

# SCOPE December 2007

A newsletter by and for the Palomar Amateur Radio Club of San Diego, CA, USA.

Club Meeting – Holiday Social, Elections, and Raffle kickoff (see page 2 for details)

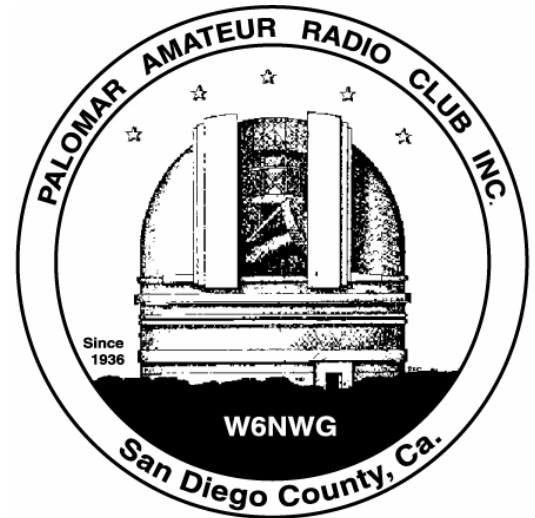
5 December 7:30pm at the Carlsbad Safety Center

Board Meeting

12 December 7:00pm at W6GNI QTH

Extra License Class

8 & 15 December at Carlsbad Safety Center



## President's Message

By Steve Early AD6VI

December is upon us. As I write this, I am giving thanks that my family was not directly affected by this year's fires, yet I must think about those that were not so fortunate. On the brighter side, our November meeting was well-attended with a good presentation on D-STAR, a VOIP/Datastream format that is gaining popularity in the area.

We also heard reports from Harry Hodges W6Y00 about the activities of the Fire Information Net and from Jim Cammarano regarding ARES activities with the county EMS net. The December program will feature the annual elections and Christmas social. This is a great opportunity to meet with next year's PARC leadership and discuss projects that you would like to see happen.

Looking down the road, on December 8<sup>th</sup> and 15<sup>th</sup>, PARC is providing a two-day Amateur Extra Exam Preparation Class. This class is open to all, but an RSVP would be appreciated to allow the instructors to bring sufficient materials on the 8<sup>th</sup>. The January program will feature a presentation on San Diego Section ARES.

On a more serious side, beginning next year PARC will be looking to our willing membership to help staff seminars and courses on such topics as licensing, getting on the air, getting on HF, getting into VHF/UHF contesting, getting onto HF contesting (Field Day is coming up in June), getting into Amateur television, getting into Amateur satellite communications, EchoLink, IRLP, and a host of others. One immediate need is an instructor for a General License exam preparation class. The one PARC recently scheduled was cancelled due to the effects for the fires. I have had a very rewarding experience teaching licensing classes for the last several years. However, I am seeking new responsibilities within amateur radio that will demand the time I have spent teaching. The need for instructors to help new and prospective hams is great, but so is the personal satisfaction. As an example, Lin, KJ6EF, volunteered to take over the HAM Help Net that Dave Doan, KC6YSO, had kept staffed and alive for many years. The most recent correspondence from Lin asked: "Should we cut it at 10:00 PM regardless?" This is the kind of quandary I like to have. It means that the service that Lin, Dave, and others, are providing is needed. Please watch the Scope for opportunities to help and to serve!

## Volunteers Wanted

Volunteers needed to help set up a 2m/440, 50W Yaesu radio and antenna at the Elfin Forest Fire Dept. Help will be needed with attaching the antenna (Diamond X-50a Vertical) and setting up and programming the mobile radio for use in the fire department and to possibly set up the mobile antenna on a car. Date of project TBD.

Contact:

Mickey Cross, KI6CSY

760-744-2034 or [mickeykc@juno.com](mailto:mickeykc@juno.com).

## Raffle!

Available for raffle starting at the December meeting and continuing until \$200.00 in tickets are sold!

MFJ 1724B antenna and Yaesu FT1802M 2m transceiver, fixed with Anderson power pole connectors and a cigarette lighter adapter included.

Complete! Plug and play! It's pre-programmed with San Diego frequencies with alpha tags. Radio purchased for raffle with help from Ham Radio Outlet, San Diego.

## Radio Club Resources

Check out these great local radio clubs on the web at the following addresses.

<http://www.fallbrookarc.org/>

<http://www.sddxc.org/>

<http://www.earsclub.org/>

<http://roars.net/>

<http://www.wa6bgs.org/>

<http://n6six.50megs.com/>

## Special Event Station

The Point Loma Amateur Radio Club, call sign W6RDF, will conduct a special radio event on 1 December to celebrate 50 years of operation from the Space and Naval Warfare Systems Command (SPAWAR) Systems Center San Diego (SSCSD). W6RDF will operate SSB on

the following frequencies: 28.350, 21.350, 14.300, and FM on 146.52 MHz. A 50th anniversary commemorative QSL certificate will be issued to stations making contact with W6RDF.

SSCSD occupies some of the same property on which Navy Radio Station Point Loma (NPL) was built in 1906. It is the premier Command Control Communications Computers Intelligence Surveillance and Reconnaissance (C4ISR) research and development center for the Department of Defense.

The command has had several other names since World War II: Navy Radio and Sound Lab (NRSL), Naval Electronics Lab (NEL), Naval Command Control and Communications Lab Center (NCCCLC), Naval Electronics Lab Center (NELC), Naval Ocean Systems Center (NOSC), and the Naval Command Control and Ocean Surveillance Center (NCCOSC) Research Development Test and Evaluation (RDT&E) Division (NRaD).

## Club Members ONLY!

PARC has a tube bank that includes many 6 & 12 volt receiving tubes (and some transmitting types) for use by club members to repair their own personal equipment. Not for commercial use or resale.

If we have your

requests, I will pre-check and deliver them to the next club meeting.

[WB6IQS@amsat.org](mailto:WB6IQS@amsat.org), -John

## Ham4Less.com

**1(800) 230-0458**

**1(760) 945-9503**

**call us—we may have it!**

**Arrow Antennas**

**Hustler Antennas**

**Opek Antennas**

**Gordon West books**

**Workman Products**

**Anderson Powerpoles**

## SPECIAL:

**New G5RV Antenna**

(57 ft total length)

**\$ 44.00**

## December Membership

New members joining PARC:  
KG6SLH, WA6YCA, and Chris Bouse  
(No Call Yet).

Please greet these members, and help  
Chris as needed!

And we had one reinstatement.  
Welcome back!

We may send out reminders to all  
those that let their membership  
expire in 2006 and 2007. If you are  
reading this on the web, and get one  
of those reminders, PLEASE renew!  
(Last chance at the present rate -  
Reinstatements and Renewals at the  
present rate MUST be postmarked in  
2007)

Al W6GNI

## November Fold & Staple

Sonny WA5ACE, Jo KB6NMK,  
Al W6GNI & Kathy, Harry W6Y00,  
Ron K2RP

## Licensing and Class Information

Register 5-7 days in advance for the  
following test sessions.

☐ PARC Testing is in Carlsbad on the  
2nd  
Saturday of the month at 9:30am at  
the Carlsbad Safety Center. Please call  
619- 465-EXAM for the latest contact  
info.  
Test sessions may be cancelled if no  
one pre-registers.

☐ EARS Testing is in Escondido on the  
Last Saturday of the month at 9:00  
am at the LDS Church.  
The address is 1917 East Washington  
Avenue , Escondido , 92025.  
Contact Harry W6Y00 (760) 743-  
4212 or W6Y00@amsat.org.

☐ Extra License Class 8 & 15  
December at Carlsbad Safety Center

## Technical Equipment Available for Loan To PARC Members

Thanks to the effort of John, WB6IQS  
PARC now has a working HP 8640  
Signal Generator. John spent many  
hours repairing this unit, donated it to  
PARC and it is available for loan to  
PARC members for projects. John asked  
me to verify calibration with my 8640  
after he completed the repairs, which I  
have done and it is now ready for loan.

### Technical Description:

AM/ FM 0.5 to 512 MHz on  
fundamentals and 512 to 1024 MHz on  
2nd harmonic.  
Output range +10 to -130 dBm  
Female N connector front panel output.  
Crystal lock for stability.  
Note: This signal generator, designed in  
the last century, has a very low phase  
noise specification, equal to or better  
than most modern signal generators  
made today.

In addition to the HP 8640 I have the  
following test equipment from the  
W6JAB estate available for loan to PARC  
Members

SWR meter (Diamond SX-600)  
Texscan CATV Spectrum analyzer 50-  
400 MHz  
MFJ 269B  
MFJ 300W dummy load  
IFR 1100 Communication Monitor

I also maintain a HP Z3801A GPS  
Receiver and frequency standard with a  
10 MHz output.  
It is available for use by appointment  
for PARC members needing to calibrate  
equipment.

Contact me for use of the above items,  
kc6uqh@amsat.org or 760.758.6062  
evenings 7:00 to 10:00 PM & weekends  
9:00 AM to 10:00 PM

Art, KC6UQH

## San Diego 100 Mile Endurance Run Communications Wrap-Up

By Ellen N6UWW & Wild Bill WB6BFG

We want to thank all who participated in the San Diego 100 Mile Endurance Run communications effort. Operators involved were K6PKS Paul, N6UWW Ellen, WB6BFG Wild Bill, W6SST Jim, WN6K Paul, KG6RCW Tom, W6ABE Ed, WD6FWE Don, KC6YSO Dave, W6HME Jim, K6AH Andre, K5WFW Len, AK6QJ Jerry, KG6WNW Candace, KB9WFS Brian, KI6FKA Chell, KI6FKC Karen, KG6WOB Lyle, KI6JYC Sandra and AE6AV Larry. With their invaluable help we were able to have a successful event, ensure the safety of all those involved and have a load of fun!

The organization behind the run, "S.U.R.F." (San Diego Ultra Running Friends, a non-profit organization), donated \$2,500 of the proceeds to Cal Fire for the purpose of acquiring new radio equipment. How about that! We had a total of 106 runners entered in the race and 104 runners left the start line at the Cuyamaca School Camp shortly after 0600hrs on Saturday October 20<sup>th</sup>. The male leader/winner of the race, bib #1 Karl Meltzer, finished the 100 miles in 17:45:50 minutes. Runner-up was Sander Nelson nearly an hour behind with a time of 18:40:00. The lead female runner, Kim Holak, was just over an additional hour back with a time of 19:48:10. The final runner, 68 year old Fred Pollard, finished in 30:54:12 hours. All amazing times to say the least! By 1300hrs on Sunday October 22<sup>nd</sup>, we had 55 runners successfully complete the run and 51 drop-outs/no-starts accounted for safely.

Kudos go to all involved and special thanks to those "regulars" who always seem to answer the call for volunteers and do so early in the planning stages. This core group can always be relied upon and their participation on a consistent basis is much appreciated. We had several new operators on board

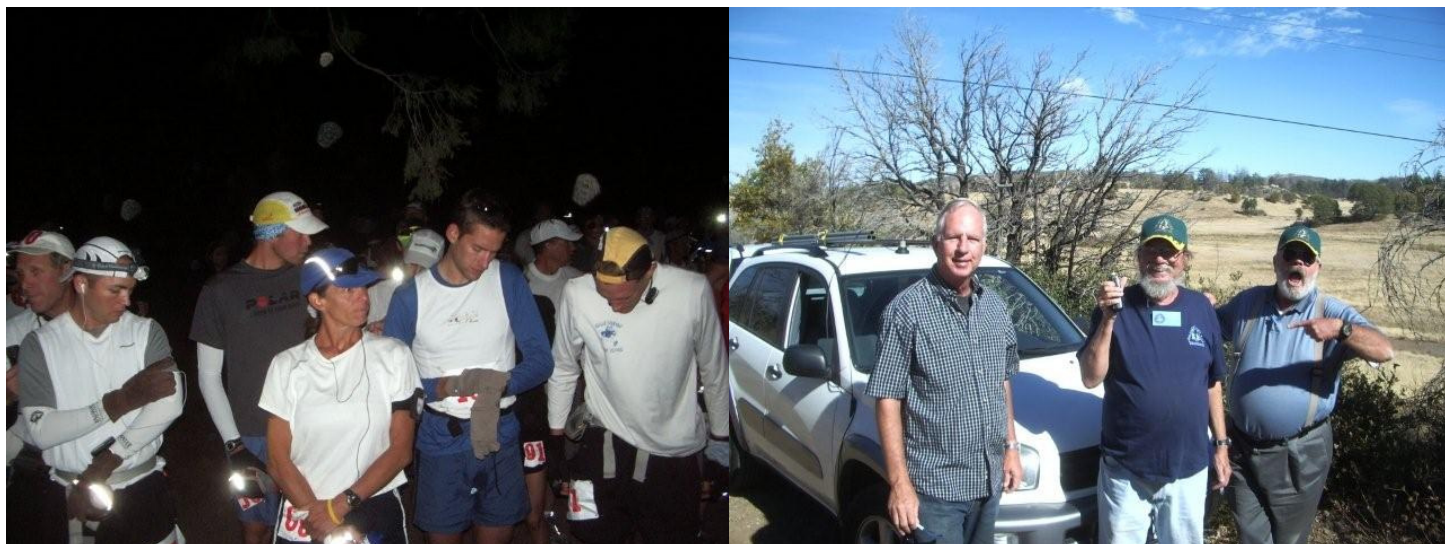
this event. Had they never told us they had no prior experience doing communications at an event similar to this, we certainly wouldn't have known so by listening to them handle their share of traffic. They all did a GREAT job and we hope to see them at future events.

Special pats on the back go to those more experienced operators who took the new operators under their wing and made sure they were comfortable with the task at hand. We will try to make a point of including new operators at future events and hope we continue to have volunteers for mentor positions. The flexibility of the operators really helped in the smoothness of operations. Having a team of operators willing and able to move from one Aid Station to another, to extend shifts well beyond that which was originally discussed, and the sense of teamwork and collective genius amongst the entire crew really kept the Communications Coordinators at ease.

Little did we know that the commemorative hat we were given in appreciation of our communications involvement would be a premonition of what was to come in San Diego County (see Ellen modeling the flame-bedecked hat on page 9). Santa Ana winds were a-howlin' as the final hours on the clock ticked Sunday at the finish line. Runners came in telling tales of having dust devils chase them and trees fall across their paths. Thankfully nobody was injured but there were definitely some VERY close calls. One woman reported that she heard strange noises so stopped running in order to decipher just what it was and with that a tree fell right in front of her. She said that "for Medal of Valor points at the finish line" she measured, heel to toe, that it had missed her by only two of her feet! Thanks again to all those who helped make the SD 100 Mile Endurance Run a fun and successful event. We look forward to next year's run. If you have an interest in working the event in 2008, don't be afraid to throw your *hat* in the ring now.



Here are photos of some of the aid stations.



Read more about the race at <http://members.cox.net/sandiegol00/>



Photos continued on page 6





Best 7 3 de Ellen Utschig N6UWW and Wild Bill Wiederhold WB6BFG

## Club Classified Advertisements

Personal equipment ads are free to members and could be bumped after 3 months. Make up your ad like the ones on this page and send to SCOPE@PALOMARARC.ORG.

Commercial ads in big boxes: \$2/col. inch/month. We will squash your ad copy to the number of inches bought.

(11.29) Looking for a small 3 element tri-band HF beam such as the TH3-JRS.  
Jim Keller wb6yxy@arrl.net  
760-717-6126

(10.15) For Sale 2 meter FM Transceiver. ICOM IC-2100H Mobile 207 memory Channels, HM-98S Lighted Mike, 55 Watts output. Green or Amber Display. Like NEW. All Local Channels Programmed in. \$75.00 OBO. Please call Bayard K6GAO at 858-755-5507.

For Sale Uniden Weather Radio WX 500 NOAA all Hazards Weather Radio. With S.A.M.E. AC power supply. \$25.00 OBO. Please call Bayard K6GAO at 858-755-5507.

For Sale Like New UNIDEN BEARCAT SCANNER BC-350C all pre programmed for all service Freq. AC and DC power supply cables. \$75.00 OBO. Please Call Bayard K6GAO at 858-755-5507.

(9.9) AC ARC Welder, Marquette 180. 220 VAC power. With heavy duty cables and welding rod holder. \$50 OBO. WB6IQS, John. 760-727-3876.

Satellite Dishes. 1 meter Primestar and smaller. Ku band LNBs. Most with hardware and mounting clamps. Make offer / free to good ham radio homes. WB6IQS, John 760-727-3876.

Reloading Equipment: Pistol / rifle dies, Rockchucker press, Lyman press, accessories, brass, copper jacketed bullets, lead casting molds and furnace. Lots of cast lead in small ingots. Best offer for all or parts. WB6IQS@att.net,

John 760-727-3876.

(8.26) FOR SALE:  
YAESU FT 840 Transceiver  
ASTRON RS 35A Power Supply  
MJF 949 Deluxe Versatuner  
30 Foot Vertical Cushcraft Antenna

Ken Clark, KE4MII  
200 N El Camino Real #165  
Oceanside, CA 92058  
760-231-8377

(7.22) Wanted: Transport for amateur UHF antennas to San Francisco Bay area. Fred Brown, W6HPH. Tel. 760-741-1328. w6hph@yahoo.es

(6.30) Cushcraft R-8 Vertical Antenna, New In Box, \$375.00 (New \$550.00). IC-756PRO II Transciever with IC-PS125 Power Supply, Never Used, Purchased Feb. 2005 from HRO, Original Cost \$2399, Will Sell for \$1975.00. Selling because of CC&R Issues.

Call John N6LMY rohring@sbcglobal.net or (760) 602-5041

## Contest Corral

Contest	Time and Date
TARA RTTY Melee	0000Z-2400Z, Dec 1
Wake-Up! QRP Sprint	0400Z-0429Z, Dec 1 and
	0430Z-0459Z, Dec 1 and
	0500Z-0529Z, Dec 1 and
	0530Z-0600Z, Dec 1
TOPS Activity Contest	1600Z, Dec 1 to 1800Z, Dec 2
ARS Spartan Sprint	0200Z-0400Z, Dec 4
NCCC Sprint, CW	0330Z-0400Z, Dec 7
ARRL 10-Meter Contest	0000Z, Dec 8 to 2400Z, Dec 9
SKCC Weekend Sprintathon	0000Z-2400Z, Dec 9
NAQCC Straight Key/Bug Sprint	0130Z-0330Z, Dec 12
NA High Speed Meteor Scatter Winter Rally	0000Z, Dec 13 to 0200Z, Dec 17
NCCC Sprint, CW	0330Z-0400Z, Dec 14
MDXA PSK DeathMatch	0000Z, Dec 15 to 2400Z, Dec 16
OK DX RTTY Contest	0000Z-2400Z, Dec 15
Croatian CW Contest	1400Z, Dec 15 to 1400Z, Dec 16
Feld Hell Sprint	1500Z-1700Z, Dec 15
International Naval Contest	1600Z, Dec 15 to 1559Z, Dec 16
ARCI Holiday Spirits Homebrew Sprint	2000Z-2400Z, Dec 16
Run for the Bacon QRP Contest	0200Z-0400Z, Dec 17
NCCC Sprint, CW	0330Z-0400Z, Dec 21
SKCC Sprint	0100Z-0300Z, Dec 26
DARC Christmas Contest	0830Z-1059Z, Dec 26
NCCC Sprint, CW	0330Z-0400Z, Dec 28
RAC Winter Contest	0000Z-2359Z, Dec 29
Original QRP Contest	1500Z, Dec 29 to 1500Z, Dec 30
Stew Perry Topband Challenge	1500Z, Dec 29 to 1500Z, Dec 30
TARA RTTY Melee	0000Z-2400Z, Dec 1
Wake-Up! QRP Sprint	0400Z-0429Z, Dec 1 and
	0430Z-0459Z, Dec 1 and
	0500Z-0529Z, Dec 1 and
	0530Z-0600Z, Dec 1
TOPS Activity Contest	1600Z, Dec 1 to 1800Z, Dec 2
ARS Spartan Sprint	0200Z-0400Z, Dec 4
NCCC Sprint, CW	0330Z-0400Z, Dec 7
ARRL 10-Meter Contest	0000Z, Dec 8 to 2400Z, Dec 9
SKCC Weekend Sprintathon	0000Z-2400Z, Dec 9
NAQCC Straight Key/Bug Sprint	0130Z-0330Z, Dec 12
NA High-Speed Meteor Scatter Winter Rally	0000Z, Dec 13 to 0200Z, Dec 17
NCCC Sprint, CW	0330Z-0400Z, Dec 14
MDXA PSK DeathMatch	0000Z, Dec 15 to 2400Z, Dec 16
OK DX RTTY Contest	0000Z-2400Z, Dec 15
Croatian CW Contest	1400Z, Dec 15 to 1400Z, Dec 16
Feld Hell Sprint	1500Z-1700Z, Dec 15
International Naval Contest	1600Z, Dec 15 to 1559Z, Dec 16
ARCI Holiday Spirits Homebrew Sprint	2000Z-2400Z, Dec 16
Run for the Bacon QRP Contest	0200Z-0400Z, Dec 17
NCCC Sprint, CW	0330Z-0400Z, Dec 21
SKCC Sprint	0100Z-0300Z, Dec 26



## Photos from November Meeting



Ellen N6UWW models the cap operators received after providing communications for a 100-mile trail run. Photo by KB5MU.



Mike AB6QT received special recognition for years of service. Photo by KB5MU



Section Emergency Coordinator Jim Cammarano KG6R gives an update. Photo by KB5MU.



D-STAR demonstration after the presentation. Photo by KB5MU.

## PARC and PARC Affiliated Repeaters

Frequency	Tx	Tone	Call Sign	Remarks
52.680	–	107.2	W6NWG	
146.730	–	107.2	W6NWG	Autopatch; see note 1,
147.075	+	107.2	W6NWG	Autopatch; see note 2
147.130	+	107.2	W6NWG	Autopatch; see note
447.000	–	107.2	W6NWG	Autopatch; see note 2
224.380	–	107.2	KK6KD	Americas Unidos
224.900	–	107.2	WD6HFR	Convair/220 ARC
224.940	–	107.2	KK6KD	Sharp Hospital Coverage
446.140	–	123.0	WB6FMT	Vista
146.175	+	107.2	N6FQ	Fallbrook ARC; linked to 445.600
445.600	–	107.2	N6FQ	Fallbrook ARC; linked to 146.175
145.050	(s)	None	W6NWG-1	Packet node; linked to Metro 9600 net
146.700	–	None	W6NWG-4	Packet duplex repeater; Duplex; PALBBS use OK

PARC also conducts the following ATV (amateur fast-scan television) operations:

ATV in: 915 MHz WBFM, 2441.5 MHz WBFM

Intercom: 146.415 MHz NBFM simplex (tone 79.7)

ATV out: 1241.25 MHz AM

## Regular Nets Sponsored by PARC

Day	Time	Frequency	Name	Manager
T/Th/Sa	2000	146.730	NTS Traffic Net	Marvin KD6YJB KD6YJB@arrrl.net
Sunday	0830	146.730	ARES Net	Jo Ashley KB6NMK@arrrl.net
Sunday	1900	147.130	Handi-Hams	Marcia De Runtz KG6FIX
Sunday	2045	147.075	MARA	Glenn Jones KG6JDF@amsat.org
Monday	1915	146.730	RACES Sub-net	
Monday	2100	146.730	Microwave Net	Kerry B.
Tuesday	1900	147.130	Red Cross Net	Ted tthompdson@sdaarc.org
Tuesday	2100	146.730	Off-Road Net	Dick Wilimek KA7AYTrwilimek@cox.net
Thursday	2000	147.075	SATERN	tomcarmody@cox.net
Thursday	2100	146.730	Ham Help Net	
Friday	2100	146.730	Hiker's Net	Ed KF6DXX@juno.com

Board of Directors Position	Call Sign	Contact Information
President - Steve Early	AD6VI	619-461-2818 ad6vi@amsat.org
Vice President - Tom Storer	KI6DER	ki6der@amsat.org
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Director - Dennis Baca	KD6TUJ	760-722-0251 kd6tuj@amsat.org
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Repeater Chair - Dan Bubke	K6NKC	k6nkc@amsat.org
Membership - Al Donlevy	W6GNI	760-630-3096 w6gni@amsat.org

<sup>1</sup> The 146.730 repeater transmits a CTCSS tone of 107.2, but does not usually require any tone for access. When necessary, an access tone of 107.2 can be enabled. A 107.2 tone is always required for autopatch access.

<sup>2</sup> PARC autopatches are closed, for members only, and always require an access tone of 107.2. For PARC autopatch access info, email [autopatch@PalomarARC.org](mailto:autopatch@PalomarARC.org).



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**Model BA-58** (for RG58, RG8X & similar cables up to 1/4" dia. \$8.50+tax+\$8 S&H/order

**Model BA-8** (for RG-8, RG-213, 9913 and similar cables up to 1/2" dia. \$16.50+tax+\$8 S&H/order.

### TUNER-TUNER

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Address service requested

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Submissions: [scope@palomararc.org](mailto:scope@palomararc.org)  
Questions? Ideas? Comments? [W6NWG@amsat.org](mailto:W6NWG@amsat.org)

This month's General Meeting will be held on December 5<sup>th</sup>, 2007 (The first Wednesday of each month) at the Carlsbad Safety Center. This month is the Holiday Social, Elections, and Raffle kickoff. Talk-in on 146.730 MHz repeater. Meeting starts at 19:30 but show up at 19:00 for setup and visiting before the meeting. Ridesharing and coordinating for dinner beforehand often occurs on the repeater on Wednesday afternoons. Everyone is welcome! The Palomar Amateur Radio Club serves the Amateur Radio community of San Diego County California with repeaters located on Palomar Mountain. The club has monthly meetings, Field Day festivities, an annual auction, and many other fun and interesting functions. All are welcome at our club meetings and on-the-air interactive radio nets which now feature discussion groups on hiking, microwave, off-roading, as well as traditional message traffic and emergency communications nets (RACES - ARES - MARA). 73 and hope to CU you on the air! -NN3V (past president of PARC)