

# Palomar Amateur Radio Club

Volume XXXII No. 1

January 2005

## January Meeting

January, 5, 2005

**Jeff Stouffer—K6JSI  
will be giving a presentation  
on the  
Western Intertie Network.**

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## President's Message

Happy New Year to All!  
I hope that all had an enjoyable holiday and found the goodies under the tree that each had hoped for. This is the season of renewal and a time to remember old and new alike. I honor the past and present leadership of PARC and look forward to the opportunity to build upon the foundation that they have made.

PARC has been, and continues to be, the Premier Amateur Radio Club in the San Diego area. Our past leadership has built up an excellent repeater system that is used extensively by members and many public service groups. They established a monthly venue for many hams to get together for face-to-face contact. PARC hosts a monthly VE session to help prospective HAMS obtain their license and to provide

active HAMS an opportunity to upgrade. All in all, we are very fortunate for THEIR foresight and efforts to improve the amateur community.

I am thankful for the seasoned veterans that are on this year's board as well as the new board members that have taken on the responsibility of running this organization we call the Palomar Amateur Radio Club, Inc.

I am looking forward to working with the Board of Directors and the Membership at Large, to continue the established programs and to develop new programs to adapt to the ever-changing face of amateur radio.

To this end, I am asking for your help on picking a variety of topics to be presented



during club meetings. Establishing a well-balanced Program Schedule is important to the prosperity of our club. So far, suggestions have been VHF Contesting, Emergency Services, DX, T-Hunting, QRP, Winlink2000, Contesting Techniques, Amateur Etiquette, etc. Of course, several of our programs will be traditional, such as Field Day (June), The PARC Auction (October), and the Christmas Social (December). The remaining programs need not be traditional, but must be amateur radio related and of

*(Continued on page 2)*

## Finding and Fixing RFI

If radio frequency interference ("RFI") is making reception difficult at your location, a good primer of how to find RFI is available at <<http://www.ccrane.com/radio-noise-problems.aspx>> (Please note that the phone number mentioned in the article is only valid for customers of C. Crane Co. who have purchased receivers from that company.)

Although most complaints hams have for RFI affect reception in the HF bands, interference can also affect VHF/UHF

receivers.

The local contact for RFI complaints for noise from AC Power lines should be directed to Sempra Utilities ( aka SDG&E ), Mr. Paul Seiter, 858 581-7581 or [pseiter@semprautilities.com](mailto:pseiter@semprautilities.com) SDG&E.

Before contacting Mr. Seiter and to help SDG&E track down your AC Power Line RFI, I highly recommend that one makes a recording of the noise after eliminating

sources within one's residence ( and possibly neighbor's if you can get them to co-operate with you in shutting off power to their homes ).

A small cassette recorder held near the speaker ( or audio patched from the receiver audio output directly into the audio recorder ) is recommended. Recordings taken while receiver is in AM mode is more useful to SDG&E representative.

*(Continued on page 7)*

(President's Message Continued from page 1)

interest to the average amateur radio operator. Please send your program topic suggestions to myself at ad6vi@amsat.org or call me at 619-461-2818.

In addition, the Board and I are looking for opportunities to grow both the club and the amateur radio community. We will be talking with the general membership about opportunities to regain past members, and ways to develop new ones. We have opportunities for members to represent PARC, and to teach others about amateur radio.

I hope to see you all at the next General Meeting on January 5th, and the Carlsbad Safety Center.

Steve Early  
AD6VI

## P.A.R.C. Inc (2005 Board)

**Pres: Steve Early** AD6VI  
**VP: Dennis Baca** KD6TUJ  
760.722.0251 KD6TUJ@amsat.org  
**Sec: Paul Williamson** KB5MU  
**Treas: Jo Ashley** KB6NMK  
760.741.2560 KB6NMK@amsat.org  
**Dir#1: Tom Martin** KG6RCW  
**Dir#2: Mark Raptis** KF6WTN  
**Repeater Site:** W5NYV  
Michelle Thompson W5NYV@amsat.org  
858.229.3399  
**Membership:** W6GNI  
Al Donlevy W6GNI@amsat.org  
760.630.3096  
**New Member:** KG6EQU.  
John Earnest KG6EQU@amsat.org  
858.484.8579  
**Repeater Technical:** AB6QT  
Mike Doyle AB6QT@amsat.org  
760.742.1573

## Contest Coral

Dec 31 ARRL Straight Key Night  
Jan 1 SARTG New Year RTTY Contest  
Jan 1 Original QRP Contest  
Jan 8 ARRL RTTY Roundup  
Jan 8 North American QSO Party, CW  
Jan 8 Midwinter Contest, CW  
Jan 9 Midwinter Contest, SSB  
Jan 15 Hunting Lions in the Air  
Jan 15 North American QSO Party, SSB  
Jan 22 BARTG RTTY Sprint  
Jan 22 ARRL January VHF Sweepstakes  
Jan 29 CQ WW 160 Mtr Contest, CW  
Jan 29 UBA DX Contest, SSB  
Feb 5 Vermont QSO Party  
Feb 5 10-10 Int'l Winter Contest, SSB

There are more contests during January than I have listed. The above listing is just to give you the flavor of what's up the first of the year. Some of everything, CW, SSB, RTTY, VHF. To find a complete listing of contests, go to the contesting web sites (see www.ac6v.com). Check out the rules in QST, CQ, NCJ and Worldradio. Even if you don't plan to compete for the full period, get on for a couple of hours to see how many QSOs you can rack up per hour. It's fun! CU in the contest.

73, Harry/W6YOO

## 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.

**Model PT-340 \$99.95 + tax + \$6 S&H**

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.

## RF PARTS Company

From MILLIWATTS to KILOWATTS

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### RF POWER TRANSISTORS - TUBES - POWER MODULES

3-500ZG - 811A - 572B - 4-400A - 6146B & W - 8072 - 8560AS

3CX400A7 - 3CX1200A7 / D7 / Z7 - 3CX1500A7 - 3CX3000A7

4CX250B & R - 4CX400A

Complete Inventory for servicing Amateur and Commercial Communications Equipment

**Transistors - Modules - Diodes - Relays - Trimmers - Capacitors**

**Heatsinks - Transformers - Chokes - Combiners - Wattmeters - Books**

Merit W6NQ - Gary K6CAQ - Steve K6NDG - Doug K6DRA - Rob WA6GYG

**760-744-0700**

*An address to remember:*

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

e-mail: [rfp@rfparts.com](mailto:rfp@rfparts.com)

Send for your FREE 2004 Catalog or visit our website.

# 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 (PALOMAR/W6NWG -1)

146.700- (Duplex Pkt) PALBBS/EMG

use

145.070/146.7- (W6NWG-3/PALBBS)

ATV"IN":

915 wbfm, 2441.25 wbfm

ATV "Output"

1241.25 MHz am

Intercom:

146.415 PL 79.7 nbfm

Affiliated:

\*224.38- & \*224.94 KK6KD (HARS)

\*447.05- & \*145.26 KK6KD (HARS)

\*146.175+ N6FQ(Fallbrook ARC)

Linked to

\*445.600 MHz (-)

\*224.90- WD6HFR (Corvair/220 ARC)

446.14- WB6FMT (123.0) Vista

• = 107.2 Hz PL Tone

## Questions

Questions about club policy or for more information can be addresses to:  
Email: W6NWG@amsat.org

# Committee Chairpersons

ARESinfo	Dennis S	<b>K7DCG@amsat.org</b>
Attendance	Al	<b>W6GNI@amsat.org</b>
ATV	Art	<b>KC6UQH@amsat.org</b>
Auction		<b>AD6VI</b>
Badges new	Al	<b>W6GNI@amsat.org</b>
Batteries	David	<b>KD6EBYDAT@Gerry.Palomar.caltech.edu</b>
BBS Monitor	Bill B	<b>N6FMK@amsat.org</b>
Billing:Ads/etc	Lyell K	<b>K6GVM@arrl.net</b>
Contest Info	Dennis V	<b>N6KI@amsat.org</b>
Control Ops	-filled	<b>N6NWG@amsat.org</b>
Del Mar Fair		
Emergency QTH's (Emergency Com Centers)		
Harry H	W6YOO	<b>W6YOO@amsat.org</b>
Dennis V	N6KI	<b>N6KI@amsat.org</b>
Field Day	Charlie R	<b>NN3V@amsat.org</b>
Field Day Tech	John K	<b>WB6IQS@amsat.org</b>
Inventory	Dennis B	<b>KD6TUJ@amsat.org</b>
New Members	John E	<b>KG6EQU@amsat.org</b>
Nets		
Newsletter	Michelle P	<b>W6MYP@amsat.org</b>
PALBBS Pkt	Bruno H	<b>KF6QDP@amsat.org</b>
Patch Info	Stan R	<b>W9FQN@amsat.org</b>
PatchETronics	Jerry H	<b>WB6FMT@amsat</b>
Picnic		
Power AC/DC	Mike P	<b>K6MRP@amsat.org</b>
Programs	Dennis B	<b>KD6TUJ@amsat.org</b>
Publicity		
QSL Cards	Merle R	<b>KR6BT@juno.com</b>
RACES Info	Jo A	<b>KB6NMK@amsat.org</b>
RED Flag		
Repeater Site	Michelle T	<b>W5NYV@amsat.org</b>
Repeater Skeds		
SANDARC		
Seller Table	John K	<b>WB6IQS@juno.com</b>
Assistant SW Div Dir		
Tech Site	Mike D	<b>AB6QT@amsat.org</b>
Testing VE	Rusty M	<b>DuneDancer@cox.net</b>
Training		<b>W6NWG@amsat.org</b>
Trustee W6NWG	Mike D	<b>AB6QT@amsat.org</b>

## Net Managers

ARES Sun	Dennis	K7DCG
ARES 6m	David D	KC6YSO@amsat.org
Ham Help Net	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	KA7AYTrwillimek@home.com
Sailors	Paul	NN6X@amsat.org
	Rod	AC6V@amsat.org
Traffic SDCTN	Charles	N6TEP cmiele@juno.com

## ARES Public Service Events for 2005

Lake Hodges 50 Km Trail Run	Sat, 26 Feb 2005
I Love a Clean San Diego	Sat, 9 Apr 2005
Special Olympics Basketball	Sat, 16 Apr 2005 and Sun 17 Apr 2005
Lost Boys Trail Run	Sat, 14 May 2005
Special Olympics Greater Games	Sat, 4 Jun 2005 and Sun 5 Jun 2005

The Lake Hodges and Lost Days dates are tentative. The others 'should' be firm.

-Dave  
-kc6yso

## NEC Develops Fastest Rechargeable Battery

April 2, 2004 (TOKYO) -- NEC Corp has developed a battery that can be recharged only in 30 seconds, company sources said. Called an organic radical battery, it can be recharged to the same level of power as that stored in nickel-hydrogen cells, which are widely used in digital cameras, portable MD players and other electronic devices.

It takes only about 30 seconds to recharge the battery enough to allow 80 hours of continuous operation of an MD player, compared with around an hour needed by conventional rechargeables, the company claims.

Because of its ability to recharge faster, the new battery, which stores power in a special resin, is expected to make radio-controlled toy cars, shavers and other products much more convenient to use.

The battery can also discharge power in a short time, making it useful in applications requiring a large amount of power.

NEC believes the battery can be used as an emergency power source for computers in case of blackouts as well as in hybrid cars driven by a gasoline engine and electric motor.

The company plans to convert existing production facilities into ones able to manufacture the new product. The company expects the price of the new battery to be about the same as nickel-hydrogen cells when mass production starts, since it does not contain any expensive materials.

NEC is also developing a recharger for the battery that can be used at home as well as working on a way to prevent excessive discharge of power from the cell.

The company will initially try to commercialize the technology for using the battery as an emergency power source for computers, according to sources at NEC.

(The Nihon Keizai Shimbun)

## MOAN AND GROAN -- I CAN'T GET ON HF - HOA PROBLEMS

Well try stealth antennas at URL: <http://ac6v.com/antprojects.htm#STANT>

Also flag pole antennas and new California laws:  
FROM THE ARRL NEWS LETTER

### ANOTHER CRACK IN THE ARMOR OF HOMEOWNERS ASSOCIATIONS

In California alone, there are 37 thousand homeowners associations covering 1/4 of the state's 12 million households. Last January, CA residents living under the iron grip of HOA's gained a bit of relief through a law that allowed them to erect flagpoles and fly flags. This coming January 1, 2005, CA Assembly Bill AB2376 becomes law. This bill requires HOA Boards to provide written reasons for denying a proposal (e.g., erecting a ham antenna). Further, the HOA Board must grant a review of a denied proposal in an open meeting of the Board. Check out SEC 3, page 4, of AB2376 at: [http://www.leginfo.ca.gov/pub/bill/asm/ab\\_2351-2400/ab\\_2376\\_bill\\_20040830\\_chaptered.pdf](http://www.leginfo.ca.gov/pub/bill/asm/ab_2351-2400/ab_2376_bill_20040830_chaptered.pdf)

Rod—AC6V

# 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 too*  
*numerous to*  
*mention!*

Drop in to see our display of working equipment.  
Find out about Pkt location determining equipment (APRS).  
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: **10a.m. - 5:30p.m.** *Ask about our great prices*  
**Monday thru Saturday**  
**858 560-4900** or toll free **1-800-854-6046**

Dec98

**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.

# JANUARY 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5 <i>Club Meeting</i>	6	7	8
9	10	11	12 <i>Board Meeting</i>	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

If you would like to include information for the calendar, please send an email to: **SCOPE@palomararc.org** by the 18th of the month

## Schedule of Events

- January 5 Club Meeting 7:30pm —Carlsbad Safety Center
- January 12 Board Meeting

## PARC NETS

- Sunday 0830 146.730 ARES
- Sunday 2045 146.075 MARA Emergency Services
- Monday 1915 146.730 RACES Sub-Net
- Monday 2100 146.730 Microwave Net
- Tuesday 2100 146.730 Off-Road Net
- 2nd Wednesday 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)

## Last Month

### Goodie Table



### Club Membership

New Members Joining PARC:  
 NONE This month - so far. However, four members reinstated their membership. Welcome back.

The participation points for the December meeting (party) have not been entered yet, maybe more people brought delectable goodies than signed up at the goodie table. If you brought treats, and didn't manage to sign in for them, please let me know. It's not too late to get an extra point!

### Last Month's Fold & Staple Crew



- KB6NMK Jo
- W6YOO Harry
- KF6CBX Keith & Tyler
- N6UZH Terri & Matthew
- W6GNI Al & Kathy

- |        |         |
|--------|---------|
| KG6RCW | Tom     |
| W6YOO  | Harry   |
| KG6SXY | Tony    |
| W6ASP  | Preston |
| K6ISS  | Fred    |
| KF6MYE | Jerry   |
| WB6BFG | Bill    |
| K3PXX  | Terry   |
| KD6RHD | John    |
| KB6NMK | Jo      |
| WD6FWE | Don     |
| W6GNI  | Al      |
| K6ML   | Jim     |
| KB6YHZ | Art     |

Did you check your label this month. If all goes well with my printing, your e-mail of record will be there. What do we do with the info? If the Post Office returns your SCOPE, and we have an e-mail address, we can often find out why the mail didn't make it. I also phone if this happens. It seems that often SCOPE's are returned, even though the address is correct. Please check what is there, and send me a correction if appropriate. If you want your "special" e-mail address kept confidential, let me know, and it will not be printed on the rosters that are given to new members.  
 Al W6GNI

## For Sale

**(12.9)** For Sale: Cushcraft ARC band 3 element beam, Model A3WS with 30 meter add on kit, Model A103 - Covers 12, 17, and 30 meters. Total weight 26 pounds, \$150.00; From estate of KF6QQ: Tokyo Hi Power Manual Antenna Tuner, HC-150, \$75.00. Wanze Co "Z" Match Tuner, 300 W \$75. Atlas DL-300 52 Ohm Dummy Load (It is like a small Cantenna) with cooling oil \$15.00 Low Pass Filter (great for 6 Meter operators) \$10.00; Yaesu FL2100B Linear Amplifier (great table top amp) 300.00 Call Harry, W6YOO@760-743-4212. 73, Harry

**(12.9)** The R-8 is now off the house, still for sale @ \$200 which is a deal, Diamond 500X dual band antenna \$50 and dual band beam antenna 144/440 is also up for sale @ \$50, contact James @ 760-722-2797 or E-mail to no8rf@cox.net

**(11.29)** ICOM T81A and accessories: case, HM75A, BP197, OPC254/L, CST81, OPC478, and MH-510 after-market Antenna - \$100. IOMEGA Jazz Drives 2GB (2 used, 1 unopened and unused) 22 JAZ disks (11 used, 11 unopened and unused) \$50. Bob KY6P (619) 318-2217.

**(11.28)** Ameritron 8L-811H linear, like new, \$650. Cushcraft MA5B 5 band mini HF beam. Never installed, partially assembled/painted, \$250. Force 12 Sigma 5 portable multi-band vertical, used very little, \$125. Spider HF multiband portable/mobile, with attachment claw, \$50. W3LFR, 858-774-0733 days, 858-780-9593 eves.

**(11.16)** I have the following DVD-R discs for sale or trade, they are for DVD Recorders i.e., for recording from TV, Cable, VHS tapes, Camcorder videos. Not computers. 95 OptpDisk, 48 Memorex, 23 Maxell - all bought in the last month. Will sell for 25% off. Reason is-- I have a Panasonic DVD recorder and the only discs that work are Panasonic and TDK (-: Call Rod AC6V at 760-945-6050 E-Mail rodac6v@cox.net

***Personal equipment ads** are free to members and could be "bumped" after 3 mo. Make up your ad like the ones below and send to the email address below **before the 18th of each month.***

***Commercial Ads** in big boxes: \$2/col. inch/mo. We will "squash" your copy to the number of inches bought.*

**SCOPE@palomararc.org**

**(11.16)** CUBIC ASTRO 150A TRANSIEVER FIX OR MOBILE 10-160M SSB 100WPEP w/PS and Manual \$300, KENWOOD 2M TRANSIEVER MODEL TR-7330 5-25W w/AUTO PATCH MIKE MC-46 w/ARX-2M ANT, MANUAL \$200, ASTRO PSA w/MANUAL \$25, SWAN LINEAR AMP MODEL 1500Z, 1500 W PEP, w/MANUAL \$400, HY GAIN ROTOR w/CONTROL BOX AND MANUAL \$100, REMOTE MOTOR DRIVEN COAX SW 6 POS w/CONTROL BOX \$100, PALOMAR SWR-PWR METER

**(11.16)** AN/URM-25D Signal Generator, 10kHz to 50Mhz in 9 bands. With front cover and manual, no accessories. Two Available. \$75 Each Richard W6RLC 619-224-9900

**(11.16)** AC-DC Current Calibrator, Valhalla Model 2555A. 0-100 Amps, 0-2V input DC—1 kHz. With Manual. \$40 Richard W6RLC 619-224-9900

**(10.18)** I have a vx-7r with ext antenna and mic for sale for 150.00 can this be put in the scope my ph # is 619-251-6104 Craig Beresh 1 877 777-5492 Team San Diego

**(9.3)** WWII Military surplus HF receiver, transmitter and power supply (three separate units) to go to a good home or to be salvaged for parts. The transmitter puts out about 30 Watts, and all gear work last time it was fired up. Runs off 115 VAC. Frank Burns W6KGG 723-1792.

**(9.4)** Wilson Hand Held Mark IV Transceiver. Good radio to monitor channels on. Asking \$25. 4 Element 10 Meter YAGI beam. All stainless hardware with W2 DU beam balun. Like new works great \$75. Please contact Bayard K6GAO 858-755-5507

**(8.1)** ICOM-756 PRO II HF/6m all mode, Like New in original box. Manual and accessories included. A real Bargain at \$1,750, Allan AE6AN (w) 858-566-9829 (h) 858-481-1880

**(8.3)** Hallicrafters HA6 (6 Meters Transverter) \$30.00, Cushcraft AR-2 2 Meter Ringo Antenna \$15.00, Knight Kit R55a Receiver \$45.00, Knight Kit Span Master Receiver \$35.00. Jerry Kopack, KF6MYE 760-436-6238 or JKopack@DIRECPC.COM

w/MANUAL MODEL M-827 0-200W \$50, SWAN SWR-PWR METER MODEL SWR-1 w/MANUAL \$20, DUMMY LOAD 1KW \$10, B&W G POS COAX SW MODEL CSAGG 1KW \$20, CUBEX 4 EL QUAD 30' BOOM w/QUAD ARMS FIBERGLASS SPREADERS w/INSTRUCTION MANUAL \$150, KRIS W6KTE 760-941-3555

**(11.16)** Cushcraft RF-8 6 Months old \$200Diamond 144/440 Dual band base antenna \$50 you take down. James 722-2797 no8rf@cox.net

### The NiCad Lady Co. O.E.M. Assembly Rebuilds Batteries-Lead Acids Replacement Packs

20585 Camino Del Sol Unit B (909)653-8868  
Riverside, CA 92508 Fax (909)653-5189  
www.nicdlady.com email: nicdlady@nicdlady.com

(RFI Continued from page 1)

**Date/Time of recording**  
**State mode of reception - AM preferred**  
**Frequency of reception**  
**Relative S-meter readings as you tune up and down frequency band if noise level reading varies in intensity**

While making recording, annotate the audio tape with comments with the following information. Send the cassette tape recording to Mr. Seiter and then call Mr. Seiter and advise him the tape has been sent to his office.

I have found that using an AM VHF receiver to pinpoint noise sources to be very effective especially if you have a resonant directional antenna to utilize. I have had much success triangulating noise source using a portable 3 element 2 meter beam and 2 meter AM receiver with an S-meter. ( Using a portable AM receiver as suggested at web site article will also work if you don't have access to 2 meter band equipment capable of AM mode reception and a resonant antenna).  
 73, Dennis Vernacchia N6KI

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**Charles L. Calvert,  
 KA6GRG, Silent Key**

Chuck passed away Wednesday, December 8 at his home in Vista. He was a very active CW operator for a number of years and was a long time member of PARC, although he let his membership lapse several years ago. Chuck served aboard the USS Iowa (BB61) as a signalman during WWII. In addition to Amateur Radio, Chuck was a dedicated sailor, having made several small boat trips to Hawaii, a serious photographer, and a collector of almost anything electrical that was portable. He took up bicycling in the early '80s at the age of 70. Those who knew Chuck will not forget him.

## Web Pages

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

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

**ARES Alert Publication**  
<http://sanarll.org/alert.htm>

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

**Echolink**  
<http://www.echolonk.org>

**IRLP**  
<http://www.irlp.net>

**The Friday "Lunch Bunch" de KA6K**  
[www.KA6K.com](http://www.KA6K.com)

## Handy URLs for HFers

**HF Beacons from around the world (on the same frequency for each band)**  
<http://www.ncdxf.org/Beacon/intro.html>

**Current Solar Reports**  
<http://www.wm7d.net/hamradio/solar/index.shtml>

<http://www.wn6k.cts.com/>

**DX Packet Cluster Spots via telnet (N7OD in Hemet is a good one)**  
<http://www.cpcug.org/user/wf eidt/Misc/cluster.html>

**World wide DX Spots**  
<http://oh2aq.kolumbus.com/dxs/>

**Latest DX Operations**  
<http://www.ng3k.com/Misc/adxo.html>  
**Contest Calendar and Rules, required reports, etc**

<http://home.online.no/~janalme/hammain.html>

**Six Meter Beacons Map**  
<http://www.qsl.net/k9mu/map.html>

**Much more on HF and DXing - Nets, Maritime Mobile, DX Nets, Prefixes, Distance and beam headings**  
<http://ac6v.com/dx.htm>

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

**Jo Ashley** **KB6NMK@amsat.org**  
 Subject: Treasurer's Report  
 Balance Sheet as of November 30, 2004

B of A Checking	1,535.82
CD	2,713.00
CD	3,430.01
CD	2,865.96
CD	2,66.02
Post Office	98.08
<b>TOTAL</b>	<b>13,508.89</b>

Liabilities	
Pre-paid Dues	7,276.00
Property Insurance	2,400.00
<b>TOTAL</b>	<b>9,676.00</b>

Equity	3,832.89
<b>TOTAL Liabilities &amp; Equity</b>	<b>13,508.89</b>

## 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 Fire Station #1  
 Escondido Fire Department  
 310 North Quince Street  
 Escondido, CA 92025

Contact Harry **W6YOO**  
 760-743-4212 or  
**W6YOO@amsat.org**

**Register 5-7 days in advance for tests.**

## 10 Meter Net

Monday - Friday

8:00 pm Local time

**28.340**

WA9MTP Dennie in Vista is net control.

Rod, AC6V

## PARC Hiker's Net News

By Bernie - N6FN

### Geminids on Ghost Mountain

With the cooler weather its time to consider visiting our local desert areas. The recent rains have "greened" up the desert and many desert plants are starting to bloom. It should be a good year for flowers.

On December 11<sup>th</sup> Jeff-KG6AXR, his wife Julie-KG6BPP and myself journeyed to Little Blair Valley in the Anza Borrego State Park to spend the night on top of Ghost Mountain. The lure of watching the Geminid meteor shower amid the ruins of the old Marshall South adobe cabin is what drew us to this remote location. Built over several years in the 1930's, Marshall South lived in the home about 15 years, authoring many articles about desert life and his experiment in desert self-sufficiency.

Even today, this is not your average-every-day location for a home. After driving on dirt roads to the south end of Blair Valley to the trailhead, you hike a mile up the mountain with 400 feet elevation gain to arrive at the homestead. A fairly easy hike today, even with a backpack. But in the 1930's, hauling building materials and supplies up the rocky mountain footpath would have been a real chore.

A few of the old adobe walls are still standing, as well as several of the cisterns that were used to collect water from the metal roof. Marshall and Tanya South called their home "Yaquitepec" and raised three children there, home schooling them and not leaving until sometime in the mid 1940's.

After getting camp set up, pretty easy when all we did was throw our sleeping bags onto a ground tarp, we used the 147.240 Monument Peak Repeater to contact Paula-KF6KBZ. She and her husband Pat were nearby in Little Blair Valley, attending their monthly amateur astronomer star gazing party. Bill-AA6J heard us on the repeater and joined in, he was on a backpack trip with a group of scouts at Indian Hill near the Carrizo railroad tracks at the southern end of the park.

After signing off the repeater, we enjoyed the starry winter sky and conversation until dozing off. At 12:30 am we awoke to watch the meteor shower while laying in our warm sleeping bags.

The meteor shower was varied. At times we would see two or three meteors a minute, at other times several minutes would go by with seeing any. After about an hour of watching we drifted off to sleep--dreaming of what it would have been like to live in such a remote and uninhabitable location 70 years ago.

For more information on Yaquitepec and the South's home-

stead, visit: <http://www.desertusa.com/mag99/mar/papr/mtssouth.html>

Hiker Net hams get together every Friday evening at 9 pm on our 147.630 machine to discuss trip ideas, reports of recent trips and other outdoor related topics. The net is open to everyone and new participants are always welcome.

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**Want to find a web site that gives lots of information on San Diego ham stuff. Includes all known ham clubs, ham/electronic/hardware stores, ARRL info, emergency groups, upcoming ham classes, ham exam locations, luncheons/barbecues, auctions, swap meets, swap nets, repeater guides and long range interties, echolink, IRLP, and much more including San Diego Tourist attractions --- all at URL: <http://ac6v.com/sandiego.htm>**

### Repeater Maps & Guides

**SD County Map** -- <http://roars.net/repeaters.htm>

**Southern Calif Repeater List** --- <http://rptrlist.w6jpl.ampr.org/Main.htm>

**PARC Fabulous Friday Feast**  
<http://ka6k.com/>

**SD Traffic Reports**  
<http://www.dot.ca.gov/dist11/d11tmc/sdmap/mapmain.html>  
<http://cad.chp.ca.gov/>  
<http://www.sigalert.com/>

**SD Weather with RADAR**  
<http://www.wunderground.com/>

**San Diego Tourism and Attractions**  
<http://ac6v.com/sandiego.htm>

**City Maps**  
<http://www.mapquest.com/>  
<http://maps.yahoo.com/py/maps.py?csz=San+Diego,CA>

Rod—AC6V

## Fishing for Ham

If you want to catch a Ham you have to know where to look. They're hard to identify because sometimes hams themselves don't even know that they are hams, especially the young ones. So to catch some, you simply have to dangle some bait in front of a group and see what happens. But once one of them finds the bait attractive look out...they're hooked! While some might get away, others can't be shaken off the hook, even by their friends and mates! Why they even try to get their friends on the same hook! Strange critters these hams! The trouble is, just where do you find them?

I've had an amateur radio club at my high school for six years. I would say that for two of those years the club has been ok, two years the club has been fantastic, and two other years have been less than stellar. I simply have to try different things each year to attract student interest and see who takes the bait. I've had years with 14 students active and involved, and I've had other years with only one student! But in the end, new young amateur radio operators have become involved in the hobby that might not have otherwise, and that's good for ham radio. So what's the point of all this?

I was wondering where else we can go fishing for new hams? I recognize that just like fishing, sometimes you have no luck, but a few bad days at the lake doesn't keep a fisherman home forever. How about fishing for hams at Boy Scouts, Girl Scouts, and schools. Lately I've heard that the fishing at the Vista homeschool group has been great! Are there any other groups that you might know of? I bet that most of these groups have been fished before, maybe even without luck, but you never know if your luck will change unless you try again.

So, does your Scout troop need help with a Radio merit badge? Are you already involved in Scouts, schools, churches, homeschooling, or any other group? Let's see if we can dangle some amateur radio bait and get some new people hooked on the hobby. Email me if you want to help with the fishing, or if you are already involved with a pond you'd like to fish. Maybe we can reel in a few new hams!

John, kg6equ  
PARC Board New Member Representative  
kg6equ@amsat.org

## SIGNAL REPORTS

It is important for we amateurs to maintain a high level of quality about our transmissions. In an emergency, you need a good solid signal into the repeater with adequate deviation and clear audio to expedite communications. If you are in a poor location or using an HT -- your signal may be weak and have path noise (repeater limiters not engaged) and you may drop in and out of the repeater so no one can copy.

A typical value for engaging the limiters might be about 0.5 to 0.6 microvolts, but this depends on how the repeater is set up. The repeater may pick up signals as weak as 0.2 microvolts again depending on how the repeater is set up. Raising power may help and a better antenna will certainly help.

When giving reports -- tell the transmitting station if they are full quieting and have adequate deviation and clear audio. Low level audio will make it difficult for mobiles with road noise to copy you. Bassy muffled audio is hard to copy -- cured with a better microphone. Describe the degree of path noise -- none, small, moderate, heavy or make a subjective percentage e.g. 90% quieting. Sometimes, low audio can be cured with being closer to the microphone or raising your voice, but if these don't help, an internal deviation control may have to be adjusted. If you are dropping in and out of the repeater with lots of path noise, DON'T shout into the microphone, this causes the available audio to spread (deviate) across a wider bandwidth and may cause excessive dropouts. If you dropping in and out of the repeater, keep your transmissions short and have others assess whether or not you are getting into the repeater with an intelligible signal.

Giving signal reports of 59 (HF stuff) means nothing on FM repeaters as there is no way to tell what the signal amplitude is -- if it is a full quieting signal. If you report loud and clear - one can be loud and clear and still have path noise -- so it isn't a very good way to report signals on a repeater. Always keep in mind that the other station is coming through the repeater, you are not hearing them direct. You are coming in loud and clear here in El Cajon means nothing -- it is the repeater that you are hearing not the other station direct. Receiving you 5 by 5 - (Military or Police style) doesn't mean much to the average repeater user either. Best describe the degree of quieting and the audio level and quality.

**Keyboard To You -- Rod AC6V**

**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

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