



# Palomar Amateur Radio Club

## March 2003

**Date  
Change**

**March Meeting**  
Wednesday Mar. 12, 2003  
Carlsbad Safety Center  
1930 Local

### PARC Repeaters

Palomar Mt. Repeaters (W6NWG)

PARC Trustee: **AB6QT**

\***52.680**- W6NWG, -0.5 MHz.

Autopatches:

**146.730**-, \***147.075**+

\* **147.130**+, \***447.000**-

PKT:

**145.050s** (PALMAR/W6NWG-1)

**146.700**- (Duplex Pkt) PALBBS/  
EMG use

**145.070/146.7** - (W6NWG-3/PALBBS)

ATV "OUTPUT":

**1241.25** MHz. am

ATV "IN":

**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:

Greetings to all, and a most pleasant St. Patty's day month to you. Believe me when I say the past two months have gone by in a flash for me, and I hope you have not had the same trying times!

The Club has a lot of things going on in the woodwork these days. Have you been listening to the chat on the repeaters? Why, with very active General upgrade classes (including opportunities for the students to practice building code oscillators!), several of our members engaged in digital experimentation, and a whole bunch of activities for newcomers and school clubs, the radio hobby has a lot going on in San Diego.

Did you attend last month's meeting? What did you think of that fine ham radio video chronicle with Walter Chronkite? Well guess what? You can now download the video from the ARRL site, and share it with friends, family, and folks who may be interested in learning more about the hobby. Download the video at <http://www.arrl.org/ARToday/>

Speaking of digital experimentation, did you read the article "Digital Audio Broadcasting Has Arrived – the Story of WOR", in March QST? Ah, yes, remember the days when AM stations played music? A phase of AM that disappeared, -BUT NO LONGER! Digital AM broadcasting has arrived in New York (now that the FCC ap-

proved the service and standards), and the quality is CD-ROM style. And, the digital use may spread to ham radio. We may get back on AM yet. To learn more about it, read QST, or visit <http://www.ibiquity.com> and you can even listen to the audio quality and learn more about digital AM.

And just to finish giving you some things to do, have you checked out Echolink? Puts IRLP to shame. The software is free (go to Google and search echolink), download the software, install it, and in 35 seconds you will be operating Voice Over IP (VOIP) talking to hams all over the world. I've spent several hours chatting with mobile operators in Moscow, Madrid, and Buenos Aires, reaching them over their repeaters, without moving from my laptop computer at the office! Also, the roundtable feature allows conference discussions among hams who are on the Internet. So on my weekly Sunday morning 20m and 40 m schedules, when conditions prevent hearing all the stations in our sched, we link up via VOIP and ensure we all hear one another either by RF or by fiber!

Isn't this a wonderful hobby?

73 de NN3V

# Minutes

## Palomar Amateur Radio Club Board of Directors February 12, 2003

The meeting was called to order at 7:06 PM by NN3V at the home of KF6WTN.

Present were:

Pres.-Charlie Ristorcelli, NN3V  
V.P.- Mark Raptis, KF6WTN  
Sec.- Paul Williamson, KB5MU  
Treas.- Jo Ashley, KB6NMK  
Dir.- Jim Cooper, NE6O  
Membership- Al Donlevy, W6GNI  
New Hams- Mike McMahan,  
KG6JMP

### **Treasurer's Report**

KB6NMK distributed copies of the Treasurer's Report. She is collecting signatures for the move to a new bank. **Motion** by KB5MU to accept the Treasurer's Report as distributed. **Seconded** by KF6WTN. Motion **passed** unanimously.

### **Secretary's Report**

KB5MU had distributed the Minutes of the January meeting by email and in the Scope. **Motion** by KB6NMK to accept the Minutes as published. **Seconded** by NE6O. Motion **passed** unanimously.

### **Upcoming Meetings**

KF6WTN reported that the March general membership meeting program will be presented by Bill Brooks, W6JAB, and will be entitled "DX At Any Cost". The April meeting will feature a coax and RF systems specialist from Belden, who will talk about transmitters, coax, and connectors.

### **License Upgrade Class**

NE6O reported that the General license upgrade class is going well with about 25 students. KB5MU is scheduled to speak to the class on amateur radio satellites, followed by KC6UQH on amateur television.

### **Membership**

W6GNI reported that the club has 487 members.

### **Language Complaints**

NN3V reported that a few informal complaints had been received concerning a specific amateur using offensive language on the repeater.

### **New Hams/New Members**

KG6JMP reported a plan to help Boy Scouts set up a HF and VHF ham radio station on March 22 at Mataguay campground, and to work with scouts on the radio merit badge. KG6JMP reported working with KG6KXR to demonstrate amateur radio at La Costa Canyon High School. They talked to Australia via IRLP. Some students signed up, but none have taken any further steps toward becoming involved or getting their licenses.

### **Brochure Update**

KG6JMP is working on updating the club's brochure. It will be distributed on paper and as a PDF file on the web site.

### **Repeater Site Report**

KF6WTN relayed a report from KD6VHI that a shelf has been prepared for the re-installation of the ATV repeater equipment.

### **Scope Space**

NN3V relayed comments heard on

the air regarding material not being published due to space constraints in the Scope. NN3V will suggest to NA6RS that he increase the size of the Scope to 10 pages when needed and try to cram more material onto the available pages.

### **Field Day Rules Change**

NN3V reported that he is investigating the new rules for Field Day 2003, to see whether we can take advantage of the new class 'F' entry category.

### **Repeater Site Agreements**

NN3V had distributed via email a draft of an updated agreement document to be used with other organizations operating repeaters at the club site. Several Board members had comments. NN3V will update the draft and distribute again for further review.

### **ARES Upheaval**

The Board exchanged views and rumors on the recent changes to ARES leadership, especially as it may impact the emergency service nets held on club repeaters. The Board will ensure PARC continues to support amateur radio emergency preparedness, and is committed to ensuring that PARC resources support community interests at large, regardless of transitory differences among emergency service organizations. No formal action was taken.

### **Next Board Meeting**

The Board will meet at 7:00 PM on Wednesday, March 5, at the home of NE6O. This would normally be the night of the general meeting, but the general meeting has been rescheduled to the second Wednesday for this month. The meeting was adjourned at 8:45 PM.

Respectfully submitted,  
Paul Williamson, KB5MU, Secretary

### Last Month's Fold & Staple Crew

KR6BT Merle K6ML Jim P  
 KB6NMK Jo W6YOO Harry  
 KB6YHZ Art & KB6YHY Anita  
 KG6AEW Bill W6GNI Al  
 N6UZH Terri & Toby & Matthew

### February Goodie's

Ed W6ABE

## Club Membership

New Members Joining PARC:

**KF6UFZ, AJ7SK, KF6VMF,  
 KG6NRR, KS5U, WU6Q**

We had 7 "old" members reinstate their membership after considerable delay. Welcome back. **W9FQN** (Stan) renewed for 7 years. Thank you!

No one sent me notice that they were overlooked for participation points for bringing "Goodies" to the December meeting (party). Therefore, I guess we have all of them entered.

Check your label this month to see how many participation points are in the database for you –so far. With any luck, the points will be printed after your name (line 2 for most labels). We do not print any less than 1. No zero's.

Al  
 W6GNI

## The Newcomer's Corner

PARC extends a special greeting to all of our new members, especially those who are new to ham radio! The following benefits are part of your membership:

\* A roster of the PARC membership is available from Al Donlevy at the meeting or by email at [W6GNI@amsat.org](mailto:W6GNI@amsat.org).

\* Auto-patch access (PIN registration and instructions on operations) is also available from Al Donlevy.

\* If you'd like a little extra advice from one of our experienced members, please contact Mike McMahan, **KG6JMP** by email at [KG6JMP@amsat.org](mailto:KG6JMP@amsat.org). He will match you with an elmer/mentor.

Don't forget our great website... [www.palomararc.org](http://www.palomararc.org). It has the schedule of the Nets, info on events, even pictures from the last picnic!

Again, welcome to PARC and congratulations on joining an organization that has been benefiting amateur radio in San Diego County since 1936.

73 de Mike, **KG6JMP**  
 Board Member representing New

## 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.**

## Radio Setup Helpers

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[www.niftyaccessories.com](http://www.niftyaccessories.com)

Bernie – N6FN [berniel@amsat.org](mailto:berniel@amsat.org)

## 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.

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

**Jo Ashley** [KB6NMK@amsat.org](mailto:KB6NMK@amsat.org)

ASSETS 1/31/03

Cash and Bank Accounts	
CD	2,618.89
CD	2,780.05
CD	2,750.36
CD	3,348.31
Checking	2,067.48
Post Office	95.57

**TOTAL ASSETS \$13,660.66**

LIABILITIES	
Pre-paid dues	11,622.00
Prop. Insurance	1,200.00

**TOTAL LIABILITES 12,822.00**  
**EQUITY 838.66**

**TOTAL LIABILITIES & EQUITY \$13,660.66**

## Committee Chairmen

AREInfo.	-Dennis S	<b>K7DCG@amsat.org</b>
Attendance	-Al	<b>W6GNI@amsat.org</b>
ATV	-Art	<b>KCGUQH@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>
By-laws	-Paul	<b>NN6X@amsat.org</b>
&	-Ron	<b>RWA9JCL r3mb@concentric.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>
Historian	-	
Interference	-	
Inventory	-Dennis B	<b>KD6TUJ@juno.com</b>
MtgGoodies	-Jim E	<b>W6SST@juno.com</b>
Membership	-Al W6GNI	<b>aldonlevy@juno.com</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	-Mark R	<b>KF6WTN@amsat.org</b>
Publicity	-Fred S	<b>K6ISS@amsat.org</b>
QSL Cards	-Merle R	<b>KR6BT@Juno.com</b>
RACESinfo	-Jo A	<b>KB6NMK@amsat.org</b>
Red Flag	-	
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>jwak6fp@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**

## Palomar Amateur Radio Club Participation Points

Attending or participating in various organized functions of the Palomar Amateur Radio Club earns Participation Points.

The "points" are redeemable for tickets for the drawing at the Annual Club Picnic, usually held in September or October each year. There is a maximum of 20 tickets for the drawing that may be claimed by any member of the club in good standing at the time of the picnic. (Or by a member's written proxy). In accordance with the by laws of Palomar Amateur Radio Club, the period for earning points for the year is from August 1 through July 31. Participation points are earned by participating in the following activities (And other activities that the Board of Directors may approve): **One point:** Attending the Monthly Club Meeting, attending a Board Meeting, bringing "Goodies" to the club meeting, Fold & Staple for SCOPE mailing, Pre Field Day work parties, Field Day setup, Field day activities (Saturday), Field Day take down (Sunday), and other Approved Work Parties. **Two Points:** Repeater site work parties, Picnic (see below for special conditions). **Five Points:** Committee Chairmen. **One to Five Points:** Net Managers and their recommendations. **One to Ten Points:** Equipment construction. Information on a member's participation is collected from sign in sheets at the various organized functions, and also from activities described in the SCOPE. Net Managers and others that wish to recommend point assignments must make their written recommendations prior to the end of July each year. E-mail is considered "written".

Even though the picnic is after the cut-off date stated in the bylaws, in order

## Contest Corral

Mar 1 ARRL Int'l DX Contest, SSB  
 Mar 2 DARC 10 Meter Digital Contest  
 Mar 8 RSGB Commonwealth Test, CW  
 Mar 8 Great Lakes QSO Party  
 Mar 9 NA Sprint, RTTY  
 Mar 9 Wisconsin QSO Party  
 Mar 15 BARTG Spring RTTY Contest  
 Mar 15 Virginia QSO Party  
 Mar 21 Oklahoma QSO Party  
 Mar 24 Homebrew QRP Sprint  
 Mar 29 CQ WW WPX Contest, SSB  
 Apr 5 MARAC County Hunters, SSB  
 Apr 5 Missouri QSO Party  
 Apr 5 QCWA QSO Party

Something for everyone. CW, SSB, and RTTY, state QSO parties and International DX Contests. Contests for the Mobiliers and for the Old Timers. Complete contest rules may be found in QST, CQ, NCJ, and Worldradio magazines. CU in the contest.

73, Harry, W6YOO

that each member in good standing attending the picnic has an opportunity to participate in the drawing, each member attending will receive a ticket at the picnic, within the limit of 20 tickets. In addition, each member attending the picnic, and signing the attendance record will be credited with a point for the following year. In effect, making the picnic worth two participation points for a person attending and signing the register.

## P.A.R.C. Inc (2002 Board)

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

**VP:** Mark Raptis KF6WTN  
 760.749.4825 KF6WTN@amsat.org

**Sec:** Paul Williamson KB5MU  
 858.571.8585 KB5MU@amsat.org  
 760.742-9924 Palomar Mt.

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

**Dir#1:** Merle Risdon KR6BT

**Dir#2:** Jim Cooper NE6O  
 760-727-8446 NE6O@amsat.org

**Repeater Site:**  
 Mike Pennington KD6VHI  
 760.749-8888 KD6VHI@amsat.org

**Membership:**  
 Al Donlevy W6GNI  
 760.630.3096 W6GNI@amsat.org

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

**Membership Committee:** KG6JMP  
 Mike Mc Mahon KG6JMP@amsat.org  
 (non-voting Member)

Jeff N6FRW

Grace N6WPA

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## Web Pages

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

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

ARES Alert Publication  
<http://www.qsl.net/sdgarrl/alert.htm>

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

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# For Sale

(2.23) **Ten-Tec 516 Argonaut**, HF with Pwr. Supply, 4 Mo. Old, Not used, See CQ Mag. Feb. '03, Paid \$905, sell for \$600, Carl, N6HLY, 858-538-0546

(2.22) **Alliance Heavy Duty Rotor, 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

(2.22) **PALM V** Accessories, 1 serial Hot Sync, 1 USB Hot Sync, 1 Portable recharger, 1 leather case. \$15 each or offer, Gayle, K6GO 858 673 9201 or k6go@amsat.org.

(2.22) **60' Motorized Tower**, fold over, new motor, w/Mosley Pro 57 5 band ant. \$800, 3 ele. Hy-Gain beam, free, Ron, NA6RS, 760-822-5170

(2.12) **PALM V** Accessories, 1 serial Hot Sync, 1 USB Hot Sync, 1 Portable charger, 1 leather case. \$15 each or offer, Gayle, K6GO 858 673 9201 or k6go@amsat.org.

(2.1) **Ten-Tec Argonaut**, Model 516 HF w/ps, 4 mo. old, see Feb. CQ mag. Paid \$905, Sell \$600, N6HLY, Carl, 858-538-0546

*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**

(1.20) **Uniden Bearcat Scanner** Model # BC890XLT, Like New with Hamtronics Pre-Amp. One Owner asking \$75.00 OBO. Call Bayard K6GAO at 858-755-5507. I also Have for Sale (1) **Speaker** Kenwood Communication Asking \$10.00. I Have (1) Kenwood SP-70 For Kenwood VHF Radios Asking \$15.00 OBO. Call Bayard K6GAO 858-755-5507.

(1.3) **Kenwood TS-440S** HF w/mic. and manuals, Astron PS-20A PS, MFJ-949E Tuner, All in good condition, \$300, Oliver W6UAL, 760-940-4274

(1.18) **GENRAD (General Radio) counters.** QTY 2. Models 1192 and 1192B. They worked the last time I used them, but I have moved on to newer equipment. With Manual. \$30 takes both. 760-742-1573 Mornings. de AB6QT.

(11.18) Class A **motor-home cover**, 22' => 26' length w/ extra sun-protection material cost new \$358 incl. tax, **now \$100**; (760) 945-1367 Mark WA6DOC

(11.11) Yaesu FT- 1500M Like New in Box with ADMS-2F computer Program and Cable for interface for programming freqs. into radio. Please Call Bayard K6GAO at 858-755-5507. You Can E-Mail me at rehkopf@mail.sdsu.edu.

(11.6) **TEN TEC 525 Argosy** HF tvr, 10-100 w, 10-80m. 215 pc mike, 225 ps. 227 antenna tuner. ideal beginner station. tr analog tuning knob needs calibrating. all manuals. \$200 Pat KD8CA. 619-523-1833.

(11.2) Aluminum 50 ft. Tower - Five section free standing with base supports. Made by Universal Co. \$100 or make offer. Richard, W6RLC 619-224-9900 Richard L. Carey W6RLC

(10.25) Radio Shack 300-Channel **Handheld Trunk Tracker Scanner.** Pro-90 model. 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.

(9.20) **Cushcraft A3S 3 element tri-band beam** for 10M, 15M and 20M. You can buy it new at HRO for \$399.95. I am selling mine used for \$150.00 complete. Delivery is available. Contact Loren (760) 724-4644 AD6ZJ@ARRL.NET

(7.4) **Bearcat 235** trunktracker \$100, **Bearcat 245** w/comp cable \$150, box, manual. Bearcat III--8 ch. crystal scanner-\$20. Steve KO6ET@Juno.com

## WANTED:

### Employment :

Experienced Software and Manufacturing Test Engineer looking for work in San Diego area. For my resume, please send email to ki6gd@arri.net. Phone: (760) 599-8925 Vista CA, 73, Glenn KI6GD

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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

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

**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
Saturday	2015	147.130	ARES Staff 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>Operational</b>

**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!*

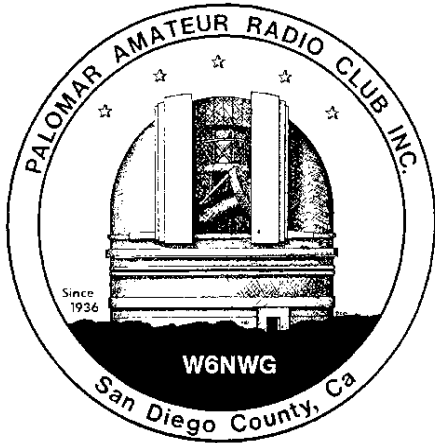
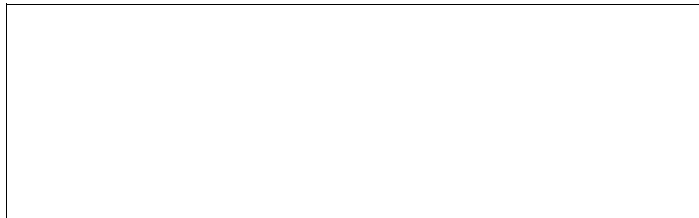
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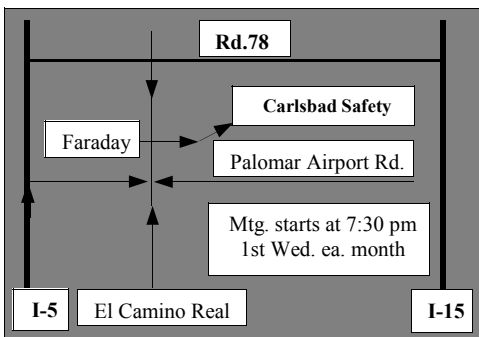
scope

*Palomar Amateur Radio Club Inc.*

*also ATV &  
4 Autopatches*

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