



Palomar Amateur Radio Club

April 2004

April Meeting

April 7, 2004

Carlsbad Safety Center

A night of Magic and Wonder brought to us by our very own K3PXX (Terry). This program is guaranteed to be a wonderful occasion to bring family and friends (especially little ones) who will delight in the magic tricks performed by Terry and his feathered body friends."

PARC Repeaters

Palomar Mt. Repeaters (W6NWX)

PARC Trustee: AB6QT

*52.680- W6NWX, -0.5 MHz.

Autopatches:

146.730-, *147.075+
* 147.130+, *447.000-

PKT:

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

ATV "OUTPUT":

1241.25 MHz. am

ATV "IN":

915 wbfm, 919 am, 2441.25 wbfm

Intercom:

146.415 PL 79.7 nbfm

Affiliated:

*224.38- & *224.94 KK6KD (HARS)
*447.05- & *145.26 KK6KD (HARS)
*146.175+ N6FQ(FalbrkARC) linked to
*445.600 MHz (-)
*224.90- WD6HFR (Convair/220 ARC);
446.14- WB6FMT(123.0)Vista;

* = 107.2 Hz. PL Tone

President's Message

I hope all of you had an enjoyable sample of green beer on St. Patty's day just gone by! Aye, may the ives of March leave you breathless and looking forward to Field Day.

I for one have been pleased with listening to some of the operating discussions heard on the repeater lately. Seems our crew of avid contesters are staying awake, long hours racking the points up on the various contests that spring up this time of the year. I was also pleased to hear interesting discussions on the repeater about building class A amplifiers using tetrodes and grid controlled pentodes. Now, if someone can explain what that talk about valves and tubes is all about, we'd have one heck of good time.

On the "what's happening on the ham radio front lines?" there is much to be talked about. You may have followed the discussions about BPL. Do you care? Do you operate HF? An interesting, and in my opinion unusual, voice in the discussions affecting that technology has recently taken place. ARRL engaged in correspondence with the Wall Street Journal, with concerns over the highly one-sided endorsement of that technology as a bonanza for the communications providers. Nil heard back from the Wall Street guys! FEMA and Homeland Security offices have also engaged, as they fear that if commercial communications companies route traffic over BPL (not sure the bandwidth is there), anyone with an HF transmitter could interrupt critical services. Hallo Al-Qeada?

Meanwhile, on the licensing front, all sorts of comments, suggestions, and opinions are streaming in to FCC and the ARRL. Here-with a most unusual one:

The newly formed Society for Preservation of Amateur Radio Traditions (SPART) recently published an editorial on their web

page (<http://www.spart.cwisalphaomega.org>) castigating the FCC for the lowering of technical knowledge and operating acumen evidenced in the liberalized licensing process. Of greatest concern to SPART is the perception that many "instant upgrades" to Extra Class licenses is seriously undermining American ham radio leadership among international and developing countries.

Likewise, SPART cites the recent examples of failure of public services to communicate in disasters (as in the California fires), and security alerts, as reason to reinvigorate the extensive volunteerism traditionally seen in the ham radio community, a tradition they deem present in all sectors of the hobby. Touting the current emphasis in Washington circles to look beyond routine problems and focus on education, advanced space technology, and homeland security, SPART approached the ARRL and FCC with a surprisingly innovative though highly unusual four-tier license structure proposal.

Under SPART's approach, and in line with the current ideas surrounding the Novice license, they propose doing away with the Novice license as known, and instead allowing anyone who wishes to operate radio in the ham bands to operate as a Citizens Unlimited Band (CUB) licensee. For this first tier license, no code requirements would be established, and licenses would be given to anyone who asks for one and presents a social security card as identification. As a CUB, operators would enjoy voice privileges on the 160M, 80M, and 40M HF bands using AM as the operating mode. They would have no power restrictions. They would also be allowed to operate on the WARC bands, but only the CW portion (no speed restriction). The idea here is that in so doing, CUBs would appreciate the fellowship of DX on WARC, and be inclined to improve their CW skills without

Continued Page 3

Minutes

Palomar Amateur Radio Club Board of Directors

March 10, 2004

The meeting was called to order at 7:12 PM by KD6TUJ at the home of K6KAL. Present were:

Vice President, Dennis Baca KD6TUJ

Treasurer, Jo Ashley, KB6NMK

Membership Chairman, Al Donlevy, W6GNI

Director Merle Risdon, KR6BT

Secretary, Dick Kalkofen, K6KAL

Director, Stephen Early, AD6VI

Treasurer's Report

Jo, KB6NMK submitted the Treasurer's Report. Her efforts have paid off, as she was able to suppress the '0' items, and much easier to read. AL, W6GNI moved the report as distributed be accepted, and was seconded by Dick, K6KAL.

Secretaries Report

Dennis, KD6TUJ moved that the report as distributed to the board and published in the scope be accepted, and was seconded by AL W6GNI.

Discussion Items

Jo reported that as part of the clubs yearly standard filing for 'non' profit organizations there was a notice of a new state law that may affect our club. Upon review, Dennis noticed that the new laws are directed toward 'Land' developers, and would not affect us. With that, Jo will be able to complete the filing.

Dick K6KAL reported on a search for LCD projector for the club. He located several sites on the web that had units within the amount targeted (around \$ 1000.00). He also found an advertisement for a unit available locally. There was a discussion as to the next step, and it was concluded that Dick would recommend 3 units for the board to choose from, to the local sources for reasons of convenience and support.

AL, W6GNI questioned the status of

the club billing for Advertisers and Renters. Jo, KB6NMK commented that Lyell Kiney, K6GVM had just recently sent out the statements, and we should begin to see the responses shortly.

Dennis, KD6TUJ reported that he has been in contact with the North County Times, and is beginning to work with them to get the club events published. They are receptive to his comments about having an article about the 'field day' and getting the event promoted in a more timely fashion this year.

Steve, AD6VI that in the process of cleaning up the Committee Chairman list published in the Scope, received a response from Art Goddard, W6XD.

In Art's response, as to the role of 'Assistant Director' as listed in the Scope (AstSWDivDir -), he outlined the process of getting a club member appointed for the Palomar Club.

There was a discussion relating to the PAL BBS system. Dick, K6KAL will contact Bruno, W6AFK and Ted, KD6AKT who stepped up to offer his assistance, to see what has been worked out regarding the BBS management.

Membership report

Al, W6GNI notes that the club now has 468 members.

Repeater Technical

There was no report at this meeting. All

systems are working.

Repeater Site

There was no site report at this meeting.

Next Board Meeting

The April board meeting will be held at the home of Jo, KB6NMK at 7:00 PM on April 14th.

The meeting was adjourned at 8:20 PM.

Respectfully submitted,

Dick Kalkofen, K6KAL, Secretary

Club Membership

New Members Joining PARC:

K6ROQ, WB6TAW, KI6YK, KG6ESF, and KE6SP.

We had 3 "old" members reinstate their membership after considerable delay. Welcome back.

Several members sent me their new e-mail addresses. Did you check last month's label to see if our records were correct for you?

73, Al, W6GNI

onerous testing. SPART maintains this will prove the long held view of the value of CW, and how world class CW ops become proficient because of their devotion to the joy of CW. (Sounds to me like the an answer to "Why CW?" Simply: "Because it is")

The second tier license would be the Serious Amateur Performer (SAP). This license would be reserved for CUBs who have completed five or more emergency operating exercises (supervised by Homeland Security Communicators), show proof of citizenship, qualified for DXCC on their allowed HF bands, and expressed an interest in ascending to higher class operations. SAPs would continue to enjoy CUB privileges, but would also be able to operate VHF/UHF satellite modes on CW. VHF/UHF would be limited to 500 watts ERP.

Third tier licenses would be available for CUBs, SAPs, or unlicensed people who are U. S. Citizens, or legal immigrants or visitors. This license class would be known as Real Amateur Telegraphers (RAT) class. They would be expected to pass a written exam, proctored by the VE examiners with a Homeland Security Proctor present. The exam would consist of code copy and transmit test at 15 WPM, essay questions concerning radio theory and practice, and a 100 multiple-choice questionnaire on U. S. history. Under discussion with the FCC is consideration of including a practical demonstration of homebrew building projects. Preliminary homebrew projects under consideration (the actual project to be performed at the test would be a surprise announcement at the test session) are construction of a vacuum tube, use of a vacuum tube in a Colpitts oscillator, construction of an 11m linear amplifier, or sip-n-puff vacuum tube code practice circuit.

Under SPART rules, the fourth license tier would be the pinnacle of amateur radio excellence. This would be the valued Extra Class License. An Extra Class License would be issued to any of the above licensees, or to anyone else, who ignores all that stuff, and takes a comprehensive theory and rule multiple choice exam, administered by a VEC as is done today, and passes a 25 WPM code exam. Extra

Class Licensees would be eligible for all the privileges of today's Extra Class, and could refer to themselves as "real extras". They would be barred from the 11M CW band..

The only unusual requirement for the Extra Class license approval as proposed by SPART is that the exam must be taken on April 1st. of any year, and must be witnessed by an IOOK VP.

ARRL and FCC are requesting comments and suggestions to this idea. They should be forwarded to ARRL via email at <http://1aprilnote@arrl.fool.org>

(If you read this far: Happy April Fools Day).

73 de NN3V

3-13-04 Work Party!!! de AB6QT saying Thanks, Thanks,

Thanks for the help on Saturday. Jim N6FU, Al W6GNI and myself went to "clean out" the old trailer in preparation for its "going away". We did not finish, but it is very close. The camper that was prepared to temporarily store all the things is almost full now, and there is clearly less than a days work to finish the job to hopefully make the trailer "mobile" for its next journey to wherever that may be. And of course a good time was had by all.

73 de AB6QT

ESCONDIDO VE TESTING

VE Testing in Escondido is now being conducted on the LAST Saturday of each month at Fire Station Nr. 1, 310 N. Quince Street, beginning at 9:00 AM. For a reservation call Harry, W6YOO at 760-743-4212

EARS ANNUAL AUCTION

All Amateur Radio operators are invited

to the Escondido Amateur Radio Society (EARS) annual auction, Tuesday, April 27, 2004. Location is the Emmanuel Faith Community Church, 639 East Felicita Avenue, Escondido. Sellers please register at 6:00 PM, buyers register at 6:30 PM and the auction will get underway at 7:00 PM. Auctioneer will be Art McBride, KC6UQH. Talk-in on the EARS repeater, 146.88 (-), PL 107.2

Ham Help Net

PARC has sponsored the Ham Help Net for many, many years. It was one of the first nets I participated in when I was first licensed in 1991. It's purpose is to try to answer questions that come up in the pursuit of the hobby. While the Net is aimed primarily at new hams, we need the participation of the "old timers". These are they one's who have the expertise to answer the questions. The Net Control operators are just that: we don't claim to be experts.

I would like to encourage everyone to check into the Ham Help Net, whether you have a question or not. You may be the one who has just solved a problem which is puzzling someone else.

The Net meets each Thursday, at 9:00 PM local time on the 146.730 machine.

Hope to see you there!

-73 -Dave, "one of the Net Controls" - KC6YSO

Desert Race ...

Volunteers Needed

The Best In The Desert invites all Hams that enjoy speed and adventure to join us April 24th for the 2004 Terrible's Town 250 off road race in Pahrump, NV. The race will feature a full array of off-road vehicles, which will include, motorcycles, quads, cars, and trucks. With over 200 entries expected and some of the roughest, unforgiving desert in Nevada the challenge is to have the safest race possible with the best volunteers on the

course and the Amateur volunteers are the anchor to Best In The Desert's number one priority of safety. This race will feature the top racers and vehicles from near and far, your chance to see the race from the middle of the action on the course can't be missed. The amateurs will join over 100 other volunteers at gas stops, road crossings, and check points tying the entire course together for a safe exciting adventure for the racers, crews, and the public. Please contact us at bitd@worldnet.att.net or visit our website at www.BITD.com or call us at (702) 457-5775 for more information or to join the team of volunteers.

Finding and Using Repeaters — Part 3 by AC6V

As to what is talked about -- it covers just about anything folks talk about. Technical subjects such as SWR, Antennas, Latest radios, Theory. Operating such as Emergency Procedures and Drills. DX. Contests. History. Dirigibles. Old Cars. Pick Up The Dry Cleaning. Bring Home Some Lettuce. Old Timers reminisces. Old Radios. Well you get the idea and some interesting conversations do take place. But starting a conversation about politics or abortion with a stranger can get dicey -- best know your audience.

How long do you talk in view of the party-line concept? Usually there are no hard and fast rules. It depends on the time of day (rush hours are PRIME TIME for mobiles, evening is also a busy time, while 2 a.m. is pretty quiet). If you've been interrupted several times by others needing the repeater to call someone, maybe you've been on a bit too long.

Also if you are going to give a long dissertation, let the repeater drop occasionally so as to not time out the repeater. Announce this by "Let me Reset" "Let me get another nickel" "Let me burp the repeater" and other cuties. Speaking of cuties, CB is great Americana and has some colorful expressions, but these are not often heard in Ham Radio. Best leave these on the 11 Meter band as some old time Hams get all upset with CB expressions -- their problem, not yours --- but just so you know! 10-4 Good Buddy, the first personal is, hitting me with 10 pounds, passing you the good numbers, come on back etc., best

be left on the CB Band.

Note that some repeaters have hundreds of users and may have some pretty tight guidelines or even rules regarding usage. For example, a repeater in Los Angeles discourages base station usage during commute hours. Be sure and get the repeater guidelines or lacking same, ask on the repeater if it is open to any users, members only, commute hour guidelines etc. A repeater in farmland USA may discuss corn prices et. al., and not be amenable to "entertaining travelers". Some use DCS and won't hear you at all.

When you finish your transmission and unkey, the beep will alert the other person that it is their turn, so no need to say over, back to you, go, your callsign - their callsign, come on back, etc.

It is not necessary to give your callsign after each transmission -- only necessary each ten minutes to satisfy FCC rules. But give your callsign when first coming on and when signing clear.

COPS AND JAMMERS. For beginners, don't play repeater cop is a good rule to follow. Later you can alert folks to observe the beep and other advice. But for JAMMERS most repeaters advise -- NEVER EVER acknowledge them or engage them in any way. They are looking for attention -- don't give it to them and soon they will probably go away.

HELPING HAMS WITH DIRECTIONS. Often heard on repeaters is out-of-towners or locals asking for driving directions. Base stations often have access to the Internet and can bring up map quest and do a good job.

First determine the location of the mobile before giving them your navigation expertise. Unfortunately, one person may give adequate directions, and then someone else JUST has to break in to give his/her favorite back alley secret shortcut. Or some other clown gives a two-minute dissertation of street names and landmarks, ad-nauseum. The lost ham thanks everyone, pulls the plug, and finds a service station to de-confuse themselves. If someone has given adequate directions, let it alone. Make corrections only if the directions are dead

wrong. Keep directions simple.

ARGUMENTS AND BRU - HA - HA'S. We Amateurs are heard not only by ourselves but many non-hams, shack visitors, folks on scanners, etc. We need to keep it from sounding like the CB band and keep a professional approach to our communications. Insults, jamming, disparaging comments with no ID, swearing, heated exchanges and calling another a LID, really have no place on the repeaters. Good-natured jibing is self-evident and humor is in order, but grim enemies have been made on the repeaters -- bite ye olde tongue, keep cool or stop transmitting. Don't stomp on new comers or any other comers for poor operating practice - a gentle reminder or better yet - discuss it off the air.

MULTIPLE CONVERSATIONS. Not all conversations are strictly two-way. Three, four or five or more Hams can be part of a "roundtable" conversation (five or more can be pretty unwieldy). A roundtable is a lot of fun, but it poses a problem: when the person transmitting is finished, who transmits next? Too often, the answer is everybody transmits next, and the result is a mess (doubling). You'll hear this often. The solution is simple -- when you finish your transmission in the roundtable, specify who is to transmit next. "... Over to you, Fred." This takes some concentration as to who all is in the round table, try and keep track or write it down for reference. If you lose track -- turn it over to someone you know always keeps track -- "help me with the rotation Ted".

Also try "over to whoever is next" and hope for the best. Jump ball sez you don't know who is next-- hope for the best. Examples -- "over to Fred, then Charlie". Or by implication, if it is Dave's turn - Dave are you still on I-15?" Another style is 3 or 4 in the conversation where strict rotation isn't used, some one asks a question or makes a comment and another with the answer or counter-comment comes in after the beep, but careful not to double with someone else. Usually these are very short transmissions and comments -- sometimes called quick key QSO's. A technique to prevent doubling is to double clutch -- that is key up, immediately drop it and listen to see if no one else is transmitting, then go ahead.

LONG CONVERSATIONS. Repeaters are a great place to get information, SWR, Antennas, Radios, Computer stuff and just about anything else and some of these can get quite lengthy. Many clubs have several repeaters and when a long conversation is forming - especially during repeater busy times (commute time), maybe it is best to go to a less used channel or to a simplex frequency. This is especially true if the conversation is of interest to just a few folks, such as butterfly collecting. So if the "prime" repeater is in use, try a secondary one.

PRIVATE CONVERSATIONS. Believe me there is no such thing on the VHF/UHF airways! If you change frequencies to a simplex frequency or another repeater for a private QSO, chances are someone will follow you and someone always seems to be listening. Scanners can find you very quickly. Even if you went to 1.2 GHz simplex, 2M SSB, or HF! Be careful with gossip on a "private" channel or frequency, it can come back to haunt you.

BREAKING IN. Repeaters are shared resources -- one big party-line. There are many times and reasons that a conversation in progress might be interrupted. You might break in to join the group and add your comments to the subject at hand. Someone else might break in to reach a party who is listening to the repeater. The breaker might have to report an emergency, traffic advisory, or make an urgent contact.

If you have a two-way conversation going, even somewhat of a private nature, expect that someone will break in. If this bothers you, choose a less often used repeater, or go simplex. Also the less used bands, 220, 440 or SSB portions will allow some degree of "privacy"

For breaking in - here are some suggestions: Pick a good time. If you have an emergency, a good time is NOW. That's why there's a pause between transmissions. Otherwise, listen a bit. Read the ebb and flow of the conversation. One of the fastest ways to establish a reputation as a jerk is to frequently butt your way onto the air without regard for the people already talking, and say -- just saying hello, or just letting you know I'm here. Give your call, and say what you want.

When you've listened and decided it's OK

to break in, transmit before the beep and say something like this: "AC6V, I have an emergency," "AC6V, can I make a call?" or "AC6V joining in." "AC6V comment" "AC6V question" "AC6V info". But some common sense is in order, if a ham is giving his/her out-of-state buddy directions - why would you break in and start a QSO on hiking?? Wait until they finish, of course.

What about "Break?" The problem with just plain "break" is that nobody knows exactly what it means, and everybody has to stop and find out. You will hear some Hams say, "break" means, "I just want to join in or make a call," "break-break" means "I have very important traffic," and "break-break-break" means "I have a dire emergency." That's fine, but not everybody knows that. Plain English works better. State the reason for your break, AC6V joining in, AC6V info, AC6V comment, AC6V traffic report, AC6V quick call please, AC6V emergency. If someone is joining in -- perhaps say, "callsign recognized, you follow Sally". A "breaker" should be given the frequency immediately - could be an emergency. If someone "breaks" in on you. What do you do? Let them transmit, RIGHT NOW unless you know absolutely and for certain that they do not have an emergency.

Some break in just as you were ready to answer a question and answers it for you -- irritating as you may have spent some time and effort to look up the answer, but you should immediately recognize the break as they may have an urgent call or real emergency. If folks would announce why they are breaking -- it would make repeater life a lot more organized. Maybe somebody hasn't read this guide and isn't the expert operator you are now, and they just say "break" or drop in their call, when what they really mean is "HELP." So let them talk. Say "go ahead, or go ahead the breaker" And if they're one of those boneheads who's interrupting your perfectly good conversation for no reason but to hear themselves talk, well, bite your lip and be glad you know better. The exception is when someone actually announces an emergency. Then CLEAR THE REPEATER! DO NOT TRANSMIT. The station who declared the emergency has the frequency, and unless they ask for your help, don't give it. Unless... always and unless... they obviously don't know how to handle the situation... and you DO. (You do, don't you?)

ROLL CALL OR A DEMO PLEASE. When you have visitors to the shack and would like to demonstrate repeater FM and Amateur Radio, "AC6V could I have a demonstration please for some visitors. Callsign, name, location, and power." Hopefully not every body doubles -- try double clutching. Maybe give the visitors the brag tape on repeater range, mountain location, and the quality of Frequency Modulation.

MAKING AN AUTOPATCH CALL. Most repeaters have specific rules and require membership for using the autopatch. You must ask the AutoPatch guru or trustee for the procedures

NETS. A net is a group of many stations that meet on a specified frequency at a certain time. The net is organized and directed by a net control station, who calls the net to order, recognizes stations entering and leaving the net, and authorizes stations to transmit. Most nets are "directed nets" so as to keep order amongst the multitude tuned in. You should not transmit unless solicited or as directed by the net control. Examples - "check-ins please". "AC6V -- do you have anything for the net." If you are not part of the net - use a different repeater for other matters.

Nets can be of a wide variety of subjects: NTS (National Traffic System), Ham Help, Morse Code Practice, Offroad Nets, Language nets, Youth Groups, Sailors/Boaters, Emergency - ARES, RACES, Microwave, ATV, Facetious Group, Field Day Planning, Swap, Trivia, YL, and many others. Swap nets are held on some repeaters - yes it is legal to announce equipment for sale or items wanted on Amateur Radio as long as the items are Ham related.

TECHNICAL NETS. A great way to get into the more specialized areas of ham radio is to join in a technical net. These include but not limited to: Microwave nets, ATV Nets, Field Day, Backpacking, Offroad, and others. Listen in -- some exciting projects can be heard

To be continued

Committee Chairmen

AREInfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Al	W6GNI@amsat.org
ATV	-Art	KC6UQH@amsat.org
Auction	-Jim C.	NE6O@amsat.org
Badges new	-Al	W6GNI@amsat.org
Batteries	-David	KD6EBY DAT@Gerry.Palomar.caltech.edu
BBS Monitor	-Bill B	N6FMK@amsat.org
Billing:Ads/etc	-Lyell K	K6GVM@arrl.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Inventory	-Dennis B	KD6TUJ@juno.com
New Members	-John E.	KG6EQU@amsat.org
Nets	-	
Newsletter	-Ron S	NA6RS@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-Stan R	W9FQN@amsat.org
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Paul D	NN6X@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Dennis B.	KD6TUJ@amsat.org
Publicity	-	
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-	
Rptr Site	-Mike P	KD6VHI@amsat.org
Rptr Skeds	-	
SANDARC	-	
	-	
SellerTable	-John K	WB6IQS@Juno.com
AstSWDivDir	-	
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuneDancer@cox.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG-Mike D		AB6QT@amsat.org

(Net Managers) (see pg.12)

ARES Sun	-	
Staff Net	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-David D	KC6YSO@amsat.org
Hiking	-Ed	KF6DXX@Juno.com
	-Glenn P	KE6ZLY@Juno.com
MARA	-Cathy	KE6IQU W6NWG@amsat.org
Microwave	-Kerry B	
Off Road	-Jerry A	jwak6pfp@cts.com
	-Dick W	KA7AYT rwilimek@home.com
Sailors	-Paul/Rod	NN6X@amsat.org / AC6V@amsat.org
Traffic(SDCTN)-Charles		N6TEP cmiele@juno.com

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

EMAIL address for Website is **webmaster@palomarc.org**

Other addresses of interest:

Scope@palomarc.org
Board@palomarc.org
Membership@palomarc.org

Contest Coral

Apr 3 Kids Roundup (See QST)
 Apr 3 Spain RTTY Contest
 Apr 3 Missouri QSO Party
 Apr 3 QCWA QSO Party
 Apr 10 Georgia QSO Party
 Apr 10 JIDX CW Contest
 Apr 17 Holyland DX Contest
 Apr 17 Michigan QSO Party
 Apr 17 Spain QRP CW Contest
 Apr 24 Florida QSO Party
 Apr 24 Kentucky QSO Party
 Apr 24 Nebraska QSO Party
 Apr 24 Helvetia Contest

Above are some of the many contests to be held in April. SSB, CW, RTTY, and other modes are represented. Several state QSO parties for those seeking WAS. Complete rules are found in QST, CQ, NCJ and Worldradio magazines. CU in the Contest. 73, Harry/W6YOO

Radio Setup Helpers

Laminated Quick Help
 Operating Aids For
 Kenwood, Icom and Yaesu
 Transceivers



Simplify Setup
 and Operation



Reference Cards and
 Mini-manuals for most
 all recent model radios

Nifty Ham Accessories
 (760) 781-5522 • n6fn@niftyaccessories.com
www.niftyaccessories.com

P.A.R.C. Inc (2004 Board)

Pres: Charlie Ristorcelli NN3V
858.676.3307 NN3V@amsat.org

VP: Dennis Baca KD6TUJ
760.722.0251 KD6TUJ@amsat.org

Sec: Dick Kalkofen K6KAL.
760.519.0670 K6KAL@amsat.org

Treas: Jo Ashley KB6NMK
760.741.2560 KB6NMK@amsat.org

Dir#1: Merle Risdon KR6BT
760.941.0213 KR6BT@amsat.org

Dir#2: Steve Early AD6VII
619.461.2818 AD6VII@amsat.org

Repeater Site:

Mike Pennington KD6VHI
760.749-8888 KD6VHI@amsat.org

Membership:

Al Donlevy W6GNI
760.630.3096 W6GNI@amsat.org

New Member:

John Earnest KG6EQU.
858.484.8579 KG6EQU@amsat.org

Repeater Technical:

Mike Doyle AB6QT
760.742.1573 AB6QT@amsat.org

Web Pages

PARC's Home Page -
<http://www.palomararc.org>

Rod's - AC6V
<http://www.ac6v.com>

ARES Alert Publication
<http://sanarrl.org/alert.htm>

Tom's Hiker's - KF6PAZ
<http://www.fanciful.org/san-diego-hiker>

Jeff N6FRW Grace N6WPA

*The NiCd Lady
Company*

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

20585 Camino Del Sol Unit B
Riverside, CA 92508 (909)653-8868
Fax (909)653-5189

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

Last Month's Goodie's

Tom KG6RCW
Fred K6ISS
Jim N6FU
Terry K3PXX
Preston W6ASP
Bernie N6FN

Fold & Staple Crew

KB6NMK Jo & Toby
K6ML Jim P W6GNI A
KR6BT Merle KB6YHZ Art
KB6YHY Anita KG6AEW Bill
N6UZH Terri & Matthew

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

Jo Ashley KB6NMK@amsat.org
ASSETS February 29, 2004

Cash and Bank Accounts	
CD	2,835.74
CD	2,689.86
CD	3,399.30
CD	2,836.75
Checking	3,348.31
Post Office	97.30

TOTAL ASSETS \$15,211.16

Pre-paid dues	7,792.00
Prop. Insurance	1,800.00

LIABILITES	\$9,592.00
EQUITY	5,619.16

TOTAL LIABILITIES & EQUITY
\$15,211.16

RF PARTS, 435 S. Pacific Street San Marcos, CA 92069

(800) RF-PARTS - (760)744-0700: fax (760)744-1943

From MILLIWATTS to KILOWATTS

RF POWER TRANSISTORS - TUBES - POWER MODULES
Best pricing on U.S. & Russian Transmitting & Receiving Tubes

3-500ZG - 3-600Z - 811A - 572B

4-400C - 6146B & W - 8072 - 8560AS - 8873 - 8875

3CX400A7 & U7 - 3CX1200A7 & Z7 - 3CX1500A7 - 3CX3000A7

4CX250B & R - 4CX400A - 4CX1600A - 5CX1500A

Plus full inventory of Broadcast Tubes to 20KW

Complete Inventory for servicing Amateur and Commercial

Communications Equipment

Transistors - Modules - Diodes

Relays - Trimmers - Capacitors

Heatsinks - Transformers - Chokes - Combiners - Wattmeters - Books

Send for your FREE 2000 Catalog at

e-mail: rfp@rfparts.com

For Sale

(4.1) **Visual Basic 5.0** Professional and Windows NT 4.0 Workstation \$40. ad6lp@amsat.org .

(4.2) **ICOM IC-3AT** 220 MHZ ,Very Clean w/Key Pad, PL,New Antenna, New Battery. Asking \$50.00 OBO. (1) Wilson Hand Held, Mark IV Receive 146.52 Simplex, 146.64, 147.150.I, \$25.00, Bayard K6GAO 858-755-5507.

(4.3) **Yaesu FT-230R** 2 Mtr FM Transceiver w/SS32 PL Board \$80.00, **Astron AS-7** Power Supply \$29.00, **Yaesu FT-227R** 2 Mtr FM Transceiver \$45.00, **Celestron C-8** Catadioptric Telescope with Heavy Duty Tripod, Planetary motor-drive, X2 Barlow Lense – Spotting Scope, w/manuals \$850.00, 2 – B&W 9” Security Monitors \$10.00 each, Galaxy Electronics PR550 Phone Patch w/manual \$25.00, 2 Larsen 6 Mtr 5/8 wave mobile antennas, fits NLA Mounts \$10.00 each, Swan MMBX mobile antenna matcher \$10.00. Cushcraft R-7000 Vertical \$150.00. Panasonic Stereo Earphones Model RP-HT12 (New) \$4.00 Each. Panasonic Super Compact Blank Video Tape ST-C30 (New) \$4.00 Each. New Panasonic Video Accessories, i.e., Tape Head Cleaners, Camera Power Supplys ETC., Too numerous to list. Contact Dennis K7DCG @ 858-748-9046 or email: K7DCG @ ARRL.NET

(
4.4) **ICOM IC-T81A**,case, HM-75A speaker microphone, BP-197 battery case, OPC-254/L DC power cable, CS-T81 cloning software, OPC-478 cloning cable, and MH-510 tri-band after-market antenna. \$120. Bob KY6P. (619) 318-2217

(2.5) **ICOM IC-T81A**, case, HM-75A speaker microphone, BP-197 battery case, OPC-254/L DC power cable, CS-T81 cloning software, OPC-478 cloning cable, and MH-510 tri-band after-market antenna. \$160. Bob KY6P. (619) 318-2217.

(2.1) **Kenwood TS-520S**, 10-160m, after mkt digital display, Sure 444 desk mic. Original manual, Very good cond. \$235

***Personal equipment ads** are free to members and could be “bumped” after 3 months. Make up your ad like the ones on this page. Send to Scope before the 18th of each month.*

***Commercial Ads** in big boxes: \$2/col. inch/mo. We will “squash” your copy to the number of inches bought.*

SCOPE@palomararc.org

George kf6zca@juno.com 619-264-1415

(1.12) **10 GHz Gun Plexers** (2) Brand new, still in box, **U-wave MA87.27**, 10.25 GHz Varactor tuned GP xcvr. Make offer & pay shipping. Contact JACK KG6RWI @ 760/749-4572 or e-mail KG6RWI@aol.com for details.

(11.29) Tubes, chokes, transformers, capacitors, etc. for sale. I anticipate moving and all things must go! Please contact for a detailed inventory. Call: NI6N. Email: pat_osullivan_email@yahoo.com. Phone: (760) 940-8355."

(10.13) **Yaesu FT-817** package - includes the FT-817 and microphone, 500 Hz Collins filter, LDG Z-11 auto tuner and balun, W4RT One Plug Power battery, original battery and battery door, dry cell holder, Buxcom Rascal soundcard interface and software, Waters and Stanton AT80 portable antenna and Hf-project 30 watt amplifier (needs work), manual. \$600.00. **SGC 2020 HF** transceiver with ADSP2 and microphone- \$450.00 Gary, W6GDK at (858) 679-0578 or w6gdk@arrl.net

(9.18) **29' Ericson Sailboat**, Auto-pilot, radio, depth sounder, TV, Microwave, Sleeps 6, Head, Galley, **Transformer**, (CV Solar, Input 115v 60cyc, Out, 120v, 25 amp.) **Transformer** (75KVA, 50% Duty Cycle, Primayr 440v, Sec. Parallel Low 5.37,5.88,6.2,6.57 — Hi 7.22,8.15,8.8,9.59 or Series Low 10.74,11.72,12.40,13.14 or Hi, 14.22,16.3,17.6,19.14v, Call Art Nye KB6YHZ, 760-758-0234

(2.22) **4 El 10 Meter Yagi Beam** All stainless hardware w/W2DU Beam 50 Ohm Balun. Only up for short time, Very clean, Works very well. \$75.00 OBO Bayard K6GAO 858-755-5507

(10.25) Radio Shack 300-Channel **Handheld Trunk Tracker Scanner, Pro-90**, Like new in box 80.00. Louie KF6QBS.760-727-0846. kf6qbs@amsat.org.

(10.3) **Bencher Paddle Keyer and MFJ automatic keyer** (curtis chip). Like New! \$75 Bob AC6JG 760 207-9045.

Wanted

(4.5) Print or Manual for a SB 200 Heathkit Linier Amplifier W6ODU 760-749-8385

(3.9) Lafayette HA-600 or HA-600A, working or not. Contact Bill, KD6BFR, -kd6bfr@hotmail.com 760-480-6805

(3.8) Copy of Instruction Manual for the Unique Wire Tuner. Jim Keller WB6YXY 760-758-7655 jkeller@cox.net.

(2.3) Six, 12Volt UPS batteries (72 VDC total) 38 AHr gel cells. For the PALBBS computer. We could use a different AHr rating if necessary. Current backup batteries are getting weak.

PALOMAR ENGINEERS

Box 462222, Escondido, CA 92046

TOROID CORES

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

BALUN KITS

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

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

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

TUNER-TUNER

Tune your tuner without transmitting. Save that rig!

Just listen to the Tuner-Tuner's noise with your receiver. Adjust your tuner for a null and presto! You have a 1:1 SWR.

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

PARC NETS

Sunday	0830	146.730	ARES
Sunday	1000	146.730	Sailor's Net
Sunday	2045	147.075	MARA Emergency Services
Monday	1915	146.730	RACES Sub-Net
Monday	2100	146.730	Microwave Net
Tuesday	2100	146.730	Off-Road Net
2nd Wed	2100	146.730	PARC Board Net
Thursday	1930	147.075	Young Hams Net
Thursday	2100	146.730	Ham Help Net
Friday	2100	146.730	Hiker's Net
Saturday	2000	52.680	6 Meter ARES Net
Tue/Thu/Sat	2000	146.730	NTS Traffic Net (SDCTN)

PARC Testing

Carlsbad - 2nd. Saturday at 9:30 am in the Carlsbad Safety center.

Contact Rusty **AA6OM**
760-747-5872 or dunedancer@cox.net

EARS Testing

Escondido - LAST Saturday at 9:00 am
Chamber of Commerce
720 N.Broadway, Esc 92025

Contact Harry **W6YOO**
760-743-4212 or W6YOO@amsat.org

Register 5-7 days in advance for tests.

Repeater Status

146.730-	: Normal
147.075+	: Normal
147.130+	: Normal
447.000-	: Normal
52.680-	: Normal
146.700-	: Packet Repeater Normal
145.050	: Packet Digi Normal
PALBBS	: Bulletin Board Normal
AutoPatch	: Normal
ATV	: Upgrading

Send \$18 Dues To:
PARC, P.O. Box 73
Vista CA 92085-0073

HAM

RADIO

OUTLET

H
R
O

Tom KM6K
Ron N6OMW
Jose XE2SJB
Bob KA6EKT

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

Astron, AEA,
OUTBACKER
Larsen Antenas
TEN-TEC
Hy-Gain,
Tri-EX,
Cushcraft

and others to
numerous to
mention!

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

Open: 10 a.m. - 5:30 p.m.

Monday thru Saturday

858 560-4900 or toll free

800-854-6046

5375 Kearny Villa Rd, S. D.

Ask about our
great prices

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

POSTMASTER
Send address changes to:
Palomar Amateur Radio Club
P.O. Box 73, Vista, CA 92085-0073

Periodicals
Postage Pd.
at Vista CA
92085-9998

SCOPE

Address Label Here

Palomar Amateur Radio Club Inc.

Scope (USPS #076530) Vol.XXXI No. 4, April 2004, published monthly by PARC
1651 Mesa Verde Dr., Vista, CA, 92084. *Periodicals postage pd. at Vista, CA 92085.*
Dues \$18/yr or \$30/family/yr (includes newsletter subscription)

Editor: Ron Surfield NA6RS, 7323 San Bartolo, Carlsbad, CA 92009
Scope address for newsletter: scope@palomararc.org

146.73-, 147.13+, 147.075+, 447.000-, 52.68-; Pkt 146.7-, 145.05 & ATV, 4 Autopatches

