



Palomar Amateur Radio Club

July 2003

July Meeting

Wednesday July 2, 2003

Carlsbad Safety Center

1930 Local

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

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.

Greetings all, as we quickly pass the mid-point of 2004. Imagine that, less than 6 months left to Christmas! Time to start making the list of ham goodies and checking it twice. I recommend the worldwide web for early ham radio shopping. You can order now, and not wait!

As you know. FD came and went. And because of the schedule this year, we do not yet have a summary of how things turned out, but we had a lot of fun. Stay tuned for next month's Scope.

I must call to your attention the fantastic work that KD6TUJ, WB6IQS, and KF6WTN are performing in straightening out the PARC equipment container. As one of the largest ham radio clubs in Southern California, PARC members are fortunate to have access to a significant amount of "back-up" gear. Regrettably, the accumulation from many years of "hoarding" left us with quite a mass of "stuff". And not all of it was very serviceable.

But KD6TUJ & "the crew" have quietly removed much of the junk err treasures, organized the remainder, and fabricated storage racks and overhangs (for the antennas). The lighting system inside the container is now installed and operating, and I am pleased to say they have us at a point where

the equipment is available for PARC member use.

Did you read about the PARC equipment loan program? It was commented upon in last month's SCOPE. If you are interested and believe we have something you could borrow for your use in getting back into the hobby, let us know and we will try to help. Details at <http://palomararc.org>

Ready for the Club picnic? Watch these pages and pay attention to what KR6BT (Merle) has to tell us about the picnic. It will be fun, and will be different.

Congratulations to Paul, KB5MU, for receiving an Honorable Mention Award for his photography at the Del Mar Fair. This is a BIG deal...over 3,000 pieces are submitted, many by seasoned professionals. Well done Paul!

As I have in the past, I once again encourage you to help us identify subjects you would like to have covered as PARC meeting program topics. While we try to keep things "fresh", we are human and can get tunnel vision about matters of interest.

So, send those program suggestions and we will do our best. Of course, if you send a suggestion

Minutes

Palomar Amateur Radio Club Board of Directors

June 11, 2003

The meeting was called to order at 7:00 PM by NN3V at the home of KR6BT. Present were:

President Charles Ristorcelli, NN3V	Secretary Paul Williamson, KB5MU
Treasurer Jo Ashley, KB6NMK	Director Merle Risdon, KR6BT
Director Jim Cooper, NE6O	Membership Chairman Al Donlevy, W6GNI
New Hams/New Members Representative Mike McMahon, W6MBM	
Visitor Steve Early, AD6VI	Visitor Layne Jensen

Treasurer's Report

KB6NMK distributed the Treasurer's Report. The CD entries were not updated this month since the bank omitted one of them from the statement. WB6IQS was reimbursed for materials used to repair/rebuild tower bases for Field Day. Motion by KB5MU to accept the Treasurer's Report. Seconded by W6GNI. Motion passed unanimously.

Secretary's Report

KB5MU had distributed the Minutes of the May meeting by email (but not in the Scope). Motion by W6GNI to accept the Minutes as published. Seconded by KB5MU. Motion passed unanimously.

New MARA President

AD6VI introduced Layne Jensen, recently elected President of the San Diego chapter of MARA.

Section Manager Nominations

AD6VI pointed out that nominations for the upcoming ARRL Section Manager elections will be due later this year. This election will be important for the future of emergency communications in the Section.

Net Preambles

NN3V noted that the Board decision not to permit unapproved changes to net scripts is being ignored by some of the net controls on the Sunday 0830 emergency communications net. Motion by KB6NMK that the President send another email message to K7DCG, forwarding the previous message and reminding him to instruct all net controls to revert to the old script until such time as a new script has been

submitted and approved. Seconded by W6GNI. Motion passed unanimously.

Red Cross Communications

Speaking as acting communications officer for the Red Cross, AD6VI asked about the procedure for obtaining repeater access during emergencies. KB6NMK stated that organizations usually enter into a written agreement with the club in advance.

Trailer Storage

NN3V noted that the club trailer currently being stored by N6PIG needs a new home after Field Day. Several possibilities were discussed.

Dues Increase

NN3V raised the issue of the dues increase, approved in January but laid on the table at that time due to confusion about the provisions of the Bylaws regarding effective dates for dues changes. NN3V led the Board through a study of the Bylaws provisions. The Bylaws call for dues changes to take effect with the club fiscal year, but there is no definition of the club's fiscal year, and we do not currently use a fiscal year separate from the calendar year. Motion by NE6O to define the fiscal year for purposes of dues to run from the 1st of August through the 31st of July of the following year. Seconded by KR6BT. Motion passed unanimously. Motion by NE6O to re-adopt the dues increase approved in January to \$18 per year for individual members and \$30 per year for family memberships, effective August 1, 2003. Seconded by KR6BT. Motion passed unanimously.

License Upgrade Class

NE6O reported that the General license

upgrade class had ended, with at least six people known to have upgraded successfully.

Picnic Location

KR6BT led another discussion of possible picnic sites, without conclusion.

During this discussion NN3V left the room to run the Field Day net, and KB6NMK took the chair.

PARC Brochure

W6MBM displayed samples of the first print run of 1,000 of the new PARC brochures. These brochures can be used until August, when a revision will be required to incorporate the new dues amounts.

Membership

W6GNI reported that the club has 494 members.

At this point NN3V resumed the chair.

Next Board Meeting

The July Board meeting will be held at the home of NN3V on July 9, 2003, at 7:00 PM.

The meeting was adjourned at 8:19 PM.

Respectfully submitted,

Paul Williamson, KB5MU, Secretary

Club Membership

New Members Joining PARC:

KE6TXQ, KD6SXF, KG6RAS,
KG6PRR, KG6QAH, and KG6RCR.

KT6UK extended to 10 years. Thank you!!

We had 1 "old" members reinstate his membership after considerable delay. Welcome back.

Be sure to read about the upcoming change in dues structure. Renewals sent by mail must be postmarked prior to August 1st to receive the "old" rate.

AI, W6GNI

Some Of The Things You Wanted To Know about Time *

The Royal Greenwich Observatory

Prior to 1948, the observatory at Greenwich (located on a hill back from the Thames River with a view of the London Docks) was known as the Royal Observatory.

In 1948, the observatory moved to Herstmonceux Castle in Sussex, becoming the Royal Greenwich Observatory (yes, even though it wasn't at Greenwich any more!).

The site at Greenwich became known as the Old Greenwich Observatory and the historic buildings and instruments were progressively incorporated into the National Maritime Museum, the main buildings of which are located at the foot of Observatory Hill, close to the river. Highly recommended for a visit if you're in London!

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.

* 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, W6MBM by email at W6MBM@amsat.org. He will match you with an elmer/mentor.

Don't forget our great website... 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.

Board Member representing New Members/New Hams

W6MBM@amsat.org

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 or call evenings 760-727-3876.

Radio Setup Helpers

Laminated Quick Help
Operating Aids For
Kenwood, Icom and Yaesu
HT and Mobile Radios



Simplify Setup
and Operation

Mini-Manuals for:
IC-706MKIIG, FT-100D
FT-817 and Other Radios

Nifty Ham Accessories
320 East Second Ave. • Escondido, CA 92025
(760) 746-7411 • n6fn@niftyaccessories.com

www.niftyaccessories.com

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

ASSETS 5/31/03

Cash and Bank Accounts	
CD	2,654.98
CD	2,788.26
CD	3,364.28
CD	2,811.02
Checking	3,916.95
Post Office	95.88

TOTAL ASSETS **\$15,631.37**

LIABILITIES

Pre-paid dues	13,571.00
Prop. Insurance	1,200.00

TOTAL LIABILITES 14,771.00
EQUITY 860.37

TOTAL LIABILITIES & EQUITY **\$15,631.37**

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
By-laws	-Paul	NN6X@amsat.org
&	-Ron	RWA9JCL r3mb@concentric.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
Historian	-	
Interference	-	
Inventory	-Dennis B	KD6TUJ@juno.com
MtgGoodies	-Jim E	W6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
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	-Mark R	KF6WTN@amsat.org
Publicity	-Fred S	K6ISS@amsat.org
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
AstSWDvDir	-	
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@palomararc.org**

Other addresses of interest:

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

Following the closing of the RGO in the fall of 1998, the Old Greenwich Observatory was re-named the Royal Observatory Greenwich.

Greenwich Mean Time is a time scale based on the apparent motion of the "mean" sun with respect to the meridian through the Old Greenwich Observatory (zero degrees longitude). The "mean" sun is used because time based on the actual or true apparent motion of the sun doesn't "tick" at a constant rate. The earth's orbit is slightly eccentric and the plane of the earth's orbit is inclined with respect to the equator (about 23-1/2 degrees) hence at different times of the year the sun appears to move faster or slower in the sky. That's why an uncorrected sundial can be "wrong" (if it is supposed to be telling mean time) by up to 16 minutes. So if the mean (i.e. corrected) sun is directly over the meridian through Greenwich, it is exactly 12 noon GMT or 12:00 GMT (Prior to 1925, astronomers reckoned mean solar time from noon so that when the mean sun was on the meridian, it was actually 00:00 GMT. This practice arose so that astronomers wouldn't have a change in date during a night's observing. Some in the astronomical community still use the pre-1925 definition of GMT in the analysis of old data although it is recommended that the term Greenwich Mean Astronomical Time now be used to refer to time reckoned from noon.)

Mean time on selected meridians 15 degrees apart is generally known as standard time. For example, Eastern Standard Time (EST) is the mean solar time of the meridian at 75 degrees W.

With thanks to Richard B. Langley, Geodetic Research Laboratory, Dept. of Geodesy and Geomatics Engineering, University of New Brunswick, Fredericton, N.B., Canada E3B 5A3

Contest Corral

July 1 Canada Day Contest
 July 4 QRP Sprint Contest
 July 5 Venezuela CW/SSB Contest
 July 5 KY QSO Party
 July 12 IARU HF Contest
 July 12 FISTS Summer Sprint
 July 19 CQ WW VHF Contest
 July 19 NA QSO Party, RTTY
 July 26 Islands on the Air Contest
 July 26 Russian WW RTTY Contest
 Aug 2 NA QSO Party, CW '
 Aug 9 Worked All Europe DX Contest, CW

Lots of contests this month, QRP to Hi Power, CW to Digital, Sprints to full weekends, HF to VHF. Something for everyone including WAS and IOTA chasers. Complete rules in CQ, QST, NCJ, and Worldradio. CU in the Contest.

73 de Harry, W6YOO

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: W6MBM
 Mike Mc Mahon KG6JMP@amsat.org
 (non-voting Member)

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

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>

May Goodie's

Ed, W6ABE Preston, W6ASP

Ed, KG6PVN Darrell, KC6OLD

Last Month's Fold & Staple Crew

KR6BT, Merle K6ML, Jim

KB6NMK Jo & Toby

KB6YHZ Art & KB6YHY Anita

W6GNI, Al W6HCD, Nash

KG6AEW, Bill

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: rpf@rfparts.com

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

RF PARTS, 435 S. Pacific Street

San Marcos, CA 92069

For Sale

(6.19) 10' Satellite System free to user.

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

(6.12) **GENERATOR Generac 3500XL** Rated (Running) 3500 Watt, Surge (Starting) 4375 Fuel Tank 4.00 Gallons, Engine 6.5 HP Generac OHVI Weight 115 Lbs, \$ 425.00, (Used about 10 total hours run time.) **K6KAL Dick Kalkofen** (760) 519-0670

(5.29) Yaesu Handheld **FT-709R** \$35.00 , **ICOM IC-2AT** With PL and New Battery \$40.00, **ICOM IC-3AT** 220 HZ, No PL. \$35.00 . **Wilson MARK IV** 2 M. Handheld, No PL Make Offer. Call Bayard K6GAO 858-755-5507

(5.18) **2 Citech Dot Matrix Printers** Model 310 w/manual \$30.00/ea. **Regency Model HR-6** 6 Mtr FM Transceiver w/10 pairs of xtals. \$40.00, **Yaesu FT-230R** 2 Mtr FM Transceiver w/SS32 PL board. \$100.00, **Realistic HTX-202** 2 Mtr FM Handheld w/alkaline Batt pack. \$50.00, **AEA PK-232MBX** w/manual and ac power pack. \$50.00, **Demon Dialer** w/manual and ac adaptor. \$30.00, **MFJ-941D Versa Tuner II** antenna tuner. \$60.00, **Kenwood ST-2 Base Charger** for Kenwood TR-2500 handheld. \$30.00, **Kenwood W09-0315 Wall Trickle Charger** for TR-2500 handheld. \$10.00, Dennis K7DCG @ 858-748-9046 or email: K7DCG@arrl.net

(5.13) **Swan 350 with 117XC PS & Desk Mic** \$185.00, **Atlas 215X** with lower output on 160,80&40 \$80.00, **Atlas 210x** no TX or RX \$40.00, **Swan PSU-5 PS** \$75.00, **Swan WM-3000 Peak Reading Wattmeter** \$40.00, **Drake DL-1000 Dummy Load** \$60.00, Nye Viking **Low Pass Filter** \$15.00. Jim WB6YxY 760-758-7655 jkeller@cox.net.

(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**

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

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

(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.

(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:

(4.10) Mid sixties color CRT. Number RE21FJP22 OR RE21FBP It does not have to work, but it does have to be under vacuum. de AB6QT Mike. 760-742-1573 or email at ab6qt@amsat.org.

(3.1) Medium to heavy duty shelving needed. Prefer 18 inch deep. For use in the PARC cargo container. Call Dennis KD6TUJ for drop off or pick up. 760.722.0251

The cargo container, now hosted by TOWizard, is continuing in it's organizing. Most items are now on shelves, but we can

use more. The club has taken in donations from two past members recently. Several antennas, some test equipment, and lots of parts.

STOLEN!! Icom IC-706 MKII
Serial # 010954
(KH6OG) Bill, 619 237-1142

Once upon a time in the kingdom of heaven, God was missing for six days.

Eventually, Michael the archangel found him, resting on the seventh day. He inquired of God. "Where have you been?" God sighed a deep sigh of satisfaction and proudly pointed downwards through the clouds, "Look, Michael. Look what I've made."

Archangel Michael looked puzzled and said, "What is it?" "It's a planet," replied God, "and I've put Life on it. I'm going to call it Earth and it's going to be a great place of balance." "Balance?" Inquired Michael, still confused.

God explained, pointing to different parts of earth. "For example, northern Europe will be a place of great opportunity and wealth, but cold and harsh, while southern Europe is going to be poor but sunny and pleasant .

"I have made some lands abundant in water and other lands parched deserts. This one will be extremely hot and while this one will be very cold and covered in ice." The Archangel, impressed by God's work, then pointed to a land mass and said, "What's that one?" "Ah," said God. "That's California, the most glorious place on earth. There are beautiful beaches, deserts, streams, hills, and forests. The people from California are going to be handsome, modest, intelligent and humorous and they are going to be found traveling the world. They will be extremely sociable, hardworking and high achieving, and they will be known throughout the world as diplomats and carriers of peace."

Michael gasped in wonder and admiration but then proclaimed, "What about balance, God? You said there would be balance!!!"

God replied wisely, "Wait until you see the idiots I put in Sacramento."

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



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
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

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

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.XXX No. 7, July 2003, published monthly by PARC
1651 Mesa Verde Dr., Vista, CA, 92084. *Periodicals postage pd. at Vista, CA 92085.*
Dues \$12/yr or \$21/family/yr (includes newsletter subscription)

Editor: 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

