



Palomar Amateur Radio Club

June 2004

June Meeting

June 2, 2004

Carlsbad Safety Center

Bill Calderwood, K1CT,
speaking on 'Super Conduc-
tive Applications for Amateur
Radio'

(see Page 3 for details)

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

Well, the annual event that is "The Most Fun You Can Have With Your Radio Turned ON" is upon us. FD will be worked, *and enjoyed* by PARC this month. If you are not aware of the plans, then you should listen to 146.730MHz repeater every Wednesday night this month at 8:00 PM. That is when we host the PARC FD Planning net.

Elsewhere in this Scope you will find amplifying information on FD, so I will not go into detail, other than to encourage you to at least come out and see what the Club will be doing, and also participate in the FD picnic to be held at 4:00 PM on Saturday June 26th. at the Carlsbad safety center. All we ask is that you bring a potluck share plate. The Club puts on the heavy lift food (burgers, hot-dogs, colas).

I remind all of you that we are looking for volunteers to start picking up some of the traditional Club assignments needed to keep us a viable club. We continue to look for another SANDARC representative, and you will find a description of the tasks in a separate note included herein. It is a very benign set of duties, but of importance for the Club. SANDARC does coordinate amateur radio activity in San Diego county, and as the largest amateur radio club in San Diego County, we would be remiss in not providing strong voice for our club's member interests in the hobby here in the county.

I hope to see you at the meeting this month. You will find it a fascinating presentation.

73 de NN3V

Wanted Scope Editor

Contact Charlie, nn3v@amsat.org
or (858) 676-.3307

Ron Surfield, NA6RS

I have been our Scope editor for the past several years and it has been a real pleasure to serve our club in North County, San Diego. As many already know, I am a pilot by profession and have been in California for the past 20 years, but the need to be a 'grandfather' has had to take precedence over this heavenly weather. In April, I moved back to Maryland to be close to my family and started at a new job that allows me to base out of there. Unfortunately, I have to do a lot more international travel as I will be flying a larger Falcon 900B and cannot always be available to do this job. It is time for someone to take the reins. I know that I have been extremely gratified to serve as your editor and know that my replacement will be also. We have a great club, but it needs people serving in many areas to make it even better. It's been a great experience to work with the individual hams that have supported me as well as the club over the years. I really appreciate the feedback, both positive and the negative, as it helps me to build a better newsletter. I will try to work the job until a replacement steps forward, but my time is limited. Thanks for being a great club.

73, Ron NA6RS

Minutes

Palomar Amateur Radio Club Board of Directors

May 12, 2004

The meeting was called to order at 7:04 PM by NN3V at the home of KB6NMK. Present were:

President, Charles Ristorcelli, NN3V

Director Merle Risdon, KR6BT

Treasurer, Jo Ashley, KB6NMK

Membership Chairman, Al Donlevy, W6GNI

Repeater Technical, Mike Doyle, AB6QT

Director, Stephen Early, AD6VI

Secretary, Dick Kalkofen, K6KAL

Treasurer's Report of 4/14/2004

Jo, KB6NMK submitted the Treasurer's Report. Al W6GNI moved the report as distributed be accepted, and was seconded by Steve, AD6VI.

Secretaries Report

Jo, KB6NMK moved that the report as distributed to the board and published in the scope be accepted, and was seconded by AL W6GNI.

Discussion Items

Dick K6KAL Submitted a final selection report with two choices, an Epson PowerLite S1+, and the InFocus DLP X1. There was a discussion

of features of both units, and with the price being relatively the same, the features of the InFocus unit made it the logical choice for the clubs needs. Merle, KR6BT made a motion that the club purchase the unit, and was seconded by Steve, AD6VI. The motion was put to a vote. There were 5 in favor, and 1 opposed. The motion carried.

Charlie, NN3V speaking as the field day coordinator submitted a request to approve a \$ 400.00 allocation for field day expenses. Merl, KR6BT made a motion that the allocation be approved, and was seconded by Jo, KB6NMK. The motion was carried.

There was a discussion about seeking another SANDARC representative, as Sybill Allbright, will be stepping down.

Steve, AD6VI, will submit an outline to the Scope, describing the duties, in the hopes that a member will step up and volunteer for the position.

A question was raised as to the next work party at the site, and Mike, AB6QT reported that none was scheduled at this time.

Mike, AB6QT reported that he would get the travel trailer that is at the site ready to be moved to a disposal location. Merle, KB6RT will assist in the arrangements with mid July as the target date.

Mike, AB6QT questioned as to who would take over the trusteeship of the repeater license, and Charlie NN3V said he would volunteer.

Jo, KB6NMK received a request from the Palomar Mountain Planning Organization for a donation. Al, W6GNI made a motion that the club donates the same amount as last year (\$25.00). Steve, AD6VI seconded the motion, and it was carried,

Steve, AD6VI reported that he is nearing completion of the PARC Committee Chairmen list.

Merl, KR6BT will be giving us an update on the arrangements for this year's picnic, and will publish it in the SCOPE.

Membership report

Al, W6GNI notes that the club now has 456 members down 10 from last month.

Repeater Technical

Mike, AB6QT reported that the 447.00 repeater has a transmit frequency drift, and will correct this issue, and have the repeater on-line shortly.

Repeater Site

There was no site report at this meeting.

Next Board Meeting

The June board meeting will be held at the home of Charlie, NN3V at 7:00 PM on June 9th.

Steve, AD6VI made the motion to adjourn the meeting, and was seconded by Jo, KB6NMK

The meeting was adjourned at 7:48 PM.

Respectfully submitted,

Dick Kalkofen, K6KAL, Secretary

June's meeting will feature: K1CT, Bill Calderwood speaking on 'Super Conductive Applications for Amateur Radio'

July's meeting will feature: a presentation by Mark, W6FTN

Club Membership

New Members Joining PARC:

W5NYV and KG6URD.

We had 2 "old" members reinstate their membership. Welcome back.

Be sure to check your label this issue, your "participation points" are printed there. Zero's are not printed. Come to the monthly club meeting, get 1 point, bring something for the Goodie Table, get another. Field day is a great way to earn points, setup, operate, help, tear down, etc. Be sure to sign the sign in sheets! Participation points are exchangeable for prize drawing tickets at the Annual Club Picnic. (Max 20 tickets per person. Several have 20 or more points already!)

Al, W6GNI

June Program

K1CT (Bill Calderwood) will present a program on about cryogenic super-conducting electronics, and the future possibilities for radio and electronics in general. Discussion will be about high temperature superconductor(HTS), high quality/low loss RF filters, high sensitivity super-conducting antennas, and extremely high-speed low temperature super-conducting (LTS) digital electronics. Bill is a recently retired Naval Officer, who devoted his career to signals intelligence and exploitation, with a specialty in radio propagation and radio system design and development. I am sure you will find the presentation to be fascinating.

Field Day Calendar

When?

June 25th. – 27th, 2004

Where?

Carlsbad Safety Center

2560 Orion Way, Carlsbad, CA.

What?

Multiple transmitters, All Bands, All Modes, Anyone can operate anything!

Next?

Planning Net On Wednesday Evenings, 8:00 – 9:00 PM 146.730 MHz Repeater

Needed:

Volunteers to organize, collect, and set-up equipment

Operators, Operators, and more Operators

Interested?

Contact NN3V@amsat.org

Or

Join The FD Planning Net

Come have the most fun you can have with your radio on!



Photo by Bob Gonsett-W6VR from I-15 north of Temecula
<http://fallbrookarc.org/images/IndiaFire5-04W6VR.jpg>

See "CELL PHONES" page 5

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Field Day Schedule

Friday June 25th 3:00 PM – 12:00 AM
Saturday June 26th:

Equipment set-up. Principal large equipment arrives. Start tower and antenna set-up.

RVs and generators placed on site. Preliminary operations to test transmitters and related equipment.

Saturday June 26th 5:00 AM – 12:00 AM
Sunday June 27th:

Finish equipment and logistics set-up. Road Kill Café serves breakfast.

11:00 AM: ARRL FD operations begin. 24 hours of uninterrupted radio operation.

All PARC members participating in FD on site. Public displays and demonstrations all day. Guests and VIPs anticipated throughout the day, most likely in evening hours.

Potential for local TV coverage.

4:00 – 6:00 PM: **PARC annual FD picnic.**

Sunday June 27th 12:00 AM – 4:00 PM:

Radio operation continues through 11:00 AM

PARC members **start removal of all equipment at 11:00 AM.** Policing of area is done completely, and all equipment and members depart the site by 4:00 PM

CELL PHONES FAIL TO WORK DURING FIRE, HAMS PROVIDE COMMUNICATIONS

By Ron Patten-KG6HSQ

From the Fallbrook Amateur Radio Club Bulletin, June 2004.

Photo by Bob Gonsett-W6VR from I-15 north of Temecula, <http://fallbrookarc.org/images/IndiaFire5-04W6VR.jpg>

On Sunday afternoon May 2, 2004 the India fire on Camp Pendleton's north-eastern border threatened to cross off the base property into De Luz.

With Paul Sautter, W6SJJ, Steve Brooks-KE6GXP and Ron Patten-KG6HSQ watching the fire, Randy Jones, KD6UAK, Fallbrook ARES Emergency Coordinator/RACES Northern District and Bob Morrow, WB6DIJ, Fallbrook RACES were in contact with Gerry Sandford, KC6BJM, Chief RACES Radio Officer San Diego County, standing by to dispatch Animal Rescue and other resources and with Dennis Shirrel, K7DCG, Acting Northern District ARES Emergency Coordinator.

When the afternoon winds came up and the fire started to run, at 15:30 the call went out from the Fire Department to prepare for evacuations, RACES and Fallbrook Area ARES went into action. With Randy Jones-KD6UAK as net control using the Fallbrook Amateur Radio Club 146.175/445.600 repeaters on Red Mountain to keep in contact with Ham radio operators in De Luz and Fallbrook.

The Structure Protection Command Post was near the 5 1/2 mile marker of De Luz road. Ron Patten-KG6HSQ made contact with NCF Division Chief Milt Davies-KD6UBA and the Deputy Sheriff Sergeant in charge of setting up the evacuation.

When a Red Cross representative arrived, it was determined that there was no cell phone coverage or a direct radio

link to Al Rich, W6WYN, at San Diego Red Cross using the PARC repeaters. Therefore information had to be relayed by net control to her supervisor's cell phone number while he was in rout to the Evacuation Center.

Scott Chester, KF6JXT, aided in early communications with Fallbrook High School.

Sue Jones, KF6GOY, and Adrienne Durso, N6XCU, assisted in passing traffic to Shelter

Supervisor Richard Hinrichs, KG6FIW, when he arrived at Fallbrook High School Gym Evacuation Center.

The Red Cross Mobile Canteen at the Structure Protection Command Post provided food and beverages, to fire fighters and the Sheriff Deputes. Logistics traffic between the Mobile Canteen and the Evacuation Center at the Fallbrook High School Gym was passed till 23:20 when the Mobile Canteen secured. The Evacuation Center housed some of the fire fighters that night.

Fortunately night fall brought cooler temperatures and calming of the wind so the progress of the fire in the direction of structures was stopped.

We would like to thank the hams listed above, and on the fire line Daniel Spears, AJ7SK, Dan Spears, KF6UFZ. Also the following hams for providing information and standing by. Wayne Dewey, D6AHX, Don Bril, W1OJA, Bob Grimmick, N6OX, Bob Gonsett, W6VR, Arnie Peller, 6VXM, Richard Tilch, KE6FHR, Frank Larkin, KB6CPZ, Chris Durso, AA4CD, Troy Warshel, KG6MGE, Ken Dickson-W0PSM, John Buehman, KF6ZKD, Stephen Spencer, KC6MIE, Mat Olson, KD7ZGI.

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	KD6TUI@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.	KD6TUI@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@palomararc.org**

Other addresses of interest:

Scope@palomararc.org

Board@palomararc.org

Membership@palomararc.org

Contest Coral

Jun 4 Major Six Contest
 Jun 5 VK 80 Mtr CW Contest
 Jun 5 IARU Region I Field Day, CW
 Jun 5 RSGB National Field Day
 Jun 12 ANARTS WW RTTY Contest
 Jun 12 ARRL June VHF QSO Party
 Jun 12 Asia-Pacific Summer Sprint, SSB
 Jun 19 All Asian DX Contest, CW
 Jun 19 SMIRK Contest
 Jun 19 West Virginia QSO Party
 Jun 19 Quebec QSO Party
 Jun 19 Kid's Day Contest
 Jun 25 UK DX Contest, CW
 Jun 26 ARRL Field Day
 Jun 26 King of Spain Contest, SSB
 Jul 1 RAC Canada Day Contest
 Jul 3 Venezuelan Ind Day Contest
 Jul 3 Original QRP Contest

A pretty good assortment of contests this month. RTTY, SSB, and CW is spread around. The WV QSO Party gives WAS hunters a difficult one to catch. The ARRL Field Day gives clubs a chance to shine up their BBQs, get on the air, cook dogs and burgers and otherwise have a great time. The complete rules for these and other contests are published in QST, NCJ, CQ and Worldradio magazines. CU in the contest!

73, Harry/W6YOO

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

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e-mail: nicdlady@nicdlady.com

Last Month's Goodie's

Preston W6ASP
Jerry KF6MYE
Joe W6OJ
Tom KG6RCW

May Goodies

Preston W6ASP
Rich KE6DUG
Jerry KF6MYE
Roger KG6RAS

Fold & Staple Crew

KR6BT Merle K6ML Jim
KB6NMK Jo & Toby & Matthew
KB6YHZ Art & KB6YHY Anita
W6GNI Al & Kathy
WA5ACE Sonny KG6AEW Bill
W6YOO Harry

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

Jo Ashley KB6NMK@amsat.org
ASSETS April 30, 2004

Cash and Bank Accounts

CD	2,840.75
CD	2,694.97
CD	3,406.22
CD	2,845.15
Checking	4,057.96
Post Office	97.60

TOTAL ASSETS \$15,942.65

LIABILITES

Pre-paid dues	7,484.00
Prop. Insurance	1,800.00

EQUITY 6,658.65

TOTAL LIABILITIES & EQUITY

\$15,942.65

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

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For Sale

(5.1) **GAP CHALLENGER** vertical antenna. Great for limited space. Works well from 40 thru 2 meters and limitedly on 75. Only 3 25 foot radials required. Ground or elevated mounting. Currently in use. Manual incl. New \$300 Sell for \$125 or best offer. Ron K2RP 760-436-8109 or K2RP@arrl.net.

(5.2) **Kenwood TS-450 HF xcvr**, very good condition \$385: **Kenwood TH-79A**, dual-band HT, good condition, \$85, Radio Shack **HTX-10** 10 meter xcvr, good condition, \$65, George, WA6GAH (619) 687-8149 or george.atkins@juno.com

(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 Supplies 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 af-

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

ter-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 George kf6zca@juno.com 619-264-1415

(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."

(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 **Hand-held 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

(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

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numerous to
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Monday thru Saturday

858 560-4900 or toll free

800-854-6046

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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.

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

