations in 1992

(5 STATIONS + "FREE" VHF/UHF AND NOVICE-TECH) SO LOOK FOR US ON A BAND THAT WOULD BE IN OPERATION AT THE TIME YOU CALL: 1)DAY-10-15-20-WARC, 2)NIGHT-80-40-20-WARC.

FOR VHF/UHF TRY W6NWG ON 52.525, 146.520, 223.5, AND 446.0MHZ ON THE HOUR TILL 10 PAST THE HOUR.

PACKET WILL BE ON 145.050 AT THE BEGINNING OF EACH HOUR LOOKING FOR CONTACTS THROUGH W6NWG-1 (PALMAR).

THE NOVICE STATIONS WILL BE USING THE CALL OF ==N6YMD== ON THE NOVICE CW FREQUENCIES. ALSO LOOK FOR THEM ON 10M (28.3-28.5MHZ) AND THEN TRY W6NWG ON 28.5-28.550.

THE REST OF OUR STATIONS WILL USE THE FAMOUS ==W6NWG== CALL OF ONE OF OUR 1936 FOUNDING FATHERS, MEL BACON IN OCEANSIDE WHERE "THERE ARE MILES AND MILES OF WHITE SAND."

**Need a new QTH
or
want to sell yours?**

**Call Clara Ziegler
943-8366
to be your agent for
north county coastal
properties**

**COLDWELL
BANKER**

Expect the best



Pete W3ARU's XYL

=== WARNING ===

IF YOU GIVE A CONTACT TO PARC FROM YOUR MOBILE OR HOME STATION, YOU CANNOT PARTICIPATE WITH PARC AS A RADIO OP/LOGGER AT THE SITE BUT YOU CAN HELP WITH SETUP AND TAKE DOWN FRIDAY AFTERNOON, SATURDAY MORNING, AND SUNDAY AFTERNOON.

=== MESSAGES TO BE SENT ===

PARC RECEIVES 10 EXTRA BONUS POINTS FOR EACH MESSAGE PASSED UP TO A MAXIMUM OF 100 POINTS. WE WOULD LIKE TO HAVE YOU ADDRESS YOUR MESSAGES TO SOMEONE IN SAN DIEGO

COUNTY AND SEND THEM THROUGH US VIA VHF/UHF DURING A "SLOW" PERIOD.

=== REPEATERS ===

REPEATERS CANNOT BE USED FOR FD CONTACTS EXCEPT FOR PACKET.

=== VISITORS ===

VISITORS ARE WELCOME. THIS IS AN EXCELLENT CHANCE FOR YOU TO SHOW OFF AMATEUR RADIO TO A NEIGHBOR OR TO SOMEONE THAT YOU WOULD LIKE TO GET INTERESTED IN AMATEUR RADIO. BRING ALONG A CAR LOAD OF INTERESTED PEOPLE ..BRING THE KIDS. W9FQN TOLD HIS DAUGHTERS THEY COULD NOT DRIVE A CAR WITHOUT TWO LICENSES: CAR AND HAM. THEY ASKED HIM, "DAD WHERE IS THE TEST BOOK." TELL THEM WHEN THEY ARE YOUNG WHAT YOU EXPECT FROM THEM!

=== REQUEST FOR RIG ===

== and operators ==

WE ARE STILL LOOKING FOR A CW RIG WHICH CAN BE USED ON 15-17-40M CW. NEEDS TO BE EQUIVALENT TO A TS-940, IC-761, YAESU-767, ETC. WE NEED FULL BREAK-IN KEYING (QSK). Dennis wud accept an FT-990! WE STILL COULD USE SOME MORE GOOD CW OPERATORS FOR THE GENERAL CLASS CW STATIONS AND ALSO FOR THE TECH/NOVICE CW STATION.

=== CLIP BOARD/ARES ===

AT THE SITE ON THE 1,000,000 GAL TANK COMPOUND FENCE THERE WILL BE A SIGN-IN SHEET. BE SURE TO SIGN IN SINCE YOU RECEIVE A TICKET FOR EACH DAY YOU ATTEND THE SITE. DON'T LEAVE WITHOUT SIGNING IN!! MAKE SURE THAT YOU INDICATE IF YOU ARE AN ARES MEMBER.

=== NEED SLEEPERS ===

WE NEED SLEEPING BUNKS/SPACE BADLY SINCE MANY OPERATORS STAY AT THE SITE ALL NIGHT: MOTOR HOMES, TENT TRAILERS, ETC. THEY WILL BE ONLY USED FOR SLEEPING. CALL DENNIS N6KI IF YOU HAVE SOMETHING THAT CAN BE USED.

=== KARL ON 16TH ===

CARL, A CLUB MEMBER IN OHIO, IS FLYING IN FROM OHIO TO OPERATE ONE OF THE STATIONS AND CLUB MEMBERS HAVE BEEN DONATING \$5-20 TO HELP HIM OUT SINCE HE STILL HAS NOT FOUND A STEADY JOB. PASS THE DINERO(\$\$) TO DENNIS. =SK=

COMMENTS de N6KI

Field Day 1993 is upon us. PARC hopes to take First Place in the 5A

Category for the 3rd consecutive year. There is much preparation to be done before setup on June 25. I would like as many members as possible to participate. This emergency preparedness exercise is an excellent opportunity especially for new hams. Much can be learned about station setup and operation for the HF, VHF and UHF bands.

PARC will have 9 stations operating simultaneously which includes HF/VHF/UHF, Satellite, Packet and Novice/Tech. All stations will be Logging and Duplicate checking using computers that range from Laptops to XTs to 486 Taiwan Turbos. This also is a good opportunity to learn how to use a computer with your station to effectively increase your contest scores during DX and other popular annual radio competitions. For those planning a future DX-pedition a wealth of knowledge can be gained by seeing a similar station assembled with many unique mechanical and electrical innovations. PARC's Satellite station has won national recognition the past 2 years including 1st place in AMSAT's 1992 annual competition.

If you are new to ham radio, please be sure to visit the site and don't be intimidated or afraid to participate due to your lack of experience. We all had to start somewhere. Club members that cannot participate or visit the site are asked to contact =W6NWG= or =N6YMD= (Novice/Tech station) as we could use the extra points. Look for us on the common 2 meter, 220 and 440 Mhz simplex freqs. Also you may hear us on 160, 80, and 40 Mtrs when short skip is in. You are allowed to contact us once on every band but you can work us once on SSB and once on CW on any given band or for the VHF/UHF bands you can work us once on FM, CW and SSB on any given band, ie: 20 Mtr CW and 20 Mtr SSB are considered 2 different bands.

Lastly, we really need help after the contest ends on 11 am Sunday. The members that have been there all weekend will be very fatigued and it will take 3 to 4



Open:
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Monday thru Saturday

560-4900
or toll free 1-800-854-6046

5375 KEARNY VILLA ROAD, SAN DIEGO

hours to disassemble all stations, towers and antennas. Your help would be greatly appreciated, put on your grubbys and gloves and c'mon up.

If you have any questions or would like to participate, please contact me on 147.130 repeater or 271-6079. 73 de N6KI. =SK=

== LATEST FD ASSIGNMENTS ==

CONTACT ONE OF THE CH.OPs LISTED BELOW FOR MORE INFORMATION OR TO VOLUNTEER HELP AND EQUIPMENT. WE NEED GRUNTS! SO PLAN ON VISITING THE SITE TO HELP WITH THE MANY LITTLE THINGS THAT NEED TO BE DONE PICK OUT A STATION AND SEE HOW FD IS RUN AND THEN PLAN ON HELPING OUT NEXT YEAR AS AN OPERATOR OR A LOGGER. WATCH HOW THE "PROS" OPERATE THE FREQUENCY FOR MAXIMUM CONTACTS. NOTE HOW THE OPERATORS MAKE THEIR CALLS ON ONE FREQUENCY ..MAKE THEIR CONTACT ..AND STAY ON THE FREQUENCY WITHOUT MUCH TUNING AROUND LOOKING FOR OTHER STATIONS. WHEN YOU HAVE A GOOD SIGNAL, THE OTHER STATIONS COME TO YOU! BIG GUNS DON'T MOVE AROUND MUCH. THEY BLAST A HOLE WHERE THEY

ARE TRANSMITTING. WE ARE SHOOTING FOR 5,000 CONTACTS IN 24 HOURS THIS YEAR! =SK=

(please note changes 6-11-93)

STATION #1: 20m SSB day, 160m nite, CH.OP BRIAN-KF6BL, 945-0496, 4el 204BA, 40'crank, TS-850S, IBM 286, Trailer, 2kwh gen. OPS: KF6BL, KZ6X, KA1VFF, N6SMW, KC6QHU.

STATION #2: 15m day & 40m nite SSB, Dennis N6KI, 271-6079, 15m 4el, 40m 2el 40m sloper, R-5vert, 37'crank, TS-850, PCAT, trailer, 2kw gen. OPS: N6KI, WF6L, AB6PU, KM6XV, N6RUV, KM6WG, KI6IM, AB6IU, KB6QC, KC9LV.

STATION #3: 10/17m day & 75m nite SSB, CH.OP Karl-N6WLX (147.130), 10 Yagi, 75m delta loop, 5el 17m beam, 75m sloper, TS-940S, IBM comp, Taco Wagon, 1.6kw gen. OPS: N6WLX, KC6VEC, N6UZH, AA6KY, KC6TLW, N8NHY, KA3FBX, K7WMA.

STATION #4: 10-12-20m day & 20/80 nite CW, CH.OP Larry-AB6LY (147.075), 30' tube crank, 10m Yagi, 20m Yagi, 80m loaded, R-5V, FT-990, TS-140S, IBM PC-XT, PARC trailer, PARC house trailer, motor home, 5kw

gen. OPS: AB6LY, WB6NBU, AB6PU, KD6IVF, AA6TR, W6BAW.

STATION #5: CW 15/17m day & 40m nite, CH.OP Tim-N6ZUC, 727-5531, 40M YAGI, 17M 3EL BEAM, 40M SLOPER, 37' crankup, TS-940S, IBM, tent trailer, 1.8kw gen. OPS: W6UQF, N6ZUC, WB9COY, NE60, KN6FQ, KB5MU.

NOVICE N6YMD: 10m SSB day, 40/80m CW nite, 220MHZ, CH.OP Joe-N6YMD, 941-6823, 10m Yagi, 80/40 dipole, IC-740, IBM XT, SANDARC Trailer, 3.5kw gen. OPS: N6YMD(CW), KC6XZRW(CW), KC6QXU, KC6JXY, KD6ADJ, KC6JXM, WD6FWE, KB6NMK, KD6KDB.

SATELLITE: 70cm/2m/10m, CH.OP KB5MU 571-8585, Yagis & 10m array, Kennwod rig, IBM PC, Qualcomm Van, 1kw gen. OPS: KB5MU, WB9RKN, KA9Q, N6NKF. This station placed 1st in the USA last year!

PACKET: 2m, CH.OP WB6PKK, 747-2223, 2m Yagi & Omni, 30' PUSHUP MAST, IBM Lap, Motor Home, 1kw gen (shared). OPS: WB6PKK, KC6VDX, KD6LRA. WHERE ARE ALL OF YOU PACKET OPS HIDING OUT? IF YOU CAN'T HELP, DON'T BE PART OF THE PROBLEM. AT LEAST GIVE US A CONTACT!

VHF/UHF: 6m/2m/1.25m/70cm
FM/SSB/CW, CH.OP Bill-WA6Y0X, ant?,
TM-631A, ICOM MULTII-MODE 6-2-.7M,
IBM, Motor Home, 2.4 KW gen. OPS:
WA6Y0X, KC6Y50, WA5BNH, KD6EFQ,
N7TTO, N9PVF, AA7GL.

KP DUTY - N6URW, WA6DOC, &
KK6RX. Contributions are solicited.



**Carmel Mountain
TRAVEL**

Joan Lovell

(619) 673-8500
Fax (619) 673-9070

11885 Carmel Mountain Rd., Suite 905
San Diego, CA 92128

TO BE ASSIGNED: N6ALA, KC6WPF,
N6SUN, K7NA, N7USR, N7QQ, NOAFW.

SETUP/TEARDOWN: KB6MCU, W9FQN,
N6QVW, K66VX, N6ISC, N6URW, WB6R,
KI6JM, KK6LX, KC6WAN, KD6IVF,
KA6FPS, WA7JHA, KD6RFO, KD6WDD,
KN6IP, KD6LDI, Ralph Vernacchia
(where are the rest of you
associates? Here is your opportunity
to see what Ham Radio is all
about!), and others too numerous to
mention.

SPECIAL THANKS: WB9COY for loan
and donation of antennas; Trailers
AA6OM, SANDRA, W9FQN; Motor homes-
van-operator bunks QUALCOMM, N6URW,
W6UQF, WA6DOC, KC9LV, KD6IVF,
WA6Y00, KZ6X, WB6PKK; Towing/hauling
KB6MCU, N6QVW & KC6UQH; Generators
PARC, WF6L, N6ISC, N6GNB, N6ALA,
W6GIC, WB6IQS, N6TEP, AB6LY, Garry
Shandling.

SEE YOU THERE!

- NEXT CLUB MEETING -

IF YOUR LABEL READS 9307, THEN
YOUR MEMBERSHIP ENDS JULY 31ST AND

THE LAST NEWSLETTER YOU WILL RECEIVE
IS THE AUGUST SCOPE WHICH IS PRINTED
AND MAILED IN JULY.

Art McBride-KC6UQH, VP and pro-
gram chairman, has announced that
the next club meeting will be Fred
Van Every of SDG&E talking on
interference caused by power lines
and defective household equipment.
We hope that he will also have the
SDG&E Radio Frequency Interference
van available for club member's
inspection.

SHOW and TELL will feature
whatever you bring. Talk to Art-
KC6UQH before the meeting starts to
reserve a time slot for your SHOW &
TELL item(s).

WANT to be a HAM?
(or Dial-a-Ham)

If you or a friend are inter-
ested in becoming an amateur radio
operator and/or in joining PARC,
please contact one of the ELMERS
listed:

Harry, WA6Y00, 743-4212, Escondido
Duane, WB6R, 753-4821, Cardiff

- LAST CLUB MEETING -

Attendance was 114 members, 17
guests, for a total attendance of
131. Please come early and help set
up chairs.

Another excellent meeting with
Victor-KI6JM telling us about his
experiences contesting near Beliz,
Central America. Victor had slides
showing the radio operation and the
island they were operating from
along with interesting bits of local
lore about the island and its
people.

SHOW and TELL: a beautifully
constructed motorized mobile antenna
by Bill-WZ3P ..throw a switch and
tune it from the driver's seat.
KD6PZB with info on the 78 club in
LA. & John-WB6IQS with OT computer.

Dennis-N6KI again had a table
with junk and hard to find items
with 10% going to the club.

Art-KB6YHZ, and Larry-AB6LY
(missed you Kay) again supervised
the drink and goodie table. Art
brings the equipment and Larry and
crew take care of the coffee and
goodies. Members bringing in goodies
were: KD6ECD, AB6LY, N6TCB, KC6QBD,

W6GIC, N6ISC, & KM6PY.

The goodies were great and you
were rewarded with "1" participation
ticket each (not per cookie ..or
twinkie)!

BOARD of DIRECTORS

PRESENT at board meeting -

Pres : Harry Hodges, WA6Y00

RTech: John Kuivinen, WB6IQS

VP : Art Mc Bride, KC6UQH

Members: Ralph KC6WAN

SCOPE: Stan Rohrer, W9FQN

Trustee: Ron Wilhelmy, WI6B

Packet: Tim-N6ZUC (control)

- also present -

Consti: Jack Hanthorn, KI6JM

Others: Bill-WB6MCU(training)

FD: N6KI, KB6MCU, WB9COY,

Visitors: W6GIC

ABSENT from board meeting-

Sec : Mike Garrison, WH6CH

Club members are invited to
attend these meetings to observe the
Board of directors in action ..or
non-action ..es (and) get an
activity pt for attending! Barbara-
KA6FPS's lemon bars went fast.

DISCUSSED: KB6MCU's 220 rprr;
Ham Theory Net problems; 40' cargo
container gift; phone at site;
finances ok, \$9,200 in bank, equip
\$1000, prepaid dues \$4,500, &
available \$3700 with a little over
2-mo to go; trade of receiver sites
with Sib11-W6GIC; Field Day
operation; Jack-KI6JM took notes for
WH6CH; & other things too numerous
to mention.

APPROVED: Ken-N6ALA 60da trial
computer net Thur 9pm 146.730; \$100
encode-decode boards; SANDARC being
told PARC is not in favor of
convention in January at this time
but might consider it in future
years; Mac-WB6GXR's truck camper and
jacks \$200-\$400; & order of 2k-4k of
PALOMAR ARC folders.

Please contact one of the board
members for more info on the
meeting.

- PRESIDENTIAL QRM -

WA6Y00 2435 Our Country Rd

Escondido, 92029, 743-4212

By the time you read this, my

XYL and I will have traveled to Korea, Hong Kong, Peoples Republic of China and Hawaii. We went with a group of Korean War Veterans with whom I served in that conflict. We planned to take many pictures and if they turn out well perhaps I can share my experiences with you at a future meeting.

This month's big activity is of course ARRL Field Day which occurs the last full weekend in June. As you all know we won the past two years in class 5A and we would like to threepeat if at all possible. It takes a lot of people to put on a serious Field Day effort so we can use as many as wish to volunteer. Our co-chairmen, Dennis, N6KI, and Bill, KB6MCU, will be happy to sign you up for any of the many tasks that need to be performed, e.g. setting up, taking down, operating, logging, picture taking, feeding, and on and on. After having seen the program at this month's meeting, you'll have a better idea of what goes on and how you might wish to participate.

The Novice-Technician-General class is going well with over thirty students. Bill, KB6MCU, has been teaching the theory portion and I have been doing the code. Tim, N6ZUC, relieved me during my trip to the Far East. I have taught code only once before and as I am the world's second worst CW operator, I hope I don't pass on any bad habits to my students. The learning of code is not easy for the older folks in the class so we are rooting for them all to pass the exam. 73, Harry
73, Harry Hodges, WA6Y00

- NEWSLETTER HELPERS -

for May, 1993 SCOPE
W6OLQ, John Tentor, billing
K16JM, Jack Hanthorn, folding
QTH and refreshments
KC6WAN, Ralph Powell, printing
of labels, Giant Computer
KC6QBD, Dick Gearhart, folding
KD6RFM, Emilio Spelgatti, fold.
KB6YHZ, Art Nye, folding
Assoc. Bob McNally, folding
W9FQN, Stan Rohrer, Editor,
SCOPE printing, P.O. Forms

(missed my glass of agua)

Without these people life would be difficult, THANKS! If you live in Vista or near, we could use some extra help for an hour or so at 1pm. Call 598-0420 Tues, one week before the meeting @ 12pm. This equals 1 activity point and a lot of laughs.



- EDITOR -

Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
749-0276, 11:30am or 9:45pm

Art Rideout, WA6IPD, who is trustee of the 146.175 repeater and lives in Fallbrook, saw his 146.175 repeater used repeatedly during the recent disaster in DeLuz. Art sent me a copy of a letter which he wrote about amateurs and amateur emergency organizations not taking time to publicize their accomplishments during emergencies:

"..amateur radio in general, did not receive the media credit it deserved. Our local Fallbrook newspaper, The ENTERPRISE, reported little about amateur activities but did publish a letter from a woman in DeLuz praising the telephone company for flying in several cell phones. She did not mention that most cell phones went dead after a few hours or that they could only be used on the hilltops. But those reading her letter came away thinking that the telephone company saved the day and was the sole provider of emergency communications. What would these readers say if the telephone company wanted amateur frequencies for cellular telephone use? ..and they may."

AMATEUR RADIO NEEDS GOOD PUBLICITY so whenever you see something good happening make sure that you call it to the attention of the club officers so that we can plan on how to use the information to best advantage. =SK=

Every August 1st PARC club membership drops 100-150 members and some of the reasons are: 1)forgot to renew, 2)moved from the area, 3)found participation difficult, 4)unhappy with PARC, 5)joined a different club or repeater

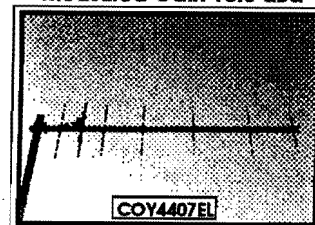
association, 6)financial and 7)death. Usually in that order.

Despite the large "drop out" we have been setting records each July 31st. Most of those who forgot to renew slowly become aware that they are no longer getting their SCOPE and rejoin PARC after loosing several issues. Most of our increase in membership is coming from: 1)newly licensed hams, 2)those changing clubs, 3)hams new to the area, etc.

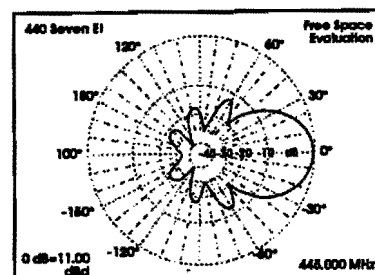
Swiech
communication
systems

440-450 MHz Yagi Seven Element Optimized Design

Measured Gain 10.5 dBd



H-Plane beamwidth 50 deg
Bandwidth 440-450 MHz
SWR < 1.7 at Band Edge
Impedance 50 ohm
Silver Plated Teflon N Connector
Maximum Power 500 Watts
Chemfilm Treatment On Brackets
Balanced Matching System
Two Part RTV Potting
Black Delrin Insulators



(619) 748-2286
Gene Swiech, WB9COY

If you are late in renewing and

miss several Newsletters, you need to remember that your dues are still \$12 and are applied to when your last membership ended ..if within a year. Not when you send in your LATE dues!

• AMATEUR RADIO
• CB RADIO
• MARINE RADIO
• TRANSCEIVER REPAIR

CALL
439-9715

Complete
Professional
Repair
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S.T.C.R. SHOP

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Usually
Open
10-3

IRON
COILS
STEEL
RADIOS
METERS
RESISTORS
INDUCTORS
CAPACITORS
INSULATORS
TRANSFORMERS
TEST EQUIPMENT
NEW & OLD PARTS
MILITARY SURPLUS
PRICELESS ANTIQUES

Call first,
ask for
Nick

Membership in some ham groups oscillate slowly up and down each month since their membership depends upon the month you joined the club. Our is a "saw tooth" graph with most of the change occurring August 1st of each year.

PARC has decided to allow the

changes to occur all on August 1st so that they can concentrate their efforts at renewal during the last few months of the club year rather than throughout the year. =SK=

- R E P E A T E R S - 1 4 6 . 7 0 0 R T T Y

The new RTTY repeater should be up and operating by now and we would like to have you note the following:

- 1) Keep all transmissions below 5 minutes.
- 2) Hang time is approximately 10 seconds.
- 3) Don't forget the 107.2Hz PL needed to operate the repeater.
- 4) Give others an opportunity to BREAK and include methods of operation as a "file" at the end of your transmission every so often.
- 5) Keep a file of all known RTTYers that have checked in on 146.700 and another of those that you know are capable of RTTY.
- 6) If there is interference, try to work through it if at all possible. They will get tired of it sometime and stop it.

There have been recent suggestions that RTTY is outmoded and that the repeater should be used for other digital modes although the frequency has been coordinated in San Diego Co. by TASMA for years as an RTTY frequency. PARC's original thought was to help with the MARS RTTY traffic in emergencies which overwhelms the SDCTN evening voice net (i.e., Desert Storm) and to induce amateurs to try other digital modes on HF. =SK=

- A U T O P A T C H E S - de W 9 F Q N

New members should request an AUTOPATCH INFORMATION SHEET describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY. Present access codes are listed on ur address label ..but YOU WILL NEED AN INFO SHEET on how to use the repeater codes. =SK=

The autopatch on the 147.075 repeater should be operational by the end of June ..if all goes well

..although installing the new controller takes priority. =SK=

There are several probable reasons why your autopatch might have failed: 1) did not follow the instruction sheet, 2) someone is using the patch on another repeater (try again in 3 minutes) or 3) you dialed the wrong area for the phone number being called. =SK=

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

There was a old ham from San Diego
All twisted & bent with lumbago.

He Didn't pay his dues

So we took away his shoes.

Now he transmits barefooto.

XXXXXXXXXXXXXXXXXXXXC6WANXXXXXXXXXXXX

- F O R E S A I L -

Yawl ketch on?

Phone or send ads to Editor's QTH, W9FQN, (see Editor) before the 20th of the month with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are \$40/page to \$5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line.

MEMBER's FREE ADS are for the sale of their own used personal equipment, or for the sale of approved PARC Silent Key Estates which must be so designated. Sale of new items or other items incidental to a commercial operation should be done through the purchase of a PARC paid ad with the exception of items offered by PARC.

SILENT KEY's ESTATES: A club member is appointed by the PARC executive committee to handle each individual station with initial contact by Eleanore, N6QJE, & pricing of equipment headed by Dennis, N6KI. Announcements of Silent Keys (SK) in the SCOPE is done only after contact with the family.

SWAPMEETS: Dennis-N6KI prices; John-WB6IQS VHF, UHF, hardline; Kerry-N6IZW microwave; Paul-KB5MU Pkt, computers, satellite; & Bill-KB6MCU ATV.

SELLING the 54' heavy duty crank up tower (heavier duty than a W-51). Looks like it never has been

used by a little old lady. Has two cranks on it and needs one more for turning them. Club members 1st at \$600: W9FQN for PARC 749 0276 VC.

(6-9) ICOM 2SAT 5w 48mem micro HT with Touch Tone, encoder & soft case; HT 100 channel scanner; Bearcat scanner; HT CB radio; mobile CB radio; all new or like new in original boxes: Chuck N5HTC 273 0406 LaJolla.

(5-20) Kenwood TS-140S xcvr w/CW filter \$575; TS-830S xcvr w/CW filter \$600; Hustler 4BTV 10-40m vertical \$50; Cushcraft A144-10T Oscar 10el satellite beam \$35; Duane AA6EE 789 3674 Ramona.

K3UKW has a list of used gear (43 items). See W9FQN at the next meeting to see the list.

(5-6) Coils 12m & 17M for Butternut HF6V ant new \$25; Dan WA6HYB 433 4445 Ocsd.

(5-6) Realistic DX-100 rcvr .535-30MHz best offer or \$45; Hammerlund HQ-110 rcvr \$10; CB Sonor Mod "E" xcvr \$5; Bob KC6VDX 758 9078 Vista.

(4-29) Kenwood R-2000 rcvr \$300: Dave WA6HQM 753 2605 Encinitas.

HIGHWAY ELECTRONICS: parts, (new/old), military. Ask 4NICK 967-7225 2 C if open(10-3pm) 305 WISCONSIN AV. OCEANSIDE CA

(4-22) Collins KWM-2 w/pwr sup \$550: Lou ND6W 437 8351 Coronado.

(2-4) G6-144B 2m ant 6db unused orig box \$100; ICOM IC-24AT 2m/70cm HT, large BP-84S 1400maHr battery, BP-82 300maHr, wall charger, \$400/offer: Mike WB6CSH 481 0770 DelMar.

(2-25) LK-500ZC HF Amplifier \$800: Bob 941 2824 Vista.

IF U SOLD OR BOUGHT AN ITEM,
LET UR ED KNOW SO HE CAN
REMOVE THAT PART OF THE AD.
PLEASE, ONLY CURRENT ADS!

***** WANTED *****

"a few good men"

(6-6) 220 HT: Larry WA6UTQ 758 5820 Ocsd.

(5-7) Model 28 dual speed RTTY: Dee N6ELP 753 5647.

(5-20) To share a booth at the ARRL SW Division Convention in Sept. at Ventura CA: Duane AA6EE 789 3674 Ramona.

(5-6) Old Callbooks '50-'80; 2m mobile xcvr: Duane AA6EE 789 3674 Ramona.

(4-30) Yaesu 757 Computer Interface: Tom KC6ZRW 943-0079 Encinitas (I have diagrams -Ed)

(4-30) Kenwood Computer Interface kit IF-10B: Dennis N6KI 271 6079 Mira Mesa.

(4-29) Kenwood R-2000 rcvr manual to be copied: Dave WA6HQM 753 2605 Encinitas.

(4-5) Need 730 or 520: Hod Luhn W6UCN/7 406 763 4576 Montanna.

(3-25) Swan MARC II linear for parts: Duane WB6R 753 4821 Cardif.

(3-25) ICOM pwr sup PS-35: Dennis N6KI 271 6079 Mira Mesa.

(3-1) Kenwood receiver R1000, R2000, Yaesu FRG8800, Drake R-8 etc: Henry Palmer 744 6187 San Marcos.

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

San Diego hams' noses are skint
Their knuckles hard as flint

When they no pay their dues

The net carries the news

They're a bunch of skint flints

XXXXXXXXXXXXXXXXXXXXKC6WANXXXXXXXXXXXX

- MEMBERSHIP -

Ralph-KC6WAN Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet should send W9FQN a self-addressed envelope (SASE) requesting same (see Editor's address). =SK=

Club membership rosters are published free in September or October of each year but are available to club members now for 25c at meetings or 50c thru the mail. =SK=

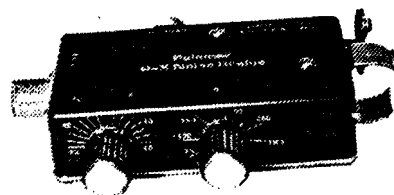
Because this issue of the SCOPE is several weeks early because of Field Day information, NEW and RENEWED member lists are not complete. As of 6-10-93 membership was 743.

RENEWED: N6UWY-Lex(2yr), N6UWX-

Katie(2yr), WA6HQM-Dave, KD6JXO-Frank, WB4YQU-Sam,

THANKS to all those who renewed for more than one year allowing me more time for several important projects.

R-X Noise Bridge



- Learn the truth about your antenna.
- Find its resonant frequency.
- Adjust it to your operating frequency quickly and easily.

If there is one place in your station where you cannot risk uncertain results it is in your antenna.

The price is \$79.95 in the U.S. and Canada. Add \$4.00 shipping/handling. California residents add sales tax.



Send for FREE catalog describing the R-X Noise Bridge and our complete line of SWR Meters, Preamplifiers, Toroids, Baluns, VLF Converters, and Loop Antennas.

Palomar Engineers

Box 455, Escondido, CA 92033
Phone: (619) 747-3343

NEW MEMBERS: Ed Moore(2yr) (waiting), KC6WMU-David(2yr), KD6GMK-Russ(2yr), KD6OBG-David(2yr), John Campbell, Chris Dominguez, Marvin Jones (waiting), Gerry Jones (waiting), Bing Milljour, Ian Thurston, KD6BFO-Rich, KI6CP-Steve, WA6GAH-George, W6MYV-Gordon, WA6ODQ-

Walt, KD6RSN-Herb, K06ULC-Jessica,
KD6ULK-Herb, KD6VHI-Mike, N6YPC-Joe,
CHANGES: Ann O'Brien => KD6RF0,
Dan O'Brien => KD6RFN

The club is selling PARC blue hats with the PARC logo on it for \$5 and we are selling the commemorative 5c cent stamp pins for \$5. See me at meetings. Sorry, but we are out of the PARC blue shirts. If there is enough interest, we will make up another order. =SK=

"The Fishing Hole"

at Oceanside Swap Meet
No 3. Row 14, Space 1&2

Calling all
"Fishing Hams"

SAVE
20-33%

**National
Brands at
Discount
Prices**

Full line of tackle items.

**We also have mail
order fishing tackle
at discount prices.**

**P.O.Box1020
Carlsbad, CA92018**

**W7HKI Larry
W7HKL Maxine**

**10% of all sales
to PARC members
goes to the club**

New members joining late in the month will be included in next

month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

PLEASE!! HELP RALPH-KC6WAN HAVE AN EARLY START ON NEXT YEAR'S MEMBERSHIP. SEND CHECKS NOW! WAITING TILL JULY 15TH ONLY ADDS TO OUR PROBLEMS - and yours. WE NEED TO KNOW TOTAL MEMBERSHIP SO THAT WE CAN ORDER THE PROPER NUMBER OF AUGUST SCOPES TO BE SENT OUT ..and so we don't put your telephone number in the "drop list" for autopatches. Our club year goes from August 1st to July 31st (and don't ask me why -Ed)

It takes Ralph three 8hr days to type in the changes for 750 members so he really appreciates your NOT WAITING till July 15th to send in your dues. PLEASE DO IT NOW!

Some of our members are OUT OF STEP with their dues. This is due to them originally paying \$12 for a year in the month that they joined. So look at your label to find your MEMBERSHIP date, then pay the amount needed TO GET YOU BACK IN STEP. It is located on your label below "PRCymm."

We certainly do encourage you to pay for 2-3 years since it reduces the amount of paper work Ralph-KC6WAN has to do at the end of the year.

Membership figures out to be \$1/month for singles and \$1.75 for a family membership. Its not that we consider your "live-in" as 3/4th of a person. Its just that they do not receive a Newsletter.

If the amount is less than \$10 for a single or a family membership, we would appreciate your sending in the 2yr or 3yr amounts. If you are 9407 or above, forget about sending us anything unless you want us to live off the interest.

1st, check your mailing label on your SCOPE under PRCymm. 2nd, look to the right and decide if you are paying single or family dues. 3rd, select your payment for 1, 2,

or 3 years. Note that LXymm is the year and date of your license expiration. If it is not there, contact Ralph-KC6WAN and get your records updated. THANKS!

IF YOU ARE IN DOUBT ABOUT WHAT TO DO AFTER READING THE "CATCH-UP" TABLES, THEN JUST SEND IN \$12 FOR A SINGLE MEMBERSHIP OR \$21 FOR A FAMILY MEMBERSHIP AND WE WILL EXTEND YOUR MEMBERSHIP FOR ONE YEAR FROM WHERE IT NOW IS ON YOUR LABEL ..AND YOU WILL STILL BE "out of step!"

THEE END IS NEAR!

	(Single),	(Family)	Memberships			
LABEL	1yr	2yr	3yr	1yr	2yr	3yr
9306	\$13.25	\$37.22	\$75.43	\$13.25	\$27.43	\$40.75
9307	\$12.24	\$36.21	\$63.42	\$12.24	\$24.42	\$36.63
9308	\$11.23	\$35.19	\$61.40	\$11.23	\$22.40	\$33.61
9309	\$10.22	\$34.17	\$59.38	\$10.22	\$21.38	\$32.59
9310	\$9.21	\$33.15	\$57.36	\$9.21	\$20.36	\$31.57
9311	\$8.20	\$32.14	\$56.35	\$8.20	\$19.35	\$30.56
9312	\$7.19	\$31.12	\$55.33	\$7.19	\$18.33	\$29.54
9401	\$6.18	\$30.10	\$54.31	\$6.18	\$17.31	\$28.52
9402	\$5.17	\$29.08	\$53.29	\$5.17	\$16.29	\$27.50
9403	\$4.16	\$28.07	\$52.28	\$4.16	\$15.28	\$26.49
9404	\$3.15	\$27.05	\$51.26	\$3.15	\$14.26	\$25.47
9405	\$2.14	\$26.04	\$50.25	\$2.14	\$13.25	\$24.45
9406	\$1.13	\$25.03	\$49.24	\$1.13	\$12.24	\$23.43
9407	\$0.12	\$24.02	\$48.23	\$0.12	\$11.23	\$22.42

5 YEARS A GOGO

7-88: ..voted to buy a emergency trailer ..Tom-N4KRA left the area for Pennsylvania ..Jim-KB6QF started out on a horse but ended up in the hospital with a broken femur and torn ligaments while horse-ing around.

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

- N E T S -

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

ALL NET CONTROLS have received in the mail NEW PREAMBLES for the nets which they run. If you don't get one, contact your net manager or W9FQN. The new preambles bring the PARC nets up to date and make some minor changes. -SK-

PARC is looking for a group of amateurs who would be willing to operate a Sunday evening net on 146.730 at 9pm called "THIS WEEK IN SAN DIEGO." The net would be

available for emergency service groups to make announcements of activities for the coming week, Monday thru Sunday. Also clubs (including PARC) in the San Diego area would be able to make announcements of meetings. With 4-6 operators you would only have to host the net once a month. If you are interested and would like to see the net preamble, contact W9FQN. -SK-

PARC is also looking for a group of amateurs to operate a Sunday evening RTTY net on 146.700 at 8:30pm. The purpose of this net is to encourage the use of RTTY and other digital modes as a means of emergency communications within the county. We admit that RTTY is an "old" mode but it does work and we hope that users will be inspired to upgrade their licenses so that they can work HF RTTY, Packet, AMTOR, etc. =SK=

It looks as if Ken-N6ALA is going to be activating the old COMPUTER NET for those of you who have questions about your computer(s). Ken will be holding forth on 146.730 on Thursday evenings at 9pm ..and possibly checking AFTER the evening SDCTN traffic net to see if anyone has problems. If any of you computer types are willing to share your vast experience with others, please contact Ken and volunteer to help. The net folded several years ago because we could not find enough PARC members to act as net controls. =SK=

The new 146.700 repeater should be up and running in late June so we would like to have some of you RTTY types check with W9FQN for the latest information. At present the repeater will "come up" with an RTTY tone but we might fix it so that a net control could have 5-10 seconds of voice to start the net or to give advice to those attempting to use the repeater for RTTY. -SK-

We still need several more amateurs that can send Morse Code (CW) with their 2m transceivers to help out with the 147.075 evening CODE NETS. At present we have net

controls for each night Monday thru Friday but we really need alternates who can help out when the "regulars" can't make their net.

- NEWS -

Contributions to =NEWS= should be sent to your editor by the 20th of the month.

John-WB6HSZ reports that a well know amateur, Alex-WB6TQF, passed away during the first week in June. =SK=

THE AMERICAN RADIO RELAY LEAGUE IN ASSOCIATION WITH THE CONVAIR AMATEUR RADIO CLUB AND THE AMATEUR RADIO EMERGENCY SERVICE ARE PROUD TO PRESENT THE 1993 HAM RADIO ROUND-UP ON SUNDAY, AUGUST 29, 1993, at Missile Park in Kearney Mesa. All amateurs are encourage to attend this round-up of San Diego Clubs and emergency services. SEE YOU THERE! =SK=

Larry-WA6UTQ says that in the Lake Havasue area 146.61- (London Bridge ARC) is an excellent repeater. Also 146.76- uses the LITZ system (long-tone-zero) and covers Barstow-Kingman-Flagstaff-Phoenix. =SK=

Phil-KC6TYT reports that you can hit PARC repeaters while coming thru the Cajon Pass (395 out of LA basin). Would be nice to run an autopatch from there. =SK=


SANDARC was contacted too late this year about the SD clubs participating in the Del Mar Fair ..we hope to have a booth next year! =SK=

The SCOPE heading lists the club's standing in WAS, WAC, and DXCC. We hope that this coming FIELD DAY we will be able to start filling in the blanks with numbers ..which should keep Jim-KD6IVF busy sending out QSL cards. An interesting project would be to leave most of one FD setup intact and let a group come up to put W6NWG on the map some weekend with CW and SSB operation to start working on WAC and DXCC. =SK=

Harry-WA6Y00, PARC club president, had a very nice write up in the Monday, June 7th, TIMES ADVOCATE which filled up an 8.5x11 inch space. We wish that more

amateurs would contact their local papers and get good stories printed. Contact Harry for more information about how he went about getting the story into print. =SK=

CALIFORNIA LICENSE PLATES: No renewal fee, but one-time charge of \$21 with \$12 charge to transfer the call sign plates to a different car. =SK=




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(800) 669-9501 (619) 756-2388

- LETTERS to the EDITOR -
Ur Ed & Board reserve the
right to print letters and

edit as needed.

(de Walt Huckabay, W6JRQ, May 1, 1993) The cumulative effect of some items in the SCOPE in recent issues has finally overcome my inertia and moved me to write to provide some information which you may not have received.

Fruit That Fights Cholesterol!

A study by Australian researchers indicated that people on a avocado regimen of .5 to 1.5 avocados a day saw their cholesterol levels go down significantly from an average of 236 to 217.

The study group showed a 8.2% reduction of cholesterol while those on a "low fat" diet reduced theirs by only 4.9%.

Avocados preserved levels of HDL cholesterol (the good cholesterol) that actually removes the really bad cholesterol!

W9FQN will have some of those great "Fat Reducing Fruits" at the next meeting and will donate some avocados to the club which they will sell at the next meeting.

REGISTERED U.S. PATENT ATTORNEY

723-0620

Loyal M. Hanson - W9WV
Fallbrook, California

The first which caught my attention was the roster of founding members of PARC, (Feb. 93, p.2) particularly the showing of W6EPM as deceased. I'm embarrassed that I have not written sooner to advise

that Harold is very much alive, not even retired, and working every day in his business. I'm sure someone has already stepped forward with that bit (No one did. His address? - Ed). My information is that W6CHV is a silent key.

In regard to the listing of former officers (Feb. 93, p.6) the Graham shown as president for 1940 is W6PDH listed for 1939, one and the same. David Graham was a newly ordained Episcopal minister who was busy on Sunday mornings. The young vicar held services at three missions beginning in Carlsbad, moving to Del Mar, and finally Encinitas.

(April 93, p.9) you can increase the number of founding members who are presently on the roster of PARC by 100%. If the published membership list is to be believed, W6JRQ, has been a member in recent years.

(May 93, p.6) In regard to Field Day, I think the club did not enter in 1936. The 1937 Field Day was held at a location very close to the present site. The site can be identified from old 395 looking north and a bit to the left from the intersection of 395 and Moosa canyon road. on the skyline can be seen two or three tall pine trees. That's the spot. The land was homesteaded (yes, there was land available in California for homesteading) by Ulmer's father. I suspect that he may have proved up on the land in the 1920's.

The record shows that operation was under the call W6NHH-6, but that is a typo. The call used was Jack Miller's W6NNH. The score was 600, gained from 50 qso's using 20 watts or less power input. The ranking was 33 in the 58 entries (57% -Ed) submitted. The operators were W6NNH, W6EPM, W6ECP, and W6BKZX. The derelict president of that year stopped by briefly early on Sunday morning after closing his store at 9 Saturday night. He claimed it was absolutely essential that he be in San Bernardino to be with the girl who later became his bride of 55 years as of now. Imagine the

complete absence of dedication--- letting such pursuits interfere with ham activities, especially Field Day. (Walt was PARC president in 1937 and 1938 -Ed)

So there it is, Stan -- a bit of information which I believe is accurate. It's not much, but if I didn't write it down now I probably wouldn't get to it at all. (THANKS WALT-W6JRQ --Ed) =SK=

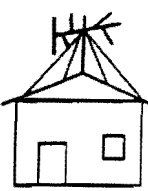
(From Hod Luhn-W6UCN/7 5-11-93, former owner of the PARC Palomar Mountain property) ..here is the title policy and a QSL ..and a check for three years of the SCOPE ..I guess you know the first repeater (146.730) up there was in a cabin belonging to a ham ..in the basement. The cabin was adjacent to the PARC property ..probably plot 55 ..

Anyway, it was stolen three or four days after we installed it! I made the duplexers for it (2 or 4, I don't remember) from about 90mm shell casings from Camp Pendleton ..K6HAV probably got them for us ..I machined grooves in about 5"x5" brass plates approx .5" thick, to match the open end of the shell, and then drilled a hole at the center for an adjusting rod. One had a capacitor and the other an inductor or (both tunable) with a loop adjacent to an in or out coax fitting. Crude, but seemed to work okay for the few days the thing operated. If you ever see them, you'll know where they came from! K6HAV can shed some light on that subject (where they possibly went - Ed) ..ask him when he gets back. 73, Hod. (Hod's address is 109 Grange Way, Marshall, TX 75670.)


(Editor's comments: Hod was a PARC president in 1966 and bought the PARC repeater site for the club to use on December 8, 1976, for \$9,800 after the club had been operating the 146.730 repeater in a shed within 200 feet of our present property, and then before moving to Texas, he sold it to another club member, Les Clark-W6JSL, August 14, 1978 for \$9,800. PARC then bought the property for \$18,000 on 4-28-83 from Les through the "FRIENDS OF

PARC" who borrowed the money from club member Jim Faughn-WD6ENK and started to pay it back monthly at \$119 per month.

Upon the death of Jim, the club bought the 20 year note from Jim's estate. We negotiated the note's \$18K down to \$9,000 (interest rates were around 13-15% at that time and we were only paying 5.25% on the \$18K) and the \$9K was paid off in full in January of 1987 after the club asked for donations and sold hundreds of HAM STAMP PINS. We were \$150 short in December of 86 and Lila, XYL of Vern Baumgartner, W6HW, sent us a check immediately in memory of her two sons, Dennis and William Drake. We are still selling the ham stamp pins at \$5 each and the club has only 75 left (75x5=\$375 worth) out of the 1,000 we started with in 1986. 146.730 started on Palomar Mountain sometime in 1971 and finally owned its own home in January of 1987. Not only are we one of the largest (750 members) and oldest clubs in the USA (1936) but we have one of the oldest repeaters at a site that we own.)



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!



Radio systems installation, repair and removal, and interference resolution.

Edward Ross, N6GZI
542-1405

Antenna
Specialties

- F U N N I E S -

Contributions to this column are encouraged - W9FQN.

An then there was the Ham who wanted to join the MARS net so he

could talk to UFO's! (de KC6YSO)

DIPOLE- Very sick tadpole.

OHM- Where a British ham lives.

..yes, I'm looking for a job - I need a vacation.

VOLTS- What a politician needs to get elected.

INDUCTOR- Drafting a woman for the Army.

RESISTOR- What a man should do if attacked by a female ham.

ANTENNA- Uncle Joe's wife.

PHOTOMULTIPLIER- Person who makes a double exposures.

HENRY- A guy who's wound up.

DUMMY LOAD- A truck full of mannequins.

LED- A lid with an extra class license.

YAGI BOOM: Explosion in JA land.

ACHTUNG

Fur usen das vocalboosten splattenouten keepen der gainknoben to placen wer das sittentunen das boosten forcenmoten mixen launder-boomers evesdroppen ist nicht disturben mitt fuzzenhainen.

#####

P O T P O U R R I

#####

Post office IRC's can be redeemed: before 2-17-75(0c), 2-17-75/5-28-78(18c), 5-29-78/12-31-80(20c), 1-1-81/2-16-88(30c), 2-17-85/4-3-88(37c), 4-4-88/2-2-91(40c) and 2-3-91/present(50c). They do not cash in illegible or IRC's without date stamps. New IRC's have amount stamped on them and can be redeemed for 1c less than you paid for them.

OFFICIAL CLUB BADGES: see John Tentor, W6OLQ, mtgs or 672-3891. John is so efficient at making these badges that they only cost club members \$1 and he does them between ping-pong matches while plotting on his HP printer.

INTERFERENCE: NEVER REACT ON THE AIR TO JAMMING! In fact, we strongly suggest not responding directly or indirectly to any kind of deliberate interference or obscenity, with the exception of a repeater operator turning off the machine in certain required situations. Remember, we ask you

NOT TO CONTACT THE FCC, but to refer serious ongoing problems to PARC club officers.

JOIN THE ARRL: When joining or rejoining the ARRL, do it via the Club which will receive a modest stipend otherwise going to the ARRL. Make your check payable to the Club and get it, with your membership application, to our Treasurer, Benton-KK6LX. NEW ARRL membership applications which include the PARC number (#1703), garner the Club \$5 - and it doesn't cost you a fat farthing more!

HAM STAMP PINS: Replica of ham postage stamp, \$5. Contact an officer at the next meeting.

F C C U P D A T E

SD.Co. AMATEUR sentenced for jamming a police channel. Eyman-KC6TYR, an amateur Technician class licensee, was sentenced to three years of supervised probation and 250 hours of community service for violating federal statutes in jamming a SDPD tactical operations radio channel. Eyman must deprogram and demodify all his amateur radio equipment to remove all public safety frequencies. Contact W9FQN for more info. (de FCC & ARRL letters) =SK=

Club members are reminded that they should refrain from asking the FCC to rule on questions that they might have: interference, what is legal, etc. These questions should be put to the ARRL for answers. History has shown that asking the FCC to rule on something could be disastrous for the amateurs. It is best to get the opinion of the legal staff of the ARRL first. =SK=

License applications can be obtained from the charming Public Affairs officer, June Butler, FCC Field Ops Bureau, 4542 Ruffner Suite 370, SD CA 92111-2216. Ph 467-0549 ..or from Jo-KB6NMK or Stan-W9FQN at club meetings. =SK=

PARC wants to hear your call sign on your first transmission, every 10 minutes, and on your last transmission. We want to hear it at the beginning of an autopatch BEFORE the repeater code and at the end of

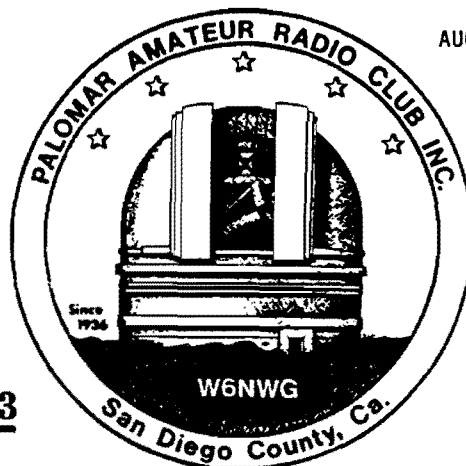
W6NWX W6NWX W6NWX W6NWX

Scope

W6NWX

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073



AUGUST ***** 1993 ** 57 YRS
 %%%%%%%%% Volume XIX NO. 8
 %%%%%%%%% Published every month
 An ARRL Special Service Club
 WAS= 1 WAC= DXCC=
 %%%%%%%%%
 Aug. 4th Meeting WEDNESDAY
 Coffee 7pm and Mtg. @ 7:30pm
 Carlsbad Safety Ctr, Palomar
 Airport road to Camino Real,
 East on Faraday 1/4mi, left
 to C.C. Ctr., T.B. pg.14,F6.
 Talk-in 146.73 & 147.075/130
 %%%%%%%%%

PARC FREQUENCIES USED:

* = PATCHes thru P.Mt.Rptrs.
 Covering 2,000sq.mi.SDCo
 ** = PATCH, local VSTA/FBRK
 % = W6NWX, PARC, WI6B-Ron
 (107.2 Hz used for all PL's)
 Load your memories with the
 PARC frequencies listed:
 145.050Pkt, W6NWX/"PALMAR"%
 146.175+,(**PATCH,PL) WA6IPD
 Fallbrook, Art Rideout
 146.520s, National Simplex
 146.535s,Palomar ARC Simplex
 2mSimplex Emerg.Portable Rpt
 146.700-, RTTY,PL, 5min.T.%
 146.730-,(**PATCH,PL),P.Mt.%
 147.075+,(**PATCH,PL),P.Mt.%
 147.130+,(**PATCH,PL), KA6UAI
 Palomar Mt,Erik Thompson
 224.900-, PL, Palomar Mt.
 WD6HFR,220 Club of S.D.
 METROLINK Pkt 9600 baud %
 446.000s, National Simplex
 449.425-,(**PATCH,PL),P.Mt.%

AUTOPATCH OUTLET CENTERS:

WB6FMT-VSTA; WV6Z-MMSA
 WA6IPD-FBRK; N6IZW-LMSA

***** C A L E N D A R *****
 AUG 1 Sun.START PARC CLUB YR
 (YOUR LAST SCOPE?)
 Aug 4 Wed.PARC CLUB MEETING
 Aug12 Thu.PARC Board Meeting
 Aug13/14/15 MIRAMAR AIR SHOW
 Aug14 Sat.PARC VE Carlsbad
 Aug14 Oceanside Ham SwapMeet
 AUG?? ???Picnic in October!
 Aug29 Sun.Ham Radio Roundup
 Sep 2 Wed.PARC Club Meeting
 Sep 6 LaborDay PMVFDbarbecue
 Oct SET EXERCISE
 Oct17 Sun. PARC Club Picnic

- NEXT CLUB MEETING -

IF YOUR LABEL READS 9307, THEN
 YOUR MEMBERSHIP ENDS JULY 31ST AND
 THE LAST NEWSLETTER YOU WILL RECEIVE
 IS THE AUGUST SCOPE (THIS ONE!)
 WHICH IS PRINTED AND MAILED IN JULY.

Art McBride-KC6UQH, VP and pro-
 gram chairman, has announced that
 the next club meeting will be Kerry
 Banke, N6IZW, who will speak on the
 school space shuttle contact
 demonstration and he will bring his
 ALL BAND TRANSMITTER (a GIANT Tesla
 coil). It should be a shocking
 program.

SHOW and TELL will feature
 whatever you bring. Talk to Art-
 KC6UQH before the meeting starts to
 reserve a time slot for your SHOW &
 TELL item(s).

W A N T to be a H A M ? (or Dial-a-Ham)

If you or a friend are inter-
 ested in becoming an amateur radio
 operator and/or in joining PARC,
 please contact one of the ELMERS
 listed:

*** E L M E R S ***

CARDIFF, . WB6R, 753-4821

CARLSBAD *** Benton Caldwell
 KK6LX, TREASURER, 729-5161
 CARLSBAD, . N6QJE, 729-0850
 CHULA VISTA, N6RUV, 422-4415
 DEL MAR, . KC6BJM, 755-5244
 ENCINITAS, WA6HQM, 753-2605
 ESCONDIDO ***** Harry Hodges
 WA6YOO, (PRESIDENT), 743-4212
 ESCONDIDO ***** Art Mc Bride
 KC6UQH, (V-PRES), 741-8143
 ESCONDIDO, KB6NMK, 741-2560
 FALLBROOK, WA6IPD, 728-6834
 La MESA, . N6UUW, 697-6025
 LAKESIDE, . WB6GXR, 561-2211
 LEUCADIA, . K6GVX, 436-9983
 LINDA VISTA, KB5MU, 571-8585
 MIRA MESA, . W6TXK, 566-1959
 OCEANSIDE, AB6LY, 439-4109
 OCEANSIDE, . W6TFB, 757-9374
 POWAY, . N6NNI, 748-8391
 RAMONA, . AA6UU, 789-3070
 RANCHO Pen, W6OLQ, 672-3891
 RANCHO S.Fe, WI6B, 756-3133
 SAN DIEGO, . N6KI, 271-6079
 San Marco\$, KC6WAN, MemberShip
 Ralph Powell 727-7415
 SAN MARCOS, AA6OM, 747-5872
 SOLANA BEACH, N6CKQ, 755-9179
 VALLEY CTR, **WH6CH, Secretary
 Mike Garrison, 731-5228
 VISTA, . WB6FMT, 758-4388
 VISTA, . KI6JM, 598-0420

- LAST CLUB MEETING -

Attendance was 115 members, 19
 guests, for a total attendance of
 134. PLEASE COME EARLY and help set
 up chairs.

Another excellent meeting with
 Fred Van Avery, radio and television
 interference inspector for SDG&E,
 telling us how he locates electrical
 noises in AC lines. It was
 interesting to note that Fred is
 able to recognize the noise source
 sounds of about 90% of the cases.

His experience allows him to locate most sources without using his sophisticated equipment. He starts out using the HF frequencies (low) to locate the area and then UHF/VHF (high) to pin point the exact location when he is in the immediate area. If you have problems, call mornings at 491-5908.

SHOW and TELL: Art-KC6UQH with an antenna tuner used for the EARS Field Day.

Dennis-N6KI again had a table with junk and hard to find items with 10% going to the club.

ART-KB6YHZ, LARRY-AB6LY & Kay again supervised the drink and goodie table. Art brings the equipment and Larry and crew take care of the coffee and goodies. Members bringing in goodies were: KI6JM, AB6LY/KEIKO, N6TCB, W6GIC, N6ISC, KM6PY, WB6GXR, & JONES/GERRY.

The goodies were great and you were rewarded with "1" participation ticket each (not per cookie ..or twinkie)!

- also present -

Others: Bill-KB6MCU (training)

Visitors: W6GIC

Club members are invited to attend these meetings to observe the Board of directors in action ..or non-action ..es (and) get an activity pt for attending! Harry-WA6Y00's brownies went fast..

DISCUSSED: Aug. program and rest of the year; funds available and closing out 92-93; Oct. 17th picnic; membership 754; PARC membership card; KB6MCU class report, 32 out of 33 passed; Field Day results, problems, expenses, etc; swap meet; etc.

APPROVED: PARC folder 2,000 copies (\$65?); \$100 picnic reservations; appointed W9FQN to report to board on a repeater transfer. (7-22) approved \$400 for 1,000' coax.

Please contact one of the board members for more info on the meeting(s).

- **PRESIDENTIAL QRM** -

WA6Y00 2435 Our Country Rd
Escondido, 92029, 743-4212

As I have said in the past, Amateur Radio has something for everyone. However, we do not always have the opportunity to see the wide variety of activities in action. Well, that will no longer be true because of an annual event soon to take place:

HAM RADIO ROUNDUP

The second annual Ham Radio Roundup is scheduled for Sunday, August 29, 1993 between 10:00am and 2:00pm at the Convair Missile Park, located at Missile Road and Clairemont Mesa Blvd., Thomas Brothers Page 45, E6.

This is purely a Ham activity, not open to the general public. Virtually all of the county's Amateur Radio Clubs and many of the public service agencies will have displays. For PARC, we will have a display showing our affiliation with Challenger Junior High School in the Partnership in Education Program. Other clubs will do packet, ATV,

satellite, and the like. ARES and RACES will be on display.

Here is an opportunity to mix with your fellow Hams, discuss common interests and trade ideas on improving our hobby. Not to be slighted, our commitment to public service through working with the Red Cross and others will be highlighted.

Mark your calendars, plan to bring guests and introduce someone to the wonderful world of Amateur Radio. A picnic lunch should be carried so you can spend some time there. Stop by the Palomar ARC table and say hello.

MIRAMAR AIR SHOW

It's that time of year when the Navy puts on a great show at the Miramar Naval Air Station. If you have never seen it, you goofed. We Amateur Radio operators provide communication support to facilitate traffic and crowd control and assist in medical emergencies. The event takes place on August 13, 14, and 15 and 2 Meter operators are needed each day. Do your bit towards giving something to the community by calling:

DAN BEGGS, KD6ASN, 748-8378

Operators are needed all three days. See you there.


73, Harry Hodges, WA6Y00

- **NEWSLETTER HELPERS** -


for July 1993 SCOPE(12:30)
W6QLQ, John Tentor, billing
KI6JM, Jack Hanthorn, folding
QTH and refreshments
KC6WAN, Ralph Powell, printing
of labels, Giant Computer
KC6QBD, Dick Gearhart, folding
W6TFB, Lloyd Hunt, folding
KB6YHZ, Art Nye, folding
KB6YHY, Anita Nye, labels
Assoc. Bob McNally, folding
WA6Y00, Harry Hodges, Staples
W9FQN, Stan Rohrer, Editor,

The Vista post office has notified PARC that we will have an audit of our August SCOPE.

Tnx to all of you who offered to make copies of the club brochure at the July meeting. We have found that TERRY-K3PXX has a printing



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!



Radio systems installation, repair and removal, and interference resolution.

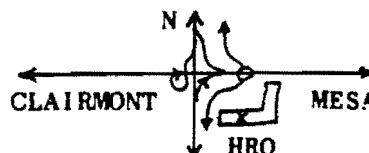
Edward Ross, N6GZI
542-1405

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PRESENT at board meeting -

Pres : Harry Hodges, WA6Y00
RTech: John Kuivinen, WB6IQS
VP : Art Mc Bride, KC6UQH
Sec : Mike Garrison, WH6CH
Members: Ralph KC6WAN
SCOPE: Stan Rohrer, W9FQN
Packet: Tim-N6ZUC (control)



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Without these people life would be difficult, THANKS! If you live in Vista or near, we could use some extra help for an hour or so at 1pm. Call 598-0420 Tues, one week before the meeting at 12pm. This equals 1 activity point and a lot of laughs.

- EDITOR -

Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
749-0276, 11:30am or 9:45pm

From 1956 to 1969 I was advisor to the Elkhart HS ARC (Indiana) Club station, K9IXS. One of my amateur radio club students (1960-4), K4ESQ, (a former FCC lawyer) from Lake Minnetonka, MI, called on the phone the Thursday before FD and wanted to know if he could fly out Saturday afternoon to see how PARC does its Field Days. Our high school club station, K9IXS, almost always participated in FD and he has heard me tell about the tremendous effort PARC has been putting into this

emergency exercise.

K4ESQ was here from Saturday afternoon until 4:30 Sunday morning. He helped put up some towers and antennas. Needless to say, he was so impressed with our club's effort that he called me twice Sunday afternoon and evening after flying home to express his awe at the two 40m beams (CW & SSB) and the large number of towers that most stations had at their command. He was also impressed by the professionalism of our operators and the number of YL's that attend our Field Days.

PARC's 1993 Field Day was a massive effort by everyone and much of the credit goes to DENNIS-N6KI and BILL-KB6MCU. Dennis is excellent at getting operators and radio equipment together for each of the positions. He had a few problems this year but always in the end he fields a fantastic team of operators and equipment. Bill is a genius at making beams, towers, and all things mechanical work as they should. ORLANDO-N6UVW (the father of Dennis) is a shop wizzard who can

make copies of metal objects that are better than the originals.

Bill informs me that we used 2,800' of coax and that we brought into the area almost \$270,000 worth of equipment.

Our thanks to Dennis, Bill, and Orlando ..and to ALL OF OUR CLUB MEMBERS who put forth such a valient effort to better our best contact score in 1992 of 4,367 contacts to a 1993 record score of 5,629 contacts in 24 hours. We sure hope that this makes us NO.1 in 5A again and in the top TEN of all stations as we have been the past two years.

A special thanks to all of the Chief Operators of each of the stations and to the cooking crew who served all of those delightful meals.

Then there were the grunts who helped set up and tear down the club FD equipment ..and fed the hungry crew. Not very glamorous, but without them we would not have been on the air making contacts. Tnx to Paul-N6ISC, Art-KC6UQH, and Sybil-N6GIC who were the last to leave the site



(except for Bill-KB6MCU and Stan-W9FQN). Bill had to unload borrowed equipment from the trailer. Art delivered borrowed generators. Your editor was still doing a little cleanup Monday morning and moving trailers around to their final resting spots.

Many thanks to a wonderful bunch of dedicated hams! 73, ^{W9FQN} Stan

Jennifer A. Thieme
KM6WG

Bookkeeper
Accountant

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Loyal M. Hanson - W9WV
Fallbrook, California

- WORK PARTIES -

If you are on a work party, make sure that it is reported to the editor ASAP.

(5-31) ORLANDO-N6QVW was

assisted by STAN-W9FQN in checking the fitting of the new tower plate which Orlando constructed to the club's emergency trailer. On 6-8 they mounted the tower donated by NICK of HIWAY ELECTRONICS to the trailer. Only minor things need to be done to finish the installation of the tower and the displaced LP gas tanks. Orlando also dropped off the truck portable stand for the remaining tower donated by Nick.

(5-31) JOHN-WB6IQS finished almost three days of work on the RTTY repeater and with the help of CHARLES-N6TEP was able to check out the RTTY decode-encode board for proper operation.

(6-13) was a lucky day for us (Friday the 13th fell on Sunday this month) ..JOHN-WB6IQS's effort on the 146.700 RTTY repeater paid off and it is now on the air at low power. VICTOR-KI6JM of Belize fame was top man on the 80' tower at the 70' mark and was assisted by Stan-W9FQN at the 50' mark ..a repaired 2m 4-bay (9db) by ART-KC6UQH (he spent a lot of time on it) was placed at the 70' level and a 70cm collinear (13db) repaired (lowered in frequency by John and Art) was placed lower on the tower for the METRO PACKET LINK. All efforts were ably assisted by DAVID-KC6YSO and GARY-KK6YB who did all of the ground work and assisted W9FQN in measuring some trees for the road repair project. A good time was had by all and we closed shop around 3pm. We wish we could have seen more of YOU!

We saw our neighbors (property line problems) walk along our north boundary to the site during the afternoon. Stan delivered to MIKE-AB6QT two high gain 2m antennas for a future project.

(6-14) Stan returned to the site to work with the Pac Bell planner on the installation of the new telephone line which we hope to have up by the end of June.

(6-20) BILL-KB6MCU repaired both crank-up towers given to the club by HIWAY ELECTRONICS so that they function properly for Field Day. STAN-W9FQN sealed the ends of 1000's of feet of FD rope which had

not been done last year. DAVE-KC6VEC and CARL-N6WLX who flew in from Ohio this past week for FD checked out a 40m sloper and a new 160m antenr. which will be boxed up for FD. It really is hard keeping track of BILL and all of his activities.

(6-21) JOEY-NU6L installed the nine electrical wiring boxes for the new building (ice box) while STAN-W9FQN and Juan Gonzalez dug 105' of trenches for the new telephone connection and new wiring. The telephone wire was installed in 1" plastic pipe and buried. Joey will complete the AC wiring as soon as he picks up the new circuit breaker box and a few other needed items. Stan also extended the height of the work bench in the new building so that repeaters could be placed below the work bench and he tried to extend the time-out timer on the 146.7 RTTY repeater but could not find its adjustment.

A local resident added 10-15 loads of DG to the incoming road which has been in really bad condition from the extensive winter rains on Palomar Mountain. Additional road work will be done during the week with the possible removal of several trees.

(6-22) CARL-N6WLX checked out a 160m FD antenna while STAN-W9FQN during spare moments stripped the paint from the club house trailer so that it would look better for FD. (6-23-24) More stripping of paint ..and a little polishing.

(6-30) The phone line was connected to the main bunker and an extension is ready to be buried to the new building.

(7-7) DAVE-KD6EBY checked our 3,200Ahr battery system. Trickle charge is 1.5A on each 7-cell bank and they will soon need about 10gal of water which seems like a lot but 14 LARGE cells weighing about 400 pounds each take up a lot of water just to raise their level one inch.

(7-11) JOHN-WB6IQS installed a new telephone in the block building (called KA6FPS) and another one in the new building which he bought at Saturday's Swap Meet. He then checked the RTTY repeater: reset the

RTTY tones, upped the deviation to normal, increased the timeout timer to 3-minutes, and repaired the signal reset for that timer. He was assisted with signals from below by KEN-N6ALA. (Whoops, we later found out that an error in communications between JOHN and KEN resulted in the mark tone being decoded and re-encoded as a space ..and vice versa ..more news at 10.)

JERRY-WB6FMT corrected an autopatch problem to 146.73 which was being introduced by a problem in the 147.13 repeater squelch system. He also changed several system control codes to take care of the autopatch to be placed on the 147.075 repeater.

GREG-N7USR installed aluminum channel anchors all the way up the tower so that when the repeaters are moved to the new building that the new heliax runs can be tied in order to the channel anchors making a neat installation where we can easily trace where each heliax goes. GREG put them every 10' from 20' to the 50' level.

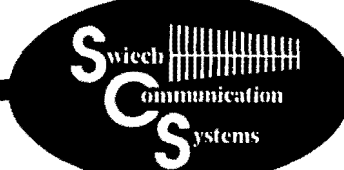
KATHY-KD6LUN painted everything that did not move in the new repeater building and drilled holes in the channel anchors for GREG. KATHY also consented to make up a new high-low digital thermometer to be used in the repeater buildings to see what sort of ventilation is needed on hot days.

STAN-W9FQN made some "public relations" visits to the neighbors, helped where needed, cut down several trees with his new chain saw, and using the last of the Rohn tower sections donated by Clint-W60FT(SK), installed a new cross-arm at the 10' level on the 80' tower to be used for emergency and experimental antennas ..or was it to get rid of another tower section laying in his back yard?

In checking all the repeaters AFTER leaving the site it was discovered by JOHN that ERIK's 147.13 repeater was running with open squelch. The problem was not located so ERIK will probably come up and replace an audio board sometime soon to see if that

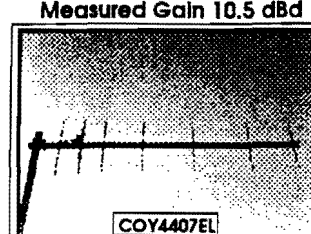
corrects the problem. =SK=

(7-13) PAUL-N6ISC, AL-W6FXL, and STAN-W9FQN picked up some donated equipment from the estate of K6IE. RALPH-KC6WAN and STAN had previously inspected the equipment. (pse note that K6IE IS NOT N6IE (Felix) who is still a club member and pounding brass!)

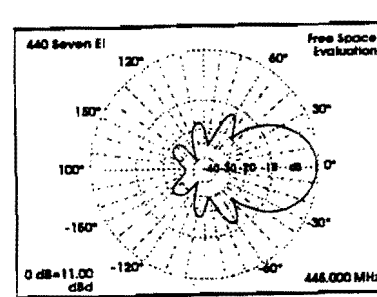


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Gene Swiech, WB9COY

(7-23) ART-KC6UQH took the newly finished autopatch/controller to the mountain and installed it in the 147.075 repeater. Sounds simple but this was the result of many nights of construction. He finally left the site at 1830Hrs.

STAN-W9FQN dug a hole next to the 80' tower and poured the cement base for a 6' motorola outdoor rack that he took to the site. This is the rack donated by TED-KD6AKT. The newly painted rack by W9FQN will probably be used by ERIK-KA6UAI for a project that he has in mind.

Just think. You too could get another activity point by being on a repater work party! The air is fresh and you are out in the woods. Join the fun and see the world of San Diego County from 5,600'.

~~~~~  
The City Council gave its nod  
Up went the skimpy quad  
But without payment of his dues  
Club pres removed the screws  
Now City says 'twas fraud

~~~~~ KC6WAN ~~~~~  
- R E P E A T E R S -

We are looking for someone who would be willing to connect up a digital voice recorder to the repeater system so that we could have recorded announcements for ALL the PARC nets and for meeting announcements. PARC would provide all of the equipment and expertise to do the job. Interested members should contact STAN-W9FQN.

The 146.73 repeater has been returned to the 4-bay dipoles at the 70' level from the corner reflector (8.1db) which it has been on for the past 8-9 months. The 147.13 and 146.73 repeaters are now using the same type of antennas (9db) again and are at the same height on the tower (again at 70') but on opposite sides of the tower ..just as they were last year but their sides reversed on the tower. And now for some reason on another the 146.73 repeater is desensing the 147.13 repeater. This means that weak signals will drop out of Erik's 147.13 repeater more quickly when 146.73 is on the air ..and we suspect this is true of 147.075 too. We are looking into the problem. =SK=

Erik's 147.13 repeater lost all signal output June 26th except for the driver power which W9FQN could copy at his QTH. The receiver could

be keyed with a dead battery and less than 100mw so the receiver was working but the final transistors might be blown (not so). The repeater was returned working to the mountain July 5th after a bad jumper cable was discovered at the repeater site which caused a high SWR forcing the power shut-down circuit to turn off the finals. We have now discovered that it also has a "squellch" problem. =SK=

SPANISH ON 146.73 input (146.13): we suspect that a non-ham station in Mexico or the USA is using the input of the 146.73 repeater as a simplex INTERCOM (they can't hear us). We need help in locating the direction of this signal which comes on periodically during the day so that we can contact the Mexican hams and/or authorities if it is coming from Mexico. If it is in the USA, they could be in a canyon where few people can hear the signal and the second station could be using an HT and is blocked from Palomar Mountain so that we cannot hear it (him). MIKE-AB6QT hears both sides up on Palomar Mountain which might suggest that they are to the Southeast of him. We hope that Mike can get a direction for us on both signals.

DENNIS-N6KI has swept the TJ area and can hear nothing on the input. Years ago we had problems with several stations in Mexicali. If you understand Spanish, see if you can tell from their conversations whether they are in the USA or Mexico.

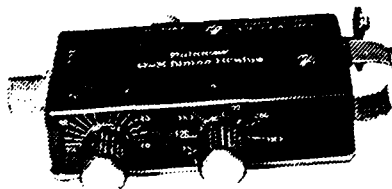
We could turn on the PL and prevent them from being broadcasted but that just hides the problem. Their signals are strong enough that they could over power HT signals here in SD Co. blocking them completely out of the repeater so we would like to get them off of the frequency ASAP. It sounds like they are simplex with a strong base station and an HT that does not trip the repeater.

Please check your input when you hear them on and lets see if we can determine that they are across the border before we ask the

Mexicans to do anything. =SK=

146.73 SNAP-CRACKLE-POP: At first the problem was traced to power line noise possibly from a near lightning strike. Lately it has been coming from a repeater, AB6C/R, in Hollywood Hills on 146.115+ which is only 15kc off the input of 146.73 (146.13). Ducting of the signal

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brings it into SDCo and excessive deviation spills over into our input giving us that "hot skillet" sound. We have also noticed a signal 5-10kc below our repeater input broadcasting the snap-crackle-pop ..and they usually do it after a

work party has been to the repeater site ..probably so the morning commute group has something to talk about! DON'T FEED THE MONKIES! =SK=

The repeater TECHS are aware of the "so called" repeater drop out on 146.73 so we would appreciate it very much if you would not mention it during your conversations. We can cause a drop out like the one you are experiencing by several "non-repeater" methods. Please check your input (146.13 +/- 5kc) during the "drop outs." =SK=

147.075 REPEATER: It now has a new controller which we have not completely mastered. When you drop your carrier you will hear a "bong" which means the timeout timer has been reset. If you wait too long after the "bong" you will hear the letter "P" which indicates "PARC" or "Palomar Mountain ..take your pick! You also will not hear the autopatch TouchTone digits. =SK=

NEW 146.7 REPEATER: The repeater seems to be functioning properly after the 2nd trip to the mountain accidentally resulted in reversing the MARK and the SPACE frequencies. If you are looking for a contact, we suggest that your chances of contacting someone in the beginning is higher between 8:30pm and 9:30pm. Remember to have your 107.2Hz PL turned on. The PL is there AT PRESENT so that we only hear RTTY stations in the SDCo area and so that other systems can reject SDCo. if they wish to do so. Our position on this could change sometime in the future. The time-out timer has been reset to five(+) minutes.

Stations heard on the RTTY repeater are: Charles-N6TEP, Ron-KD6FQW, Carl-N6NZX, Ron-KD6FQW, Joe-N6YMD, Ken-N6ALA, Bob-KA3KVI, Larry-W6QCA, Hugh-WT2Y, Larry-AB6LY ..and others too humorous to mention. =SK=

E L L E N - N 6 U W W
6-19 Ellen-N6UWW (Price Club), Terry-K3PXX (the magic man), Stan-W9FQN looked for a jammed mic in the Vista area which first came on 146.73 around 7:30am. Ellen located a signal coming from a house

near Foothill-Vale Terrace (lots of horses in the area) and Stan entered the gate and went up to the house. He noted the barking in the background being broadcast was the same as that coming from inside the house. The signal was hard to locate because of the many reflections that were being picked up in the area which made the signal appear to come from several directions.

It was a mic laying on a table which had been jammed up against the transceiver by a notebook on the table by a ham who was out "horsing-around." The only equipment used by N6UWW and W9FQN was their HT's and the "HT in the belly" method as taught by W9FQN at the club picnics the past few years. Thanks to Larry-WA6UTQ and the many others who first gave us indications of strong signal areas in which to look. =SK=

- AUTOPATCHES -
de W9FQN

New members should request an AUTOPATCH INFORMATION SHEET describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY. =SK=

The 147.075 autopatch is now connected to the patch system on a trial basis. There seem to be several bugs which we hope to get ironed out soon. These problems might still be with the 147.13 repeater "blowing squelch" into the autopatch system. =SK=

PARC probably runs more autopatches than any other group. It needs to be remembered that the system serves only ONE REPEATER AT A TIME: 146.73, 147.075, 147.13, and 449.425. Therefore, if your patch does not go through the system you might check .73, .075, & .13 to see if the system is being used by one of our other repeaters. The odds are that it is not being used on 449.425 ..so try again. The 146.175 patch in Fallbrook is on a different system located at WA6IPD's QTH. =SK=

The new phone line to the repeater site was installed the last week in June. =SK=

The following PARC members have

been observed making good autopatch calls: PHIL-KC6TYT, DENNIS-N6KI, SUSAN-N6QDB, RON-KM6MW, FRANK-KI6YG, MARK-AA6TR, JEFF-AB6PU, etc.



Joan Lovell

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Pete W3ARU's XYL

The following amateurs have been observed using the best format for making an autopatch call: BUD-KD6SZO

a)they announced their call using phonetics, b)dialled access, c)waited for dial tone, d)dialled 7-digit number, e)short non-business call, f)announced their call with phonetics "clearing patch," and g)shut down patch with the proper code(s).

Phonetics are really only requested for the letters following the digit in your call. For example: KD6SZO = KD6 SIERRA ZULU OSCAR. In most cases the control operators do not know your voice and that you are a PARC member so it is important to know WHO IS MAKING THE CALL. It is easy to confuse the letters v, b, c, d, e, etc. so it would help to have the phonetics. IF WE THINK YOU ARE NOT A MEMBER OR HAVE MADE AN IMPROPER CALL, WE WILL PUT THE TELEPHONE NUMBER YOU DIALED IN OUR =HATE= FILE and you won't be able to access it in the future. =SK=

We need to make sure that we know your call letters otherwise we might think YOU ARE NOT A MEMBER. Non-members and members improperly using the autopatch system have their telephone numbers added to the GIANT COMPUTER that dumps calls automatically. They might be able to get thru the system to the phone number which is restricted but when the GIANT COMPUTER finishes looking up the restricted number from its restricted tables, it will dump them even if they are connected.

YOU could be using the patch correctly. Its just that a control operator did not have a pen in hand to mark it down on a sheet of paper when he heard you make your call. Check next months SCOPE ..and the next!

- FORESAIL -

Yawl ketch on?



Phone or send ads to Editor's QTH, W9FQN, (see Editor) before the 20th of the month with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are \$40/page to \$5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line.

SELLING the 54' heavy duty crank up tower (heavier duty than a W-51). Looks like it never has been used ..even by a little old lady. Has two cranks on it and needs one more for turning them. Club members 1st at \$550: W9FQN for PARC 749 0276 VC. (7-21) Yaesu FT-2400 2m xcvr

FREE ADS FOR MEMBERS

\$350; MFJ-989C 3kw ant tuner \$250: Abe KC6UQA 432 8222. (7-8) Commodore C-64 computer complete ex cond monitor 2-drives 2-printers 80col card mem-exp card software RTTY interface, inst books all \$200: Henry N6JWF 945 1247 Ocsd. GOOD WAY TO GET ON RTTY AND RUN CODE!

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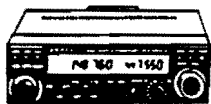
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6-18) Drake w4 wattmeter .2-2kw scale \$55; Tentec squeez keyer \$55; battery charger D-A-C cost \$30 now \$9; mobile 3.5" cone spkr \$8; SCANNER R/S mobile + 110vac w/mt bracket w/out of area xtals UHF/VHF \$20; E Voice Mic 674 W/stand & cord \$25: Larry W7HKI 439 5855 Ocsd.

(6-16) Kenwood TS-130SE xcvr 80-10m + WARC, MC-50mic \$400: Marvin WB6PKK wkd 597 5388 or eve747 2223.

(6-9) ICOM 2SAT 5w 48mem micro HT with Touch Tone, encoder & soft case; HT 100 channel scanner; Bearcat scanner; HT CB radio; mobile CB radio; all new or like new in original boxes: Chuck N5HTC 273 0406 LaJolla.

(5-6) Coils 12m & 17M for Butternut HF6V ant new \$25: Dan WA6HYB 433 4445 Ocsd.

(5-6) Realistic DX-100 rcvr .535-30MHz best offer or \$45; Hammerlund HQ-110 rcvr \$10; CB Sonor Mod "E" xcvr \$5: Bob KC6VDX 758 9078 Vista.

(4-29) Kenwood R-2000 rcvr \$300: Dave WA6HQM 753 2605 Encinitas.

=====

HIGHWAY ELECTRONICS: parts, (new/old), military. Ask 4NICK 967-7225 2 C if open(10-3pm) 305 WISCONSIN AV. OCEANSIDE CA

=====

(4-22) Collins KWM-2 w/pwr sup \$550: Lou ND6W 437 8351 Coronado.

(2-4) G6-144B 2m ant 6db unused orig box \$100; ICOM IC-24AT 2m/70cm HT, large BP-84S 1400maHr battery, BP-82 300maHr, wall charger, \$400/offer: Mike WB6CSH 481 0770 DelMar.

(2-25) LK-500ZC HF Amplifier \$800: Bob 941 2824 Vista.

TUBES for sale ..all kinds ..all sizes ..part of PARC tube yard: Dave WA6HQM 753-2605 Encinitas.

***** WANTED *****

"a few good men"

(7-17) Manual to be copied by me for Regency HR-2b FM xcvr: Stan W9FQN 749 0276 Villy Ctr.

(6-18) Manual for HeathKit HW-101 or copy. Need help for new ham club: Larry W7HKI 439 5855 Ocsd.

(6-6) 220 HT: Larry WA6UTQ 758 5820 Ocsd.

(5-?) Model 28 dual speed RTTY: Dee N6ELP 753 5647.

(5-20) To share a booth at the ARRL SW Division Convention in Sept. at Ventura CA: Duane AA6EE 789 3674 Ramona.

(5-6) Old Callbooks '50-'80; 2m mobile xcvr: Duane AA6EE 789 3674 Ramona.

(4-30) Yaesu 757 Computer Interface: Tom KC6ZRW 943-0079 Encinitas.

(4-30) Kenwood Computer Interface kit IF-10B: Dennis N6KI 271 6079 Mira Mesa.

(4-5) Need 730 or 520: Hod Luhn W6UCN/7 406 763 4576 Montanna.

(3-25) Swan MARC II linear for parts: Duane WB6R 753 4821 Cardif.

(3-25) ICOM pwr sup PS-35: Dennis N6KI 271 6079 Mira Mesa.

(3-1) Kenwood receiver R1000, R2000, Yaesu FRG8800, Drake R-8 etc: Henry Palmer 744 6187 San Marcos.

This ham's rig had a full gallon Rata tattat of his code was infallon He didn't pay his dues And so now all refuse To copy the infallon gallon

SWAP MEETS/NETS

OCEANSIDE: Meets on the 2nd Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers \$13. If you are selling only a few items, you might want to double up with others to reduce your individual sellers cost. You might also want to check with Harry-WA6Y00 for any discount coupons he might have.

Larry-AB6LY and wife Kay set up the PARC booth with banners and signs and manned (& womened) it during the morning hours with help from Jim-KD6IVF.

- MEMBERSHIP -

Ralph-KC6WAN Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet should send W9FQN a self-addressed envelope (SASE) requesting same (see Editor's address). =SK=

IF YOU ARE IN DOUBT ABOUT WHAT TO DO AFTER READING THE "CATCH-UP" TABLES, THEN JUST SEND IN \$12 FOR A SINGLE MEMBERSHIP OR \$21 FOR A FAMILY MEMBERSHIP AND WE WILL EXTEND

YOUR MEMBERSHIP FOR ONE YEAR FROM WHERE IT NOW IS ON YOUR LABEL ..AND YOU WILL STILL BE "out of step!"

THEE END IS NEAR!

| (Single), (Family) Memberships | | | | |
|--------------------------------|------------|---------|---------|---------|
| LABEL | 1yr | 2yr | 3yr | |
| 9306 | \$13 25 37 | \$22.75 | \$43.75 | \$64.75 |
| 9307 | \$12 24 36 | \$21.00 | \$42.00 | \$63.00 |
| 9308 | \$11 23 35 | \$19.25 | \$40.25 | \$61.25 |
| 9309 | \$10 22 34 | \$17.50 | \$38.50 | \$59.50 |
| 9310 | \$ 9 21 33 | \$15.75 | \$36.75 | \$57.75 |
| 9311 | \$ 8 20 32 | \$14.00 | \$35.00 | \$56.00 |
| 9312 | \$ 7 19 31 | \$12.25 | \$33.25 | \$54.25 |
| 9401 | \$ 6 18 30 | \$10.50 | \$31.50 | \$52.50 |
| 9402 | \$ 5 17 29 | \$ 8.75 | \$29.75 | \$50.75 |
| 9403 | \$ 4 16 28 | \$ 7.00 | \$28.00 | \$49.00 |
| 9404 | \$ 3 15 27 | \$ 5.25 | \$26.25 | \$47.25 |
| 9405 | \$ 2 14 26 | \$ 3.50 | \$24.50 | \$45.50 |
| 9406 | \$ 1 13 25 | \$ 1.75 | \$22.75 | \$43.75 |
| 9407 | \$ 0 12 24 | \$ 0.00 | \$21.00 | \$42.00 |

Club membership rosters are published free in September or October of each year but are available to club members now for 25c at meetings (CALL 1ST) or 50c thru the mail. =SK=

As of 7-13-93 there were 754 members.

RENEWED: (3yr)

KB6FH0-Ed, N60LE-Ivan, N6GZ-Bill, AA6WS-Don,

RENEWED: (2yr)

N6UWY-Lex, N6UWX-Katie, WB6CQA-Louis, KD6FKH-Don, KD6GMJ-Jeff, KUIY-Ted, KD6DKI-Lee, W6HTT-Schmidt, W6JRQ-Walt, KD6LUN-Cathleen, N6TUR-Leo, WA6UGG-Wesley, N6KVV-Dennis, KE6QV-Chuck, WB6IOV-Bob, WB6FMT-Jerry, KC6LRH-Jan, W6WPO-Bill,

RENEWED:

WBOBMY-Karl, KB2CDY-David, WA3IHV-Rob, WB4YQU-Sam, N5HTC-Chuck, WB6AKM-Howard, N6AMD-Ray, WA6BEJ-Ted, N6CKQ-Lou, N6COU-Bill, WA6DOC-Mark, WA6DYV-Jack, WA6ESG-Ed, W6FXL-A1, KB6GKE-Steve, KD6GLF-Jim, KA6GRG-Chuck, W6HLB-Joe, KD6HPQ-Bob, WA6HQM-Dave, WA6HYB-Dan, N6ICH-Tom, K6II-Ed, WA6IPF-Paul, AB6IU-Rich, KD6IUQ-James, NC6J-Bob, KD6JPN-Bob, KD6JPP-David, WA6JXE-Don, KD6JXM-Jon, KD6JX0-Frank, KD6KHL-David, N6KVO-Marvin, W6LCT-Larry, KD6LRA-Van, KD6MUL-Ruth, W6NBH-A1, W6OML-

Dick, N6PDZ-Fred, N6PEA-Mary, WA6PLX-Larry, K6PP-Gene, KJ6Q0-Jeff, KC6Q0J-Allen, N6QVW-Orlando, N6RBS-Ken, KK6RX-Sal, KE6SE-Chuck, KC6TAN-Greg, WB6TBA-Bob, WA6THC-Ray, W6THU-Floyd, K6UL-Mitch, N6UZN-Stutzman,

"The Fishing Hole"
at Oceanside Swap Meet
No 3. Row 14, Space 1&2

**Calling all
"Fishing Hams"**

**SAVE
20-33%**

**National
Brands at
Discount
Prices**

Full line of tackle items.

**We also have mail
order fishing tackle
at discount prices.
P.O.Box1020
Carlsbad, CA92018**

**W7HKI Larry
W7HKL Maxine**

**10% of all sales
to PARC members
goes to the club**

KD6VAN-Bob, KC6VDY-Greg, ND6W-Louis, N6WSW-Stewart, N6WEF-Frank, N6WEG-MaryLee, KD6WZ-Fred, KK6YB-Gary, KC6YSO-David, KC6YSP-Tony, KD6Z-Herb, KC6ZVG-Jay, N7AMR-Allen, W7LHC-Riggio, K7NA-Vince, N7USR-Greg, NN8P-Howard, W9A0X-Don, Parker(2),

THANKS to all those who renewed for more than one year allowing me

more time for several important projects.

NEW MEMBERS: (2yr)

Ed Moore(waiting), Constance Lutz(testing mode), KC6WMU-David, KD6GMK-Russ, KD60BG-David,

NEW MEMBERS:

KD6BF0-Rich, KI6CP-Steve, WA6GAH-George, KD6LPO-Art, W6MYV-Gordon, WA60DQ-Walt, KM6RF-Bart, KD6RSN-Herb, WA6UKL-Dick, KD6ULC-Jessica, KD6ULK-Herb, KD6VHI-Mike, KD6WQJ-Steve, N6YPC-Joe, K7DCG-Dennis, John Campbell, Chris Dominguez, Steve Harlan, Marvin Jones(waiting), Gerry Jones(waiting), Bing Milljour, Ian Thurston.

CHANGES: Ann O'Brien => KD6RF0, Dan O'Brien => KD6RFN

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

5 YEARS A G O G O

8-88: ..Chuck-KI6TG has started a computer help net for IBM compatibles ..Taco wagon worked well on Field Day ..Skip-K6RTD has asked to be relieved of his Giant Computer duties (membership data base) ..membership peaked at 368 this year ..Rich-N6KEW SK ..Paul-KB5MU gave talk on Digital Signal Processing ..Red-W6BLK SK ..Clint-W60FT and Eleanore-N6QJE were happy that their grandson Gordon passed his novice exam while visiting them.

- V E T E S T I N G -

(Rusty-AA60M 747-5872)

N.Co.FCC LICENSE EXAMS by PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs East) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted. VE info: call 465-Exam.

610 forms available: HRO, 5375 Kearney Villa Rd. or at club meetings.

JUNE TESTING: 19 candidates, 25

elements with 17 passes. Two no-shows.

GEN->ADV: Joe-KC60WA, Paul-KD6SHQ

NONE->TECH+: Tom Asfor, Melville Capps, Ramon Hernandez, Cindy Ludlow, Chris Bond, Bernard Milljour, & Chuck Morrison.

OTHER: Harris Mitchell(4A), Jim Ludlow (3B), Ramon Hernandez (2), Chuck Lacy (4B), & Constance Lutz (2).

EXAMINING JUNE TEAM: N6RUV, WA6HYC, KE6VX, AA6TR, KI6JM, AA6OM.

SPECIAL JULY TESTING: 19 candidates, 25 elements, & 18 passes.

NONE->NOVICE: Issac Dominguez & Chuck Rininger.

TECH->TECH+: Bob McNally

ELEMENT 2: Joyce Black, Eugene Chappie, Don Davis, Janet Gallo, Iona Seay, Barb Trapp, John Willis, John Campbell, Sydney Chavasse, Chris Dominguez, Glenn Hoover, Greg Spangler, Pete Uehling, & Judie Massie(not part of VE Session - certified by WB6R & WA6Y00).

SPECIAL EXAMINING JULY TEAM: WB6R, WA6Y00, & AA6OM. Looks like these three were quite busy.

JULY TESTING: 12 candidates, 27 elements with 23 passes.

GEN->ADV: Bill-KD6YJA.

TECH->ADV: Harris-KD6YJC.

NONE->TECH+: Craig Baumann & Bob Hamer.

NONE->TECH: John Kim, Shawn Lepine, Chuck Mitchell, Gordon Moog, Fred Smittle, & David Smith.

OTHER: Rob Fender (3B).

EXAMINING JULY TEAM: KB5MU, AA6UQ, KI6JM, AA6KY, W6YYV, & KE6VX.
73, Rusty-AA6OM, VE Team Leader

- N E T S -

THIS WEEK IN SAN DIEGO is every Sunday evening at 9pm on 146.73 and everyone is invited to listen to what is happening in the world of amateur radio in San Diego for the coming week. The net covers PARC club activities plus ALL clubs and radio organizations in San Diego County. PAUL-KC6JXY, one of the net controls, has arranged for ED-N6MCU

to broadcast the latest information from NEWSLINE which is produced weekly in Los Angeles for distribution to amateurs in the USA and throughout the world. NEWSLINE covers the latest FCC and amateur radio activities of interest to amateurs. We are looking for 3-4 more amateur radio stations who can conduct this net for us. Please contact STAN-W9FQN if you can help us with this new net. =SK=

The new RTTY net on 146.7 will meet Sunday evenings at 2030Hrs under the direction of CHARLES-N6TEP and crew. It is being suggested that the likelihood of making a contact during the week is better if you give a CQ on RTTY between 2030-2130Hrs. The repeater was originally set up for 30sec transmissions (2-3 lines) and requires RTTY + PL 107.2 but by the time this reaches you, it will have been changed to 5-8 minutes.

The reason for the PL was to allow stations or repeaters in LA that might hear your transmissions (146.100+PL) to reject them with a decoder. We are considering taking off the PL for the 8:30-9:30pm time slot. Please operate at low power since your rig could heat up with RTTY transmissions. (see CW below)

RTTY stations heard by N6TEP are: N6NZX, AB6LY, KD6FQW, N6ALA, KR6K, W6RUX, N6RTA, N6YMD, KA3KVI, W6QCA, WT2Y, and W6RUX. It is also possible to work the 146.7 RTTY repeater on Contractor's Point which uses no PL so use reduced power if you are out along the coast and don't want to get into their repeater.

Your editor is wondering if you RTTY types can leave messages for each other on your systems or operate a RTTY BBS. Years ago I used to use AUTO START to pick up messages during the day and on Packet it is now possible to use "mail boxes" to leave messages for each other. A friend of mine in Indiana used to operate an RTTY bulletin board on one of the local repeaters. =SK=

The CW practice net on Monday thru Friday requires that the net

control operate his 2m transceiver for long periods of time ..35-55 minutes. W9FQN places a large bag of ice cubes in a plastic bag wrapped in aluminum foil on top of his transceiver to keep it cool. A plastic sack (I use two) sometimes had holes burned in it allowing water to drip all over everything so an aluminum foil protector had to be added. =SK=

All SDCTN net controls should have received their new preamble which has been approved by PARC and JOE-N6RVO. Net controls for ALL NETS should now have their new preambles. =SK=

- LETTERS to the EDITOR -
Ur Ed & Board reserve the right to print letters and edit as needed.

(de Jack-KI6JM to Sam Kumukahi-KH6AFS/C1, POBox 1938, Hilo, HI 96721) ..it was a pleasure to work your DXpedition to Moka Oia on 15May93. I enclose my QSL card ..I was especially intrigued by the opportunity to work Moka Oia because I once had the good fortune to be acquainted with former King Kaumanua IV of The Kingdom of Moka Oia. It was many years ago at the Harvard Law School. His father, the old king, insisted that he have a legal education so that he could be a good ruler of Moka Oia.

Unfortunately, because of the phonetics of his name, some of the Harvard snobs gave him a rather offensive nickname, which I need not repeat here. They were disappointed when Sam, as his close friends called him, failed to take offense. In fact, he thought it was a great joke, and he laughed as only he could laugh, seemingly making the whole building shake. As you probably have heard, he was a huge man, six feet five inches tall, weighing well over 300 pounds.

After we left school, with World War II intervening, I lost track of Sam until I read several years later that his good nature had finally been his downfall. When he ascended to the throne, one of his first challenges was dealing with

the infamous Moka Ola pirates. After lengthy negotiations, he decided to accept the assurances of Cha Li, the chief of the pirates, that he would not molest the legitimate inhabitants of Moka Ola. However, Cha Li was not true to his word, continuing to prey on the good people of Moka Ola. It is generally believed that he was personally responsible for the mysterious death of King Kaumanua IV in the prime of his life.

After the death of King Kaumanua IV, the good people of Moka Ola gradually drifted away until there remained only the pirates, who used the Kingdom as their base of operations against mariners in the area. You were very fortunate to be able to conduct a DXpedition to Moka Ola. Only one had previously been attempted, I understand, back in the twilight days of the King. Although the DXpeditioners had the permission of King Kaumanua IV, they were routed by the pirates before they ever made a contact. I was amused by the people who asked you what "Charlie 1" meant. I realized, of course, that you were not saying "Charlie", but "Cha Li", with the "1" signifying that this was the first DXpedition authorized by Cha Li. Even with his blessing, you were fortunate to come away with your lives and fortunes intact. Cha Li is not a man to be trusted.

Noting that your first name is Samuel and that your last name has some similarity to that of the King, I cannot help wondering if you are in some way related --knowing the way that names, including my own, can change form over the generations. Whether that be true or not, please accept my very best 73 and aloha. (please feel free to use the historical informaton contained herein in any manner you deem appropriate. =SK=

(de N6TEP) PARC has installed a RTTY repeater at its transmitter site. Its purpose is to encourage the use of RTTY and to speed up message traffic during high-volume times such as holidays and during military actions such as was

experienced during Desert Storm. We almost routinely ran over the allotted net time of one hour into other scheduled nets. RTTY, especially at 75-100 baud can transfer the average 25-word message in just a few seconds.

All amateurs who have RTTY capability are cordially invited to join in the nightly traffic net at 2000 hrs on 146.73 and handle messages by picking them up or sending them on RTTY, using the new repeater on 146.7 which presently has a PL of 107.2Hz.

The 8:30pm RTTY net Sunday evening is just being established. Everyone interested in RTTY is encouraged to participate each evening between 2030 and 2130 hrs on 146.7.

Operators who have problems interfacing their radios with their computers using various software packages for RTTY can now ask questions on the new Thursday night COMPUTER HELP NET which started July 8th on 146.73 at 2100 Hrs. 73, N6TEP =SK=

(de Earl-K6CLU 28May93) ..please send 3 ham stamp pins ..going to give them to friends up here ..one will go to PARC charter member Bill Jago-K7MO ..always enjoy receiving the SCOPE ..my, how membership has grown ..especially from when I first joined in 1953.

..hope to see you all at a meeting when I'm visiting down south ..tell everyone who still remembers me I said hi ..am on 20m 14.274 with Don-W6NQZ in Vista on Sundays at 10am ..also on 40m checking into WCARS around noon each day ..I used to hear and say hi to Dennis (N6KI? -Ed) in SD ..haven't heard him for some time ..thanks, Stan and the very best "73" to you and the club members ..Earl Leak, K6CLU, 38 Riviera, Grants Pass, OR 97527. (Earl was president of PARC in 1959 -Ed) =SK=

(To ARS V63DJ de Joe-KC6QXU) Thank you for the QSO during the contest. You asked me what was 10-10 (club)? ..so I'll start at the beginning. In 1962 10m was threatened to be lost to amateurs

for lack of use. A S.Cal. AR Club came up with the idea of issuing a number to each of it's members with a challenge of seeing who could collect the most numbers. With the restriction that each nmber had to be collected on 10m ..since then it has become an international organization with now over 64,500 members ..growing about 2,500 members a year. 10-10 puts out a 32+ page news letter and has contests (WAS, WAC, OM&YL, etc) four times a year with many other awards. (applications can be obtained de Joe-KC6QXU at club meetings -Ed) =SK=

DAN-WA6HYB has sent several notes chastizing PARC for not having a wallet size membership card ..which PARC has been working on for the new club year ..but it has been a low priority project. Dan, facetiously, has suggested making a copy of your cancelled check as your membership card. (We used to have membership cards but we had no easy or cheap way of sending them out to old and new members. It has been suggested that we only hand them out to members who show up at meetings or request them with autopatch sheets and an SASE. What do you think? -Ed) =SK=

(Editor - a sample membership card was approved at the July Board Meeting and should be printed up sometime in August. They will only be handed out at club meetings or sent to you when requested with an SASE.)

(de Victor-KI6JM) ..many PARC Mewmembers are thinking about buying new cars this year. If your choice includes a Toyota, you may want to think again. A fellow ham at Toyota forwarded a letter regarding radios and Toyota's. It stated that any transceiver, 10 watts or more (CB, Amateur, Commercial 2-way or Cellular Phone) installed in most 1992/93 Toyota models would void the vehicle's warranty. Several amateurs using transceivers in 1992 Camry have had problems with the vehicle's computer "black box." The cost is over \$1,200 to fix and guess who pays? So, before you buy any new

PARC Membership Application

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to membership chairman at club meetings. We prefer checks to cash, it's safer and you have a record. Dues are \$12 a year which includes \$3 for the club newsletter, or \$21 for a family all at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman. Name, call and complete address are required. Telephone number is requested but may be unlisted in roster if you prefer. For notification of acceptance send SASE with application or the receipt of the next newsletter mailed the last week of each month will be your only notification.

car, especially a Toyota, check to see if you can install a 2-way radio. Or better yet maybe you can get by with a handheld. =SK=

Contributions to =NEWS= should be sent to your editor by the 20th of the month.

THE AMERICAN RADIO RELAY LEAGUE
IN ASSOCIATION WITH THE CONVAIR
AMATEUR RADIO CLUB AND THE AMATEUR
RADIO EMERGENCY SERVICE ARE PROUD TO
PRESENT THE 1993 HAM RADIO ROUND-UP
ON SUNDAY, AUGUST 29, 1993, at
Missile Park in Kearney Mesa.

Dwayne Eskridge, W6LKE, died in April. As an FBI agent in Honolulu Dec. 7, 1941, he was one of the first radio operators to announce the Japanese attack on Pearl Harbor. =SK=

The Fallbrook Amateur Radio Transmitting Society (FARTS) 10m SSB net meets on 28.340 + or - QRM at 0300Z (2000 Local). Net controls are Mon-Fri W6LKC, Sat-KD6AKT and Sun-WB0YCO. (Txn YCO) =SK=

After a week in Seoul, Korea, PAT-N6INN and RALPH-K6HAV (former SCOPE editor and other club positions) left Japan for L.A. and their new QTH at 666 North Columbus St, Salt Lake City, UT 84103. They intend on coming to Vista sometime soon on business. =SK=

The ARSENE AMATEUR RADIO SATELLITE was successfully launched May 12th. Main downlink 145.975 MHz. When final checkout is completed it will xmt AX.25 FM packet. AOS is 12hrs every two days or so. Apogee 36,000KM, perigee 17,000KM, & inclination 1deg.

```
#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#  
# SCOPE,USPS 076530, published monthly by #  
# the PALOMAR AMATEUR RADIO CLUB, INC #  
→# Post Office Box 73, Vista CA 92085-0073 #  
# Dues $12 for 12 months of membership & #  
# includes $3 for this newsletter. #  
# - - - - - #  
# POSTMASTER: Send changes to → SCOPE, #  
# P. O. Box 73, Vista, CA. 92085-0073 #  
#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#-#  
INSIDE: FD. Letters, Repeaters, Autopatches, etc.
```

No Patch on 147.13 until August 22, 1993.

NON MEMBER: we thought that
you might like to consider
joining PARC because we have
noted your -->>

```

__ interest in amateur radio
__ new/changed license status
__ request for information
__ using 146.730 W6NWG/R
__ using 147.075 W6NWG/R
__ using 147.130 KA6UAI/R
__ using 449.425 W6NWG/R
__ using 147.175 WA6IPD/R

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* * * * *
* 2nd Class *
* Postage   *
* paid at   *
* V I S T A *
* CA. 92085 *
* -9998     *
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| | Membership | License |
|---------------------------|------------|------------|
| <Palomar Mt> | Expires | Expiration |
| VSTA/MMSA/LMSA/Falb/PRCyy | mm | LXyy |

[illegible]

Ph.Codes-->XX
DELIVER XX
TO --->XX

DELIVER
TO —

To

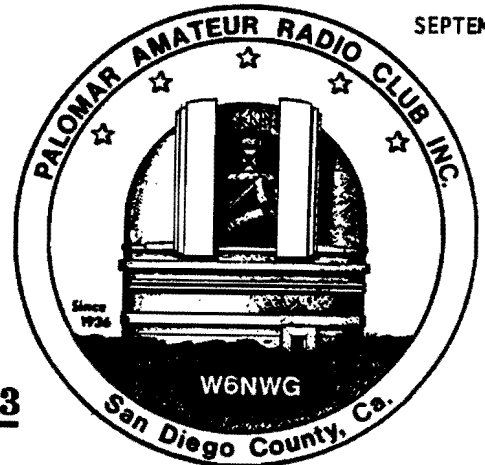
W6NWG W6NWG W6NWG W6NWG

Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073



 SEPTEMBER ***** 1993 ** 57 YEARS OLD
 ***** Volume XIX, Number 9
 ***** Published every month by PARC
 ***** An ARRL Special Service Club
 ***** WAS= 1 WAC= _____ DXCC= _____

 SEPTEMBER 1st Meeting (WEDNESDAY)
 Coffee 7:00pm and Meeting at 7:30 pm
 Carlsbad Safety Center, Palomar
 Airport road to Camino Real, East on
 Faraday 1/4 mile, left to Carlsbad
 Safety Center, Thomas B. pg. 14, F6.
 Talk-in 146.730, 147.075 and 147.130

PARC FREQUENCIES USED:

* = PATCHES on Palomar Mt. Repeaters
 Covering 2,000 sq. miles of SDCo
 ** = PATCH, local Vista / Fallbrook
 %% = W6NWG, PARC, trustee Ron-WI6B
 (107.2 Hz used for all PL's)

OPEN REPEATERS, CLOSED AUTOPATCHES

Load ur memories with the following
 PARC frequencies listed:

145.050 Packet, W6NWG / "PALMAR" %%
 146.175+, **PATCH, PLed, Art-WA6IPD
 Fallbrook and local area
 146.520s, ARRL National Simplex Freq
 146.535s, Palomar Amateur RC Simplex
 2m Simplex Emergency Portable Rpt.
 146.700-, RTTY, PLed, IN = OUT %%
 146.730-, (*PATCH, PL), Palomar.Mt.%%
 147.075+, *PATCH, PL, Palomar Mt. %%
 147.130+, *PATCH, PL), Erik-KA6UAI

Palomar Mountain
 224.900-, PL, Palomar Mt, 220 ClubSD
 WD6HFR, Palomar Mountain
 METROLINK, Packet link, 9600 baud %%
 446.000s, National Simplex Frequency
 449.425-, *PATCH, PL, Palomar Mt. %%

AUTOPATCH OUTLET CENTERS:

WB6FMT-VSTA; WV6Z-MMSA
 WA6IPD-FBRK; N6IZW-LMSA

***** C A L E N D A R *****
 Aug.29 Sun.SANDARC Ham Radio Roundup
 Aug.31 SANDRAnovice/technician Class
 Sep. 1 Wed. Palomar ARC Club Meeting
 Sep. 6 Palomar Mt. Fire Dept. BBQ
 11am to dusk, Rd S7 / E.Grade
 Sep. 9 Thursday PARC Board Meeting
 Sep.11 Saturday PARC VE Carlsbad SC
 Sep.11 Oceanside Ham Swap Meet, Rd76
 Oct. -----SET EXERCISES-----
 Oct. 9 Sweaters for homeless pickup
 Oct.17 Sunday PalomarARC Club Picnic
 Nov. 1 PARC General Class License
 Nov. ? Field Day 5A winner in QST ??

- NEXT CLUB MEETING -

Art McBride-KC6UQH, VP and pro-
 gram chairman, has announced that
 the next club meeting will be Dr.
 Woo Paik, KE6YC, from General
 Instrument Corporation talking on
 HIGH DEFINITION TELEVISION.

SHOW and TELL will feature
 whatever you bring. Talk to Art-
 KC6UQH before the meeting starts to
 reserve a time slot for your SHOW &
 TELL item(s).

W A N T to be a H A M ?

(or Dial-a-Ham)

If you or a friend are inter-
 ested in becoming an amateur radio
 operator and/or in joining PARC,
 please contact one of the ELMERS
 listed:

*** E L M E R S ***

CARDIFF, . Duane-WB6R, 753-4821
 CHULA VISTA, Steve-N6RUY, 422-4415
 ESCONDIDO *** Harry-WA6Y00, 743-4212
 ***** PALOMAR AMATEUR RC PRESIDENT
 La MESA, . Roger-N6UW, 697-6025
 LAKESIDE, . Mac-WB6GXR, 561-2211
 RAMONA, . Vern-AA6UU, 789-3070
 SAN DIEGO, . Dennis-N6KI, 271-6079
 \$AN MARCO\$ ** Ralph-KC6WAN, 727-7415
 ***** PARC MEMBER\$HIP CHAIRMAN
 VISTA, . . Jack-KI6JM, 598-0420

SAN MARCOS, Rusty-AA6OM, 747-5872
 (Head of PARC VE testing program)

Besides calling one of the
 above amateurs, prospective amateurs
 ONLY can call 1-800-32-NEW-HAM at
 the Amateur Radio Relay League
 headquarters 8AM-5PM EST M-F in
 Newington, CT. for more information
 on amateur radio.

- LAST CLUB MEETING -

Attendance was 104 members, 7
 guests, for a total attendance of
 111. PLEASE COME EARLY and help set
 up chairs.

Another excellent meeting with
 Kerry Banke, N6IZW sharing how he
 demonstrated amateur radio to a
 class of students by contacting the
 space shuttle.

SHOW and TELL: whatever u
 bring!

Dennis-N6KI again had a table
 with junk and hard to find items
 with 10% going to the club. The dumb
 terminals (25) and modems found by
 Gary-KK6YB and donated to the club
 went fast netting the club over
 \$500. Thanks Gary!

ART-KB6YH, & LARRY-AB6LY again
 supervised the drink and goodie
 table. Art brings the equipment and
 Larry and crew take care of the
 coffee and goodies. Members bringing
 in goodies were: AB6LY, KC6QBD,
 KM6PBY, N6TCB, W6GIC, KD6YKX, N6QVW
 & N6KI.

The goodies were great and you
 were rewarded with "1" participation
 ticket each (not per cookie ..or
 twinkie)!

BOARD of D I R E C T O R S

BOARD MEMBERS present:

Pres : Harry Hodges, WA6Y00
 VP : Art Mc Bride, KC6UQH
 Treas: Benton Caldwell, KK6LX

Members: Ralph Powell, KC6WAN
SCOPE: Stan Rohrer, W9FQN
RTech: John Kuivinen, WB6IQS
Control(pkt): Tim Low, N6ZUC
- - - - -

- also present -

Consti: Jack Hanthorn, KI6JM
Training: Bill Smith, KB6MCU
Acting Secretary:
Sybil Allbright, W6GIC
- - - - -

ABSENT from board meeting-
Sec : Mike Garrison, WH6CH
W6NW6 trustee: Ron Wilhelmy WI6B

Club members are invited to attend these meetings to observe the Board of directors in action ..or non-action ..es (and) get an activity pt for attending! Harry's brownies were great.

DISCUSSED: Equip \$2266, pre-pd \$8,172, Tot \$10,300, 93-94 budget; picnic in Oct; FD expenses; SCOPE costs; Post Office Audit and changes made; SW Div Con w/WA6Y00 taking W9FQN's place; yr end 758 members; sweaters; ham classes; TASMA; programs; repeater moves to new building; new stationary by Mike-WH6CH; new PARC brochures by Jo-KB6NMK and Terry-K3PXX.

APPROVED: \$200 .5" heliax, \$85 7/8" heliax, fittings \$125; \$80 controller; \$400 lightning protection, \$100 fittings; \$50 transparencies.

Please contact one of the board members for more info.

- PRESIDENTIAL QRM -

WA6Y00 2435 Our Country Rd
Escondido, 92029, 743-4212

Did you see the story in this morning's paper headlines: "Hams to Pay \$30 for FCC License"? Or last week: "Government to Auction Radio Frequencies to Highest Bidder"? You say you didn't see anything like that? Well, you're right, there were no such stories, but it was not for the government's lack of trying.

Oh yes, in the Administrations' proposed Omnibus Budget Reconciliation Act, there was a section requiring Amateur Radio Operators to pay for their licenses. It would cost us \$30 and that times the 600,000 Hams in the US of A would

amount to a tidy sum of money to, ha ha, help reduce the deficit. More likely the money would have gone to finance some congressman's bid for reelection by building a highway to nowhere in his home district.

In other legislation it was proposed to auction off, to the highest bidder, radio spectrum, now the property of the military which the military is releasing during the drawdown. Other frequencies are being released by other government agencies. Now, this proposal sounds good on its face. Why not collect millions (maybe billions) for something that we had been giving away free? Well, what the lawmakers didn't realize (or didn't care) is that much of this spectrum is shared by Hams! That means, that if the proposed legislation became law, Hams would have lost, perhaps forever, a lot of spectrum.

Why didn't this happen? Was it because the folks in our nation's capitol suddenly got good sense! Not hardly! It was because lawyers from the American Radio Relay League (ARRL) walked the halls of Congress and the Senate, talking to our legislators and their staffs, pointing out the good Hams do through public service, especially during disasters. They also pointed out that these millions of hours of public service is voluntary and doesn't cost the taxpayers a dime. By intensive lobbying the proposals were scrapped! Whew! Now we can all relax, right? Again, not hardly. These proposals will crop up again and again and the ARRL will go to bat for ALL of us.

What are you doing to see that these headlines do not become reality? What you should be doing is writing your congressman and senators explaining about Amateur Radio and the volunteer services we provide. And what else can you do? JOIN THE AMERICAN RADIO RELAY LEAGUE (ARRL)! Representing us in congress has a substantial cost and if you are not a member of ARRL you are getting a free ride. If you join ARRL through PARC, the club realizes \$5.00. If you renew your membership,

the club realizes \$2.00. See any of the Club officers for an application form. Join the ARRL Today! Help save Amateur Radio.

73, Harry Hodges, WA6Y00

- R E C O G N I T I O N -

Garry-KK6YB for spotting some company equipment that was going to be thrown out. PARC via Garry, Dennis-N6KI, Dave-KC6VEC, and Art-KC6UQH was able to realize about \$500 from the sale of some of the computer equipment: terminal units, modems, etc.

DICK-KC6QBD for several disks of A SUPER MORSE CODE PROGRAM for the IBM computer. =SK=

Eugene Zaluskey-K6IE's (SK) family for the donation of his equipment: SWAN-270 Cygnet, power supply, trap vertical, low pass filter, and CW keys. Eugene held an advanced class license and lived in San Marcos. He used to be a CW radio operator on salmon runs to Alaska starting his radio career at the tender age of 17. He must have sensed the end was near since he took down his last antenna at the age of 70 last year which was mounted on the roof. Tnx to Al Goepfenger-W6FXL for sending us a 1975 QSL card sent by Gene to W6VKT (member of a net Gene belonged to) along with a photo of Gene's shack. All items will be placed on display at the repeater site on Palomar Mountain. =SK= (K6IE is not N6IE - Ed)

JOE CRAIG-W6HLB for a large number of Field Day pictures and slides which were taken in the 50's and 60's. Wish some of you old timers would identify more of the OT hams in the pictures for us.

Jo-KB6NMK and Terry-K3PXX for the new club brochures. Jo did the computer design and Terry and the birds did the printing. The brochure really looks great.

- NEWSLETTER HELPERS -

for July 1993 SCOPE(12:30pm)
W6OLQ, John Tentor, billing
KI6JM, Jack Hanthorn, folding
QTH and refreshments
KC6WAN, Ralph Powell, printing

of labels, Giant Computer KC6QBD, Dick Gearhart, folding W6TFB, Lloyd Hunt, folding KB6YHZ, Art Nye, folding KB6YHY, Anita Nye, labels Assoc. Bob McNally, folding WA6Y00, Harry Hodges, Staples W9FQN, Stan Rohrer, Editor, PARC passed their Post Office audit! THANKS TO RALPH-KC6WAN.

- EDITOR -

Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
749-0276, 11:30am or 9:45pm

If you left a message on my answering machine during the past month and I have not contacted you yet, please give me another call since my answering machine runneth over into the bit bucket.

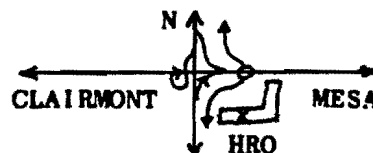
Saturday, September 4th the Palomar Mountain Volunteer Fire Dept. (PMVFD) is holding their deep pit beef barbecue from 11am till dusk at the intersection of S7 and crestline road on Palomar Mountain. Donations are \$7 for adults and \$3 for children.

Enjoy the tree-studded park setting, station house, farmers market, arts and craft booths, drawing antique car show, western music, auction and good food. The grand prize will be a seven foot spa and many other prizes will be given throughout the day. The purpose of the event is to raise funds to erect a new building to house the fire trucks and equipment prior to this winter.

This is an excellent opportunity for club members to do some good public relations on the mountain for amateur radio. Make sure you have your PARC badge on and wear your PARC cap. Be friendly to the natives ...who sometimes don't like all of those antennas spread out all over the mountain top. You might mention that we provided communications for Palomar Mountain fire crews and locals during the eleven days that the mountain burned in October of 1987. We had the only amateur radio repeater repeaters on the air during the entire fire (there was no electricity on the mountain for days). All AC, telephones, and almost all commercial repeaters were not available.



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5375 KEARNY VILLA ROAD, SAN DIEGO

If there is another fire on Palomar Mountain like the 11 day fire of '78, we certainly could use their help ...and we need their goodwill. One of their members, Jim-KC6PAS, is a club member and also a member of PMVFD. There are approximately 350 fulltime residents

on Palomar Mountain. Other club members who live on the mountain or work on it are Mike-AB6QT, Barbara-KD6ECD, Beth-KD6ECE, Dave-KD6EBY, John-K6QQ, and Diane-KC6PAR.

If there is any interest, we might be able to set you up with a visit to the repeater site.

- WORK PARTIES -

If you are on a work party, make sure that it is reported to the editor ASAP.

(7-25) JOHN-WB6IQS went to PM and inverted the RTTY tones.

(7-27) TERRY-K3PZZ (the Magic Man) printed up 2,250 copies of the 2nd edition of the club's blue PARC information folder.

(7-31) HARRY-WA6Y00, JERRY-N6TCB, JO-KB6NMK, JACK-KI6JM, BENTON-KK6LX, and RALPH-KC6WAN folded (2 folds) 2,250 PARC information folders in 2.5 hours.

(8-1) ART-KC6UQH worked on the 147.075 repeater to correct some minor problems and to track down an intermittent. He was assisted part of the afternoon by MIKE-AB6QT. There still appears to be a problem with the autopatch connection.

JOHN-WB6IQS assisted Art with some measurements concerning some desense problems and tried to correct the problem by switching the 146.73 repeater over to the left side of the tower and the 147.13 repeater over to the right side.

STAN-W9FQN assisted John in mounting the lightning "stripper" box to the side of the new building and in cutting a hole through the wall for the heliax (coax) to enter the building. Stan also mounted the new outdoor Motorola rack to its new cement foundation at the base of the tower. He also remounted the door locks which JERRY-WB6FMT was able to find keys for at a local Motorola shop. Stan also got ready the things needed for putting up the new emergency crankup pole which folds over and can be cranked to a height of 40 feet.

(8-8) ART-KC6UQH spent Saturday afternoon and early evening at the site working on the 147.075 repeater autopatch audio level going into the autopatch system. A few resistors were replaced and the circuit altered slightly resulting in more audio and more reliable operation.

Erik-KA6UAI worked on 147.13 which went off the air and finally decided to remove it from the mountain for more complete repairs. Everything was normal except for the finals of the transmitter not working.

- R E P E A T E R S -
CONTROL OPS FOR REPEATERS
and AUTOPATCHES:

WB6IQS/John/(A) W9FQN/Stan/(A)
WB6FMT/Jerry/(A) AB6LY/Larry/(A)
AB6QT/Mike/(A) KB5MU/Paul/(P)
N6ZUC/Tim/(P) WA6IPD/Art/(W)
KA6UAI/Erik/(K)

(A)=all repeaters except
WA6IPD, (P)=pkt, (K)=147.130,
(N)=W6NWG, and (W)=WA6IPD.

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**W7HKI Larry
W7HKL Maxine**

**10% of all sales
to PARC members
goes to the club**

This is an abbreviated list of Control Ops while we go through some equipment control changes.

Control operators very seldom shut down the repeaters other than for repairs being done at the site. The repeaters could be shut down for

some of the following reasons although control operators are reluctant to turn off the repeaters since they might be needed for an emergency call ..and it is difficult to find out without knowing whether the signal is still on the repeater:

violation of FCC Rules, ie.

---business, music

---improper language, etc

violation of PARC Standards

---SOUNDS like business

---discussions that might

invite jamming

---improper use of rpt

---holding nets without

without permission

improper Use of Autopatch

---SOUNDS like business

---avoiding phone charge

---improper subjects(s)

---making chit-chat calls

---talking too long

Don't be afraid to use the autopatch for a social call from your mobile or home station if it is a demonstration of amateur radio. Control operators sometimes make calls from their home stations to check on the autopatch system audio levels and access codes to see if there have been changes or problems in the system.

In the case of problem autopatches there is the possibility that nothing will be said to the amateur but the telephone number being called could be removed from the approved listing of phone numbers.

Control OPS are reluctant to sit in judgement of your calls but the club needs to be protected since the FCC is now assigning fines of up to \$10,000 for stations not complying with their rules. =SK=

MOVEMENT OF REPEATERS: 146.73, 147.075, 147.13 & 449.425. These repeaters will be moved in stages over to the new building with 147.075 being moved first. Moving the repeaters will not be easy since they are all connected to the autopatch system and when moved they will also require new feedlines & their antennas on the towers since the old lines are buried in the ground from the old building. The

move could take several months but each individual repeater should only be off the air for an afternoon while the move is taking place.

The Board approved the following schedule for moving the autopatch repeaters to the new building:

1st Wk, move 147.075, no autopatch
2nd Wk, move patch, connect to .075
disconnect patches .13/.73/.225
3rd Wk, move 449.425, connect patch
4th Wk, move 147.130, connect patch
5th Wk, move 146.730, connect patch

We would like to start the move September 5th but this work schedule could be put off by weeks if we do not receive and install various items which have been ordered for the move.

There will probably be work parties on Palomar Mt. each Sunday of the above weeks and all the repeaters could be temporarily off the air during late morning and early Sunday afternoon hours. If you have free time, we have lots of work that you could help us with while the moves are being made.

Moving means that we will be going from (4) autopatches to (3) autopatches the 1st wk. The 2nd week there will be (1), the 3rd week (2), the 4th week (3), and after that back to the normal (4) autopatches.
=SK=

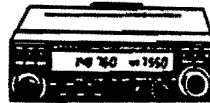
We are having problems with interference generated someplace on the tower allowing the 147.13 repeater to get into the 147.075 repeater. The problem is being looked at and will possibly be solved when we put up the new cable for the repeaters as they are being moved.
=SK=

There has been some talk of allowing Touch Tone calling during the day on the 146.7 RTTY repeater when not in use for RTTY. You would make your TT call, give your call, wait for a response, and then move to one of our other repeaters. In this way you would not bother anyone and you would have a relatively clear channel to make your call.

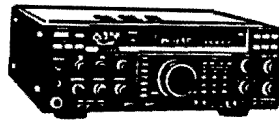
Anyone have any suggestions or comments about this idea? Contact W9FQN or any club officer.
=SK=

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At present the 145.522 repeater on Santiago Peak between us and LA is having its problems with jamming, foul language, etc. Please do not talk about =THEIR= problems on OUR repeaters. It only invites that type of activity on =OUR= repeaters. Why? Well, you are showing interest in what is going on or disgust ..and that is what the jammers crave. Talk about the "bad guys" and they are sure to show up! It took years to get rid of problems which one of the San Diego groups had on their repeater.
=SK=

- AUTOPATCHES -
de W9FQN

New members should request an AUTOPATCH INFORMATION SHEET describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY ..or see me at the next meeting.
=SK=

AUTOPATCH SHUT DOWN: During September and early Fall, PARC will be moving their autopatch system and the repeaters it is connected to over to the new building (see REPEATERS). Since the move could be over a period of months, we might have to shut down the autopatches on some of the repeaters.

a. the first repeater to be moved will be 147.075 and it will be the first one taken off of the Autopatch System (A.S.).

b. next the A.S. will be moved to the new building and connected to ONLY 147.075 and disconnected from .73, .13 & .425.

c. then, as time permits, we will move the other three autopatch repeaters one by one to the new building and connect them to the autopatch system in possibly the following order: 449.425, 146.73, and 147.13. The moves could take one weekend or several months depending upon the problems encountered and how fast we are able to get the work done.
=SK=

My appologies for several times turning off the autopatch system or blocking the system from 147.13. When there are problems or suspected problems during the LATE evening-morning hours, the patch(s) are turned off ..and sometimes do not get turned back on right away. I have started sticking a YELLOW tag on the kitchen door to remind me of what I have done during the night ..or early morning hours! At first we thought the patches would be turned off at 11pm and back on at 7am but we have had so few problems that they have been left on all night since there was a control operator on duty monitoring the calls. If it is playing around or SOUNDS like business, OFF THEY GO.
=SK=



- F O R E S A I L -

Yawl ketch on?

Phone or send ads to Editor's QTH, W9FQN, (see Editor) before the 20th of the month with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are \$40/page to \$5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line.

SELLING the 54' heavy duty crank up tower (heavier duty than a W-51). Looks like it never has been used ..even by a little old lady. Has two cranks on it and needs one more for turning them. Club members 1st at \$550: W9FQN for PARC 749 0276 VC.

(8-19) Operating package: TS-180S xcvr, PS-30 pwr sup, MC-50 desk mic \$500 080; SWR/pwr meter Siltronix FS-1000A \$35; GAP Ant \$150: Janet KC6GFY 727 4078 Vista.

(8-10) all mint orig box; Yaesu FT-990 +2kc SSB flt + MD-1C8 Mic \$1,800; Yaesu FT-2400H 2m xcvr \$285; MFJ-99C delux 3kw ant tuner \$225; Abe KC6UQA 432 8222.

(8-5) Kenwood PS940SAT w/Sure mic mint \$1300; SB220 Linear Amp 2kw PEP 10-80m 2ea 3-500Z's exc \$500; HM102 SWR meter \$40; SB610 monitor scope exc \$85; Johnson lowpass filter \$15: RfKrist W6KTE 941 3555 Vista.

(7-8) Commodore C-64 computer complete ex cond monitor 2-drives 2-printers 80col card mem-exp card software RTTY interface, inst books all \$200: Henry N6JWF 945 1247 Ocsd. GOOD WAY TO GET ON RTTY AND RUN CODE!

6-18) Drake w4 wattmeter .2-2kw scale \$55; Tentec squeez keyer \$55; battery charger D-A-C cost \$30 now \$9; mobile 3.5" cone spkr \$8; SCANNER R/S mobile + 110vac w/mt bracket w/out of area xtals UHF/VHF \$20; E Voice Mic 674 W/stand & cord \$25: Larry W7HKI 439 5855 Ocsd.

(6-16) Kenwood TS-130SE xcvr 80-10m + WARC, MC-50mic \$400: Marvin WB6PKK wkd 597 5388 or eve747 2223.

(6-9) ICOM 2SAT 5w 48mem micro HT with Touch Tone, encoder & soft case; HT 100 channel scanner;

FREE ADS FOR MEMBERS

Bearcat scanner; HT CB radio; mobile CB radio; all new or like new in original boxes: Chuck N5HTC 273 0406 LaJolla.

\$400/offer: Mike WB6CSH 707 964 3567 (moved to Fort Bragg, CA).

HIGHWAY ELECTRONICS: parts, (new/old), military. Ask 4NICK 967-7225 2 C if open (10-3pm) 305 WISCONSIN AV. OCEANSIDE CA

(2-25) LK-500ZC HF Amplifier \$800: Bob 941 2824 Vista.

TUBES for sale ..all kinds ..all sizes ..part of PARC tube yard: Dave WA6HQM 753-2605 Encinitas.

***** WANTED *****
"a few good men"

(7-17) Manual to be copied by me for Regency HR-2b FM xcvr: Stan W9FQN 749 0276 Villy Ctr.

(6-18) Manual for HeathKit HW-101 or copy. Need help for new ham club: Larry W7HKI 439 5855 Ocsd.

(5-?) Model 28 dual speed RTTY: Dee N6ELP 753 5647.

(5-20) To share a booth at the ARRL SW Division Convention in Sept. at Ventura CA: Duane AA6EE 789 3674 Ramona.

(5-6) Old Callbooks '50-'80; 2... mobile xcvr: Duane AA6EE 789 3674 Ramona.

(4-30) Yaesu 757 Computer Interface: Tom KC6ZRW 943-0079 Encinitas.

(4-5) Need 730 or 520: Hod Luhn W6UCN/7 406 763 4576 Montanna.

(3-25) Swan MARC II linear for parts: Duane WB6R 753 4821 Cardif.

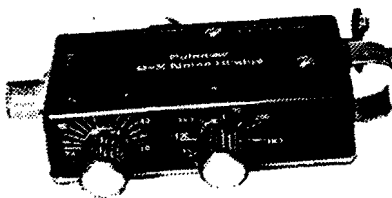
(3-25) ICOM pwr sup PS-35: Dennis N6KI 271 6079 Mira Mesa.

(3-1) Kenwood receiver R1000, R2000, Yaesu FR68800, Drake R-8 etc: Henry Palmer 744 6187 San Marcos.

S W A P M E E T S / N E T S

OCEANSIDE: Meets on the 2nd Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers \$13. If you are selling only a few items, you might want to double up with others to reduce your individual seller cost. You might also want to check with Harry-WA6Y00 for any discount coupons he might have.

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(5-6) Realistic DX-100 rcvr .535-30MHz best offer or \$45; Hammerlund HQ-110 rcvr \$10; CB Sonor Mod "E" xcvr \$5: Bob KC6VDX 758 9078 Vista.

(4-22) Collins KWM-2 w/pwr sup \$550: Lou ND6W 437 8351 Coronado.

(2-4) G6-144B 2m ant 6db unused orig box \$100; ICOM IC-24AT 2m/70cm HT, large BP-84S 1400maHr battery, BP-82 300maHr, wall charger,

- MEMBERSHIP -

Ralph-KC6WAN Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet should send W9FQN a self-addressed envelope (SASE) requesting same (see Editor's address). =SK=

Club membership rosters are published free in September or October of each year but are available to club members now for 25c at meetings (CALL 1ST) or 50c thru the mail. =SK=

As of 7-31-93 there were 758 members.

NEW/RENEWED:

- 5 years -
N6HV-Bob(75 now!)

- 4 years -
KD6HVN-Don.

- 3 years -


KD6YY-Bob, K6UV-Bernardini, WZ3P-Kane, W6BRF-Paul, KC6GFY-Janet, KK6OT-Barry, W6MVC-David, W2MRM-Steve, KD6MSQ-Stan.

- 2 years -

WB6TWY-Roy, W6EYP-Lincoln, KD6YG-Frank, K3DLX-Bob, KI6JM-Jack, WH6CH-Jim, K6Y6K-George, N6URW-John, KD6HTC-George, N8NHY-James, KC6UAW-Riz, N6ZNE-Terry, KD6LDI-John, KC6MWR-Luttman, W6FTV-Mickelson, W60YJ-Ed, N6WTE-James, KH6TL-Bill, N6UIA-Steve, K3FWT-Mark, KI6CP-Steve, KK6CD-Bruce, KM6DC-Earl, W60YC-Berand, KN6IP-Mike, KD6SFK-Tony, W6CN-Bob, KC6TYV-Art, KC6TYU-Gary, KB6YHY-, KB6YHZ-, KN6BN-Tom, WA6YCK-Bill, NH6EW-Mac, KB6CPZ-Frank, AH8AD-Doc, AA6UU-Vern, KD6DPJ-Pat, WM6T-Aubra, AA6UQ-Jack, W3ARU-Pete, KD6KIK-Don, N6OPD-Clyde, N6QMI-John, N6KVN-Mary.

- 1 year -

KD6VPP-JulieE(7yrs old), KC6WRK-ScottE(9yrs old), KC6WRI-JeanineE(11yrs old), W6TXK-RonE(old enough), KD6FEU-Chas, WB2DZH-David, N6UWW-Ellen, K60AUP-Greg, KD6BCU-Parviz, W6C6Y-Leroy, N6UFA-Kelly, W6IUG-R.O., N6SWZ-Bob, AH6CW-Philip, AB6QT-Mike, KD6ECD-Barbara, KD6ECE-Beth, W6RWV-Wayne, N6NZX-Carl, KB6NZA-Mary, N6WVP-Ray, KM6LF-Chuck, KC6UQA-Abel, KM6MJ-David, KC6STS-Karyl, KD6AYF-Karyl, WB6CSH-Hamann, W6INI-Art, Ruben-Twsejo, K6PUN-Doug,




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11885 Carmel Mountain Rd., Suite 905
San Diego. CA 92128

KD6VND-Bill, John-Prelgovisk, N6HHT-Cory, David-Kronmiller, N6NSU-Bill, WA6MHZ-Pat, K6JQE-Pete, KA5Q-Ken, KD6HUH-Ken, KD6IVD-Kelly, WA6MOS-Joe, W60DG-Aubrey, KK6NS-Phil, WB8BHE-Tom, KE6VX-Bob, KD6TLI-Bob, KD6DNE-Bob, W6HTT-Fred, KD6WDD-Glen, KC6WAN-Ralph, KC6RSF-Mike, WA6ZJC-John, KN6IQ-Larry, N6YRS-Jess, KM6WG-Jennifer, KC6WPF-Ginny, KD6ADJ-Kirk, Craig Baumann, WA6GYG-Bob, N60JZ-, N6HLY-Carl, David Henderson, KC6PAR-Diane, KC6PAS-Jim, WA1CSO-Joe, KD6WDS-Devin, KD6WDD-Mike, KD6WDP-Susan, W6YLA-Gerald,

KD6VWX-Rick, Julie White, KK6CA-Ray, NE60-Jim, Marvin & Gerry Jones, KA1VFF-Paquette, Doug Carlson, Mike Robinson, KC6VDX-Johnson, KD6BFN-Garia, WA6HYC-Watt, KD6DLW-Wiechman, N6KI-Dennis, Daryl Schweiger, KD6TVL-Adrian, KD6VLB-Brian, KM6PY-Bill, KC6UQA-Abel, WD6FZX-Ray, WB6THH-Bill, KB6NRL-Fred, N7TTO-James, KD6RFM-Dick, KB6NMK-Jo, N6UZH-xyz KB6NML-AJ Craig Bosworth, Carolyn Bosworth, KM6MJ-David, W6SKI-Ken, W4NYU-Howard, KD6LDK-Mark, W6KTE-R.F., KD6JXY-Paul, WA6KZN-Bob, KD6FQW-Ron, KD6LUO-Denny, KE6HI-Alma,

CHANGES: Kim & Sandy Davis, K06HUM & K06HTE, to 4622 El Penon Way, SD 92117-2404; John Betterton, KI6KM, POB218, San Marcos, 92079-0218; Carl N6NZX & Mary KB6NZA Burgess to 220 James St, Escondido 92027; Greg Pettit KC6TAN to 710 E. San Ysidro Blvd #1956, SY 92173-3123; Gayle Olson KM6WF to 17010 Surrey Hills Ct, Poway 92064; WT6W to 2400 Lake View Dr, Heber Springs, AR 72543; Mac McCarthy NH6EW to 2733 Thunder Dr, Ocsd 92056.

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

The club is selling PARC blue hats with the PARC logo on it for \$5 and we are selling the commemorative 5c cent stamp pins for \$5. See me at meetings. Sorry, but we are out of the PARC blue shirts. If there is enough interest, we will make up another order. =SK=

I would like to have you check your label after paying your dues to verify that your dues payment has been properly posted. Errors, if any, are more easily fixed sooner rather than later. Most members receive their SCOPE 5-6 days before the next club meeting. The SCOPE is mailed on a Tuesday afternoon, eight days before the club meeting.

BADGES: The following badges (with notice number) are ready for pickup at the next club meeting:
 N6COU=1 KD6EUP=10 KD6GEJ=2 K06KHS=10
 KM6LF=10 KD6RFQ=2 N6RMM=2 KC6TAY=1
 WB6THH=10 KC6UGQ=10 KM6ZH=2 WA3IHV=1
 WA6UKL=1 KD6YKX=1 KD6YJB=1 WA6MHZ=1
 KM6RF=1 N6HHT=1

PARC name badges are \$1ea - Contact John-W6OLQ at meetings or 672-3891 SD. Hurry! John might sell your call to someone else! We would hate to see someone else wearing YOUR badge. If anyone knows these members and can get their badges to them, please see John at the next meeting.

***** TOP 20 *****

- DXCC and W.A.S. -

CALL-WORKED-CONFIRM-STATES

| | | | | |
|----|--------|----------|-------|-------|
| 1 | WA6Y00 | 313 | 311Ph | - |
| 2 | WA6Y00 | 224 | 223CW | - |
| 3 | WA6HYB | 202 | 194CW | 50-50 |
| 4 | AA6EE | 200 | 180 | 50-50 |
| 5 | WB6NBU | 181**145 | | 50-50 |
| 6 | KI6JM | 193 | 136 | - |
| 7 | KC6QXU | | 79*** | 50-50 |
| 8 | AA6TR | 1* | CW | - |
| 9 | W9FQN | 1 | 1Ph | 1- |
| 20 | | | | - |

*= 1 watt ***= 10m only

**=120 w/AEA isoloop in attic

Please send in your WORKED-CONFIRMED and STATES to the editor for publication so we can see who the top 20 are in the club. Break them down by phone/CW. At present ur editor is in 9th place after 23 years of living in California.

There are presently 326 countries but about 70 have been "done away" with for one reason or another so it is possible that a person could have worked almost 400 countries over the years. Most ARRL lists at present show about 350 as the maximum credit given. -SK-

The following contest results were turned in:

Sept. CQ Worldwide DX SSSB Contest:
 163Q,43Zs, 68Coun. 42,065pts, AA6EE
 Oct. CQ Worldwide DX CW Contest:
 211Q,74Zs,106Coun. 93,420pts, AA6EE

1992 ARRL November Sweepstakes

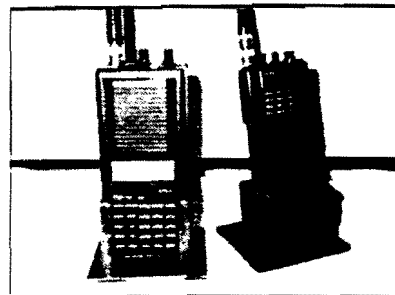
CW KA5Q-Ken, 2nd place single op,
 SD Section
 N6KI-Dennis, 8th place SD

SSB N6KI-Dennis, 1st place SD & 3rd
 in the USA multi-op
 Ops: KC6VEC, KI6IM, KM6XA, N6RUV,
 N6UZH, N6WDN, WB6NBU
 (had clean sweep of 77 sections)

REGISTERED U.S. PATENT ATTORNEY

723-0620

Loyal M. Hanson - W9WV
 Fallbrook, California



Handy Holder

Perfect for setting your hand held radio or hand held scanner in mobile or home use. Powder coated. Steel construction. Padded. Lifetime warranty. Custom applications available.

619-745-9952

KD6MKH
 Escondido, CA 92033

\$14.00 and up

1992 ARRL November Sweepstakes CW
 AA6EE, 9th place Single Op SD SSB
 AA6EE, 4th place Single Op SD

When you are in a contest please send ur editor ur scores ASAP after being published.

CHALLENGE COURT

By POPULAR DEMAND the following ladder board has been established

for club members:

RACKETBALL: 1(KI6TG), 2(WB9COY),
 3(N6KI), 4(KI6RF), 5(?).
 SAILING: 1(W6QCA), 2(AA6TR),
 3(?).

TABLE TENNIS: 1(W6OLQ-m), 2(W9FQN-m),
 3(KA6FPS-f), 4(N6QDB-f),
 5(N6YZZ-f), 6(?).

TENNIS(singles): 1(NU6L), 2(W9FQN),
 3(?).

TENNIS(doubles): 1(NU6L/W9FQN),
 2(?).

TENNIS(mixed dbls): 1(KA6FPS/W9FQN),
 2(?).

If you would like to get on the board or change your position, challenge for the position you want. Good luck.

If you have any suggestions for other ladders, contact your editor. The purpose of the ladder boards is to give our members a chance to meet each other at a non-radio setting.

5 YEARS A G O G O

9-88: ..Susan-N6QDB, Carl-N6NZX, and Stan-W9FQN installed the new battery-generator shed base ..program by Joe-WA6VNR on Samoa, Fiji, Tonga and Rarotonga ..FCC emasculates 220 MHz band ..congratulations to Charles Miele who went from no license to Tech with flying colors ..Bob-W6BXJ SK ..tnx to Larry-WA6UTQ for several hundred more ampere hours of repeater backup ..Bill-N6COU takes over Giant computer.

- V E T E S T I N G -

(Rusty-AA6OM 747-5872)

N.Co.FCC LICENSE EXAMS by PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs East) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted. VE info: call 465-Exam.

610 forms available: HR0, 5375 Kearney Villa Rd. or at club meetings.

AUGUST 14th TESTING:

ADV->EXTRA: Chris Allen (14 years old).

NOV->TECH: Chuck Rininger.

NONE->TECH: Thor Bergman, John Crossan, David Heim, Chuck Little-

field, Terrance Monney, Eric Snider, Nancy Vollmer, & Pete Vollmer.

OTHER: Lorie Merrell (e1.2).

EXAMINING JUNE TEAM: Paul-KB5MU, Sam-W6YYV, Bill-WA6HUC, Duane-WB6R, Jack-KI6JM, & Bob-KE6VX.

SPECIAL JULY TESTING:

Tested 16 for 20e1 with 15 passes.

NONE->NOVICE: John Willis.

NONE->TECH+: Joyce Black, Barbara Trapp, & Isaac Dominguez.

TECH->TECH: John Campbell Jr., Chris Dominguez, Iona Seay, Pete Uehling, Eugene Chappie, Glen Hoover, & Greg Spangler

TEST TEAM: not available.

73, Rusty-AA6OM, VE Team Leader

- F U N N I E S -

Contributions to this column are encouraged - W9FQN.

DENNIS-N6KI when talking to a "third party" contact was heard to say "I am sure you will like your license when you get it ..it will be just like the American Express Card ..you won't leave home without it."

An then there was the Ham who wanted to join the MARS net so he could talk to UFO's! (de KC6YSO)

..and from Bill-KB6MCU: DIPOLE- Very sick tadpole. OHM- Where a British ham lives. ..yes, I'm looking for a job - I need a vacation. VOLTS- What a politician needs to get elected.

- N E W S -

Contributions to =NEWS= should be sent to your editor by the 20th of the month.

The ARRL Educational Activities Department now has an 800 number for prospective new amateurs: (800) 32NEW HAM, or (800) 326-3942. Staff members will answer calls and questions from 8:00 am to 5:00pm ET, Monday-Friday. An answering machine will be on the line at other times. The number is EXCLUSIVELY for the use of PROSPECTIVE amateurs. (de HANDI-HAM) =SK=

The ARSENE AMATEUR RADIO SATELLITE was successfully launched May 12th. Main downlink 145.975 MHz. When final checkout is completed it

will xmt AX.25 FM packet. AOS is 12hrs every two days or so. Apogee 36,000KM, perigee 17,000KM, & inclination 1deg.

P3D Satellite Frequencies:

Downlink:

1. 10.451000 - 10.451500 GHz
2. 2400.500 - 2400.900 MHz
3. 436.000 - 436.400 MHz
4. 29.310 - 29.350 MHz

Uplink:

1. A: 1268.500 - 1269.000 MHz
B: 1269.000 - 1269.500 MHz
2. A: 435.200 - 435.700 MHz
B: 436.000 - 436.500 MHz
3. 145.800 - 145.975 MHz

**Need a new QTH
or
want to sell yours?**

**Call Clara Ziegler
943-8366
to be your agent for
north county coastal
properties**

**COLDWELL
BANKER**

Expect the best



Pete W3ARU's XYL



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!

Radio systems installation, repair and removal, and interference resolution.

**Edward Ross, N6GZI
542-1405**

**Antenna
Specialties**

All bands except for the 29MHz band are switched in a matrix and allow any configuration of operational modes. No 2m downlink freq because of QRM. (CROSSTALK, TRW ARC) =SK=

CELLULAR PHONES can be dangerous as reported by State Farm Ins. Co. It seems as though they lower your attentiveness by 20%. An intense conversation can cut your concentration by a third ..and the more intense your conversation gets, the more likely you are to make a mistake on the road. There should be a message here for mobile amateur radio operators ..and those also using the autopatch. BE CAREFUL! =SK=

BATTERY TIP: you can buy handy-talkie battery innards from TNR who advertises in World Radio. They sell just the wired cells or clone packs for ICOM, Kenwood, Yaesu, Alinco(?) HTs. To "crack" your pack, put it in the freezer until the glue freezes, then pop them apart. =SK=

DESTINATED: some hams do not like the word DESTINATED applied when "arrives" at his destination. It does not appear in the dictionary ..nor does the word "lid" as hams apply it to someone who doesn't know "how things are to be done." Other "coined" words which are now in the dictionary are computer, byte, kilobyte, etc. ..some day "destinated" will be in the dictionary also. (N7WMS de World Radio) =SK=

As an amateur radio operator you might find yourself in situations when you might want to DETAIN SOMEONE: thief, jammer, etc. NEVER PHYSICALLY DETAIN ANYONE YOU THINK IS A THIEF OR JAMMER. A counter charge by the person for unlawful detention may be more serious than your charge of theft or jamming. Instead, write down his license plate number or house number. Immediately contact the police for theft or a club official for jamming who will contact the proper local ARRL official who will work with the FCC. =SK=

If you (or someone you know -

Ed) needs a talking watch, there's a new one on the market that distinguishes itself in two ways. First, it talks you through the setting functions, so you don't have to depend on someone else to set your watch. Second, it's cheap ...under \$16. At that price you could afford to buy one for each wrist! The Round Talking Watch is available from Independent Living Aids, 27 East Mall, Plainview NY 11803, (800) 537-2118. (de HANDI-HAM) =SK=

FROM SCHOOL: 95% of all student class work is at level 1 (knowledge level). Knowledge level does not transfer well and 60% of all knowledge level instruction is forgotten in 24 hours, 85% in 3 months. If a student coaches or teaches another student, 90% is retained. The coach learns more than the coachee (i.e. an electronics teacher doesn't understand electronics well until he or she teaches it and has to answer the student's questions.) =SK=

The proposed subbands for automatic digital control are as follows:

28.120 - 28.189 MHz
24.925 - 24.930 MHz
21.090 - 21.100 MHz
18.105 - 18.110 MHz
14.095 - 14.0995 MHz
14.1005 - 14.112 MHz
10.140 - 10.150 MHz

Club members are reminded that our club president, Harry-WA6Y00, has appointed Bill Kane, WZ3P, as a Field Checker for high frequency Worked All States (WAS) award and for very high frequency WAS award, Ms. Dee Crumpton, N6ELP. =SK=

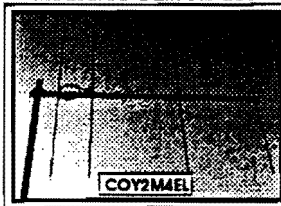
FLASH! PHIL-KC6TYT REPORTS HEARING BOTH SIDES OF OUR MEXICAN (LADY/MAN) CONVERSATION ON THE INPUT (146.13) NEAR MERIDIAN & CORONADO AND PALM AVE/I-5. SHE IS SO STRONG PHIL GETS HER EVEN DOWN ON 145.150! WHEN CHECKING 146.130 LOOK UP AND DOWN 5-30KC SINCE THEY MIGHT HAVE MOVED OFF OF 146.13 DURING THE PAST TWO WEEKS BUT STILL CLOSE ENOUGH TO KEY UP THE REPEATER. WE ARE GETTING A LOT OF "FALSING" WHICH COULD BE THEM JUST OFF FREQUENCY OF 146.13.

#SK#####SK#
- W B 6 E O T - #
Ver1 Thornsberry of #
Omaha, Arizona died on #
January 3, 1993. He will #
be missed by all who #
knew him in PARC. #
#SK#####SK#

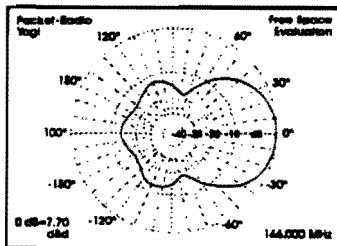


Two Meter Yagi Great for Packet Radio or FM

Measured Gain 7.5 dBd



H-Plane beamwidth 60 deg
Bandwidth 144.5-147.5 MHz
SWR < 1.7 at Band Edge
Impedance 50 ohm
Silver Plated Teflon SO-239
Maximum Power 500 Watts
Chemfilm Treatment On Brackets
Balanced Matching System
Two Part RTV Potting
Black Delrin Insulators



(619) 748-2286
Gene Swiech, WB9COY

Dave-WA6HQM, reminds us that the Heath Company no longer does repair work. They will offer verbal assistance only and will charge for that. Someone who worked for Heath is trying to start a repair business for those who can't make their own fixes: Greg Vance, 827 Shawnee Rd., Baroda, MI 49101, 616-422-1698. =SK=

By the year 2000, the median age in the USA will be 36. This is 6yrs older than any other time in the history of the USA. In 1950 there were 18 workers sharing the cost of each retiree and in 2035

there will only be 2 workers supporting. =SK=

THIS YEARS ROUND-UP (Aug 29th)
WILL FEATURE DISPLAYS BY MANY OF SAN DIEGO'S DISASTER AND EMERGENCY SERVICES AS WELL AS AMATEUR RADIO CLUBS AND SERVICES.

THROUGH THE GENEROSITY OF GENERAL DYNAMICS, CONVAIR DIVISION, THE ROUND-UP WILL BE HELD AT MISSILE PARK IN KEARNEY MESA.

ADMITTANCE IS OPEN TO ALL LICENSED AMATEUR RADIO OPERATORS AND THEIR GUESTS. (de Richard Medhurst-KD6BF0, Public Information Coordinator San Diego Sec. ARRL 619-560-6109) =SK=

PARC received a letter from Lt. Don Heid, 235 W. Brook St., Barrigada, Guam 96913 requesting an HF phone patch or relay traffic to San Diego. He is a Navy C-2 pilot with a high powered radio in the C-2. (not sure about the legality of this since he gave no call sign -Ed) =SK=

WORLD RADIO MAGAZINE: \$14/yr, mail to Worldradio, 520 Clavados, Sacramento, CA 95815. The magazine uses newspaper style type and print and covers news and information about amateur radio subjects. Great general purpose magazine. See your editor for a "look see" at the next club meeting. (from time to time we quote some of their articles or publish some of their humor -Ed)

The North County YL (young ladies) Club meets every other month at members homes. Meetings are usually held on the fourth Saturday of the month at 11:30 A.M. A potluck luncheon is shared by members and any OM who cares to attend. The OM have their own gathering and fellowship while the ladies have a short business meeting. For information on the next meeting please contact Dee-N6ELP at 753-5647 or Marguerite-W6LND at 492-9512. =SK=

Dee-N6ELP (753-5647) is looking for four hammy hams (OMs) to play parts in the Wouff Hong initiation for the 1994 South West Division conference. This is the last weekend in August. =SK=

Nash-W6HCD and the Flying Samaritans (Samaritanos del Aire)

are looking for helpers to help out at the El Testerazo medical-dental clinic and the Tecate Eye Clinic. They can use medical doctors & technicians, Spanish speakers, runners, and secretaries. If you can help contact Nash at 728-3574. They also can use old eye glasses at the Tecate Eye Clinic. The next clinics are September 11th, and October 9th. These are "drive to" clinics in contrast to the Rancho Rosarito which is a two day "Fly-to" clinic. =SK=

L.A. WATCHES & WAITS: two new faults are found beneath the metro area. The odds of a major quake hitting L.A. in the next 30 years are steep(60%). =SK=

LARRY-WA6UTQ sent us a copy of the Hualapai Amateur Radio Club newsletter from Kingman, AZ, in which there was a copy of a letter which Larry sent to them about our Oceanside Swap Meets plus an invitation to use our repeaters when in the San Diego area.

KINGMAN CLUB

146.760- wide coverage

146.610- Lake Havasu

144.570+ Bullhead

(Tnx Larry, I like to see other newsletters and additional publicity for PARC -Ed)

Al-N6GNB sends along the following net schedule for NARFE which is the National Association of Retired Federal Employees:

NET East Center West Pacif Nationl
FREQ 7.244-----> 14.240
TIME 1700Z 1800Z 1900Z 2000Z 2100EDT
DAY Wed----->
NCS K3EC W69X _____ N3IEH
Everyone is welcome. =SK=

T E C H N I C A L

Ur Editor will accept items
submitted by the membership

(de W9FQN) I recently installed a battery in my tent-trailer so that when I go camping I will have about 80Ahr of 12vdc for amateur radio operation with my VHF/UHF HT or with my HF Yaesu-757 rig. Mounting batteries in a camper of this type many times is disastrous since they are installed and forgotten until you go camping and then find that

their original charge has dissipated during storage and are useless or destroyed.

At one of the recent swap meets in Oceanside (2nd Sat) I noted a large number of solar cells (near the Larry's PARC booth) selling for \$2 each and rated at 300ma. I mounted four of them on a sheet of plywood and obtained an open circuit voltage of 15.27v but charging into 12.5v batteries they only produced 200ma which makes me think that I should put five of them in series.

The solar cells are not meant to really charge the batteries but only to keep them topped off when not in use although they do add around two watts of power or about 2Ahr per day with sunshine. At that rate it would take 40days (80Ahr/2Ahr/day) to charge them from complete discharge.

These cells would probably do a great job of charging 7.2v or 12v HT nicads for those who like to hike and take along their HTs. I will bring the panel to the next club meeting. =SK=

F C C U P D A T E

FCC licenses soon should take only 10 days to process rather than the present 6 weeks. An FCC BBS might take as little as one or two days! =SK=

All Novice exams from now on are to be given by the VE Testing teams in San Diego, Co. =SK=

The FCC suspends semi-annual tests for COMMERCIAL radio operator licenses: they send you a copy of the exam and have you take the test in front of another commercial radio operator with equal or higher class license. FCC93-149 =SK=

\$2000 fine to non-licensed man for allegedly causing interference to a 2-meter repeater. =SK=

Florida woman fined for unlicensed 2m operation: \$2,000. NH6UC fine for allegedly operating on 145.53MHz: \$2,000. Two others fine \$2,000 each for "Out-of band" CB operations. =SK=

SD.Co. AMATEUR sentenced for jamming a police channel. Eyman-KC6TYR, an amateur Technician class

licensee, was sentenced to three years of supervised probation and 250 hours of community service for violating federal statutes in jamming a SDPD tactical operations radio channel. Eyman must deprogram and demodify all his amateur radio equipment to remove all public safety frequencies. (de FCC & ARRL letters) =SK=

Club members are reminded that they should refrain from asking the FCC to rule on questions that they might have: interference, what is legal, etc. These questions should be put to the ARRL for answers. History has shown that asking the FCC to rule on something could be disastrous for the amateurs. It is best to get the opinion of the legal staff of the ARRL first. =SK=

License applications can be obtained from the charming Public Affairs officer, June Butler, FCC Field Ops Bureau, 4542 Ruffner Suite 370, SD CA 92111-2216. Ph 467-0549 ..or from Jo-KB6NMK or Stan-W9FQN at club meetings. =SK=

SWAP NETS: Amateurs are permitted to participate in selling their equipment over the air without fear of being cited by the FCC for business communications. Under Part 97 (rewrite) "Communications to inform other amateur operators of the availability of apparatus normally used in an amateur station are not considered business communications." (97.219(c)).

The asking price may be mentioned, "but no subsequent negotiations or bartering may take place. Operators may exchange addresses or telephone numbers and finish negotiations using other forms of communications other than amateur frequencies. =SK=

BROADCASTING: Amateurs may convey news information 1) if the event is unforeseen; 2) the news information is directly related to the event; 3) the event involves the safety of human life or the immediate protection of property; and 4) the news information cannot be transmitted by any means other than Amateur Radio because normal communication systems have been

PARC Membership Application

| | |
|--|--|
| AMATEUR CALL | |
| CLUB MEMBERSHIP? <input type="checkbox"/> NEW <input type="checkbox"/> RENEW | |
| ARRL MEMBER? <input type="checkbox"/> YES <input type="checkbox"/> NO | |
| LAST NAME | |
| FIRST NAME | |
| STREET ADDRESS | |
| CITY | |
| STATE ZIP | |
| HOME PHONE | |
| WORK OR OTHER PHONE | |
| HAM LICENSE EXPIRES | |
| FAMILY MEMBERSHIP (List other calls and names) | |
| CLASS OF LICENSE | |

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to membership chairman at club meetings. We prefer checks to cash, it's safer and you have a record. Dues are \$12 a year which includes \$3 for the Scope, or \$21 for a family all at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman.

Name, call and complete address are required. Telephone number is requested but may be unlisted in roster if you prefer.

For notification of acceptance send SASE with application or the receipt of the next newsletter mailed the last week of each month will be your only notification.

Escondido RACES Thanks

Tim Low N6ZUC our new Escondido Assistant RACES Station Manager is working very hard to put together a packet station at the Escondido Police Station. So far he has obtained donations of a computer, a hard drive, a keyboard and a TNC. We still need a monochrome monitor and a small printer if anyone has either laying around that they could donate please call me or Tim. Thank you Dave, KC6VEC for the computer; Sybil, W6GIC for the keyboard and hard drive; and PARC for the TNC.

Jo Ashley, KB6NMK
Escondido RACES Station Manager

disrupted or because there are not other communication systems available at the place where the information is originated. (97.219(f)). =5K=

SWEATER SATURDAY: Jointly
sponsored by SDG&E, Vons & KGTV. Goal is to collect thousands of sweaters and sweatshirts in a single day -October 9th- and make them available to people who really need them. BRING YOUR OLD SWEATERS TO THE WEDNESDAY MEETING!

PARC wants to hear your call sign on your first transmission, every 10 minutes, and on your last transmission. We want to hear it at the beginning of an autopatch BEFORE the repeater code and at the end of the autopatch BEFORE turning off the autopatch with a "#". =SK=

FCC bans cellular telephone
scanners 824-849 and 869-984 MHz.
=SK=

ARRL is requesting the FCC to re-open CLUB CALL SIGNS requests. Its great we have been able to keep W6NWG throughout the years. =SK=

[illegible]

NON MEMBER: we thought that
you might like to consider
joining PARC because we have
noted your -->>

interest in amateur radio
new/changed license status
request for information

$$\begin{array}{r} \text{Using: } 146.730 \\ \underline{147.130} \end{array} \quad \begin{array}{r} 147.075 \\ \underline{449.425} \end{array}$$

```
* * * * *
* 2nd Class *
* Postage   *
* paid at   *
* V I S T A *
* CA. 92085 *
* -9998     *
* * * * *
```

NOTICES:

NOTICES:
THE 147.130 REPEATER IS OFF THE
MOUNTAIN FOR REPAIRS TO ITS FINAL
TRANSISTORS. HOPE TO HAVE IT BACK
UP OPERATING SOON ON PM.
Ph.Co



Ph. Codes-->XX
DELIVER XX
TO ---->XX



<Palomar Mt>

VSTA/MMSA/LMSA/Fa1b/PRCvvmm

Membership

Expires

License

Expiration

LXvymmm

[illegible]

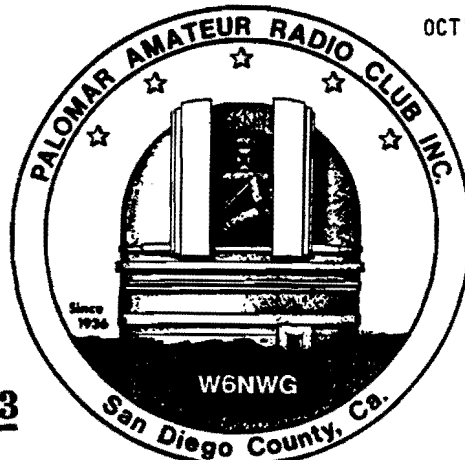
W6NWG W6NWG W6NWG W6NWG

Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073



 OCTOBER ***** 1993 ** 57 YEARS OLD
 ***** Volume XIX, Nunber 10
 ***** Published every month by PARC
 ***** An ARRL Special Service Club

 OCTOBER 6th Meeting (WEDNESDAY)
 Coffee 7:00pm and Meeting at 7:30 pm
 Carlsbad Safety Center, Palomar
 Airport road to Camino Real, East on
 Faraday 1/4 mile, left to Carlsbad
 Safety Center, Thomas Bro. pg.14,F6.
 Talk-in 146.73*, 147.075 and 147.130

OCTOBER ***** 1993 ** 57 YEARS OLD
 ***** Volume XIX, Nunber 10
 ***** Published every month by PARC
 ***** An ARRL Special Service Club

 OCTOBER 6th Meeting (WEDNESDAY)
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 Airport road to Camino Real, East on
 Faraday 1/4 mile, left to Carlsbad
 Safety Center, Thomas Bro. pg.14,F6.
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OPEN REPEATERS / CLOSED AUTOPATCHES

PARC FREQUENCIES USED:

145.050 Packet, W6NWG / "PALMAR" %
 146.175+, **PATCH, PLed, Art-WA6IPD
 Fallbrook and local area
 146.520s, ARRL National Simplex Freq
 146.535s, Palomar Amateur RC Simplex
 2m Simplex Emergency Portable Rpt.
 146.700-, RTTY, PLed, IN = OUT %
 146.730-, *PATCH-PLed, Palomar.Mt.%
 147.075+, *PATCH, PL, Palomar Mt.%
 147.130+, *PATCH, PL, Palomar Mt.%
 224.900-, PL, Palomar Mt, 220 ClubSD
 WD6HFR, Palomar Mountain
 METROLINK, Packet link, 9600 baud %
 446.000s, National Simplex Frequency
 449.425-, *PATCH, PL, Palomar Mt. %

AUTOPATCH OUTLET CENTERS:

WB6FMT-VSTA; WV6Z-MMSA

WA6IPD-FBRK; N6IZW-LMSA

* = PATCHES on Palomar Mt. Repeaters
 Covering 2,000 sq. miles of SDCo
 ** = PATCH, local Vista / Fallbrook
 % = W6NWG, PARC, trustee Ron-WI6B
 (107.2 Hz used for all PL's)

*****E A L E N D A R *****
 Oct. 3 Sun. MS 150 Bike Ride 146.730
 Oct. 6 Wed. Palomar ARC Club Meeting
 Oct. 9 Saturday PARC VE Carlsbad SC
 Oct. 9 Oceanside Ham Swap Meet, Rd76
 Oct. 9 Sweaters for homeless pickup

Oct.14 Thur. PARC 7pm Board Meeting
 Oct.16 Sat. SD County SET EXERCISES
 Oct.17 Sunday PalomarARC Club Picnic
 Oct.22 DEADLINE FOR SCOPE ARTICLES
 Oct.26 SCOPE placed in mail at Vista
 Nov. 1 PARC General License Class
 Nov.?? Field Day 5A winner in QST ??
 Nov.14 Sun.FD Pizza Bash for FD crew

- NEXT CLUB MEETING -

Art McBride-KC6UQH, VP and pro-
 gram chairman, has announced that
 the next club meeting will be the
 club's ANNUAL CLUB AUCTION (see
AUCTION).

There will be no SHOW and TELL
 nor will there be any business
 meeting!

W A N T to be a H A M ? (or Dial-a-Ham)

If you or a friend are inter-
 ested in becoming an amateur radio
 operator and/or in joining PARC,
 please contact one of the ELMERS
 listed:

*** E L M E R S ***

CARDIFF, . Duane-WB6R, 753-4821
 CHULA VISTA, Steve-N6RUV, 422-4415
 ESCONDIDO *** Harry-WA6Y00, 743-4212
 ***** PALOMAR AMATEUR RC PRESIDENT
 La MESA, . Roger-N6UUW, 697-6025
 LAKESIDE, . Mac-WB6GXR, 561-2211
 RAMONA, . Vern-AA6UU, 789-3070
 SAN DIEGO, . Dennis-N6KI, 271-6079
 \$AN MARCO\$ ** Ralph-KC6WAN, 727-7415
 ***** PARC MEMBER\$HIP CHAIRMAN
 VISTA, . . . Jack-KI6JM, 598-0420
 SAN MARCOS, Rusty-AA6OM, 747-5872
 (Head of PARC VE testing program)

Besides calling one of the
 above amateurs, prospective amateurs
 ONLY can call 1-800-32-NEW-HAM at
 the Amateur Radio Relay League
 headquarters 8AM-5PM EST M-F in
 Newington, CT. for more information
 on amateur radio.

- LAST CLUB MEETING -

Attendance was 117 members, 14
 guests, for a total attendance of
 131. PLEASE COME EARLY and help set
 up chairs.

Another excellent meeting with
 Dr. Woo Paik, KE6YC, from General
 Instrument Corporation talking on
 High Definition Television.

SHOW and TELL: Stan-W9FQN with
 small solar panel and PARC repeater
 lightning protectors.

Dennis-N6KI again had a table
 with junk and hard to find items
 with 10% going to the club.

Jack-KI6JM supervised the drink
 and goodie table with members
 bringing goodies: N6TCB, KC6QBD,
 John Crossman, K6YGK, KM6PY, N6ISC,
 KD6YKX, W6GIC & KD6YJB. (I'm not
 sure we should trust Jack at the
 goodie table without supervision -
 Ed)

The goodies were great and you
 were rewarded with "1" participation
 ticket each (not per cookie ..or
 twinkie)!

BOARD of D I R E C T O R S

BOARD MEMBERS present:

President: Harry Hodges, WA6Y00
 VP-president: Art Mc Bride, KC6UQH
 Secretary:(acting)Nash WilliamsW6HCD
 Treasurer: Benton Caldwell, KK6LX
 SCOPE/ETC: Stan Rohrer, W9FQN
 RTechnical: John Kuivinen, WB6IQS
 Control(packet): Tim Low, N6ZUC

- also present -

Constitution: Jack Hanthorn, KI6JM
 Training/FD: Bill Smith, KB6MCU
 OTHERS: Sybil-W6GIC, Ken-N6ALA

ABSENT from board meeting-

W6NWG Trustee: Ron Wilhelmy, WI6B
 Membership: Ralph Powell, KC6WAN

Club members are invited to attend these meetings to observe the Board of directors in action ..or non-action ..es (and) get an activity pt for attending! Harry's brownies were great.

DISCUSSED: ARRL SW DIV meddling in SDCo; nominations; Ocsd swap meet; sweaters; TASMA meeting; etc.

APPROVED: \$75 pass cavity; by-laws amended (see NEWS); \$40 450 xtal; permission for ARRL complaint letter by WA6Y00; nominating committee; \$250 picnic prizes; etc.

Please contact one of the board members for more info.

- PRESIDENTIAL QRM -

WA6Y00 2435 Our Country Rd
Escondido, 92029, 743-4212

Over the weekend of September 17-19, my wife and I attended the ARRL Southwestern Division Convention which was held in Ventura, about a three hour drive from San Diego. It was put on by the Santa Barbara Section and was an outstanding affair. Conventions of this sort are created by the voluntary efforts of members of the Amateur Radio community for their fellow hams. Profits, if any, go to finance club projects such as VE programs, antennas for hospitals, creation of radio communication vans for use in disasters.

There are seminars to attend which are educational and entertaining where ideas about our service are freely exchanged. An evening banquet featured a program on NASA's search for extraterrestrial intelligence. The speaker was Dr. D. Kent Cullers, WA6TWX, a Mathematician at NASA Ames Research Center. Absolutely fascinating!

For the DXers in the crowd, there was the Sunday morning DX breakfast at which the attendees were entertained by Art Goddard, W6XD, a well known DXer and Contester who gave a slide supported talk on last year's CEOY contest operation from Easter Island.

And last but not least was the Exhibition Hall and Flea Market where you could drool over the latest Gee Whiz Bangs with all the

assorted whistles and bells and bargain for the latest in boat anchors. There was really something there for everyone!

However, one thing was lacking! I could count on my fingers the number of familiar faces I saw from San Diego. These Santa Barbara folks worked their fannies off to put on a good show and of the 7,000 plus amateurs in San Diego/ Imperial Counties, less than a dozen showed up!

Here was a chance to look, learn, relax, be entertained, walk on the beach, visit the local historical sights, dump the kids off at grandmas and have a mini-honeymoon, buy a new gadget, whatever. And where was everyone?? Who knows, but if you weren't there, you missed a great weekend!

73, Harry Hodges, WA6Y00

- ELECTIONS -

The club's 1994 election of officers and board members will be held December 1st, 1993. The nominating committee consists this year of:

*Dennis Vernacchia, N6KI, 271-6079
Benton Caldwell, KK6LX, 729-5161
Ron Miely, KM6MW, 753-9343
Mike Doyle, AB6QT, 742-1573
* Acting Chairman

Your officers and board members for the 1993 year have been:

| Position | Call | Years** | Name |
|----------|-----------|---------|-----------------|
| Pres. | - WA6Y00, | 2nd | Harry Hodges |
| VP | - KC6UQH, | 2nd | Art McBride |
| Sec. | - WH6CH, | 1st* | Mike Garrison |
| Treas.- | KK6LX, | 4th* | Benton Caldwell |

Directors Elected(2):

| | | |
|--------|--------|--------------|
| WI6B, | 1st*** | Ron Wilhelmy |
| N6ZUC, | 1st | Tim Low |

Directors appointed by Pres.(3):

| | | |
|---------|------|---------------|
| WB6IQS, | 14th | John Kuivinen |
| W9FQN, | 10th | Stan Rohrer |
| KC6WAN, | 2nd | Ralph Powell |

(* not running as of 9-10-93)

(** years on the board)

(*** Ron served many yrs. as Treas.)

Board members elected for 1993 should indicate to the nominating committee if they are available to run again in 1994.

The nominating committee will consider replacements to the above

elected positions and will give their recommendations to the club at the November meeting. Interested club members are always able to run for a position even if they are not on the committees recommendation list.

Anyone interested in running for any of the elected positions should contact a nominating committee member immediately for consideration.

The SCOPE during the past year has listed some of the board members with one of their areas of expertise which IS NOT PART OF THEIR POSITION as a board member. For example, WB6IQS is listed as the repeater technical chairman and probably received his appointment by the president because of this. N6ZUC's expertise is in broadcasting and packet radio and while he was elected to his position as a board member by the membership, it does not mean that he was elected to be in charge of packet. WI6B has been listed as trustee of W6NWG. Ron's board position is an elected one by the membership but his position as trustee of W6NWG is an appointed one by the PARC board and the position of trustee is not open to election. This is all covered by the club's by laws.

Board members are should attend board meetings and fulfill their assigned responsibilities. More information can be obtained from a board member.

Nominations at the November general meeting are accepted from the floor but you must have the prior approval of the person nominated.

- RECOGNITION -

Leo McCallough-N6BA, head of MACAW electronics, for the donation of a LARGE number of two-way radios and spare parts which can be used in club projects ..or taken to the swap meets. Several years ago the autopatch system used by PARC was set up using eight two-way radios which Leo sold to us at way below cost. We appreciate our club members looking for ways to help PARC with

our club projects. We will give another report on this "gift" as soon as we can inventory and identify all of the radios given to us by Leo.

Some of that radios have interesting possibilities: links, 10m packet, 10m FM, remotes, etc. If you would like to help us on a "pet" project idea, please contact W9FQN.

Ivan-N6OLE, Nash-W6HCD, and Duane-AA6EE for sending "clips" to me on ham radio. =SK=

Jack-KI6JM for drawing up several legal papers for the club.

- NEWSLETTER HELPERS -

for Aug '93 SCOPE(12:30pm) QTH KI6JM
KI6JM, Jack Hanthorn, folding, Refresh.
KC6WAN, Ralph Powell, printing, labels
KC6QBD, Dick Gearhart, . folding
WD6WDD, Steve Robinson, . labels
WA6Y00, . Harry Hodges, . Staples
KD6VAN, . Bob McNally, . folding
W6OLQ, . John Tentor, . billing
W6TFB, . Lloyd Hunt, . folding
KB6YHZ, . Art Nye, . folding
KB6YHY, . Anita Nye, . labels
W9FQN, Stan Rohrer, Editor, PO Forms

- EDITOR -

Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
749-0276, 11:30am or 9:45pm

For those trying to get my attention, I usually monitor 146.73, 449.425 and the autopatch monitors although I sometimes SCAN .73, .075, and .13. When I'm in the "scan" mode it takes a longer call or several to get my attention. It sometimes helps if you say ".. on 73" so I know which repeater you are on. =SK=

A U C T I O N

The October meeting will feature the Club's Annual Auction. High priced items don't usually sell well at these auctions, so be prepared to carry them home if they don't sell. Items selling for \$1 to \$100 usually go more quickly. Don't forget to bring \$\$ and/or your checkbook to take advantage of the great buys that traditionally accompany these auctions. See state of the art items (10-30yr ago?) and watch sellers cry as they part with

their beloved treasures ..and buyers eyes light up with glee with each new purchase as they successfully buy something they can't do without. Dennis-N6KI, hanchu (el jeffe), again promised us a few laughs and DANCING GIRLS ..promises, promises.

"The Fishing Hole"
at Oceanside Swap Meet
No 3, Row 14, Space 1&2

Calling all
"Fishing Hams"

SAVE
20-33%
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Discount
Prices

Full line of tackle items.

We also have mail
order fishing tackle
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W7HKI Larry
W7HKL Maxine

**10% of all sales
to PARC members
goes to the club**

Steve Kerrin-WA6CDU has consented to again be our auctioneer and will be assisted by Art-KC6UQH and others too humorous to mention.

The auction rules will be essentially the same as last year:

1)6:30pm, Sellers sign-in, tag equipment.

2)7:00pm, Buyers sign-in and bidders receive identification. Inspect equipment before the auction so you know what you are bidding on.
3)7:30pm, SHORTENED club meeting and then the Auction.

4)PARC receives 10% of the sale price and there is no fee for buyers or sellers. Donations to PARC are accepted.

5)All monies will be paid to PARC and PARC will pay the sellers by check.

6)Seller(s) may set a minimum bid on their items.

7)Seller is responsible for removing any items not sold by him.

8)PARC does not guarantee the condition of any items sold.

9)You don't have to be a PARC member to participate in the Auction so invite your friends to join in on the fun.

10)Sellers will not be paid their money until all monies have been collected that evening so bring an SASE if you want the check mailed to you the next day ..or pick it up at the next club meeting. Those wishing to hang around until the "bitter end" can leave with their check "in hand."

==== P I C N I C ====

The club picnic will again be held at Dixon Lake on the north edge of Escondido on October 17th near the entrance to the park. Take I-15 going north out of Escondido, east on El Norte Parkway(exit) several miles, north on La Honda, enter park (\$1/car), turn right about 100 feet and the park area is on the left. If you park just outside the park entrance, you can save 1\$ per car and just walk to the first park area where all the antennas are. The inside parking lots fill up early ..by 9:30am.

The club will provide "ham", punch, plates, and utensils. You will need to bring additional food according to the first letter of your last name and since you are bringing ONLY ONE DISH, bring enough food to feed your family plus 6 more. PLEASE NOTE THAT THIS YEAR YOU CANNOT BRING (or buy) ANY ALCOHOLIC

DRINKS: BEER, WINE, HARD SPIRITS,
ETC. THIS IS A NEW PARK RULE.

A->G, bring a desert

H->O, bring a hot dish

P->Z, bring a salad

PLEASE take SMALL portions your
first time through the serving line
so that everyone gets a chance at
their favorite dish.

If you have problems in
bringing your assigned dish, we
suggest that you pick another dish
or bring chips, ice cream (iced),
apples, etc.

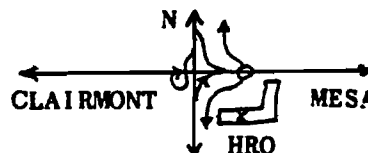
Sometimes there are not enough
places to sit except on the ground
if you arrive late so we suggest
that you might want to bring a

folding chair along with a folding
table and/or a blanket. PARC can
reserve the small pavilions but not
the tables next to them ..sooo you
had better get there early to
reserve "your spot."

Prizes this year will be a
surprise but worth your while if you
win. Almost \$50 more than last year.



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RULES are about the same as
always:

1) tickets must be picked up at the
October club meeting or at the
picnic by you or by your
representative who must submit to
PARC your written and signed
permission slip to do so.

2) you will receive tickets (MAXIMUM
20) for participation in designated
club events from Aug. 1st 1992
Jul. 31st 1993: meetings (1-12), work
parties, VE testing program, Net
controls, Field Day (1-3), contests,
last year's picnic, committee
heads (1-5), meeting goodies - when
we know who brought them, etc.

3) the drawing will be at the club
picnic at 1:10pm.

4) you or your representative must

be PRESENT to win by showing a
MATCHING ticket stub and the
representative must show a written
and signed permission slip to pick
up the prize.

5) you are limited to winning only
ONE prize even though your ticket is
drawn several times.

6) you must be a member in good
standing before tickets can be given
to you or before you receive a
prize.

If you have changed calls, make
sure that when you pick up your
tickets that you give your present
call and then look through the
computer "DUMP" file for your
previous call to get all of your
tickets. If you did not PRINT your
call neatly on the sign-in sheets,

your corrupted call could also be in
the DUMP file. (ur editor always has
troubles with the way members write
U, V, C, G, etc. on the "sign-in"
sheets and the mixing of upper and
lower case letters. He really does
not have time to research all of the
possibilities - if someone wants this
job, they can have it!)

Children are welcome but you
will need to watch and entertain
them yourselves. There is a playing
field for soccer, volleyball,
softball, horse shoes, etc. but you
will need to bring all of the
equipment needed. There are also
hiking trails down to the lake.

THE PROGRAM WILL BE-
9:00 Arrive and set up.
9:10 Start xcvr strength

tests. Bring ur HT, etc.
 & various HT antennas.
 10:00 Packet radio demo.
 10:15 Autopatch instruction
 10:30 Direction Finding
 instruction, bring 2m HT
 11:00 Hidden Xmtr hunting.
 12:00 Eat (low cal, low fat)
 1:00 President's comments.
 1:10 Drawing for prizes.
 1:30 PARC BOARD available
 for questions.
 1:30 Free time (or leave).
 Amigos, see you at the Pincic!

- WORK PARTIES -

If you are on a work party, make sure that it is reported to the editor

Over the years we have discovered that on many work parties we are required to do things that we sometimes are not prepared to do and for that reason we think that it would be a good idea to have a supply of tools at the site to meet those "unexpected tasks." If you have some extra tools that you could bring to a meeting, please see that they get to Stan-W9FQN who will mark them and put them in the new building. We need: pliers, wrenches, hammer, saws, heavy solder iron, screw drivers of various sizes and sexes, strippers, etc. You cannot imagine how frustrating it is to be on a work party and to discover that "your needs" are "back home" in the garage. And then there are always those "new" problems discovered that need immediate attention that were not planned.

(8-29) Art-KC6UQH, after putting in many hours on Erik's 147.13 repeater, finally repaired the final transistor problems and installed the repeater at the site. Art before coming to the mountain remounted all of the repeater components so that the repeater could be more easily repaired at the repeater site. Art apologizes for turning off several of the repeaters without warning while conversations were being engaged in and says he will be more polite in the future. Art was assisted by Jerry-WB6FMT in Vista with the setting of the

autopatch levels.

Jennifer A. Thieme
KM6WG

Bookkeeper
Accountant

(619) 599-1134

770 Sycamore Ave. #J-126
 Vista, California 92083

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or
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to be your agent for
north county coastal
properties

Pete W3ARU's XYL

Stan-W9FQN poured 400 pounds of cement around the outdoor rack at the base of the tower and still has about 600 pounds more to go. He also climbed a tree that needs to be cut down to see how the cuts will need to be made. Stan left at the site all of the electrical items he bought (under Joey-NU6L's direction) for wiring the new building. He marked two trees that need to be cut down on the incoming road and several at the site which need to have tops cut out of them.

Joe-N6YMD came up later in the afternoon and finished up an earlier project he was working on, the emergency 40' crankup tubular tower. The tower can now be cranked down and cranked into a "lay down" position. This should help us in the winter if we have antenna problems on the large tower which cannot be climbed during bad weather. Now we can fold over the emergency tower, add emergency antennas, and be back on the air without leaving the snow covered ground. He was assisted by Stan and Art when they had free time. Dave-KD6EBY dropped by to inspect the work being done. WOOPS, the fold-over cable broke after John sat on the end of the tower (as a test) and will have to be replaced.

(9-12) Mike-KD6VHI and Steve-KD6ZST laid the new telephone line to the new building and an emergency 15pair control cable. They also finished cementing in the four supporting bolts to the new outdoor rack.

John-WB6IQS put the 145.05 packet repeater back on the air after spending several evenings getting it in repair. John also cut several openings into the new building for ventilators.

David-KC6YSO did some wiring in the battery shed so that John's new battery chargers could be activated. John supervised the operation.

Art-KC6UQH installed the gas discharge lightning arresters in the new building and moved the 147.075 repeater to the new building with a temporary AC extension cord ..until the new wiring is completed. Art also ran a 30' extension to the autopatch system so that 075 is still connected to the system.

Stan-W9FQN was a "jack of all trades" and ended up painting 40% of the new building and climbing the tower for minor repairs/adjustments.

(9-14) Joey-NU6L took off work for the morning and spent 4.5 hours putting electricity into the club's new building. He was assisted by Stan-W9FQN. On Joey's next trip he will install an outside light and run electricity over to the outside rack next to the tower. Be sure to

tell Joey the next time you hear NU6L on 147.13 that you appreciate his efforts! (Joey does commercial and house wiring and has done the wiring for quite a few ham shacks ..he also advertises in the SCOPE - ED)

Mike-AB6QT dropped in with coffee for all and he and Stan looked at the packet which suddenly stopped working Sunday evening after it was installed by WB6IQS. Mike found the DC plug to the TNC had fallen out of a loose DC socket so the packet was immediately repaired with "gum" and all is now normal.

Mike-KD6VHI and Steve-KD6ZST arrived at the site after W9FQN left and they installed a new phone line entrance box, ground connection, and ran the telephone line into the heliax junction box.

(9-16) Mike and Steve again visited the site installing a newer lockable phone line entrance box.

(9-19) MOVING DAY! Art-KC6UQH moved the 147.13 and the Autopatch System over to the new building which sounds rather simple but it required a lot of disconnecting of cables and reconnecting of cables. Art also spent a lot of time putting the expensive Heliac connectors on the new Heliac lines which run to the lightning arrestor box on the side of the new building.

John-WB6IQS was all over the place answering questions, working on the DC battery system, and drilling holes in the new building where needed. John almost always seems to have the right tool along with him.

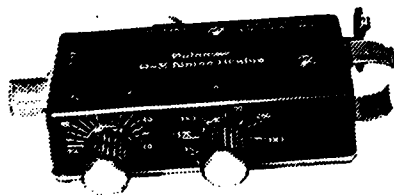
David-KC6YSO painted the small battery shed a pretty light green to match the other buildings and worked with John on the battery wiring.

David-KC6EBY who is in charge of PARC's batteries also helped John in the battery shed (1360Ahr of storage). Dave has been visiting the site every couple of days checking the batteries for proper acid levels and charging current. He is also looking into the mouse problem. They seem to like eating electrical wiring!

Tim-N6ZUC and Tom-KJ6NNA came

up and installed a new battery line from the battery shed to the new building. This required digging a new ditch and putting everything in schedule 40 pipe.

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- Learn the truth about your antenna.
- Find its resonant frequency.
- Adjust it to your operating frequency quickly and easily.

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Phone: (619) 747-3343

Chuck-KI6TG (on less than 24 hour notice) filled in for a missing climber and was "high man" on the tower where he connected up two new heliax runs to the right hand 2m 4-bay (9DB) antenna and to the the 70cm 4-bay autopatch system antenna. Chuck is a rock climber and is presently PARC's NUMBER ONE man on the tower.

THE CLUB NEEDS MORE CLIMBERS! If you would like to participate in "on the job" training, please contact W9FQN who at 64 has more "time on the tower" than anyone in the club.

Stan-W9FQN assisted Chuck on the tower and attached the new heliax lines to the aluminum cross arms which are installed every 10' so that our heliax lines run straight up the tower in numbered positions. Before they were in bundles and we never could trace the lines easily. He also helped everyone else with supplies bought earlier for the workparty.

(9-24) Tim-N6ZUC went "solo" to the site and dug the control line ditches.

In late afternoon, Stan-W9FQN and Barbara-KA6FPS camped at the site overnite. They painted the rest of the new building and laid out the pipe for the new control lines on the 26th.

MORE ON THE MOVE TO THE NEW BUILDING NEXT MONTH. We certainly do wish that more of you could participate in the FUN. The weather has been great and the view fantastic. If you use the repeaters, you really should see and participate in what PARC has been doing at the repeater site. There is lots of work that does not require "skilled hands". We need trucks to haul cut brush. We need painters. We need cleanup crews to pick up small twigs and wire cuttings from the ground in the work areas. UNCLE PARC NEEDS YOU!

- R E P E A T E R S -

PACKET RADIO de John-WB6IQS (PARC Repeater Technical Chairman):

The packet digipeater (145.05) was up and down for about a week last month and it appeared to be the result of a lightning strike. The main power timer printed circuit board had a burned out trace and what used to be a T092 plastic cased silicon controlled rectifier (SCR) had turned into three leads dangling in space.

This only goes to prove my smoke theory of electronics. All

electronics run on smoke, when you let the smoke out of an electronic item it fails to work, therefore the smoke must have been the thing that made the item work in the first place.

In addition the main receiver FM demodulator IC was burned out and the PTT (Push-To-Talk) relay was shorted internally. Some quick calculations show that if we assume 3000 packets a day (low to moderate usage) then that is 100,000 operations per month, 1.2 million operations per year and approximately 5 million operations during the last four years. A normal relay is rated to one million operations so the Motorola designers had their "stuff" together when they designed this mobile radio.

New channel elements (crystals) have been ordered and a spare packet repeater is in the works. This would be the same type of Motorola Micor radio but with newer electronics and a better power supply. The club could use an MFJ 1270B TNC if you have a spare that you are not using. Otherwise we will have to go down to the candy store for more "candy".

RTTY REPEATER:

The Radio Teletype Repeater (146.77.1) has been in operation over three months and I can see that the users need some operational notes about the normal operation of the repeater. This repeater demodulates and reformats the data it hears. It does not make any decisions on the type of data or data rates. The Space tone is centered at 2295/2125 Hz. There are internal timers that will limit the repeater operation if a steady tone (no changing data) is being received. In addition the repeater requires a PL of 107.2 Hz to activate it in addition to an RTTY tone.

If you want to send AMTOR, RTTY Baudot, RTTY ASCII or any other data format this is acceptable to this repeater as long as you follow the format as outlined above.

The next generation repeater is in the works that will (possibly) send all types of common data

formats. This would include FAX, WeFAX, RTTY, PACKET, PACKET Mailbox, AMTOR and SSTV. If anyone in the club would like to provide help or technical information on the above formats I would like to hear from them. In addition are there any other formats that are commonly used that I am not including?? =SK=

- AMATEUR RADIO
- CB RADIO
- MARINE RADIO
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Joan Lovell

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11885 Carmel Mountain Rd., Suite 905
San Diego, CA 92128

147.13: In 1987 Erik-KA6UAI wanted a place for his 147.13 repeater and he and PARC worked out an arrangement for Erik to use the PARC repeater bunker rent free while PARC provided antennas, feedlines,

autopatch, and power. In return PARC members were allowed complete access to the repeater and for all practical purposes we have used his repeater as if it were one of our own. Erik has lost some interest in his 147.13 repeater and would like to pursue several other projects he has been working on from time to time. He is willing to let PARC take over complete control of the repeater (including maintenance) and to put the W6NWG call on it.

PARC wants to take this opportunity to thank Erik-KA6UAI for all of the effort and tender loving care which he has put into the 147.13 repeater and we hope that his new projects bring him much satisfaction. PARC will be offering some assistance in his new projects but will not be a part of them. =SK=

Club members with PLs should make sure that their memory for 146.730 has a PL of 107.2Hz. When there is interference (ie, intermod) the PL is turned on to prevent the signals from keying up the repeater. Remember that you need a PL to operate the autopatch on this frequency. =SK=

With five 2m repeaters mounted on the same tower with approximately the same antenna gain, they should all be almost equally accessible from most areas of San Diego County.

It would appear that the club should have some policy on the use of the repeaters. In general the club has placed most of the nets on 146.73 and when we ran out of time slots we started stacking nets on 147.075. The 147.13 frequency was left free for chit-chat.

We are beginning to hear stations coming up on ALL THREE repeaters looking for someone which makes us think that the club should designate 146.73 as the CALLING REPEATER where everyone monitors. Then after contact is made, you agree to MOVE OFF TO 147.075 or 147.13 for your conversation. When finished, move back to 146.73 to monitor again. An exception to this would probably be the morning "commute" nets and the late evening Faceatious nets on 146.73 and 147.13

respectively.

Chewing the RAG on 146.73 would probably be discouraged.

Of course, husband and wife teams might decide to monitor 075 or 130 since they know that no one else is looking for them but for amateurs with lots of friends monitoring 146.73 seems to be a logical thing to do ..THEN MOVE off the frequency to 075, 130, simplex or 449.425. If you do not hear your friend on one of our other repeaters, then make your call on 146.73 where he (she) should be monitoring. WHAT DO YOU THINK? =SK=

Stan-W9FQN, Art-KC6UQH, John-WB6IQS, Bill-WB6MCU, Sybil-N6GIC and Harry-WA6Y00 attended the TASMA 2m coordinating meeting in Carlsbad 9-11-93 where TASMA again put off coordination of our 147.075 (again) ..and made no move on the 146.7 RTTY repeater. They have requested letters be sent to them (done) and that we are on the list to be coordinated at the next TASMA meeting. Well, thats some sort of progress even though the 147.075 repeater has gone through almost four 90 day test periods.

Greg-N6NYX, TASMA chairman, has certainly improved the TASMA meetings and treats everyone fairly who comes before the technical committee.

REPEATER DO / DON'TS

DO: *****


1. Pause from time to time to let others join your QSO.
2. Give ur call immediately & every 5 to 10 minutes.

Also on last transmission

3. Let the repeater drop out every 2-3 transmissions.
4. Go simplex if you are in range.
5. Find an open NWG repeater to run your autopatch.
6. When a QSO is broken with -
 - a call sign; let them in within 1-3 exchanges.
 - BREAK + call; let them in within one exchange.
 - BREAK BREAK + call; stop & turn freq over to BREAKER
7. Use your call + MOBILE if you are


using the autopatch.

8. Monitor .730 & move to 075/130
9. Run a patch for other amateurs who really need it.




If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!

Radio systems installation, repair and removal, and interference resolution.



Edward Ross, N6GZI
542-1405

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CA 92082

NU6L



DON'T: *****

1. Say, "(your call) for ID".
2. Use phonetics for your call when you are talking 2some1 you know
3. Call a station on the repeater 2-5 times in a row.
4. Tail gate transmissions so you can hear a BREAK.
5. Use: DAMN, HELL, etc. or suggestive language.
6. Reset the repeater while you are

- talking unless you are handling traffic messages on a net.
7. Conduct business with ur wife or someone else.
8. Mention where the repeaters are located on Palomar Mountain.
9. Say the patch codes on the air.
10. Make a call and say "are you there Joe", "are you listening", or "are you out there Jim?"

Base stations are encouraged to limit their conversations during the MOBILE HOURS to short exchanges. Mobiles have priority during the 6:30 to 8:00am and 4:30 to 5:30pm. time slots although PARC has no objection to BASE stations talking to mobiles during these time slots since it is important to have base stations available to assist with any mobile emergencies.

- AUTOPATCHES - de W 9 F Q N

New members should request an AUTOPATCH INFORMATION SHEET describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY ..or see me at the next meeting. =SK=

The autopatch system has been moved to the new building and appears to be functioning properly. Jerry-WB6FMT has finished up the prototype of the 2nd generation patch which we hope to have installed by Christmas. It contains a 911 unlimited timer, a busy signal when the patch is used on another repeater, and the possibility of a more simplified repeater access code. =SK=

The autopatch system move to the new building is being carried out with only one patch being disconnected: 146.73. It will be the last repeater moved since it is the only 2m repeater presently connected to the emergency 12vdc backup batteries. When 12vdc is connected in the new building it will also be moved. =SK=

It probably is a good idea to say "OVER" when you are in conversation on the autopatch ..and encourage the person you are talking to to say "OVER" also. We hear many

FREE ADS FOR MEMBERS

"doubles" and quick answers which the other station does not hear since it take a finite time for your transceiver to switch from transmit to receive and for our equipment on the hill and in San Diego County to respond. Part of the problem (a small one) is the time needed for relays to switch ON or OFF and for transmitters and receivers to respond to PL tones. By saying "OVER" you tend to prevent the other person from responding while you are still talking with the answer being lost with a quick reply. =SK=

- F O R E S A I L -
Yawl ketch on?



Phone or send ads to Editor's QTH, W9FQN, (see Editor) before the 20th of the month with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are \$40/page to \$5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line. =SK=

SILENT KEY's ESTATES: A club member is appointed by the PARC executive committee to handle each individual station with initial contact by Eleanore, N6QJE, & pricing of equipment headed by Dennis, N6KI. Announcements of Silent Keys (SK) in the SCOPE is done only after contact with the family.

\$450: SELLING the 54' heavy duty crank up tower (heavier duty than a W-51). Looks like it never has been used ..even by a little old lady. Has two cranks on it and needs one more for turning them. Club members 1st at \$500: W9FQN for PARC 749 0276 VC.

(9-23) YAESU FRG-8800 Gen.Cov. RCVR w/VHF Converter \$450; Heath HM-9 Wattmeter \$35; Heath HFT-9 Tuner \$35; Palomar Elect. Active Ant. \$35; Kantronics pkt software for MAC/new \$20: Duane AA6EE 789 3674 Ramona.

STOLEN: Alinco DJ580 2m/440 SN 0017662 call KD6QHF 721-5020.

(9-2) Yaesu FT-990 xcvr all filters \$1695; MD IC8 desk mic \$75; MFJ-989C 3kw ant tuner \$225; Diamond X-50A 2m/70cm 5.5' 4.5/7db base

mount ant \$70: Abe KC6UQA 432 8222.

(9-2)RG-8, new copper shield 20 cents/ft: Jim KA6OLZ 434 1391 Carlsbad. (8-30) COLLINS S-Line 75S3 & 32S-3 winged emblem gud cond \$300 ea: Pete K6JQE 755 4838 Solana Beach.

(8-5) Kenwood PS940SAT w/Sure mic mint \$1300; SB220 Linear Amp 2kw PEP 10-80m 2ea 3-500Z's exc \$500; HM102 SWR meter \$40; SB610 monitor scope exc \$85; Johnson lowpass filter \$15: RFKist W6KTE 941 3555 Vista.

=====

HIGHWAY ELECTRONICS: parts, (new/old),military.Ask 4NICK 967-7225 2 C if open(10-3pm) 305WISCONSIN AV.OCEANSIDE CA

=====

(7-8) Commodore C-64 computer complete ex cond monitor 2-drives 2-printers 80col card mem-exp card software RTTY interface, inst books all \$200: Henry N6JWF 945 1247 Ocsd. GOOD WAY TO GET ON RTTY AND RUN CODE!

(6-18) Drake w4 wattmeter .2-2kw scale \$55; Tentec squeez keyer \$55; battery charger D-A-C cost \$30 now \$9; mobile 3.5" cone spkr \$8;SCANNER R/S mobile + 110vac w/mt bracket w/out of area xtals UHF/VHF \$20; E Voice Mic 674 W/stand & cord \$25: Larry W7HKI 439 5855 Ocsd.

(6-16) Kenwood TS-130SE xcvr 80-10m + WARC, MC-50mic \$400: Marvin WB6PKK wkd 597 5388 or eve747 2223.

(5-6) Realistic DX-100 rcvr .535-30MHz best offer or \$45; CB Sonor Mod "E" xcvr \$5: Bob KC6VDX 758 9078 Vista.

(4-22) Collins KWM-2 w/pwr sup \$550: Lou ND6W 437 8351 Coronado.

=====

IF U SOLD OR BOUGHT AN ITEM, LET UR ED KNOW SO HE CAN REMOVE THAT PART OF THE AD. PLEASE, ONLY CURRENT ADS!

=====

TUBES for sale ..all kinds ..all sizes ..part of PARC tube yard: Dave WA6HQM 753-2605 Encinitas.

***** WANTED *****

"a few good men"

PARC WANTED LIST:

(tools repeater site)

Screw drivers all types, pinchers, pliers all types, wrenches, strippers, heavy and light duty solder irons,

(9-23) Someone who needs space at TRW on 30th Oct.: Duane AA6EE 789 3674 Ramona.

(7-17) Manual to be copied by me for Regency HR-2b FM xcvr: Stan W9FQN 749 0276 Villy Ctr.

(6-18) Manual for HeathKit HW-101 or copy. Need help for new ham club: Larry W7HKI 439 5855 Ocsd.

(5-?) Model 28 dual speed RTTY: Dee N6ELP 753 5647.

(4-30) Yaesu 757 Computer Interface: Tom KC6ZRW 943-0079 Encinitas.

(4-5) Need 730 or 520: Hod Luhn W6UCN/7 406 763 4576 Montanna.

(3-25) Swan MARC II linear for parts: Duane WB6R 753 4821 Cardif.

(3-25) ICOM pwr sup PS-35: Dennis N6KI 271 6079 Mira Mesa.

(3-1) Kenwood receiver R1000, R2000, Yaesu FRG8800, Drake R-8 etc: Henry Palmer 744 6187 San Marcos.

F I E L D D A Y 1 9 9 3

de Dennis-N6KI

THE FIELD DAY PIZZA BASH will be held November 14th and will probably be at Mr. G's near HRO unless we can find a Pizza location that can serve upwards of 75 people in north county. If you have any suggestions on a location, please contact Harry-WA6Y00, PARC President, immediately. If your name is on the followin list you MUST RVSP to Harry by October 24th whether you are going to the BASH and the number of guests (guests above 12yr are \$4 and below 12 are \$2) you are bringing. This is a BYOD occasion.

The following will be invited to the PARC FD pizza bash:

N6AZE N6ALA WD6AHX KD6ADJ KF6BL WA5BNH WB9COY WA6DOC KD6EFQ WD6FWE W9FQN KA6FPS KN6FQ W6GIC AA6GL N6GNB N6GZI WB6HMY WB6IQS N6ISC AB6IU KD6IVF KN6IP KI6JM WA6JHA N6KI AA6KY WB6KYG WF6L KK6LX KC9LV AB6LY KD6LRA KD6LDI KB5MU KB6MCU KM6MW KB6NMK WB6NBU NE6O AB6PU KE6PY WB6PKK N9PVF

KM6PY N6QDB KC6QXU N6QVW KB6QC
 KC6QHU KC6QBD WB6R WB9RKN KD6RFO
 KK6RX KC6TLW AA6TR N7TTO N6TEP N6UZH
 N6URW KC6UQH W6UQF KC6VEC KA1VFF
 N6WLX AA6WS KM6WG KC6WPF KM6WF
 KC6WAN KD6WDD KZ6X KM6XA KM6XV N6YMD
 KK6YB KC6Y0X KC6YSO N6ZUC KC6ZRW
 LUDLOW/JIM VERNACCHIA/RALPH.

If anyone participated in any way and is not listed, please contact Dennis-N6KI or Harry ASAP.

Field Day is an EMERGENCY EXERCISE and each FD we again learn a little bit more about what it takes to operate in an emergency. This year BILL-KB6MCU and Orlando-N6QVW mounted one of the HIGHWAY ELECTRONICS crankup towers to the house trailer and mounted the second one on a easy to set up base which can be hauled easily in a pickup truck. We also acquired several new beams. BILL also fixed up the antenna rotators with quick connect connectors so that rotor control cable can be easily connected or interchanged in case of problems. Bill was co-chairman with Dennis and put in many long and hard hours seeing to it that all of the mechanical equipment and antennas worked properly.

For the past 3-5 years the club has been getting more serious about their FD scores and consequently each station was urged to get their best operators for their station. Of course, club members who "drop in" on FD and expect to operate are disappointed since each chief operator has already scheduled his operators (sometimes weeks in advance) for the 24 hours. =SK=

MARK-WA6DOC reports that there were few problems with the FD food and would like to thank JOHN-N6URW, SAL-KK6RX, and DICK-KC6QBD for their help and supervision.

A special thanks to JOHN and DIANE TYLER who did all the food shopping and made the potato(e) salad, DICK and LUCY GEARHART who made the chili and donated a lot of their own food, and to SAL & MARK who were "chief cooks & bottle washers." Someone once said, "an army fights on its stomach."

BARBARA-KA6FPS reports that the

FD crew went through 3 rolls of toilet paper in 24 hours. =SK=
 (Editor's comments: I am truly sorry that Barbara's remarks follow WA6DOC's remarks ..there is no connection intended or implied!)

Denis-N6KI reports the following scores:

| CW-93-PHONE | CW-92-PHONE |
|--------------------------------|-------------|
| ----- | ----- |
| 160 - - | - - |
| 80 120 304 | 97 199 |
| 40 340 513 | 373 255 |
| 20 566 1357 | 637 658 |
| 15 503 519 | 510 482 |
| 10 - 11 | - 239 |
| 6 4 47 | - 5 |
| 2 1 171 | - 0 |
| 17 86 727 | - 405 |
| Sat. 24 14 | 43 171 |
| Pkt 46 - | 36 - |
| 220 - 20 | - - |
| 440 - 14 | - - |
| 1690 3731 | 1696 2414 |
| Nov. 39 169 | 47 211 |
| TOT1729 3900 | 1743 2625 |
| Claimed score: | |
| 14,716 Pts | 12,222 Pts |
| With bonus: | |
| 16,116 Pts | 13,493 Pts |
| Wait till next year! | |
| = reported L O S T = | |
| PARC beam manuals | |
| (issued to CHOPS) | |
| = reported F O U N D = | |
| pliers (1) | |
| clamp lamp (1) | |
| baseball caps (2) | |
| plastic gas can (1) | |
| welders gloves (1pr) | |
| cigarette butts (100+) | |
| tan military shirt (1) | |
| white plastic chair (1) | |
| roll white 22gauge wire(1) | |
| = reported E X C H A N G E D = | |
| red fire extinguisher | |
| (on fence by cooks) | |

S W A P M E E T S / N E T S

OCEANSIDE: Meets on the 2nd Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers \$13. If you are selling only a few items, you might want to double up with others to reduce your individual sellers

cost. You might also want to check with Harry-WA6Y00 for any discount coupons he might have.

- M E M B E R S H I P -

Ralph-KC6WAN Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet should send W9FQN a self-addressed envelope (SASE) requesting same (see Editor's address). =SK=

Club membership rosters are published free in September or October of each year but are available to club members now for 25c at meetings (CALL 1ST) or 50c thru the mail. =SK=

NEW/RENEWED:

- 4 years -

W6IUG-Bob

- 3 years -

KB7VNU-Ed, N6UWW-Ellen,

- 2 years -

K6HAV-Ralph, N6INN-Pat, KD6DNW-Walt,
 WB2DZH-David, N6UFA-Kelly, KD6DNW-Walt

- 1 year -

Chuck-Littlefield KD6YK-Nick, KD6QK-Harve, KD6MNH-Gary, KD6VWX-Rick, Julie White, Pete Vollmer, Nancy Vollmer, W6VZ-Del, WM6K-Lyle, N6OAO-Sue, N6OAM-Craig, KD6FEU-Hicks, KBOAUP-Greg, KD6BCU-Parviz, W6CGY-Leroy, N6SWZ-Bob,

CHANGES: N7QGH to 12655 Wimbley Ln, Woodbridge VA 22192; NN8P to 1989 Country Grove Ln Encinitas 92024; KD6LUN to 10733 Calston Way SD 92126; KD6EBY to POB350 Valley Center 92082-0350;

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

I would like to have you check your label after paying your dues to verify that your dues payment has been properly posted. Errors, if any, are more easily fixed sooner rather than later. Most members receive their SCOPE 5-6 days before the next club meeting. The SCOPE is

mailed on a Tuesday afternoon, eight days before the club meeting.

5 YEARS A G O G O

10-88: ..extended 70' tower to 80' with 10' section donated by Clint-W60FT ..climbers were Ed-N6GZI, Chuck-KI6TG, and Stan-W9FQN ..Facetious Group had 3rd annual midnight breakfast at a Penasquitos restaurant.

- V E T E S T I N G -

(Rusty-AA60M 747-5872)

N.Co.FCC LICENSE EXAMS by PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs East) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted. VE info: call 465-Exam.

610 forms available: HRO, 5375 Kearney Villa Rd. or at club meetings.

AUGUST 25th TESTING:

NONE->Tech: Paul Erikson & David Yueng.

OTHER: Bradley Lambson(2) & Robyn Tialavea(2).

AUG.EXAM TEAM: Jack Hanthorn-KI6JM, Jennifer Thieme-KM6WG, and Rusty Massie-AA60M.

SEPTEMBER 11th TESTING:

ADV->EXTRA: Harry Milum-KK6JY

NONE->TECH: Robyn Telavia

NONE->TECH+: Roger Koelsch

OTHER: John Crossan(3B), Gerald-KD6TCT(4A), Mike-KD6WDD(3B), and Isabel Ruegseger(2).

SEPT.EXAM TEAM: Sam Burdette-W6YYV, Jack Newlove-AA6UQ, Mike Doyle-AB6QT, Jack Hanthorn-KI6JM, and Rusty Massie-AA60M.

73, Rusty-AA60M, VE Team Leader

- N E T S -

If you are interested in becoming a part of the 8pm San Diego Co. Traffic Net (SDCTN), remember that you need to request EACH EVENING net control to add you to =THEIR= roster. Joe-N6RVO is still looking for stations that can work into the 146.82 repeater to the north of us to handle SCNV traffic. This is where a remote base would come in very handy. =SK=

The Spanish net on the 2nd and 4th Wednesday is looking for more participants and if you have problems with your computer, remember to check in to the Computer net on Thursdays. This are all at 9pm on 146.73.

who have 2m mobile capabilities to relay public safety information. Contact Ellen at 630-0950.

Ellen also announces that TORRA (Tournament of Roses Radio Amateurs) has a net currently held on the last Thursday of each month on 147.27 at 7:27pm. starting weekly after Thanksgiving and nightly after Christmas in preparation for the Rose Parade. Anyone interested in being a part of this HUGE effort to pulloff a successful parade is encouraged to contact Cliff Ford-KB6IA, (213)-257-3293. Packet, 2m, 220, and ATV are used so there is something for everybody. Contact should be made by October 1st. =SK=

The MS 150 (Multiple Sclerosis) bike ride from Orange County to San Diego will be using the 146.73 repeater Oct.3rd, Sunday morning and early afternoon for communications and coordination. While they do not have exclusive use of the repeater, we do urge members who make contact on 146.73 to keep it short or move off to 147.075 or 147.13. Be sure to leave the repeater "drop out" between transmissions so that emergency traffic can BREAK in easily. If you run an autopatch in an emergency for them (or anyone else), remember to ask them if they have their 107.2PL turned on ..otherwise the autopatch system will not hear them! =SK=

Dan-WA6HYB sent us one of his QSL cards along with samples of 66 other cards sold by Shell Printing, P.O.Box 50, Rockton, IL 61072. The cards are \$11 including shipping (\$2.10) for 200 cards. You can also design your own card. Drop them a note and they will send you a sample packet of cards. (ur ed will have samples at the next club meeting) =SK=

Results 1992 ARRL 10m contest:

1st SDSec ARRL 10m CW/SSB<150w W6VQF
(Charlie is our FD CW King)

2nd SDSec ARRL 10m CW/SSB<150w N6KI

1st SDSec ARRL 10m CW <150w AA6EE

1st SDSec ARRL 10m SSB >150w KD6QK

1st SDSec ARRL 10m CW >150w KA5Q

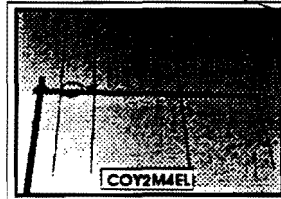
2nd SDSec ARRL 10m SSB >150w AA6GL

Ivan-N6OLE has an older brother, Bill-W4KOF, who lives in

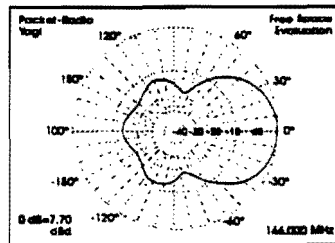


Two Meter Yagi Great for Packet Radio or FM

Measured Gain 7.5 dBi



H-Plane beamwidth 60 deg
Bandwidth 144.5-147.5 MHz
SWR < 1.7 at Band Edge
Impedance 50 ohm
Silver Plated Teflon SO-239
Maximum Power 500 Watts
Chemfilm Treatment On Brackets
Balanced Matching System
Two Part RTV Poling
Black Delrin Insulators



(619) 748-2286

Gene Swiech, WB9COY

EXERCISE

Does Your Heart Good.



American Heart Association

- N E W S -

Contributions to =NEWS= should be sent to your editor by the 20th of the month. =SK=

The TOUR DE NORTH COUNTY BIKE RIDE will be October 10th and Ellen-N6UWW is in need of 15-20 operators

PARC Membership Application

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to membership chairman at club meetings. We prefer checks to cash, it's safer and you have a record. Dues are \$12 a year which includes \$3 for the club newsletter, or \$21 for a family all at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman. Name, call and complete address are required. Telephone number is requested but may be unlisted in roster if you prefer. For notification of acceptance send SASE with application or the receipt of the next newsletter mailed the last week of each month will be your only notification.

From South Bay Amateur Radio
Society: SOBARS packet net 2000 Tues
on 146.550MHz; SOBARS Packet BBS
145.630MHz; contact frequency
144.9MHz FM; Daily Rag Chew 28.81MHz
USB at 1300hrs; and CW practice
28.39 USB M-F 2100hrs.

It appears they also operate a free SOBARS AR School at 6:30pm every Wednesday at the Norman Park Center. =SK=

- F U N N I E S -

Contributions to this column

```

NON MEMBER:  we thought that
you might like to consider
joining PARC because we have
noted your -->>
__ interest in amateur radio
__ new/changed license status
__ request for information
Using:  146.730    147.075
        147.130    449.425

```

```

* * * * *
* 2nd Class *
* Postage   *
* paid at   *
* V I S T A *
* CA. 92085 *
* -9998     *
* * * * *

```

WORK PARTIES

PALOMAR MOUNTAIN:

Can use trucks for hauling small tree limbs to burn site. Need light duty clean-up crews during Sunday afternoons in October. HELP!
(contact W9FQN 749-0276



Ph. Codes-->XX
DELIVER XX
TO --->XX

| | | |
|------------------------------|------------|------------|
| | Membership | License |
| <Palomar Mt> | Expires | Expiration |
| VSTA/MMSA/LMSA/Falb/PRCyyymm | | LXyyymm |

[illegible]

723-0620

Loyal M. Hanson - W9WV
Fallbrook, California

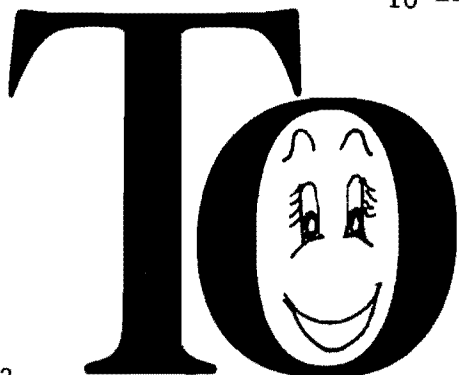
are encouraged - W9FQN.

INDUCTOR- Drafting a woman for
the Army.

RESISTOR- What a man should do
if attacked by a female ham.

ANTENNA- Uncle Joe's wife.

PHOTOMULTIPLIER- Person who
makes a double exposures. =SK=



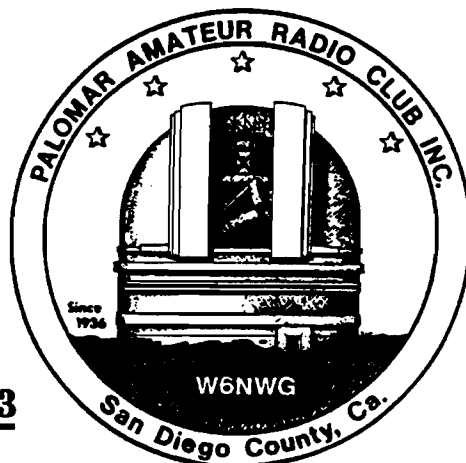
W6NWG W6NWG W6NWG W6NWG

Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073



 NOVEMBER ***** 1993 ** 57 YEARS OLD
 ***** Volume XIX, Number 11
 ***** Published every month by PARC
 ***** An ARRL Special Service Club

 NOVEMBER 3rd Meeting (WEDNESDAY)
 Coffee 7:00pm and Meeting at 7:30 pm
 Carlsbad Safety Center, Palomar
 Airport road to Camino Real, East on
 Faraday 1/4 mile, left to Carlsbad
 Safety Center, Thomas Bro. pg.14,F6.
 Talk-in 146.73*, 147.075 and 147.130

OPEN REPEATERS / CLOSED AUTOPATCHES

PARC FREQUENCIES USED:

145.050 Packet, W6NWG / "PALMAR" %
 146.175+, **PATCH, PLed, Art-WA6IPD
 Fallbrook and local area
 146.520s, ARRL National Simplex Freq
 146.535s, Palomar Amateur RC Simplex
 2m Simplex Emergency Portable Rpt.
 146.700-, RTTY, PLed, IN = OUT %
 146.730-, *PATCH-PLed, Palomar.Mt.%
 147.075+, *PATCH, PL, Palomar Mt.%
 147.130+, *PATCH, PL, Palomar Mt.%
 224.900-, PL, Palomar Mt, 220 ClubSD
 WD6HFR, Palomar Mountain
 METROLINK, Packet link, 9600 baud %
 446.000s, National Simplex Frequency
 449.425-, *PATCH, PL, Palomar Mt. %

AUTOPATCH OUTLET CENTERS:

WB6FMT-VSTA; WV6Z-MMSA
 WA6IPD-FBRK; N6IZW-LMSA

* = PATCHES on Palomar Mt. Repeaters
 Covering 2,000 sq. miles of SDCo
 ** = PATCH, local Vista / Fallbrook
 % = W6NWG, PARC, trustee Ron-WI6B
 (107.2 Hz used for all PL's)

***** C A L E N D A R *****

Nov. 3 Wed. Palomar ARC Club Meeting
 (bring a can of food)(nominations)
 Nov.11 Thur. PARC 7pm Board Meeting
 Nov.13 Saturday PARC VE Carlsbad SC
 Nov.13 Oceanside Ham Swap Meet, Rd76

Nov.14 Sun.FD Pizza Bash for FD crew
 Nov.19 DEADLINE FOR SCOPE ARTICLES
 Dec. 1 Wed. Palomar ARC Club Meeting
 == ELECTION OF OFFICERS ==

Dec. 4 Sat.Holiday Bike Ride 146.73
 ***** NEXT CLUB MEETING *****

Art McBride-KC6UQH, VP and pro-
 gram chairman, has announced that
 the next club meeting will be Gail-
 KM6WF showing pictures of her
 DXpedition to Moneserrat (below
 Antigua) with two of her female ham
 friends. It should be a good meeting
 for the YL's and XYL's.

#SK#####SK#

- W 6 B O S -

A R T S T E W A R T

Art was a founding

member of the Palomar AR

club in Escondido,Feb'36.#

He died Oct 9, 1993 in

Fallbrook, CA. He will

be missed by all of our

club members who knew

him. Art had an advanced

class license and was

born in 1907. 73, Art

#SK#####SK#

- W 6 S I W - X

P A U L N A Y L O R

It has been reported

that Paul died sometime

during the Spring of '93

#SK#####SK#

SHOW and TELL will feature
 whatever you bring. Talk to Art-
 KC6UQH before the meeting starts to
 reserve a time slot for your SHOW &
 TELL item(s).

When you come to club meetings
 be sure to visit the RACES station
 which is just across the hall from
 the meeting room. Ron-KM6MW and

assistants are more than happy to
 give you a personal tour of the
 station.

*** N E W S F L A S H 1st 5A ***

K4ESQ CALLED DE MINNEAPOLIS
 SCOOPING ALL LOCAL ARRL OFFICIALS
 WITH WORD THAT PARC IS A 3-TIME
 WINNER OF FIELD DAY CLASS 5A
 COMPETITION WITH 16,116 PTS (3rd
 among all generator stations & 6th
 including battery).

W A N T to be a H A M ?

(or Dial-a-Ham)

If you or a friend are inter-
 ested in becoming an amateur radio
 operator and/or in joining PARC,
 please contact one of the ELMERS
 listed:

*** E L M E R S ***

CARDIFF, . Duane-WB6R, 753-4821

CHULA VISTA, Steve-N6RUV, 422-4415

ESCONDIDO *** Harry-WA6Y00, 743-4212

***** PALOMAR AMATEUR RC PRESIDENT

La MESA, . Roger-N6UW, 697-6025

LAKESIDE, . Mac-WB6GXR, 561-2211

RAMONA, . Vern-AA6UU, 789-3070

SAN DIEGO, . Dennis-N6KI, 271-6079

\$AN MARCO\$ ** Ralph-KC6WAN, 727-7415

***** PARC MEMBER\$HIP CHAIRMAN

VISTA, . . . Jack-KI6JM, 598-0420

SAN MARCOS, Rusty-AA60M, 747-5872

(Head of PARC VE testing program)

Besides calling one of the
 above amateurs, prospective amateurs
 ONLY can call 1-800-32-NEW-HAM at
 the Amateur Radio Relay League
 headquarters 8AM-5PM EST M-F in
 Newington, CT. for more information
 on amateur radio.

***** LAST CLUB MEETING *****

Attendance was 107 members, 24
 guests, for a total attendance of
 131 PLEASE COME EARLY and help set
 up chairs.

See AUCTION for comments on the last meeting.

ART-KB6YHZ supervised the drink and goodie table with members bringing goodies: JERRY-N6TCB, DICK-KC6QBD, SYBIL-W6GIC, PAUL-N6ISC, GEORGE-K6YGK, RON-KM6MW, BILL-KM6PY, & DOC-KC6RNV/KD6TBT.

The goodies were great and you were rewarded with "1" participation ticket each (not per cookie ..or twinkie ..or donut hole)!

BOARD of D I R E C T O R S

=====

BOARD MEMBERS present:

President: Harry Hodges, WA6Y00
VP/president: Art McBride, KC6UQH
Sec.:(appointed)Nash Williams, W6HCD
Membership: Ralph Powell, KC6WAN
SCOPE/ETC: Stan Rohrer, W9FQN
RTechnical: John Kuivinen, WB6IQS
Control(packet): Tim Low, N6ZUC

- also present -

Training/FD: Bill Smith, KB6MCU
OTHERS: Sybil-W6GIC, Jim-KD6IVF and
Larry-AB6LY(Swapmeet Chairman)

ABSENT from board meeting-

Treasurer: Benton Caldwell, KK6LX
W6NWG Trustee: Ron Wilhelmy, WI6B

Club members are invited to attend these meetings to observe the Board of Directors in action ..or non-action ..es (and) get an activity pt for attending! Harry's brownies were great.

DISCUSSED: Oceanside Swap Meet (cost, social part, helpers); telephone committee (calling lists), Ted-KD6AKT's name mentioned; \$9,995 (\$590equip, \$2,234prepd, \$7,271op); programs; meeting order for new year (7pm coffee, 7:30 end coffee & start meeting, 8 program, 8:45 end program, 9 clear room; autopatches and patch "chit-chat"; membership records; points awarded for participation; etc.

APPROVED: \$408.99 (WB6IQS rpt'r site expenses); \$275 rotators; \$200 duplexer; Tim-N6ZUC appointed greeting committee; etc.

Please contact one of the board members for more info. or see the secretary for written comments.

- PRESIDENTIAL QRM -

WA6Y00 2435 Our Country Rd
Escondido, 92029, 743-4212

Palomar has done it again! A three-peat! Numero Uno! The ARRL Field Day results are in and we are the Class 5A winners again! Simply extraordinary! The credit goes not to one or two people, but to the entire eighty plus members who participated. Those who helped set-up, take-down, operate, log, serve food, take pictures, write articles, escort visitors, and on and on. To all of you who made this wondrous thing possible: Congratulations!!!

I would like to thank everyone who brought in a sweater for Sweater Day, the community's effort to clothe the homeless this winter. You done good! Now, while you are basking in all of these wonderful feelings, I would like your help again. The Salvation Army is beginning a food drive for the needy. They hope to provide food baskets that brighten the holidays for those less fortunate. Please look in your pantry, pick out a can of food and bring it to the November club meeting. Next, do it again for the meeting in December. There will be a collection box just inside the door.

The planning for the 1994 ARRL Southwestern Division Convention is moving right along. There are still spots on some committees to be filled, so if you can spare a little of your time, we can make this a very successful convention. You will enjoy the convention that much more when you know you had a hand in making it a success. Call me if you would like to volunteer.

Remember, if you are planning to run for the office of San Diego Section Manager (ARRL), you must have your nominating petition to ARRL Hz, By December 10. I have the necessary forms. Let's give the voters several choices.

The club sponsors the Ham Radio-Computer-Electronic section of the Swap Meet in Oceanside on the second Saturday of each month. The more buyers that come, the more sellers will be interested in

bringing their stuff from the garage. Also, this is a great time to socialize, get up a group breakfast, and avoid having to cu the lawn. Come on out!

We are organizing a Telephone Committee to call club members to encourage turnouts to meetings, emergencies, and the like. We hope to divide up the areas so no one would have to make a toll call. If you would like to be a part of this, see Tim Low, N6ZUC.

73, Harry Hodges, WA6Y00

===== E L E C T I O N S =====

The club's 1994 election of officers and board members will be held December 1st, 1993. The nominating committee this year consists of: *Dennis Vernacchia-N6KI, Benton Caldwell-KK6LX, Ron Miely-KM6MW, and Mike Doyle-AB6QT. (* Acting Chairman)

The following slate of officers will be presented to the club at the November meeting: PRES (Harry Hodges-WA6Y00), VP (Art McBride-KC6UQH), SEC (Nash Williams-W6HCD) TREAS (Jennifer Thieme-KM6WG); DIRECTORS(2) Rick Zimmermann-KC9LV with the remaining board member position yet to be filled.

The present club officers will serve until December 31st 1993 and the new officers are encouraged to attend the December 9th board meeting for an orderly transfer of power.

The three directors APPOINTED by the president for 92-93 were: John Kuivinen-WB6IQS, Stan Rohrer-W9FQN, and Ralph Powell-KC6WAN.

Club members are reminded that the club will accept at the November meeting nominations from the floor for any of the above elected positions but you must have the PRIOR approval of the person you are nominating.

===== R E C O G N I T I O N =====

MAC-N6BA for the donation of a large number of 6A-12vdc alternator whine filters which PARC will only sell at the Oceanside Swap Meet. Mac also donated 1,100 crystals to the club which surround the amateur UHF

and VHF bands ..but not in them. If anyone knows of a way to turn these into \$\$, please contact ur Editor. WOODPS! Forgot the SIEMENS T-1000 RTTY send-receive system with chadless punch-reader and computer type keyboard and screen donated.

BILL-KB6MCU for the donation of a 2m pass cavity to be used on the 147.13 repeater.

A SK Ham for the donation of a 4-section 10-35' crankup tower which BILL-KB6MCU and HARRY-WA6Y00 picked up and took to Hillside Electronics (W9FQN). This will make a great portable tower for emergency use.

JOHN-WB6IQS for reams of paper

calculating frequency programming of a N6BA donated transceiver to be used in a PARC project.

(Darn, lost sheet with donor's name & call!) for the donation of much needed tools for the repeater site: 2-solder irons, 1-hacksaw, small screwdriver set, -screwdrivers (large to small), wire stripper for large wire (need small one too), 1-electric drill, solder, extension cord, and 1-adjustable pinchers (need one more- two position). All the tools will be painted a bright orange to keep track of them. We still could use: hammer, sledge or HEAVY hammer, drill bits, tool case,

wood saws, wire cutters, etc.

IVAN-N60LE for the donation of many electrical parts which were sold at the club's auction. W9FQN pulled out of the pile several switches which will be used at the repeater site to help measure the voltage across each of the 14 1,680 Ahr storage batteries. (It is important to keep each of the batteries at the same voltage so that we know when to give the batteries a 24 hour "pulse" charge to equalize their voltages.)

*Happy
Halloween*



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5375 KEARNY VILLA ROAD, SAN DIEGO

***** NEWSLETTER HELPERS OCT *****

KI6JM, Jack Hanthorn, folding, Refresh.
KC6WAN, Ralph Powell, printing, labels
KC6QBD, Dick Gearhart, . folding
WD6WDD, Steve Robinson, . labels
WA6Y00, . Harry Hodges, . Staples
KD6VAN, . Bob McNally, . folding
W6OLQ, . John Tentor, . billing
W6TFB, . Lloyd Hunt, . folding
KB6YHZ, . Art Nye, . folding
W9FQN, Stan Rohrer, Editor, PO Forms
KB6NMK, Jo Ashley, Ad Designer

***** AUCTION *****

DENNIS-N6KI and his gang of eight saw to it that the club made money: \$312 (\$234 from PARC equipment (much of it donated) and the rest from 10% of the selling price). As usual, Dennis had everything well organized so that the auction of the 175 items went

smoothly with \$1,026 worth of items sold. Many of us got rid of BOAT ANCHORS and many went home with things we could not "live without." (your editor has never been able to figure this statement out) There were unconfirmed reports that some of the items were the same ones as seen during the past two years! Dennis's little elves were:
MONEY: RON-WI6B.
RECORDING: DENNIS-N6KI, TERRY-N6UZH,

& ORLANDO-N6QVW.
 RUNNERS: RICK-KC6LV, DUANE-KC6QHU &
 ART-KC6UQH.

CHECKS: HARRY-WA6Y00.

AUCTIONEER: Steve Kerrin-WA6CDU.
 This is Steve's fourth year acting
 as auctioneer for PARC and we are
 greatly impressed with his
 auctioning ability and his timely
 wit in describing some of the
 equipment in most eloquent terms.

Some of us must have come late
 because we missed the "dancing
 girls" that are always promised by
 Dennis.



~~~~~  
 P I C N I C ~~~~~

At the last moment the weather  
 cooperated and we had a nice day  
 after rain the previous day and  
 showers Sunday morning. The picnic  
 is usually in August but it has been  
 so hot then that it was decided to  
 move it to October ..and it was a  
 little too cool. Guess that it will  
 be September next year??

A good time was had by all with  
 some having a better time than  
 others: BILL-KB6MCU (\$100), SYBIL-  
 W6GIC-(\$50), DAVID-KC6YSO-(\$25),  
 MARK-AA6TR-(\$25), KD6LRA-(\$25), and  
 ???(\$25). Others winning prizes of a  
 \$30 Allinco gift certificate or ARRL  
 books donated by the Southwest  
 Division Director, FRIED HEYN-WA6WZ0  
 and his wife SANDY-WA6WZN: KC6VEC,  
 N6QVW, N6ALA, N6QVW, KC6QHU, WB6WGT,  
 KI6IM, N6ZUC, KM6MW, KB6YHY, K6YGK,  
 KC6UQH, AB6QT, KM6WF, KC6JXY, N6KI,  
 WB6PKK, KD6LRA, and BARBARA-KA6FPS  
 who won a Teddy Bear (donated by  
 MARVIN-WD6YJB's wife Gerry) gave it  
 to a charming young lady of 6 years  
 old.

TIM-N6ZUC gave a demonstration  
 of portable packet radio to those  
 who were interested and ART-KC6UQH,  
 assisted by TIM, conducted antenna  
 measurements to see how your HT  
 antennas compared to a standard  
 antenna.

Attending were 48 members and  
 15 guests for a total of 63 although  
 ur editor remembers seeing at least  
 8-12 others who did not sign-in  
 ..and some even won prizes!

About 20 members attended the  
 instruction group on the autopatches  
 given by STAN-W9FQN.

Approximately 15 members  
 completed the DFing instruction by  
 STAN and participated in a hidden  
 transmitter hunt with MIKE-AB6QT 1st  
 and VICTOR-KI6IM 2nd. They took the  
 attitude of "let-us" find it and  
 they did in about three minutes in a  
 "lettuce" dish.

ran smoothly. The following helped  
 with the food: SYBIL-W6GIC, BARBARA-  
 KD6ECD, ART-KB6YHZ (coffee and  
 utensils), and BARBARA-KA6FPS.

The picnic is a wonderful  
 opportunity for club members to meet  
 and talk with each other in a more  
 relaxed atmosphere. We wish that  
 more of our club members would come  
 to the picnic. If you have any  
 suggestions on making the picnic  
 more universal, please contact an  
 officer or board member.

#### ===== WORK PARTIES =====

If you are on a work party,  
 make sure that it is reported to the  
 editor.

(9-26) Another great day on the  
 mountain! ART-KC6UQH installed  
 heliax connectors on the new lines  
 hauled up to a 2m4bay and to the  
 70cm4bay plus correcting a  
 sensitivity problem with the 147.075  
 repeater.

DAVID-KC6YSO painted, worked on  
 the DC wiring, and AC wiring to the  
 outdoor rack.

MIKE-AB6QT helped supervise the  
 moving of the 146.730 repeater an-  
 tied in the autopatch and control  
 lines. Its really more complicated  
 than this sounds.

MIKE-KD6IVH, a new ham, is not  
 so new in experience having worked  
 around electrical systems for years.  
 He also was "top" man on the tower  
 for the first time helping with  
 installing the new Heliax runs to  
 the 60' level.

MIKE-KN6IP painted and did many  
 odd jobs around the site.

JOHN-WB6IQS drilled holes,  
 worked on the DC wiring in the new  
 building, and helped out by  
 answering thousands of questions.

TIM-N6ZUC dug ditches for the  
 new control lines to the new  
 building, installed control cable,  
 and helped as needed.

STAN-W9FQN as usual was all  
 over the place and helped on the  
 tower at the 60' mark tying down the  
 heliax on special numbered crossarms  
 so that we can keep track of th  
 runs better than when they are in-  
 "bundles."

(10-3) This Sunday's work saw

## The Fishing Hole

at Oceanside Swap Meet  
 No 3. Row 14, Space 1&2

QRZ QRZ  
 Fishing Hams

**Bait Pumps**  
**SAVE \$\$\$**

**Pump your own bait**  
**from the surf**  
**at low tide.**

*Ghost Shrimp, worms,*  
*sand crabs, etc.*

~~Regular \$39.95~~ Hams \$19.95

**Free Brochure!**

**National Brands at**  
**Discount Prices**  
**Full line of tackle items.**

**P.O.Box1020**  
**Carlsbad, CA92018**

**W7HKI Larry**  
**W7HKL Maxine**

**10% of all sales**  
**to PARC members**  
**goes to our club**

RALPH-KC6WAN helped STAN-W9FQN  
 hand out participation tickets.

ART-KC6UQH was in charge of the  
 picnic and saw to it that everything

the completion of the moving all the autopatch equipment to the new building: 146.73, 147.075, 147.13, 449.425, and the main autopatch system electronics. We were all surprised that the move over the past month went so smoothly with the loss of only one autopatch connection (146.73) for a period of seven days. We were also very pleased to find that everything worked better after the move than before. It again was another Sunday of leaving for the mountain at 9am and getting back off the mountain around 8pm. Really long hours but the move has been completed. We only have left several small items on the tower and the completion of the ground system which will probably be one of the best ground systems on a mountain top ..but then nothing really stops a direct hit ..you just try to prevent as much damage as possible after it hits.

JOHN-WB6IQS and ART-KC6UQH moved the 449.425 repeater to the new building and apparently solved a irritating "motor-boating" problem. The repeater is working the best that it has ever worked.

JOHN was all over the place answering questions that everyone always seems to have and giving an instructive tour to SUSAN-N6QDB, one of W9FQN's daughters, of the duplexers and cavities. JOHN also left manuals and schematic diagrams of equipment at the site so that techs would always have handy the most current information for the repair of equipment. JOHN also worked on the 15vdc charger system.

SUSAN recently joined MACAW electronics as their sales representative to Latin American and all Spanish speaking countries. She is finding she needs a whole new Spanish vocabulary from what she learned in school and her travels to Latin American and Spain: pre-paid, duplexer, tone encode, COD, etc.

ART again was our expert on putting heliax connectors (\$25 each) on the new heliax runs plus giving Susan a few pointers.

DAVID (as always) traveled the furthest and was the right hand

man of anyone needing an extra hand. He was especially valuable in helping the tower crew and the tree cutting operation.

MIKE-KN6IP helped everyone out as needed and was able to talk to the Techs about the addition of a 10m packet digipeater to the site which he has shown interest in working on. We will be using one of the seven radios donated by MACAW Electronics.

to pick it up at the end of the day.

MIKE-KD6IVH and STAN-W9FQN were up in the air most of the day. First it was climbing trees and cutting out branches that were too close to the tower or were such that if they fell they would hit the tower or a guy line. On the tower Mike connected up the 449.425 new repeater heliax line to the new building and they ran a spare heliax line to the 55 foot level for emergency use with the addition of a jumper. Mike took down an old control antenna and removed several hanks of coax.

MIKE drove in a large number of ground rods for later connection to the grounding system being installed and STAN and DICK-N6QBD (always get that call mixed up with my daughter's) worked on filling up the hollow ground rods with Magnesium Sulfate to improve the conductivity of the poor soil found on Palomar Mountain in most areas. Four rods took 16 pounds of MgSO4 plus 30 gallons of water ..and they still ran dry!

DICK also was a "right-hand" man to anyone needing help.

We have been looking for bushes that would grow on our site but have found none. We have discovered if you cut down an oak tree that 30-40 small branches grow out of the 3' stump which make a bush within a year that needs to be trimmed. The strategy now is to leave the tall trees near the incoming road to block out the view of the 80' tower and antennas and to have small bush like growth near the buildings to take out the structures ..all in an attempt to be a good neighbor to those around us.

(10-10/11-93) MIKE-AB6QT sawed up and removed most of the trees previous cut down and was assisted by BARBARA-KD6ECD on the 10th.

===== R E P E A T E R S  
=====

ART-KC6UQH advises that the new controller on 146.73 besides sending W6NWG/R every 10 minutes of use also adds "PALOMAR" in Code every 4th ID. =SK=

**Need a new QTH  
or  
want to sell yours?**

**Call Clara Ziegler  
943-8366  
to be your agent for  
north county coastal  
properties**



Expect the best.



**Pete W3ARU's XYL**

**Jennifer A. Thieme  
KM6WG**

**Bookkeeper  
Accountant**

**(619) 599-1134**

**770 Sycamore Ave. #J-126  
Vista, California 92083**

JIM-KC6PAS brought over to the site his 20' extension ladder for the tree trimming group and returned

According to SYBIL-W6GIC and BILL-KB6MCU who went to the last TASMA meeting, PARC received coordination from TASMA on 147.075, 146.7 (RTTY), and 147.13 although we have not received official papers on TASMA's action. =SK=

IT SEEMS THAT NO MATTER HOW OFTEN WE TELL YOU --- SOME OF YOU (a very few but enough that could start us on the road to problems at this time) STILL HAVE TO ACKNOWLEDGE SOMEONE CAUSING INTERFERENCE (feeding the MONKEYS) WITH COMMENTS SUCH AS:

- 1)"someone keeps stepping on you" or keying down on you."
- 2)"someone is playing games with the repeater."
- 3)"wonder what that string of touch tones was about."
- 4)"someone was on the repeater this afternoon causing interference."
- 4)"did you hear that interfering station?"
- 5)"someone should contact a control operator."
- 6)"I have a bearing on him" or " the Dfing team will find him."
- 7) the repeater keeps "timing out on me." It should, you are probably talking too long or a creative jammer is "adding" to your talk time. You might want to ask why it only happens when YOU are on the air.
- 8) In the middle of a transmission, you say, "RESET" which EVERYONE but you knows is a "NO NO."
- 9) The repeater sure is not acting normal today ..or has problems.
- 10)Have you heard the problems on 145.22? Isn't that just terrible?
- 11)"They really use bad language on that repeater. Isn't that terrible?"

===== THESE ARE COMMENTS A JAMMER WANTS TO HEAR!!!!!!!!!!!!!!!!!!!!!!

HE WANTS TO KNOW YOU GET WORKED UP!

===== DON'T BE A MONKEY AND TALK ABOUT THE MONKIES =====

If the person you are talking to insists on talking about jamming or jammed repeaters in L.A. (ie, 145.22, 147.435, etc.), change the subject immediately or excuse

yourself and get off of the repeater. PARC has several potential problems that it is working on at present. PROTECT OUR REPEATERS! Don't let something get started.

## R-X Noise Bridge



- Learn the truth about your antenna.
- Find its resonant frequency.
- Adjust it to your operating frequency quickly and easily.

If there is one place in your station where you cannot nsk uncertain results it is in your antenna.

The price is \$79.95 in the U.S. and Canada. Add \$4.00 shipping/handling. California residents add sales tax.



Send for FREE catalog describing the R-X Noise Bridge and our complete line of SWR Meters, Preamplifiers, Toroids, Baluns, VLF Converters, and Loop Antennas.

## Palomar Engineers

Box 455, Escondido, CA 92033  
Phone: (619) 747-3343

Don't even talk about jamming ..even if the jamming is on another repeater. We don't want to even give a listener a =THOUGHT= about the possibility of jamming on our repeaters. Most people who get jammed get jammed because they are conducting themselves differently than others who use the repeater and who do not get jammed.

If PARC had a Dfing (direction finding) team out looking for a jammer (we have a good one), the last thing we would want is comment like #6. How can we find him if you TEMPORARILY scare him off the repeater while we are looking for him? =SK=

===== AUTOPATCHES =====  
de W9FQN

NEW MEMBERS should request an AUTOPATCH INFORMATION SHEET describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY ..or see me at the next meeting. =SK=

WOOPS! KD6CDM discovered an error in the autopatch information sheets. The prefix 980-9 is correctly listed as area (3) on the two page handout but incorrectly listed as area (2) on the small card handout. PLEASE MAKE THAT CORRECTION ASAP to the small card. =SK=

Members are reminded that the autopatches are for emergency use but we have no objections to you using the patch while mobile to get other hams up on frequency or to tell the wife that you are going to be late coming home because of UNEXPECTED traffic.

You should not use the patch to say "I have just left the office and I am coming home." That implies that you were NEAR OR AT a telephone and could have called from the office. You should not use the patch to discuss what you are having for dinner or what types of sandwiches everyone in the family wants from the fast food store.

It is CLUB POLICY that you have to use the patch in NON-EMERGENCY situations for practice so that YOU CAN USE IT DURING EMERGENCIES.

PARC reserves the right to limit a member's use of the autopatch system if it determines that a member is not using the autopatch system correctly. Use of the autopatch system is a PRIVILEGE and not a RIGHT!

Please do not give us reason to put your telephone number on the computer DROP LIST. If it ends up

## FREE ADS FOR MEMBERS

there, you will probably be notified. Your patches would be dropped after you dial the telephone number of where you last made a BAD CALL and you would be returned to a DIAL TONE.

**FORE SAIL** =====  
Yawl come!



Phone or send ads to Editor's QTH, W9FQN, (see Editor) before the 20th of the month with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members. Commercial ads are \$40/page to \$5 for business card size per month or 25c/line for commercial. Pse send ur cpy as you want it for a 36 space line. =SK=

PALOMAR AMATEUR RADIO CLUB:  
(ask for Stan, 749-0276)

\*\* Kenwood 8.4v, 450mAh PB-26  
w/2 battery inserts

\*\* MSY Motorola repeater on  
465MHz, no cabinet, \$40\*\*

Fiberglass rowboat gud 4  
trans-Pacific Xing

\*\* Shielded 300ohm twinlead

\*\* Db1 Shield 75ohm coax

\$700?: SELLING the 54' heavy duty crank up tower (heavier duty than a W-51). Looks like it never has been used ..even by two little old ladies ..or three. Has two cranks (one for each hand) on it and needs one more for turning both of them. Cranky club members 1st at \$400, others \$500: W9FQN for PARC 749 0276 VC. (Call for gud price! - Ed)


PARC SELLING STANDARD LF-06 (14v 6amp) line filter chokes to remove alternater whine from your mobile rig \$2 each at Oceanside Swap Meet: Stan W9FQN 749 0276 VillyCtr.

(10-21) G5RV ant \$35; Hustler 4BTV Vert ant 10-40m abt new \$65; Bencher low-pass filter 1.5kw \$30; Duane AA6EE 789 3674 Ramona.

(10-16) Tony-K3UKW again has a list of used gear. Contact W9FQN with yellow box at club meetings to see the list: Stan W9FQN 749 0276 VillyCtr.

(10-15) Kenwood TS-940SAT w/Sure mic mint \$1200; SB220 Linear

Amp 2kw PEP 10-80m 2ea 3-500Z's exc \$425; SB610 monitor scope exc \$85; Henry 3KA linear amp w/3-500Z's 10-80m 2kw PEP \$850: RFKris W6KTE 941 3555 Vista.




### CONTE'S ELECTRIC

*Industrial  
Commercial  
Residential*  
Lic. # 556187

(619) 749-2699  
*Joseph Contogenis*  
P.O. Box 1560  
Valley Center  
CA 92082

**NU6L**





**Joan Lovell**

**(619) 673-8500**  
**Fax (619) 673-9070**

11885 Carmel Mountain Rd., Suite 905  
San Diego, CA 92128

(10-10) Kohler Electric Plant 120vac 60cy at 1800rpm 7.5kw 32vdc remote start \$700: John KD6TLF 747 9431 Esc.

(10-8) Solarcon A-99 10/17m antenna \$45; Flyte-Craft 10m ant \$45: Carl N6HLY 487 6272 SD.

STOLEN: Alinco DJ580 2m/440 SN 0017662 call KD6QHF 721-5020.

(9-2)RG-8, new copper shield

20 cents/ft: Jim KA60LZ 434 1391 Carlsbad. (8-30) COLLINS S-Line 75S3 & 32S-3 winged emblem gud cond \$300 ea: Pete K6JQE 755 4838 Solana Beach.

=====

HIGHWAY ELECTRONICS: parts, (new/old), military. Ask 4NICK 967-7225 2 C if open (10-3pm) 305 WISCONSIN AV. OCEANSIDE CA

=====

(7-8) Commodore C-64 computer complete ex cond monitor 2-drives 2-printers 80col card mem-exp card software RTTY interface, inst books all \$200: Henry N6JWF 945 1247 Ocsd. GOOD WAY TO GET ON RTTY AND RUN CODE!

=====

1994 CALLBOOKS (available 11-29-33): North American, \$25.95; International \$25.95. Both \$49.95; '94 ARRL Handbook \$23.95. Bencher Paddle BY-1 /blk \$59.95. Postpaid + tax: Duane Heise, AA6EE, 16832 Whirlwind, Ramona 92065. Phone 789-3674. (PdAd)

=====

6-18) Drake w4 wattmeter .2-2kw scale \$55; Tentec squeeze keyer \$55; battery charger D-A-C cost \$30 now \$9; mobile 3.5" cone spkr \$8; SCANNER R/S mobile + 110vac w/mt bracket w/out of area xtals UHF/VHF \$20; E Voice Mic 674 W/stand & cord \$25: Larry W7HKI 439 5855 Ocsd.

(5-6) Realistic DX-100 rcvr .535-30MHz best offer or \$45; CB Sonor Mod "E" xcvr \$5: Bob KC6V DX 758 9078 Vista.

(4-22) Collins KWM-2 w/pwr sup \$550: Lou ND6W 437 8351 Coronado.

=====

IF U SOLD OR BOUGHT AN ITEM, LET UR ED KNOW SO HE CAN REMOVE THAT PART OF THE AD. PLEASE, ONLY CURRENT ADS!

=====

TUBES for sale ..all kinds ..all sizes ..part of PARC tube yard: Dave WA6HQM 753-2605 Encinitas.

\*\*\*\*\* WANTED \*\*\*\*\*

"a few good men"

PARC WANTED LIST:

(tools repeater site)  
Screw drivers all types, pinchers, pliers all types, wrenches,

strippers, heavy and light duty solder irons.

(7-17) Manual to be copied by me for Regency HR-2b FM xcvr: Stan W9FQN 749 0276 Villy Ctr.

(6-18) Manual for HeathKit HW-101 or copy. Need help for new ham club: Larry W7HKI 439 5855 Ocsd.

(5-?) Model 28 dual speed RTTY: Dee N6ELP 753 5647.

(4-30) Yaesu 757 Computer Interface: Tom KC6ZRW 943-0079 Encinitas.

(4-5) Need 730 or 520: Hod Luhn W6UCN/7 406 763 4576 Montanna.

(3-25) Swan MARC II linear for parts: Duane WB6R 753 4821 Cardif.

(3-25) ICOM pwr sup PS-35: Dennis N6KI 271 6079 Mira Mesa.

(3-1) Kenwood receiver R1000, R2000, Yaesu FRG8800, Drake R-8 etc: Henry Palmer 744 6187 San Marcos.

=== F I E L D D A Y 1 9 9 3 ===  
de Dennis-N6KI

THE FIELD DAY PIZZA BASH will be held November 14th at 6pm in Escondido at Felippies (114 West Grand) to celebrate winning class 5A three years in a row.

Remember that if you were listed in the October SCOPE that you are invited and you were to have RSVP'ed to Harry-WA6Y00 by Oct. 24th. This is a BYOD occasion with guests above 12yr \$4 and below 12 years old \$2.

=== S W A P M E E T S / N E T S ===

OCEANSIDE: Meets on the 2nd Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers \$13. If you are selling only a few items, you might want to double up with others to reduce your individual sellers cost. You might also want to check with Harry-WA6Y00 for any discount coupons he might have.

===== M E M B E R S H I P =====

Ralph-KC6WAN Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information

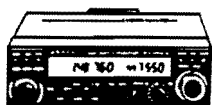
sheet should send W9FQN a self-addressed envelope (SASE) requesting same (see Editor's address).

Club membership rosters are published free in September or October of each year but are available to club members now for 25c at meetings (CALL 1ST) or 50c thru the mail. (December this year!)

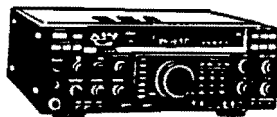
Membership is again over the 700 mark.

- AMATEUR RADIO
- CB RADIO
- MARINE RADIO
- TRANSCEIVER REPAIR

CALL  
**439-9715**



Complete  
Professional  
Repair  
35 Yrs. Exp.



**RF REPAIRS & SERVICE**  
S.T.C.R. SHOP



**Handi Holder**

- Perfect for setting your hand held radio or hand held scanner in
- Mobil or home use
- Powder coated steel construction
- Padded
- Lifetime warranty
- Custom applications available

**\$14.00** and up  
**\$3.50** shipping

**745-9952**

John, KD6MKH  
P.O. Box 3470, Escondido, CA 92033

\*NEW/RENEWED:

- 2 years -

N6AFB-Bob, KE6BJA-\*Solon, N2BV-\*Russ.

- 1 year -

KE6ARL-\*David, N6BA, KE6BSV-\*Tim, KE6CBM-\*Mark, KE6CDI-\*David, KE6GJU-\*Mike, N6GJW-Russ, W6JSP-Floyd KD6KQJ-\*Conrad, KD6KXH-Dick, KN6RG-\*Gordon, KC6UZF-\*Logan, N6FVV-\*David, KD6WQK-\*Mark,

CHANGES: N6OLE-Ivan to EXTRA!; KC6ZUW-Dick (lost); KE6BWK-Joyce (new call), KE6AFH-Bernard (new call); KE6BUQ-John (new call); KB7RAG-Mike moved to Dana Point.

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

\*\*\*\*\* TOP 20 \*\*\*\*\*

- DXCC and W.A.S. -

CALL	WORKED/CONFIRMED	STATES
1 WA6Y00	314 313Ph	50 50
2 AC6V	303 299Ph	50 50
3 WA6Y00	234 233CW	
4 WA6HYB	202 194CW	50 50
5 AA6EE	200 180	50 50
6 WB6NBU	181** 145	50 50
7 KI6JM	193 136	
8 AC6V	134 134CW	50 50
9 WA6Y00	120 120RTTY	
10 KC6QXU	95 86***	50 50
11 W6EYP	37 13%	50 24
12 AC6V	56% %	50%50
13 AA6TR	1* CW	
14 W9FQN	1 Ph	1
20		

\*= 1 watt \*\*\*= 10m only %=8watts

\*\*=120 w/AEA isoloop in attic

%=10-20m, dipoles 12' off gnd!

Please send in your WORKED-CONFIRMED and STATES to the editor for publication so we can see who the top 20 are in the club. Break them down by phone/CW if possible.

When you are in a contest please send ur editor ur scores ASAP after being published.

===== 5 Y E A R S A G O G O =====

11-88: ..mounted crossarms on 80' tower ..starting Ham Help net ..club survey ..tnx to Frank-WD6HFE for donation of 12 batteries ..Gerald-WA6PJG SK ..folding and

stapling of SCOPE by KI6ZM, W9FQN, N6COU, W6TFB, WI6B, and K6HAV.

===== V E T E S T I N G =====  
(Rusty-AA60M 747-5872)

N.Co.FCC LICENSE EXAMS by PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs East) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted. VE info: call 465-Exam.

610 forms available: HRO, 5375 Kearney Villa Rd. or at club meetings.

OCTOBER 9th TESTING: 9 candidates, 14 elements, 9 passes & 3 no shows.

GEN->ADV WB7BEF

NONE->TECH Howard Brandell, Chris Martin, & Gary Vreeken.

OTHER: KE6AFH(4A).

AUG.EXAM TEAM: N6RUV, W6HYC, N6ZUC, KE6VX, KM6WG, & AA60M.

73, Rusty-AA60M, VE Team Leader

#### - N E T S -

If you are interested in becoming a part of the 8pm San Diego Co. Traffic Net (SOCTN), remember that you need to request EACH EVENING net control to add you to =THEIR= roster. Joe-N6RV0 is still looking for stations that can work into the 146.82 repeater to the north of us to handle SCNV traffic. This is where a remote base would come in very handy. =SK=

The Spanish net on the 2nd and 4th Wednesday is looking for more participants and if you have problems with your computer, remember to check in to the Computer net on Thursdays. This are all at 9pm on 146.73.

#### ===== N E W S =====

Contributions to =NEWS= should be sent to your editor by the 20th of the month. =SK=

-----Tour de North County-----

JOHN-KD6PZE, MIKE-KD6RFJ, and PAT-KD6PZB helped with the radio communications during the recent "Tour de N.County" bicycle tours which started at Rancho Buena Vista HS in Vista October 10th. There were

five separate tours in all with the longest being 75 miles and the shortest tour being 5 miles. There were approximately 3,000 riders who participated.

Pat was net control at the High School with Mike starting at San Marcos and John at Valley Center. There were three missing persons, 10+ bicycle break downs, six accidents with three being major, and many bike transport requests.

to thank "Shorty"-K6JSI for the use of his closed UHF repeater system that make it all possible. (de KD6PZB) =SK=

The North County YL (young ladies) Club meets every other month at members homes. Meetings are usually held on the fourth Saturday of the month at 11:30 A.M. A potluck luncheon is shared by members and any OM who cares to attend. The OM have their own gathering and fellowship while the ladies have a short business meeting. For information on the next meeting please contact Dee-N6ELP at 753-5647 or Marguerite-W6LND at 492-9512. =SK=

KC6MVG-Cappy who is now Captain of a boat going over to Catalina Island reports that in the past he has hit the 146.73 repeater with his handheld from 200 miles south of San Diego and 200 miles out into the Pacific. =SK=

(de Dan-WA6HYB) The U.S. Coast Guard broadcast its last Morse code message to mariners this past month which advised mariners of sea conditions, weather forecasts and navigational warnings. =SK=

(de W5YI Report) The new FCC "business amendment" permits licensees to use the amateur service frequencies to assist with public service communications at races, parades, and educational activities. Personal communications which will no longer be prohibited including making appointments, ordering food, and collecting data for the National Weather Service.

You could order pizza but you cannot call in late to work. You probably could call your wife saying that "you are stuck in traffic" and she would know that she was supposed to call into your work place saying that you would be late be cause of traffic. If your being late caused people to be placed in danger, you could call in late but you probably should let those on the air with you know that danger is trying to be avoided.

Repeater owners (PARC) can choose to go by more strict rules on what can be permitted but they

## REGISTERED U.S. PATENT ATTORNEY

723-0620

Loyal M. Hanson - W9WV  
Filibrook, California



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!



Radio systems installation, repair and removal, and interference resolution.

Edward Ross, N6GZI  
542-1405

# Antenna Specialties

They hope next year that more club members will participated in the rewarding event. They also wish

cannot be more permissive than the FCC ruling. See QST for the complete ruling. =SK=

The following nets are used by approximately 800 cruising boats off the Mexican coast during the winter months:

(de Lee DeForest ARC, Roy-KN6FP)  
 Time FreqMHz Net Days Area  
 0000 3.968 ZeroHappyHr All Mexico  
 0200 14.300/313 SeafarerAll W.Coast  
 1400 3.968 Sonrisa All Mex/W.C.  
 1430 7.294 Chubasco All Mex/SWUS  
 1500 7.238 Baja All Mex/SWUS  
 1830 14.340 Manana M-Sa W.US/E.Pac  
 2200 21.402 PacMaritime M-F Pacific  
 2200 21.412 MarMobilServM-F Pacific  
 Times adjusted with Daylight Savings

Contact Mark-AA6TR for information on some of the marine nets he participates in during the week. =SK=

### - FCC UPDATE -

Effective Sept 13th the FCC was saying that it is permissible for you to order Pizza over the autopatch but you cannot call into the office or a hotel and say that you are going to be late for an appointment ..or late to work unless it puts individuals in danger.

The FCC says that individual repeater owners (PARC) CAN INFORCE STRONGER RULES if they want to do so on "business communication". PARC will let you know if it is against the new FCC "Pizza Rule" after the next board meeting.

Asking your wife about what to pick up at the grocery store is probably a third party communication and will need to be addressed at the same time as the "Pizza Rule." What do you think?

(9-22) A marine (non-club member) checked into the 146.73 commute group asking for and autopatch (it was down that week due to the repeater moves on PM) to call his commander saying that he was stuck in traffic which fits the FCC definition of calling in to your place of business to say that you are going to be late. But then we have the problem of whether one considers the Military as a place of business!

## Worldradio 12 issues

Pg. 10 **520 Calvados Ave.** BOARD MTG THUR, NOV.11th, 1900 Hr, WA6Y00's QTH  
**Sacramento, CA 95815 \$14.00**

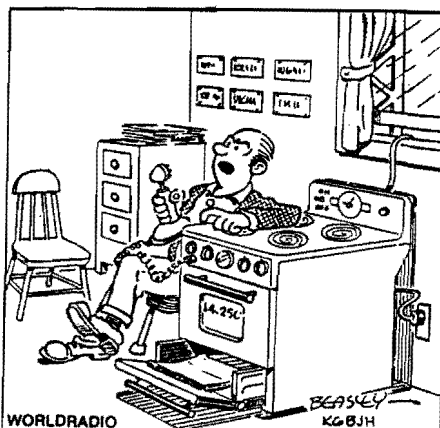
### ===== TECHNICAL =====

Ur Editor will accept items submitted by the membership

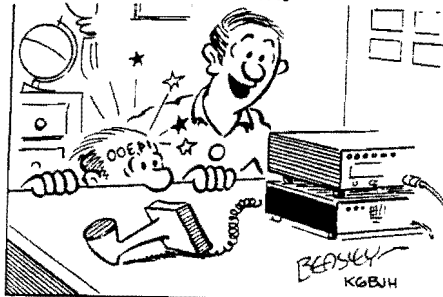
Watch out for the NEW RECHARGEABLE ALKALINES! Over a period of four years it is estimated you'll spend \$331 on alkalines, \$95 on rechargeable alkalines or \$6 on ni-cad rechargeables as used in a Walkman two hours per day! (clipping de Ivan-N6OLE) =SK=



WHAT DO YOU MEAN "WHAT IS IT?" IT'S A GROUND ROD, YOU IDIOT!-- YOU SET ME UP A BRANCH OFFICE RIGHT UNDER SOME HAM?



BOY, IT REALLY BUGS ME WHEN SOMEONE CALLS ME "JUST AN APPLIANCE OPERATOR!"



BOY, THAT READOUT REALLY JUMPS RIGHT OUT AT YOU, DOESN'T IT?

The following is de Larry-WA6UTQ who sent in a pkt mssg from a BBS: SURGE @ ALLUS, KA6CGB @ K7BUC.  
 "These were small plastic boxes

with a MOV (metal-oxide varistor) inside. I am not sure if they were U.L. approved.

The failure mode of MOVs is to short out. They have been known to start fires and to explode when they have absorbed their full lifetime capacity of energy. They should not be used in circuits that are not fused (circuit breakered) properly.

The UL rating may not mean much, but I suspect that devices containing MOVs would tend to include their own fuses (breakers) and to contain any flames or explosions. This does not mean that fire and/or explosions are prevented.

The best advice (however late) would be to know how these devices fail, and act accordingly.

Incidentally, there is no way to test these devices to determine how much life they have, or even if they are about to short, without using rather sophisticated test equipment." =SK=

### - FUNNIES -

Contributions to this column are encouraged - W9FQN.

#### THE ANTENNA MYSTIQUE

by Ivan-N6OLE

When I passed my ham exam, I was very intelligent

I knew antennas - from simple to elegant

I'd mastered the math - the formulas, too

I could do all the calculus - even add 2 and 2!

Entangled today in co-ax and long-wire

I wonder "What happened?" back there-

Nothing works like the book - so it seems

I sometimes think the exam was a dream!

So I salute the designers who do it with ease

They stir in some L's, some C's and some Z's

Sprinkle lightly with j's and let it all stew

The results are magic - it's

called a home-brew

I must confess, the mystery's  
gettin' me down

I'm seriously thinking of  
lookin' around

To find a new hobby without any  
stubs

Not even a guywire for power  
lines to rub

But, I guess I'm a ham 'til the  
day I die

So, I'll climb that tower for  
one more try

Then, I'll work the whole world  
with my key a'tappin'

While sitting here thinkin'  
"How'd that happen?"

=SK=

Chuck-KI6TH to Stan-W9FQN at  
the 60' level of PARC's tower on  
Palomar Mountain: "Well, I can tell  
that Ed (N6GZI) was here." (After  
several hours working on the tower  
your editor thought it was a  
hilarious remark) =SK=

Ed-N6GZI is past president of  
PARC and was also one of the club's  
main tower climbers several years  
ago. Ed always wrapped all of his  
connections with a roll or two of  
electrical tape which makes a good  
water tight joint but is real  
difficult to unwrap at altitude when  
you are tired and cold. (Ed does  
antenna installations and advertises  
in the SCOPE)

===== LETTERS to the EDITOR =====

Ur Ed & Board reserve the  
right to print letters and  
edit as needed.

(de Bill-N6GZ) ref Victor-KI6JM  
Aug letter in SCOPE ..sent following  
letter to ARRL on RFI in Toyota  
autos ..for more info contact me on  
PARC 449.425 or 443-8775 before 9pm:

..recently purchasing a Lexus  
ES300 ..similar to the Camry ..a  
paragraph from a page in the Lexus  
service manual reads "If vehicle is  
equipped with mobile radio system  
(HAM, CB, ETC); The electronic  
Control Module (ECM) has been  
designed so that it will not be  
affected by outside interference.  
However, if your vehicle is equipped  
with a CB radio transceiver, etc.

(even one with about 10W output) it  
may, at times, have an affect upon  
ECM operation, especially if the  
antenna and feeder are installed  
nearby." An included diagram shows  
the ECM positioned under the dash,  
near the glove box.

..I installed a remote VHF/UHF  
dual band xcvr in the trunk with a  
trunk lid mounted antenns ..I  
operate 50w VHF/40W UHF with no  
interference to the car's  
electronics.

..any dealer should provide  
service manual info indicating  
locations of the ECM, ECM wiring  
..just ask ..Lexus advises keeping  
"antenna feeder" at least 20cm  
(7.87") away from ECM wires ..this  
probably applies to the Toyota  
Camry. =SK=

(de Duane-AA6EE) Town & Country  
is first to install gates and begin  
charging visitors and guests for  
parking: \$5 for overnight guests; \$6  
maximum all day!. Duane wonders if  
this applies to Convention guests.  
=SK=

(de Jack-KI6JM) Here is an item  
that may be of interest to you. This  
morning I had a silver filling put  
in an upper tooth. When I got home,  
I discovered that when I brought my  
teeth together so that the silver  
filling just barely touched the cold  
inlay on the lower tooth, I could  
hear a radio signal. However, it was  
CW at a speed that I could not copy.  
It was driving me crazy. When I  
called the dentist to tell him about  
it, I discovered that he is also a  
ham. The outcome is that he is going  
to fix me up a cable to connect the  
tooth to my computer and give me a  
program that will decode the CW.  
How's that for complete dental  
service?

You could call him to check  
this out, but he has asked me not to  
give out his name. He can't afford  
to do this for all his patients.  
=SK=

(de Nash-W6HCD & JPL) ..JPL  
Info site stocks a variety of  
"shareware" graphics programs for  
PC, Windows, Macintosh, Unix, NeXT,  
Amiga and Atari, which allow the  
viewing of 100's of images from JPL

missions ..call 354-1333, setting  
parameters to 8 bits, no parity, 1  
stop bit (N=8-1) ..modem speeds up  
to 9600 bits per second ..use file  
transfer protocol, or ftp, to the  
address pubinfo.jpl.nasa.gov  
(128.149.6.2), then log on as user  
name "anonymous."

PC and Mac users who are on the  
institutional Ethernet can log on to  
the Public Information Office's file  
server as a guest. Mac users can go  
into Chooser, click on Apple Share,  
go to zone 180-2-Enet and click on  
server JPL-PIO, logging on as a  
guest. PC users must have Novell  
software loaded, then execute the  
command "login jpl-pio/guest" to  
connect to the site. Try README 1st.  
For more info or help with logging  
on, call O'Donnell at ext. 4-7170.  
(JPL Universe, V23N6, 3/26/93) =SK=

===== ?? NEW HAM ?? =====  
(and some old Hams?)

Please send suggestions for  
this section to your editor.

We request that you not RESET  
the REPEATER timer while talking on  
the repeater by saying "RESET" and  
then dropping your carrier. The  
timers are set for approximately 100  
seconds (it could be set for 5-10  
minutes) for several reasons. We  
want to have people keep their  
transmissions short so that others  
can break for emergency traffic  
every 100 seconds and also to allow  
for more participation. Others  
cannot talk when you are talking and  
some of you can talk for 15-20  
minutes without breathing. RESETS  
are sometimes done by those engaged  
in long EMERGENCY TRAFFIC or in  
TRAFFIC HANDLING. =SK=

Don't say "this is CALLSIGN for  
ID." Your callsign is your ID so  
forget the "for ID" junk. =SK=

"ROGER ROGER" as used by some  
hams apparently means "yes." "ROGER"  
or "R" on CW means "all received"  
and does not mean "yes" or "agree,"  
etc. Is there anything wrong with  
saying just "yes"?

"QSL" means "Can you  
acknowledge receipt of the  
information or contact?" Amateurs  
usually send QSL cards to confirm

# PARC Membership Application

AMATEUR CALL
CLUB MEMBERSHIP? <input type="checkbox"/> NEW <input type="checkbox"/> RENEW
ARRL MEMBER? <input type="checkbox"/> YES <input type="checkbox"/> NO
LAST NAME
FIRST NAME
STREET ADDRESS
CITY
STATE ZIP
HOME PHONE
WORK OR OTHER PHONE
HAM LICENSE EXPIRES
FAMILY MEMBERSHIP (List other calls and names)
CLASS OF LICENSE N T T+ G A E

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to membership chairman at club meetings. We prefer checks to cash, it's safer and you have a record. Dues are \$12 a year which includes \$3 for the Scope, or \$21 for a family all at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman.

Name, call and complete address are required. Telephone number is requested but may be unlisted in roster if you prefer.

For notification of acceptance send SASE with application or the receipt of the next newsletter mailed the last week of each month will be your only notification.

contacts. "QSL" is not used on voice contacts.

"73" means "best regards," so does saying "73s" make much sense? "Best regardses"? Just plain "73" is just fine.

The autpatches are for use by mobiles and HT's being used outside your QTH (home) although you can "practice" from home by getting another ham up on frequency.

STATEMENT of ----->

OWNERSHIP, MANAGEMENT, CIRCULATION

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Editor: Stan Rohrer, W9FQ N

Signature: \_\_\_\_\_

Are you involved in  
public service?

# SCOPE

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or using \_\_\_ 146.730 \_\_\_ 147.075  
\_\_\_ 147.130 \_\_\_ 449.425

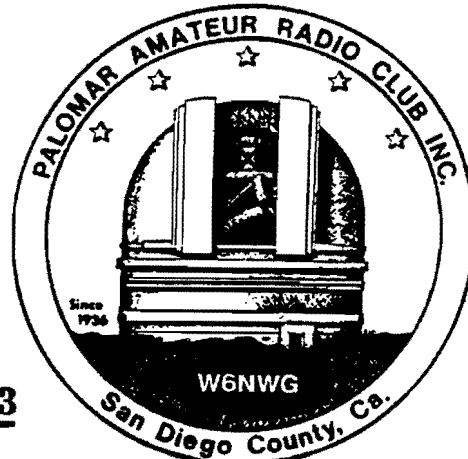
W6NWG W6NWG W6NWG W6NWG

# Scope

## W6NWG

### Palomar Amateur Radio Club Inc.

### Post Office Box 73, Vista, California 92085-0073



\*\*\*\*\*  
DECEMBER \*\*\*\*\* 1993 \*\* 57 YEARS OLD

\*\*\*\*\* Volume XIX, Number 12

\*\*\*\*\* Published every month by PARC

\*\*\*\*\* An ARRL Special Service Club

\*\*\*\*\*

DECEMBER 1st Meeting (WEDNESDAY)

Coffee 7:00pm and Meeting at 7:30 pm

Carlsbad Safety Center, Palomar

Airport road to Camino Real, East on

Faraday 1/4 mile, left to Carlsbad

Safety Center, Thomas Bro. pg.14,F6.

Talk-in 146.73\*, 147.075 and 147.130

\*\*\*\*\*

OPEN REPEATERS / CLOSED AUTOPATCHES

#### PARC FREQUENCIES USED:

145.050 Packet, W6NWG / "PALMAR" %

146.520s, ARRL National Simplex Freq

146.535s, Palomar Amateur RC Simplex

2m Simplex Emergency Portable Rpt.

146.700-, RTTY, PLed, IN = OUT %

146.730-, \*PATCH-PLed, Palomar.Mt.%

147.075+, \*PATCH, PL, Palomar Mt.%

147.130+, \*PATCH, PL, Palomar Mt.%

224.900-, PL, Palomar Mt, 220 ClubSD

WD6HFR, Palomar Mountain

METROLINK, Packet link, 9600 baud %

446.000s, National Simplex Frequency

449.425-, \*PATCH, PL, Palomar Mt. %

AUTOPATCH OUTLET CENTERS:WB6FMT-VSTA

WV6Z-MMSA;N6IZW-LMSA

\* = PATCHES on Palomar Mt. Repeaters

Covering 2,000 sq. miles of SDCo

% = W6NWG, PARC, trustee Ron-WI6B

(107.2 Hz used for all PL's)

\*\*\*\*\* Q T H ? \*\*\*\*\*

Elmers(pg2), Last Mtg(pg2),

Board(2), Pres(3), Election(3),

SCOPE Helpers(3), Work Parties(3),

Repeaters(5), Patch(6), D1D1t(6),

Sail(7), FD(7), Membership(8), VE

Test(9), Nets(9), FCC(10),

Technical(10), Funnies(11),

Experts(11), & New Ham(11).

\*\*\*\*\* C A L E N D A R \*\*\*\*\*

Dec. 1 Wed. Palomar ARC Club Meeting

= ELECTION OF OFFICERS = & bring a

can of food 4 the SALVATION ARMY

Dec. 4 Sat.SD Zoo bike Safari 146.73

Dec. 9 Thur. PARC 7pm Board Meeting

Dec.11 Saturday PARC VE Carlsbad SC

Dec.11 Oceanside Ham Swap Meet, Rd76

Dec.11 YL Meeting Fallbrook, N6ELP

Dec.17 DEADLINE FOR SCOPE ARTICLES

Dec.21 SCOPE placed in mail at Vista

Jan. 5 Wed. Palomar ARC Club Meeting

\*\*\*\*\*

\*\*\*\*\*- NEXT CLUB MEETING -\*\*\*\*\*

\*\*\*\*\*

Art McBride-KC6UQH, VP and pro-

gram chairman, has announced that

our Christmas meeting will be our

club president, HARRY-WA6Y00,

showing slides of his recent trip to

KOREA and the far east plus the

usual Christmas goodies and N6KI's

famous troupe of dancing girls.

Since our meeting will be non-

technical, we would like to have a

large number of SHOW and TELL items.

Please feel free to bring in new and

old items that you think club

members would be interested in

seeing or learning about: bought or

constructed. Talk to Art-KC6UQH

before the meeting starts to reserve

a time slot for your SHOW & TELL

item(s).

\*\*\*\*\*

\*\*\*\*\*- F L A S H -\*\*\*\*\*

\*\*\*\*\*Ed-W9FQN%

\*\*\*\*\*

PARC member, CHRIS BOYER-

KC6UQG, was cited by the FCC for

having in his possession a 70cm HT

which could be used on frequencies

other than the ham bands. This was

called to the FCC's attention when

Chris reported with his 70cm HT on a

police administrative channel with

his own call, KC6UQG, that a fellow

hiker had fallen into some rocks and

needed immediate medical attention.

Chris had tried five 70cm repeaters

from his remote location and could

not get the attention of anyone. He

assumed (as many of us hams do -Ed)

that in times of emergencies

"anything goes" for the protection

of life and property.

The police department

complained to the FCC who took

Chris's 70 cm HT from him and gave

it to the SD Police Department.

Recent information indicates that

the HT is now being held as POLICE

EVIDENCE without anyone being

charged of a crime. An attorney for

Chris, HUGH JAEGER-K4ESQ, (part of

the PARC winning FD operation) with

offices based in Minneapolis, and

Newport Beach, has recently been

involved in the case. HUGH was a

former FCC enforcement lawyer

working out of the FCC main office

back east.

Case after case can be cited

where hams and non-licensed

individuals have used unauthorized

equipment and frequencies to report

emergency situations and one wonders

why the San Diego office of FCC

responded to this incident in the

way that it did ..except for the

possible insistence of Police

officers who might have wanted an

"amateur" HT!

As many times as ham operators

have risked their lives and property

to assist the police and fire

departments, it certainly is

surprising to see the police

reaction to this identified

emergency call on an administrative

channel that was not malicious in

its intent nor did it interfere with

their normal operations. The



implications of the FCC seizure could be far reaching. PARC (and other clubs) have large amounts of TYPE ACCEPTED commercial equipment in our possession which has been modified for amateur bands and still has the possibility of use in the commercial bands. Will the FCC find some excuse for taking these units away from us? What about your equipment which has been modified for MARS frequencies? Most of these units can now transmit on other "unauthorized" frequencies and are now subject to seizure if the FCC can find an excuse to take it.

The saga of KC6UQH's problems has been covered by the SAN DIEGO UNION.

WANT to be a HAM?  
(or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator and/or in joining PARC, please contact one of the ELMERS listed:

**\*\*\* ELMERS \*\*\***

CARDIFF, . Duane-WB6R, 753-4821  
CHULA VISTA, Steve-N6RUV, 422-4415  
ESCONDIDO \*\*\* Harry-WA6Y00, 743-4212

\*\*\*\*\* PALOMAR AMATEUR RC PRESIDENT  
La MESA, . Roger-N6UUW, 697-6025  
LAKESIDE, . Mac-WB6GXR, 561-2211  
RAMONA, . Vern-AA6UU, 789-3070  
SAN DIEGO, . Dennis-N6KI, 271-6079  
\$AN MARCO\$ \*\* Ralph-KC6WAN, 727-7415

\*\*\*\*\* PARC MEMBER\$HIP CHAIRMAN  
VISTA, . . . Jack-KI6JM, 598-0420  
SAN MARCOS, Rusty-AA6OM, 747-5872  
(Head of PARC VE testing program)

Besides calling one of the above amateurs, prospective amateurs ONLY can call 1-800-32-NEW-HAM at the Amateur Radio Relay League headquarters 8AM-5PM EST M-F in Newington, CT. for more information on amateur radio.

\*\*\*\*\*  
\*\*\*\*\*- LAST CLUB MEETING -\*\*\*\*\*  
\*\*\*\*\*

Attendance was 106 members, 7 guests, for a total attendance of 113. PLEASE COME EARLY and help set up chairs. =SK=

The November meeting featured one of our new YL club members, GAIL-WM6F, talking and showing slides of her DXpedition to

Moneserrat with three other YLs. That's the way DXpeditions should be run! She was assisted periodically by ART-KC6UQH ..behind the screens! =SK=

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PAUL-KD6ACW thanked PARC for the use of the 147.13 repeater during the fires so that the SALVATION ARMY could coordinate their activities in helping those in need at the fire scene. THANKS to all that participated. =SK=

DENNIS-N6KI, chairman of the nominating committee, presented the slate of officers for 1994: HARRY-WA6Y00 (pres), ART-KC6UQH (yp), NASH-W6HCH (sec), JENNIFER-KM6WG (treas), with RICK-KC9LV, MIKE-AB6QT, and KEN-N6ALA for board members. There are only two board positions open so there will be a ballot vote between KC9LV, AB6QT, and N6ALA for the two board positions at the January meeting.

HARRY-WA6Y00, club Pres, mentioned the plight of another club member, CHIRS-KC6UQG, who in an emergency used his HT on a administrative police channel to summon help for an injured hiking partner when he could not get a contact on five 70cm repeaters. The FCC took away his HT and gave it to SD RACES. (one wonders if this is the end of this story and what the SD FCC office is thinking about doing next to get rid of the real

jammers and foul talkers -Ed)

ART-KB6YHZ again supervised the drink and goodie table with members bringing goodies: JERRY-N6TCB, DICK-KC6QBD, SYBIL-W6GIC, PAUL-N6ISC, GEORGE-K6YGK, RON-KM6MW, BILL-KM6PY, & DOC-KC6RNV/KD6TBT. Some of the items brought were cookies(6), brownies(1), granola bars(1), pumkin bread(1), and unknown(2) ..and even they tasted great! =SK=

BOARD of DIRECTORS

BOARD MEMBERS present:

President: Harry Hodges, WA6Y00  
VPpresident: Art Mc Bride, KC6UQH  
Sec.:(appointed)Nash Williams, W6HCD  
Treasurer: Benton Caldwell, KK6LX  
Membership: Ralph Powell, KC6WAN  
SCOPE/ETC: Stan Rohrer, W9FQN  
Control(packet): Tim Low, N6ZUC

- also present -

Training/FD: Bill Smith, KB6MCU  
OTHERS: Sybil-W6GIC.

ABSENT from the board meeting-

RTechnical: John Kuivinen, WB6IQS

Club members are invited to attend these meetings to observe the Board of Directors in action ..or non-action ..es (and) get an activity pt for attending! Harry's brownies were especially good this month.

DISCUSSED: Money (EquipBal \$843, GenFund \$5,924, prepaid \$2,759 & post office \$200); booking Carlsbad SC for '94; FCC vs Club member Chris Boyer; new road est \$400; donations; Mac's camper pickup; 146.175 questions; evening traffic net problems; PARC life membership; testing HT's at Dec.Mtg; SCOPE puzzles, postoffice problems, TIME DATED MATERIAL note, & additions to cover page; Benton-KK6LX to work on publicity in '94; sign-in sheet swap meet; donation of no code tech tapes for the blind by Sybil-W6GIC; name badges; phone committee; greeting committee report by Tim-N6ZUC.

APPROVED: Bill-KB6MCU & Mike-WA6SVT to present request for space in the club bunker for Amateur Television at next board meeting, KB6MCU's request for a "hands-on" class at CSC, & Dec. 12pg SCOPE + 4pg of roster.

Please contact one of the board members for more info. or see the secretary for written comments.

\*\*\*\*\*  
 \*\*\*\*\* PRESIDENTIAL QRM \*\*\*\*\*  
 \*\*\*\*\*

WA6Y00 2435 Our Country Rd  
 Escondido, 92029, 743-4212

For those wonderful folks who brought a can of food, or donated money at our November meeting: I thank you, and the Salvation Army thanks you. Now ..can we do it again? Please bring a can of food or a dollar to our December 1st meeting. There are a lot of needy families. We can make a difference. The collection box will be just inside the door.

THE SWAPMEET. We have learned that the Rio Hondo Swapmeet will be no more after this year. Baring lousy weather, we will advertise the club hosted meet in Oceanside by distributing flyers and discount coupons up there in November and December. We hope to bring those sellers down here in December and January. If we don't have buyers, they'll only come once or twice. Please, please, put it on your calendar to come out on December 11th. Who knows, you might find the rig of your dreams. See you there!

One of our members, Frank B. Ramme, WB6HFE, was recognized by the local print media for his volunteer efforts in his community. A Ham for over 40 years, Frank is involved with disaster communications, serves on numerous committees, and is a member of neighborhood watch. He is licensed as a Nurse, X-Ray Technician, and is also a capable amateur photographer. Frank does all of these things at an age when most are content to sit by the fire. Frank is 75 years young!

We had a nice crowd at the Field Day Victory Pizza Bash on November 14th. For those of you eligible who stayed home, you missed a great feast. Fillipi's serves up a mean cheese and pepperoni thick crust pizza. Let's go for a four-peats! 73, Harry Hodges, WA6Y00

\*\*\*\*\*- TNX -\*\*\*\*\*

Thanks to:

THE SALVATION ARMY group for running a good net on 147.13 during the October fires giving support to the fire crews ..and anyone else who needed it. Some of the club members heard were: KD6ACW, N6ZNE, KC6UQH, & N6ZUC. Please let us know of any club member calls missed who participated in this net or in any other emergency nets.

To all those members who made contact on 146.73 and then moved to one of our other repeaters. =SK=

FRED-KE6BGI for the donation of a tool case to house our newly acquired tools at the repeater site. =SK=

Ed-KB7VNU for a generous donation because of his appreciation of our CW practice on 147.075 by LARRY-AB6LY's CW group. =SK=

MILT-W6MK for a recent copy of the "W5YI" report. Several items are being used in the SCOPE. =SK=

MARVIN-KC6YJB for checking into the 8pm traffic net and handling more than his share of center county messages. For a new ham he shure got his feet wet fast. =SK=

PAUL-KD6JXY for stepping in as net control in several nets where the net controls were not available. He gives the preamble from memory.

===== E L E C T I O N S =====

Club elections for 1994 will be at the December 1st club meeting and the two contested Board positions are being sought by:

KEN-N6ALA: Net Manager of Thursday Computer Ham Net.

RICK-KC6LV: Field Day, & Club Auction Committee.

MIKE-AB6QT: built 146.73 and 449.425 repeaters and member of the Repeater Technical Committee.

Election is by secret ballot.

\*\*\*\*\*  
 \*\*\*\*\* NEWSLETTER HELPERS NOV.SCOPE\*\*\*\*\*

KI6JM, Jack Hanthorn, Refreshments  
 KC6WAN, Ralph Powell, printing, labels  
 WA6Y00, . Harry Hodges, . Staples  
 KD6VAN, . Bob McNally, . folding  
 N6TCB, . Jerry Carter, . labels  
 KD6RFM, Emilio Spelgatti, folding  
 W6TFB, . Lloyd Hunt, . folding  
 KB6NMK, Jo Ashley, Ad Designer  
 W9FQN, Stan Rohrer, Editor, PO Forms  
 - E D I T O R -

Stan-W9FQN 30311 Circle R Ln  
 Valley Center, CA 92082-4806  
 749-0276, 11:30am or 9:45pm

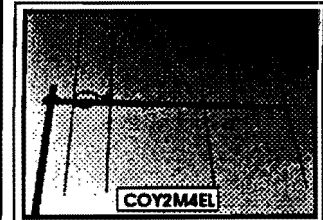
Your Editor and The Palomar Amateur Radio Club wishes everyone a very MERRY CHRISTMAS!

...and a HAPPY NEW YEAR.

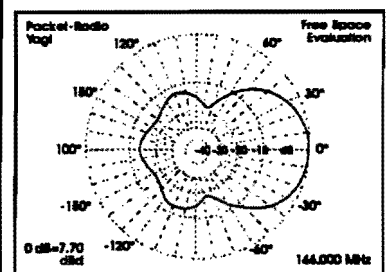
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 Gene Swiech, WB9COY

\*\*\*\*\*  
 \*\*\*\*\*- WORK PARTIES -\*\*\*\*\*  
 \*\*\*\*\*

If you are on a work party, make sure that it is reported to the editor.

(10-25) Another beautiful day

on the mountain ..you could see for miles under a slight east wind condition. It was a long day with some arriving at 10am and not leaving until 7pm. We don't like to work that long but we needed to get the tree trimming and ground system extended as soon as possible.

JOE-N6YMD installed a new cable on the 40' crankup tower and an antenna rotator (HD-73 refurbished by BILL-KB6MCU) completing our emergency tower except for adding

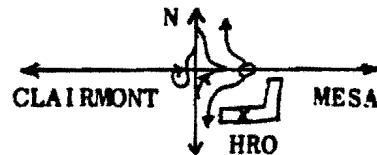
the control cable. Joe also is the club's expert welder and silver soldered our 3" copper grounding straps to the new building (4-corners), antenna entrance, solid ground rods (5), 1" pipe grounds (3) and several junctions (2). The building is now grounded and the tower is tied into the new ground system. We are probably about half done with the new grounding project.

MIKE-KD6IHV was again up in the trees being a "cut up." Mike lowered

a 38 year old tree about 15' which was sitting in front of the tower blocking several antennas. He also installed brass lightning "feed-thru" bolts (4) into the new building and telephone cable "tie blocks" in all of the buildings. He was assisted (supervised) in these projects by STEVE-KD6ZST who was always around when we needed him. Steve also pulled out all of the cut branches to start another "evergreen" pile.



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JOHN-WB6IQS answered questions and revamped the charger system so that we are using regular battery chargers with their voltage controlled by AC variacs. He also connected the control code cable up to the new building. He was ably assisted in these projects by JOHN-KE6CDH who has consented to help us with the automatic control of the autopatch. This was CDH's first trip to the site.

DAVE-KD6EBY dropped over during his noon hour and checked out the new battery charging setup. Dave checks the batteries at least once a

week to see that they are always up and ready to go for any emergency. We have two banks of seven cells each for one of the biggest amateur radio reserve battery systems maintained by any club: 14 cells, 5,000lbs, and 3,360Ahr.

DAVE-KC6VEC and MIKE-AB6QT worked at cleaning up the previous tree cuttings and assisting others with their tasks.

ART-KC6UQH repaired some crossed control cables and made adjustments on several repeaters. He was also seen leaning on shovel and adding a filter to the 147.13

repeater.

STAN-W9FQN helped with the tree trimming and ground strap installation. He also installed with John(CDH)'S help wire screen one foot deep around the base of the battery shed so that the little animals would not get a charge ..or discharge. Stan must have climbed one tree too many or dug one ditch too many since he was sore the next day.

(11-7) A nice warm day on the mountain. BOB-N6SWZ checked out what needs to be done to complete our new wiring project.

JERRY-WB6FMT brought his family up to the site while he adjusted all of the four repeater autopatch levels.

MIKE-KD6VHI again spent a lot of time on the tower sorting out unused heliax lines and we ended up removing all overhead lines except for one.

ART-KC6UQH silver soldered more of the 3" ground straps around the tower and inside the new building.

The rest of the crew (DAVID-KC6YSO, JOHN-WB6IQS, STAN-W9FQN, STEVE-KD6ZST, DAVID-KC6VEC, JOEL-KM6XA, MIKE-KN6IP) pitched in to help work on the following: 1)run inside 3" ground straps, 2)tower 3" ground straps, 3)add wire mesh to mouse proof the battery shed, 4)attach multi-wire cable to junction blocks in each building, 5)remove overhead heliax lines, 6)firmly attach heliax lightning arrestor box to the side of the building, and 7)cleaned up inside of buildings. Another long day with most getting home around 6pm.

(11-14) Trip cancelled because no one wanted to work at the site during the lightning storm with an 80' tall ground rod!

\*\*\*\*\*  
\*\*\*\*\* REPEATERS \*\*\*\*\*  
\*\*\*\*\*

A recent power outage on Palomar Mountain during the October fires reminds us that none of our repeaters have the old 146.73 BEEPING DURING transmissions warning us of the repeater being on battery power. The new controllers do put a "P" at the end of each transmission to warn you that the repeater is on 12VDC power ..OR HAS BEEN on reserve power ..so we still need the beep feature to warn us that we are PRESENTLY on backup power. The new controllers require a control operator to come in and "reset" the controller to get rid of the "P" after the repeater is back on 110VAC power. Presently the new controllers are on 146.73 and 147.075. We hope to have them on 147.13 and 449.425 sometime next Spring. =SK=

Last month (November) the club's 3,360 AHR storage batteries

(14cells, 2x7) were 17 years old with an advertised life of 20 years. We do not think that we have been abusing them very much so possibly they will last us much longer than 20 years. =SK=

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**DO NOT DROP YOUR CARRIER DURING CONVERSATIONS TO RESET THE REPEATER. TO DO SO INVITES A CONTROL OPERATOR TO TURN OFF THE REPEATER!**

The timer(s) are there to promote short conversations and to allow emergency traffic an opportunity to BREAK into the QSO ..and for FCC reasons. Long winded conversations or a DEAD

repeater do not meet the objectives of the club.

When talking on the repeaters make sure that you leave a little space between transmissions for others to BREAK IN with their call ...but do not leave gaps in your conversations of 5sec to 2 minutes. If you have nothing to say, then CLEAR the repeater until you do have something of interest to say. This past year one of the repeaters was turned OFF when two mobiles held a CONVERSATION(?) of several words every 3-4 minutes. =SK=

The 146.73 repeater does not require a PL for proper operation but it does require a 107.2 PL tone for proper autopatch operation. You should PROGRAM IN 107.2Hz and use it ALL OF THE TIME ON 146.73 so that when you need the autopatch that you will not have to fumble around trying to get 107.2Hz programmed into memory. TURN YOUR PL ON AND LEAVE IT ON! =SK=

Your editor once bought an Hallicrafters S-38 receiver. After buying this RECEIVER he started receiving Television interference complaints from as far away as 5 miles ...and it was only a receiver. How the "good word" travels! =SK=

When you are on 146.73- or 147.13+ you might ask the other person to move with you over to 147.075+ to clear up the .73 an .13 frequencies which sometimes get heavy usage at certain times of the day. We would sort of like to have you use 146.73 as a calling frequency and then move off to 147.075 or 147.13 which is another reason for moving off 146.73 after contact is made. Established groups during mobile times should remain where they presently are operating but if you have something for a single station, you might move off to one of our other repeaters. Load 146.175, 146.73, 147.075, & 147.13 in adjacent memories so you can quickly change repeaters. =SK=

If you have PL DECODE, use it on 146.73, 449.425, and especially 147.075 which has another repeater on that frequency in the LA area that puts a good signal into many

parts of the S.D. area. This is especially important for base rigs and regular mobile rigs since they can probably hear the LA stations more easily. The 147.13 repeater has a PL on its output but only when you are transmitting ...which means if you are in the "decode mode" that you will not hear the autopatch working! =SK=

\*\*\*\*\*  
\*\*\*\*\* AUTOPATCHES \*\*\*\*\*  
\*\*\*\*\*

de W 9 F Q N

**NEW MEMBERS** should request an AUTOPATCH INFORMATION SHEET for the four autopatches describing codes & areas covered by sending a SELF ADDRESSED STAMPED ENVELOPE (SASE) to W9FQN (see Editor) with ur PHONE # & CITY ..or see me at the next meeting. =SK=

FLASH!!! Tod Bloxham, KB7QDZ, from Seattle Washington area walked from seven miles within Canada to the Mexican border starting June 26th and ending at 4pm on November 18th south of Campo where Tod was able to use the club's 147.075 autopatch to announce to his father that he was right next to the Pacific Coast Trail marker and had ended his 2,700 mile hike. More on Tod's hike next month. =SK=

Its interesting to note that one repeater group evidently charges its members \$24 per year for the use of the autopatch and another club charges 25c/call. PARC charges ZERO and includes it as part of the PARC \$12 package as a GENERAL PURPOSE CLUB. =SK=

Your autopatch conversations are being heard by four monitor receivers throughout San Diego County with one of the receivers recording conversations and another decoding in "real time" numbers being dialed. These receivers are functional 24 hours per day ..if the master system has not been turned off. =SK=

It is our feeling that sometimes a "failed" autopatch on 449.425 is due to a lag in the repeater "recognizing" your 107.2Hz PL tone. This is probably not your fault if the PL level is high enough

but the repeaters inability to react quickly enough to your PL resulting in the possible loss of the first digit of your access code or the first digit of your 7-digit telephone number if you issue them immediately upon keying your microphone. Key your mic, wait a second, then dial.

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ND6W  
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- Powder coated steel construction
- Padded
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- Custom applications available

**\$14.00** and up  
**\$3.50** shipping

**745-9952**

**John, KD6MKH**  
P.O. Box 3470, Escondido, CA 92033

It has also been noted that people who at the beginning of a transmission answer "yes" or "no" sometimes do not have that first bit of information pass through the repeater. You can bypass the problem

by pressing your microphone button on 449.425 for 1sec before pressing any digits or talking. The same problem might possibly be showing up on 147.130 from time to time. The delay is probably due to some of the Motorola "reed detector" units rather than the newer electronic detector circuits which we will probably be installing sometime within the next year. =SK=

If you dialed the wrong area (this mainly happens in the San Diego section), your patch will be dumped to a dial tone. We suggest you close the patch in the normal way and then dial the adjacent section. Since San Diego is so large, we had to put half the prefixes in section #2 and half in section #3. This problem could also exist in parts of El Cajon and Mira Mesa. If our local computers had more memory, we would be able to take care of the problem since our Mira Mesa outlet and the La Mesa outlet presently overlap quite a bit. I guess that is the price you pay for having three entry points (soon to be four) into the San Diego Co. phone system from Palomar Mt. =SK=

We have noticed lately that some users voices trip the autopatch system. The chip manufacturer says this could happen 1-2 times per hour of voice traffic although Art-KC6UQH has done that well in 60 seconds.

This results in the system going off into NEVER NEVER LAND for about 2 seconds while it is waiting for the rest of the access code. It then automatically goes back into the READY state but while in NEVER NEVER LAND it will not respond to your access code. =SK=

\*\*\*\*\*  
\*\*\*\*\* NOV dididididit \*\*\*\*\*

1)Four XYLS at Moneserrat.....pg 1

2)Jerry Carter-N6TCB was the other

\$25 gift certificate winner..pg 4

3)MIKE-KD6VHI is not KD6IVH....pg 4

4)DICK-KC6QBD is not N6QBD.....pg 5

(Ur Ed's Harmonic is N6QDB!!!!)

5)Signature: Stanley E. Rohrer pg12

Our sincere appology to WB6COY for loosing his antenna Ad copy which fell off the SCOPE master when there

# FREE ADS FOR MEMBERS

was a "wax" failure. The Ad unfortunately was replaced by cartoons.

\*\*\*\*\* dididididit \*\*\*\*\*

**F O R E S A I L**  Anchors away!

Phone or send ads to Editor's QTH, W9FQN, (see Editor) before the 20th of the month with ur NAME, CALL, Ph #, & CITY. Ads in this section R FREE to club members.

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\* MM-1 VOM \*

\* PV Ameco preamp \*

\* 260 Simpson VOM \*

\* SEARS TELE-GAMES \*

\* 670-A Super-Meter \*

\* QF-1 Q Multiplier \*

\* 625 EICO Tube Tester \*

\* Patrolman-3 receiver \*

\* GD-1A Grid Dip Meter \*

\* HM-10A Tunnel Dipper \*

\* CQF Conrac TV Monitor \*

\* 2603 Cassette Recorder \*

\* HMM-7 Modification Kit \*

\* HN-31 Dummy RF Load(2) \*

\* 428 Touch-to-talk stand \*

\* TX-1 Apache transmitter \*

\* GD-51 Wireless Intercom \*

\* GC-1005 Electronic Clock \*

\* HW-30 2-meter Twoer xcvr \*

\* IM-2400 512 Freq. Counter \*

\* HD-1416 Code Oscillator(2) \*

\* GR-78 General CoverageRcvr \*

\* V-7A Vacuum tube voltmeter \*

\* IM-1212 Digital Multimeter \*

\*\*\*  
\*\*\*

\*\*\*\*\* PARC Heathkit Manuals \*\*\*\*\*

M E R R Y   C H R I S T M A S  
and a HAPPY NEW YEAR, 73 es 88

PALOMAR AMATEUR RADIO CLUB:

(ask for Stan, 749-0276)

\*\* Kenwood 8.4v,450mAhPB-26

w/2 battery inserts

\*\* MSY Motorola repeater on

465MHz, no cabinet, \$40

\*\* Fiberglass rowboat gud 4

trans-Pacific Xing

\*\* Shielded 300ohm twinlead

\*\* Db1 Shield 75ohm coax

- - - - -

\$800?: SELLING the 54' heavy duty crank up tower (heavier duty

than a W-51). Looks like it never has been used ..even by two little old ladies ..or three. Has two cranks (one for each hand) on it and needs one more for turning both of them. Cranky club members 1st at \$350, others \$550: W9FQN for PARC 749 0276 VC. (Call for gud price! - Ed)

PARC SELLING STANDARD LF-06 (14v 6amp) line filter chokes to remove alternater whine from your mobile rig \$2 each at Oceanside Swap Meet: Stan W9FQN 749 0276 VilyCtr.

Stan-W9FQN has 10ea 1993 gift certificates for \$20 on the ALINCO DJ-F1-TH or \$30 on the DR-600T which he will hand out to the 1st 10 members at the December club meeting. He also has another K3UKW equipment list for your viewing. =SK=

(11-16) Ten-Tec Omni-D 100w HF xcvr \$320 w/pwr \$70; Ten-tec keyer w/paddle \$60; mfj-941B 300w HF tuner \$60; G5RV 10-80m ant \$35; Hustler 4BTV 10-40m vertical \$50; Hustler RM-40 resonator \$15; Kenwood SW-2000 SWR/pwr meter with VHF remote sensor \$100: Duane AA6EE 789 3674 Ramona.

(10-16) Tony-K3UKW again has a list of used gear. Contact W9FQN with yellow box at club meetings to see the list: Stan W9FQN 749 0276 VilyCtr.

(10-15) Kenwood TS-940SAT w/Sure mic mint \$1200; SB220 Linear Amp 2kw PEP 10-80m 2ea 3-500Z's exc \$425; SB610 monitor scope exc \$85; Henry 3KA linear amp w/3-500Z's 10-80m 2kw PEP \$850: RFK Krist W6KTE 941 3555 Vista.

(10-10) Kohler Electric Plant 120vac 60cy at 1800rpm 7.5kw 32vdc remote start \$700: John KD6TLF 747 9431 Esc.

(10-8) Solarcon A-99 10/17m antenna \$45; Flyte-Craft 10m ant \$45: Carl N6HLY 487 6272 SD. (8-30) COLLINS S-Line 75S3 & 32S-3 winged emblem gud cond \$300 ea: Pete K6JQE 755 4838 Solana Beach.

(7-8) Commodore C-64 computer complete ex cond monitor 2-drives 2-printers 80col card mem-exp card software RTTY interface, inst books all \$200: Henry N6JWF 945 1247 Ocsd. GOOD WAY TO GET ON RTTY AND RUN

CODE!

\*\*\*\*\*  
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North American (retail \$30) \$25.95

International (retail \$30) \$25.95

----- Both for only \$49.95-----

ARRL Handbook (retail \$25) \$23.95

ARRL Antenna Book (ret.\$20) \$18.95

ARRL Repeater Directory \$ 5.50

VHF Companion \$ 6.95

DXCC Companion \$ 5.50

Now You're Talking (ret.\$19) \$15.95

Bencher Paddle (block) \$59.95

Bencher Paddle (chrome) \$73.95

Bencher Plexiglass Cover \$12.95

Bencher Low-pass Filter \$42.95

Bencher Balun ZA-1A 1:1 \$28.95

All items postpaid. Add 7.75% tax.

Duane Heise, AA6EE pd

16832 Whirlwind Lane

Ramona, CA 92065 Ph 789-3674

\*\*\*\*\*

6-18) Drake W4 wattmeter .2-2kw scale \$55; Tentec squeeze keyer \$55; battery charger D-A-C cost \$30 now \$9; mobile 3.5" cone spkr \$8; SCANNER R/S mobile + 110vac w/mt bracket w/out of area xtals UHF/VHF \$20; E Voice Mic 674 W/stand & cord \$25: Larry W7HKI 439 5855 Ocsd.

\*\*\*\*\* WANTED \*\*\*\*\*

"a few good men" or "women"

(11-17) To copy manuals for early ALINCO ALM-201 2mHT and KENWOOD UHF FM 70cm xcvr TR-8400: Stan W9FQN 749 0276 VilyCtr.

(11-16) To copy TS-130S op manual & ARRL National Convention program booklet: Duane AA6EE 789 3674 Ramona.

(11-10) Defunct battery pack for ICOM IC-2A to be used at Fallbrook HS: Gail KM6WF Poway.

\*\*\*\*\*

\*\*\*- F I E L D D A Y 1993 -\*\*\*

\*\*\*\*\*

de Dennis-N6KI

As Rotten Ralph would have said, "THREE-PEAT, THREE-PEAT, THREE-PEAT!!! PARC does it again with a Record Shattering performance. Bill, KB6MCU and I, thank the 80+ crew that made this feat possible. Our arch-rival, the K4BFT crew in Huntsville, is crying in their beer again!

As I examined the 93 FD scores in the Nov. QST, I noticed another interesting statistic. Not only did PARC log 5,629 QSOs but only one other Club out of the 2086 participants managed to outdo PARC in raw QSOs. N1NH managed 5,669 QSOs, 40 more than PARC..but they were running 15A category meaning they ran 10 more stations than PARC! Not very impressive! Obviously another "Gimmic" category for those clubs needing to appear to take 1st place in any category! This statistic points out the fact that the PARC crew was operating at peak efficiency in cranking out QSOs!

Even the W2GD 4A crew, who consistently outscore PARC in raw QSOs every year logged only 4725 QSOs. PARC scored 93.8% of my calculated theoretical maximum score of 6,000 QSOs for this years band condx and our massive setup capability. Paul KZ6X and Brian KF6BL (Fresh back from another warzone) took no prisoners and logged a record breaking 1,350 QSOs on 20 Meter SSB. Club donations to fly in Karl N6WLX/8, a World Class operator, paid off with his crews 1,040 QSOs, another record. The two CW crews headed up by AB6LY, N6ZUC, and another World Class Op, Charlie, W6UQF, matched previous years performances.

All other crews met or exceeded past QSO rates and our new VHF station crew set a mark to be aimed at for future FDs.

WA6DOC, KK6RX, N6URW & KC6QBD headed up the Mess crew and kept the PARC army well fed.

As announced at a previous club meeting, I will be retiring as FD Co-chairman after 5+ years seeing the club from an obscure 36th place to it's current 1st place ranking. I will be turning over the Con to a very capable individual, Larry AB6LY. Larry and Bill will be soliciting your help for FD 94 and I hope PARC will give them the same support afforded me. 73 and "GOOD LUCK IN THE CONTEST"!!! --DE N6KI

\*\*\*\*\*  
%- S W A P M E E T S / N E T S -%  
OCEANSIDE: Meets on the 2nd

Saturday of the month at the Oceanside Drive-In on Rd 76 (3480 Mission Ave.) between I-5 and El Camino Real. Talk-in on 146.730. Buyers 50c and sellers \$13. If you are selling only a few items, you might want to double up with others to reduce your individual sellers cost. You might also want to check with Harry-WA6Y00 for any discount coupons he might have.

PLEASE HELP MAKE THE SWAPMEET A  
SUCCESS WITH YOUR ATTENDANCE!

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**Jennifer A. Thieme  
KM6WG**

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Accountant**

**(619) 599-1134**

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Vista, California 92083**

\*\*\*\*\*  
M E M B E R S H I P \*\*\*\*\*  
\*\*\*\*\*

de Ralph-KC6WAN Vista 727-7415

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet should send W9FQN a self-addressed envelope (SASE) requesting same (see Editor's address).

Recent FCC lists of new amateurs for the San Diego Area show the average age of those receiving Tech licenses is 39.93 with a low of 13yrs and a high of 86yrs old.

Membership is over the 700 mark.

NEW/RENEWED:

- 3 years -

K6GVM-LYELL, KD6ZSH-CHUCK,

- 2 years -

KI6IM-VICTOR, KD6TFR-GENE, KD6KIR-LEDN, K06VMZ-ANDY, RAIFORD-HENRY, KD6ZSQ-MARK, KA6VEA-GEORGE, K6CPF-ED, AC6V-ROD, WB6GXR-MAC,

- 1 year -

KM6SN-DAVIS, WA5BNH-HELMS, WF6L-PHIL, KC6VEC-DAVID, KB6MBL-BETSY, KD6JUJ-NICK, KD8CA-PAT, W6JSP-FLOYD, KE6AFK-CHRIS, KD6FKL-DAVID, WA2JEI-DAVID, KD6IAX-JOHN, AA7GL-RON, KJ6NA-TOM, KE6BZL-BURT, KE6CDG-THOR, KB6PNE-PARKY, KB6CCU-BILL, REED-JOEL, NONDF-CHRIS, VOLLMER-PETE, VOLLMER-NANCY, KD6VMX-RICK, WHITE-JULIE, BRYANT-SALLY, N6TAC-DICK, KB6VFJ, GRANADOS-ARISTEO, WH6MC-TED, W6EPW-VERN, KD6WTB-ERIC, WB6AWO-RICK, KD6PRE-JULIO, N3MYS-NEIL, RK6BJM-GERRY, WA6IWK-HERB, KA6GHE-JUDY, AA6EE-DUANE, KD6EUP-RIGER, KI6TG-CHUCK, KC6TLW-JOYCE, AA6KY-DAVID, KF6QH-JIM & WA6WTZ-OLIVIA

CHANGES:

New members joining late in the month will be included in next month's SCOPE ..or the next. And if we missed your name but you received a SCOPE with the proper date on the mailing label, consider yourself a member in good standing ...and accept our apology for omitting your name in the newsletter.

\*\*\*\*\*  
\*\*\*- 5 Y E A R S A G O G D -\*\*\*  
\*\*\*\*\*

12-88: ..membership increased  
50% over 1985 ..in 1988 Field Day we

were 12th in the USA, 3rd in California, 1st in San Diego's class 5A ..Clint Call-W60FT SK ..Jane Rice-AD6Z SK ..147.135 repeater has no 12vdc backup (now 147.13 and still no backup -Ed) ..Bob-WA6KZN sold home and going on the road (still on the road? -Ed) ..Chet Elder-W6KRH SK.

\*\*\*\*\*  
\*\*\*\*\* V E T E S T I N G \*\*\*\*\*  
(Rusty-AA60M 747-5872)

N.Co.FCC LICENSE EXAMS by PARC VE Team @ Carlsbad Safety Ctr, Carlsbad (Camino Real to Faraday, 14F6, follow CSC signs East) on 2nd Sat. @ 10am. Reservations less than 2da in advance & walk-ins not normally accepted. VE info: call 465-Exam.

610 FORMS AVAILABLE: HRO, 5375 Kearney Villa Rd. or at club meetings.

OCTOBER 9th TESTING: 9 candidates, 14 elements, 9 passes & 3 no shows.

GEN->ADV WB7BEF

NONE->TECH Howard Brandell, Chris Martin, & Gary Vreeken.

OTHER: KE6AFH(4A).

AUG.EXAM TEAM: N6RUV, W6HYC, N6ZUC, KE6VX, KM6WG, & AA60M.

OCTOBER SPECIAL: 12 candidates, 14 elements & 9 passes.

TEC->Gen KD6ZSI & KD6WDE.

ELEMENT 3B: KE6BWK, KD6ZSH, KA6DXH, KE6BUC, N6UWW, & KE6BWM.

EXAM TEAM: N6ZUC, WA6Y00, and N6TRF.

NOVEMBER 13th TESTING: 17 candidates, 33el, & 23 passes.

GEN->ADV: KF6FQW

TECH->GEN: N6XCC

NONE->TECH+: Claude Canterbury & Mike Larson.

TECH->+: Kenji Sakaguchi.

NONE->TECH: John Andrews, Fred Schattschneider, Viki Underwood, Mike Colton, & David Sullivan.

PASSES: John Crossan-4A, Sharon Warfikeld-2, & Dan Kaufman-2.


EXAM TEAM: W6YVV, KB5MU, WA6HYC, KI6JM, & AA60M.

73, Rusty-AA60M, VE Team Leader

\*\*\*\*\*  
\*\*\*\*\*- N E T S -\*\*\*\*\*

There are two unlisted nets operating on our repeaters which net

controls do not need to add to their preambles at this time: 1)MON 7:00pm 147.13 EVAC and 2)TUE 7:15pm 146.73 RACES sub net.




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**NU6L**




**Joan Lovell**

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11885 Carmel Mountain Rd., Suite 905  
San Diego. CA 92128

The Palomar Amateur Radio Club supports the following 28 nets during the week with its repeaters located on Palomar Mountain. We will add additional nets if there is a demand for them by the amateur community. The purpose of these nets is to bring our club members closer together, to answer their questions about amateur radio, and to provide emergency service to the San Diego

Community.

--146.7 RTTY Net, Sunday 2030 \*\*\*\*\*  
(Daily QSO 2030-2130 N6TEP\*)

--146.73 NIGHTLY \*\*\*\*\*  
MON. 1915 RACES North Co. Sub-Net  
2000 San Diego County Traffic Net  
(except 1st Wed. club Mtg

Net managers: N6RVO\*, N6TJT\*

Mo-WA1ZEN, Tu-N6RVO, We-N6WVP, Th-W6EYP  
F-KC6ZEC, Sa-KE6VX, Su-N6TEP

MON. 2100 S.D. Microwave, N6IZW\*

TUE. 2100 S.D. Packet Voice, KB5MU\*

WED. 2100 Spanish, KA6FPS\*, W6HCD\*,  
W9FQN (2nd and 4th Wednesday)

THU. 2100 Computer Help Net, N6ALA\*

KD6JXY, KC6ZRW, W6QCA, WB9COY, KC6Y0X

ARES 0830 Emerg. Serv, \*W9FQN, KB6NMK

W6HCD, N6NZX, KB6NZA, WB6HFE, N6QQF

WA6UTQ, N6QJE, W6JSP, N6WEG, N6WEF

SUN. 1000 SUN. SAILERS, W6QCA\*, AA6TR

2100 THIS WEEK IN SDCo., KD6JXY\*

W9FQN

--147.075 NIGHTLY Mo->Fr \*\*\*\*\*  
1900 Code, 20-5wpm, AB6LY\*, N6ZUC

WA6Y00, W9FQN, KC6QHU

2015 TUE MARA EMERG SERV. KE6VX\*, WV6Z

2000Wed LicenseTheory, AB6LY\*, AB6QT

KC6UQH, N6YMD + others

2000 THU HAM HELP, \*AB6LY, N6YMD

KC6UQH, AB6QT and others

--147.13 EVAC 2/4th Tue. 1900, KH6TL\*

--O T H E R N E T S \*\*\*\*\*

MONDAY 1930 RACES on net on 147.195

NIGHTLY 1:30Z Maritime Net 28.313

So. Cal. Mark-AA6TR\*

SAT-SUN 2000 SSB on 28.340 KD6AKT

WB0YQC

MON->SUN KING HENRY's Round Table

on 147.13 at 2200

\* Net managers (pse send ur updates  
to the editor)

PARC Net Coordinator - W9FQN

\*\*\*\*\*  
\*\*\*\*\*- F C C U P D A T E -\*\*\*\*\*

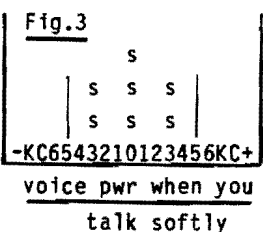
The FCC can really get tough  
when they don't like what you are  
doing:

Interference safety freq.	\$20,000
False distress calls	\$20,000
Failure to permit inspection	\$18,750
Malicious Interference	\$17,500
Indecent material	\$12,500
Exceeding pwr limit, not responding to FCC letters, wrong freq.	\$10,000
Using unauthorized equipment	\$ 5,000
Failure to ID ur station	\$ 1,250
Assorted minor violations	\$ 625

**10% of all sales  
to PARC members  
goes to our club**

(de W9FQN) When your HT signal is weak the "S-meter" at the receiver site will read highest when you are not talking since all of the

Remember that in FM transmissions the loudness of your voice is contained in how far the FM signal deviates from the resting FM signal and that the frequency of the modulating signal is contained in how rapidly the resting frequency is being changed.



RULE: if you have a weak signal, DON'T SHOUT or talk loudly. Doing so will only cause your signal to probably drop out of the repeater and we will hear NOTHING except broken speech or dead quiet. (this topic suggested by Art-KC6UQH -Ed)  
=SK=

The following club members have considerable knowledge in the areas listed. If you have questions,

please feel free to contact them:  
 FCC 610 forms:..KB6NMK, W9FQN, AA6OM  
 Airplanes, Model:.....N6UWU, WB6FMT  
 Airplanes, flying:.....WB6FMT  
 Antennas, boating:.....KC6UQH  
 Autopatches:.....WB6FMT  
 Boating:.....W6QCA, AA6TR  
 Camping:.....KM6MW  
 Cars (old):.....W6QCA  
 Climbing(rock/tower):...KI6TG, N6GZI  
 KD6VHI, KI6IM, W9FQN

Coast Guard Aux:.....N6TEP  
 Computers,IBM:..WB9RKN, W6QCA, N6ZUC  
 Computers,C-64:.....WD6FWE  
 Computer,TRS-80Mod4:.....W9FQN  
 DirectionFinding: KB6NMK,W9FQN,N6UWU  
 DXing,SSB,CW,RTTY: WA6Y00,KA5Q, N6KI  
 Fire Patrols:.....W6HCD  
 FM Deviation Cks:.....AB6LY, WB6FMT  
 German:.....N6TEP  
 Graphics:.....KB6NMK  
 Gliders:.....KC6Y0X  
 HF Beams:.....KB6MCU, N6KI  
 Heathkits:.....WB6IQS  
 Horses:.....KF6QH  
 Korea:.....WA6Y00, W9FQN, N6IE  
 Mexico + License:.....W9FQN  
 Microwave:.....N6IZW  
 Mobile noise filters:.....KI6RF  
 Packet:.....KB5MU, N6ZUC  
 Ping-pong:.....W6OLQ, W9FQN, KA6FPS  
 PrintedCKTboards:.....WB6IQS, WB6FMT  
 QRP (low pwr CW):.....AA6TR  
 Radio Classes:.....KB6MCU  
 Repeaters:WB6IQS,AB6QT,KC6UQH,WB6FMT  
 RF Interference:KB6MCU,N6GZI, WB6IQS  
 RTTY:.....N6TEP, WA6Y00  
 Satellites:.....KB5MU, WB9RKN  
 Spanish:.....KA6FPS, W6HCD  
 Swapmeets:..N6KI, WB6COY, WB6IQS  
 Tennis:..NU6L, W9FQN, KA6FPS, WA6IPF  
 Ten-Ten Club:.....KC6QXU, WA6HQM  
 Test Equipment:..ND6W, WB6IQS, AB6LY  
 VE Testing:.....AA6OM, KB5MU  
 Traffic Nets:..N6RV0, N6TJT, W9FQN  
 Tubes:.....WA6HQM  
 VHF/UHF beams:.....WB6COY, WB6MCU  
 MARS:.....WA6Y00, WH6CH

If these people do not know the answers to your questions, they certainly can "tell you where to go" for answers.

If you would like to have other categories listed or your call ADDED to or DROPPED from the list, pse contact ur editor.

Check the =AD= sections for PROFESSIONAL electrical help: N6GZI-

antennas-towers-SD; WB9COY-UHF/VHF  
 beams-Poway; ND6W-repair XCVRS-  
 Coronado; & HRO-NEW equipment-  
 MiraMesa.

## REGISTERED U.S. PATENT ATTORNEY

723-0620

Loyal M. Hanson - W9WV  
 Fallbrook, California



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!



Radio systems installation, repair and removal, and interference resolution.

Edward Ross. N6GZI  
 542-1405  
**Antenna  
 Specialties**

Other club members that have business who would welcome your business are: KB6NMK-graphics/ads-Esc; KC6UQH-marine-electronics-Esc.; NU6L-ACwiring-VllyCtr; W7HKI & W7HKL-fishing supplies-Carlsbad; KM6WG-accountant-Vista; Clara Ziegler-properties-om-W3ARU; Joan Lovell-travel-SD; & W9WV-patent attorney-Fallbrook.

\*\*\*\*\*  
 \*\*\*\*\* ?? NEW HAM ?? \*\*\*\*\*  
 (and some old Hams?)

Please send suggestions for this section to your editor.

New hams many times associate their problems with something being wrong with the repeaters. For example:

1)the person they are talking to all of a sudden has his signal come in and out of the repeater at a ever increasing rate. ITS THE REPEATER'S FAULT. Actually the person they are talking to is using an HT and his batteries are dying ..you can soon color him "gone."

2)the person they are talking to is very weak into the repeater and he seems to be dropping out with almost every word spoken. ITS THE REPEATER'S FAULT. Actually the person is talking TOO loudly with a weak signal and their voice peaks soak up the too much power which lowers their average transmitted power causing their weak signal to become ever weaker ..so they drop out of the repeater.

3)the person they are talking to seems to be distorted during their entire transmission. ITS THE REPEATER'S FAULT. Actually the other person probably has the repeater frequency set 5kc high or 5kc low which is causing the distortion.

4)the repeater signal seems to be lower than normal and you observe the signal completely disappearing in your receiver from time to time. ITS THE REPEATER'S FAULT. Actually, the weather is bad and it is raining between you and the repeater. Rain absorbs RF and reduces the signal to you. The rain is probably degrading your signal to Palomar Mt. and the person you are talking to ..or your antenna just fell off.

To indicate your interest to talk to someone on our repeaters, simply state "URCALL MONITORING." If you want to join a conversation in progress, just give your call sign quickly between exchanges on the repeater and they should let you in within one or two exchanges. BREAK w/CALLSIGN indicates you need to be let in right away because what you

# PARC Membership Application

AMATEUR CALL	
CLUB MEMBERSHIP? <input type="checkbox"/> NEW <input type="checkbox"/> RENEW	
ARRL MEMBER? <input type="checkbox"/> YES <input type="checkbox"/> NO	
LAST NAME	
FIRST NAME	
STREET ADDRESS	
CITY	
STATE ZIP	
HOME PHONE	
WORK OR OTHER PHONE	
HAM LICENSE EXPIRES	
FAMILY MEMBERSHIP (List other calls and names)	
CLASS OF LICENSE	
N T T+ G A E	

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to membership chairman at club meetings. We prefer checks to cash, it's safer and you have a record. Dues are \$12 a year which includes \$3 for the Scope, or \$21 for a family all at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman.

Name, call and complete address are required. Telephone number is requested but may be unlisted in roster if you prefer.

For notification of acceptance send SASE with application or the receipt of the next newsletter mailed the last week of each month will be your only notification.



---SOMETIMES I THINK MORTON IS PARANOID---  
EVERY TIME THE WIND BLOWS, HE'S AFRAID HIS  
TOWER WILL FALL ON HIM!

have to say is "timely." BREAK BREAK w/CALLSIGN indicates an emergency break and the repeater should be turned over to you immediately and activity by others should cease until your emergency has been handled. =SK=

The PARC repeaters are intended for emergencies, exchange of amateur radio information and thirdly for "rag chew." =SK=

# #1

Are you involved in  
public service?

# SCOPE

US Post Office # 076530

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Dues \$12/yr which includes \$3 for the Scope in SD Co. \$4 out of County

Postmaster: Send changes to Scope, PO Box 73, Vista, CA 92085-0073



2nd Class  
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92085-9998

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Mira Mesa  
La Mesa  
Fallbrook  
Palomar Mountain

Membership  
Expires  
PRC yy mm  
License  
Expires  
LX yy mm

Phone Codes

Deliver To

## Non Member:

we thought that you might like to  
consider joining PARC because  
we have noticed your...

\_\_\_ interest in amateur radio

\_\_\_ new / changed license status

\_\_\_ request for information

or using \_\_\_ 146.730 \_\_\_ 147.075

\_\_\_ 147.130 \_\_\_ 449.425