

## President's Message. -

Well, **I got busted this month!** As you can see, this message is an insert. When I usually say it is a busy time, I mean busy. This past month has been **pure hectic!** To the point that I missed the deadline for Scope, but of course, the Fold & Staple Party crew agreed to hold up for my late entry, only if I submitted to a wet noodle lashing. **OUCH!**

The good news in all that is that part of the busy events was a trip to Mexico (Cancun) with the YL to celebrate a 32<sup>nd</sup> year anniversary, and in the process to do some VHF/UHF hamming. Those of you who travel as hams know the result. **FANTASTIC!** There is nothing like meeting the locals, and getting to see the *real sites* without a tourist guide. We had the pleasure of a wonderful series of adventures around the Chichen-Itza Maya ruins, and I know we would never have seen them that way were it not for the local hams. The same can be said for finding genuine local food, as opposed to the tourist hotel concept of Mexican food for the gringo palate.

On the local front, this month inaugurates our technical program series for 2004. I believe you will be very pleased with NC6X (former AD5FS), Achim, and his presentation on modern transceiver design concepts. This topic will be addressed over a series of meetings, but not all in a row! See the program guide and you will note that there is a change of focus throughout the year's programs.

As your "program chair", I am trying to mix-it-up in response to several requests that we cover topics in greater depth, while also giving you a variety of topic areas. If you have suggestions, you know how to reach me.

Likewise on the local front, the Poway hams are continuing their interaction with the Poway City Council in an attempt to encourage a lessening of the very restrictive antenna considerations faced in the City. More on this as it develops, but on behalf of the Poway hams (and of course "I are one"), please keep informed on this because I am quite certain there will be an opportunity to request PARC member support in a Poway City Council meeting. The desire will be to have a large representation of San Diego hams at one of the meetings in order to show that there are many of us who are involved in this exciting amateur radio hobby, and we have a constituency that benefits all of San Diego. I will try to advise you well in advance of when that opportunity may present itself.

And speaking of Exciting Amateur Radio, have you planned your trip to the **Dayton Hamvention?**

73 de NN3V

**February Program:** This month inaugurates a series of technical presentations regarding Modern Transceiver Design. NC6X (Until recently AD5FS), Achim, a modern commercial transceiver design engineer, has graciously agreed to prepare a series on this topic.

This month will concentrate on Components. Ever wonder how it is that, you now get an all-band, all-mode transceiver that operates at 100 Watts? Well, come to the PARC February meeting and you will hear all about it!.

Below is a list of upcoming programs. The program topics are identified, and the tentative dates of presentation are also shown though these might change to accommodate the schedule of presenters.

73 de NN3V

<b>Month</b>	<b>Topic</b>	<b>Presenter</b>
<b>Feb 04</b>	<b>Modern Transceiver Design I</b>	<b>NC6X (Achim)</b>
<b>Mar 04</b>	<b>Ham Radio &amp; San Diego County Animal Rescue Svcs.</b>	<b>K3PXX (Terry) Coordinating Presentation</b>
<b>April 04</b>	<b>A Wonderful Evening Of Magic (Bring Guests. This will be fun and non-technical)</b>	<b>K3PXX (Terry)</b>
<b>May 04</b>	<b>Antenna Design, Construction, and Measurements I</b>	<b>KC6UQH &amp; AC6V (Art &amp; Rod)</b>



# Palomar Amateur Radio Club

## February 2004

### February Meeting

Wednesday February 4, 2004

Carlsbad Safety Center

### 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

## REPEATER OPERATION

de AC6V —Part 1

### FINDING REPEATERS

One can set their receiver to scan the band and listen for repeaters, but a repeater may not be transmitting or seldom used, so it is catch as catch can. To find repeaters in your area, ARRL repeater Guides are published and guides are also available free on the Internet -- see Web Repeater Guides. <http://ac6v.com/repeaters.htm> Many are open repeaters -- open to all licensed hams. Others are closed for members only and require membership. Some are specialty repeaters such as Emergency or DX repeaters and not amenable to other uses. The repeater guides usually specify this. In large metropolitan areas, coverage of repeaters sometimes overlap and it is hard to avoid hearing two repeaters in certain locations. Tone Squelch may help in some cases.

Most radios offer a Scan function that allows repeater bands to be scanned. Either VFO (continuous) or memory scan can be used. When a signal is encountered, the radio either pauses for a bit or stops on the encountered signal (see manual for options). Using PL seek (if available) will allow you to lock on the PL frequency used by the repeater. This is great for traveling when you don't have a repeater

guide or are too busy driving to fool with radio settings. Since modern radios have in excess of 100 channel memories, some users program their radios for all standard repeater pairs. For typical HF/VHF/SHF Standard pairs -- see Repeater Pairs. <http://ac6v.com/repeaters.htm> In San Diego and Southern California Hams are directed to SoCal Repeaters. Here the TASMA and JPL links are especially well done <http://www.tasma.org/> and <http://rprrlist.w6jpl.ampr.org/>

For the traveling ham, USA Repeaters and indeed World Wide Repeaters -- See World Wide Repeaters. From Austria to Turkey! From Alaska to Wyoming! [ac6v.com/repeaters.htm#WWW](http://ac6v.com/repeaters.htm#WWW) For San Diego Hams -- some great full color maps showing major highways and where the repeaters are located can be found at the Ramona Outback Amateur Radio Society. 2M, 220MHz, 440MHz [roars.net/repeaters.htm](http://roars.net/repeaters.htm) For Hams traveling, the ARRL has a CD ROM -- TravelPlus for Repeaters™ CD-ROM Includes User Definable Maps. Repeater List Advanced Search. GPS Tracking Automatic List Refresh -- Automatic list display of all repeaters within defined range during GPS Tracking. [www.arrl.org/catalog/travelplus/](http://www.arrl.org/catalog/travelplus/).

Stay Tuned for Future Parts.

## Minutes

### Palomar Amateur Radio Club Board of Directors

January 14, 2004

The meeting was called to order at 7:06 PM by KD6TUI at the home of KR6BT. Present were:

Vice President, Dennis Baca, KD6TUI

Treasurer, Jo Ashley, KB6NMK

Membership Chairman, Al Donlevy, W6GNI

Secretary, Dick Kalkofen, K6KAL

Director, Merle Risdon, KR6BT

Repeater Technical, Mike Doyle, AB6QT

#### Treasurer's Report of 1/12/2004

Jo, KB6NMK submitted the Treasurer's Report and noted that she has arranged with the bank to provide the statements at an earlier time. The report showed all the CD's with current amounts. It was noted that one CD is up for renewal, and will be renewed for 1 Year. Al, W6GNI moved the report as distributed be accepted, and was seconded by Merle, KR6BT.

#### Secretaries Report

A correction was noted by Steve AD6VI and should read as follows:

*Steve AD6VI tendered a request on behalf of 'MARA' (Not TASMA) to use the PARC 147.075 repeater on March 27<sup>th</sup> from 8:00 am to 12:00 am local time for their semi-annual 'Mapping' exercise.*

Al, W6GNI moved the secretaries report with the corrections as noted be accepted, and was seconded by Jo, KB6NMK.

#### Discussion Items

Dennis, KD6TUI reported having a discussion with Dan Rawson, our contact with the City of Carlsbad Emergency Services Coordinator, regarding the use of the meeting room. He initially checked with Parks and Recreation as to a 'use agreement', and they indicated one was not required. Dennis will follow up on receiving written formal agreement through Dan.

Steve, AD6VI submitted an e-mail draft of his review to the board, of the names and 'Chairs' as listed in the Scope. He anticipates having it completed by the next board meeting.

There was a discussion of a formal work party at the repeater site to clean out the container, and move the 'good stuff' to the trailer. This is anticipated to be in 'March' when the 'snow' is gone.

Jo, KB6NMK indicated that 'George Rios' who was renting space for his 2 meter repeater is not current with his payments. Dennis, KD6TUI will follow up

with Mike AB6QT, if it is still "on". If the repeater is still desired, Lyell, K6GVM will put him back in the billing cycle to bring him current.

There was a discussion about the club acquiring a laptop computer, and LCD projector, for use by presenters. Dick, K6KAL will check on the projector prices/rentals, and Dennis, KD6TUI will check at laptops plus. (a business in carlsbad).

Al, W6GNI will begin giving Dennis, KD6TUI copies of the club membership database as a 'Backup' should anything happen to Al's PC.

There was a meeting suggestion submitted by 'Wild Bill'. The topic would be 'APRS Basics and Demonstration'. (Automatic Position Reporting System). The board members will be looking for a presenter for this topic.

The club will be looking for someone to Chair the clubs participation at this years Del Mar Fair (June 11 - July 4). Anyone interested should contact Dennis, KD6TUI.

Jo, KB6NMK noted that some of the ad sizes in the Scope were different than being paid for. She will follow up with the editor.

There was a brief discussion on a site for this year's picnic. One primary requirement is water, and restroom facilities.

The 'RF' black holes in north county were briefly discussed, and methods to 'Link' to the palomar repeaters.

## Membership report

Al, W6GNI notes that the club now has 481 members. Two more responses were received as a result of the renewal mailing.

## Repeater Technical

Mike, AB6QT submitted his report by phone to Dennis, KD6TUJ and all systems were working, no problems mentioned.

## Next Board Meeting

The November Board meeting will be held at the home of K6KAL at 7:00 PM on February 11.

The meeting was adjourned at 8:42 PM.

Respectfully submitted,

Dick Kalkofen, K6KAL, Secretary

## Technical Report

Dec. 6, 03: de AB6QT

THANKS! to all who came to the work party that resulted in a lot of things getting done. (Mark started it). The original intent was to get the new battery bank hooked up, however this did not get done due to some other tasks that need to be finished first. During our time at the site, we held a technical meeting to discuss the future plan for the new battery bank. We now know what we want to do and we need to take some more equipment to the site and do some tests before we can make our final decision as to how we want to configure the new battery bank. We worked on the old battery bank to get it operational again. As you may remember, during the recent fires we had some trouble with the DC power at the site. One of the problems was that there was a dead cell on one of the banks which was keeping the bank from working at all since they are in a series string. The problems on the other bank were limited to bad connections which we repaired. Mark KF6WTN, Jim NE6O, Valley Mike KD6VHI, Mt Mike AB6QT, and the club Battery Maintenance engineer Dave KD6EBY worked hard to get the dead cell removed (roughly 250 pounds). Then they all made a joint effort to repair the connections and replace connectors as needed. A lot of BAKING SODA was used during the project. We went through about half of a 12 pound bag. The battery banks were both back online by the end of the day. Also at the site, Art

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## PARC Pre-Meeting Meeting

All PARC members, and any hams planning to attend the PARC meeting, are invited to congregate early in the Carlsbad area and enjoy dinner with the many meeting attendees who relax and enjoy socializing before the PARC meeting. Listen to the 146.730 MHz repeater starting around 5:00 PM, and you will hear members driving to various restaurants for dinner, and an "eye ball" with fellow hams. **A GREAT WAY TO ENJOY THE HOBBY!** See you there.

## Free Tubes

PARC North County Tube Bank offers free tubes for club members. I will deliver tubes to meetings for personal repairs (not for commercial/resale). We have a good assortment of common types (1935-1970).

**E-mail [WB6IQS@juno.com](mailto:WB6IQS@juno.com) or  
call evenings 760-727-3876.**

## Committee Chairmen

AREInfo.	-Dennis S	<b>K7DCG@amsat.org</b>
Attendance	-Al	<b>W6GNI@amsat.org</b>
ATV	-Art	<b>KC6UQH@amsat.org</b>
Auction	-Jim C.	<b>NE6O@amsat.org</b>
Badges new	-Al	<b>W6GNI@amsat.org</b>
Batteries	-David	<b>KD6EBY DAT@Gerry.Palomar.caltech.edu</b>
BBS Monitor	-Bill B	<b>N6FMK@amsat.org</b>
Billing:Ads/etc	-Lyell K	<b>K6GVM@arrl.net</b>
Contest Info	-Dennis V	<b>N6KI@amsat.org</b>
ControlOps.	-filled	<b>W6NWG@amsat.org</b>
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	<b>W6YOO@amsat.org</b>
DennisV	-N6KI	<b>N6KI@amsat.org</b>
Field Day	-Charlie R	<b>NN3V@ARRL.net</b>
FDTech.	-John K	<b>WB6IQS@Juno.com</b>
Inventory	-Dennis B	<b>KD6TUI@juno.com</b>
New Members	-John E.	<b>KG6EQU@amsat.org</b>
Nets	-	
Newsletter	-Ron S	<b>NA6RS@amsat.org</b>
PALBBSpkt	-Bruno H	<b>KF6QDP@amsat.org</b>
Patch Info	-Stan R	<b>W9FQN@amsat.org</b>
PatchETronics	-Jerry H	<b>WB6FMT@amsat.org</b>
Picnic	-Paul D	<b>NN6X@amsat.org</b>
PowerAC/DC	-Mike P	<b>KD6VHI@amsat.org</b>
Programs	-Dennis B.	<b>KD6TUI@amsat.org</b>
Publicity	-	
QSL Cards	-Merle R	<b>KR6BT@Juno.com</b>
RACESinfo	-Jo A	<b>KB6NMK@amsat.org</b>
Red Flag	-	
Rptr Site	-Mike P	<b>KD6VHI@amsat.org</b>
Rptr Skeds	-	
SANDARC	-	
	-	
SellerTable	-John K	<b>WB6IQS@Juno.com</b>
AstSWDivDir	-	
TechSite	-Mike D	<b>AB6QT@amsat.org</b>
TestingVE	-Rusty M,	<b>DuneDancer@cox.net</b>
Training	-	<b>W6NWG@amsat.org</b>
TrusteeW6NWG-Mike D		<b>AB6QT@amsat.org</b>

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

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

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@palomararc.org**

Other addresses of interest:

**Scope@palomararc.org**  
**Board@palomararc.org**  
**Membership@palomararc.org**

KC6UQH worked on the ATV system. He tested the 1265 link transmitter and set the video and audio level for the Santiago receive link. He determined that the loss of audio is in the Valley Center equipment. Mike KD6VHI climbed the tower and readjusted the link transmitter antenna for the direction to the equipment in Valley Center. Mike also re-adjusted some elements on the antenna that were damaged by ice. Mike AB6QT "cleaned up" his mess that he made during the time he was keeping the repeaters on the air during the fires. Let's just say there was a lot of wire everywhere and leave it at that. Greg N7USR did a very expert job at finishing the camper that we put there last summer. It is now ready to start putting things in to for storage.

THANKS to all of you for a JOB WELL DONE de AB6QT

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**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 AD6VI@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

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**Last Month's Goodie's**

Tom KG6RCW  
Fred K6ISS  
Barbara KD6ECD  
Abe W6ABE  
Jim W6SST  
Orlando N6QVW

**Fold & Staple Crew**

KB6NMK Jo & Toby  
W6GNI Al & Kathy & Julie  
W6YOO Harry W6JAC Jerry  
N6UZH Terri & Mathew & Tyler  
KR6BT Merle KG6AEW Bill

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

**Jo Ashley** KB6NMK@amsat.org  
ASSETS December 31, 2003

Cash and Bank Accounts	
CD	2,829.63
CD	2,683.38
CD	3,389.75
CD	2,832.54
Checking	3,326.09
Post Office	97.15
<b>TOTAL ASSETS</b>	<b>\$15,158.54</b>
LIABILITIES	
Pre-paid dues	7,681.00
Prop. Insurance	1,800.00
LIABILITES	\$9,481.00
EQUITY	5,677.54
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>\$15,158.54</b>

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# For Sale

(1.15) **Packard Bell 486SX-25MHz**, 8Meg RAM, 210M HD, 3.5" FD, 5.25" FD, Creative 4X CD ROM & SB16 combo with 14" SVGA monitor. Includes WFWG 3.11 (DOS 6.22) and other software. Needs CMOS battery (\$6-\$10)! Will make a good dedicated packet system if you add a TNC and XCVR. \$40. Contact ad6lp@amsat.org for more info.

(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.

(12.16) **Yaesu FT-230R** 2 Mtr FM Transceiver w/SS32 PL Board \$80.00, **Astron AS-7** Power Supply \$29.00, **Yaesu FT-757GX HF** Transceiver \$350.00, **Yaesu FC-757AT** Auto Antenna Tuner \$300.00, **Yaesu MMB-20** Mobile Mount for FT-757GX \$30.00 or \$600.00 for **FT-757GX, FC-757AT & MMB-20**. **Yaesu FT-227R** 2 Mtr FM Transceiver \$45.00, **Kenwood ST-2** Base Rapid Charger for Kenwood TR-2500 handheld \$20.00, **Kenwood W09-03154** Trickle Chgr for TR-2500 Handheld \$3.00, **Celestron C-8 Catadi-optic 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, **Astron AS-20** 20 amp Power Supply w/manual \$70.00, 2 **Larsen 6 Mtr** 5/8 wave mobile antennas, fits NLA Mounts \$10.00 each, **Swan MMBX** mobile antenna matcher \$10.00. Contact Dennis K7DCG @ 858-748-9046 or email: K7DCG @ ARRL.NET

(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."

***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**

(11.23) **Yaseu, FT-1500M** with DC cable, Mic, mounting bracket, manual and original box. Never used mobile. Non Smoker. \$90.00. 1 year old. Jim WB6YXY 760-758-7655 jkeller@cox.net.

(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

(6.19) 10' Satellite System free to user.

Ron, NA6RS@amsat.org or 760-822-5170

(2.22) **Alliance Heavy Duty Rotator, HD73**, new, unpacked, \$100, **Kenpro KR-400 Rotor**, used, new control box, \$50, **Honda portable gen. EM-400**, 300w, 120v, 12v, \$200, **Koolatron 12v thermal electric cooler/warmer**, \$30, Ivan, W6TET, 619-276-7148, 858-273-0219

(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**,



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**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.**

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

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**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](mailto: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](mailto:W6YOO@amsat.org)

Register 5-7 days in advance for tests.

**Repeater Status**

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

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

**HAM**

**RADIO**

**OUTLET**

H  
R  
O

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

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