

# 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.

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(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](mailto: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)

<b>Pres:</b> Steve Early	<b>AD6VI</b>
<b>VP:</b> Dennis Baca	<b>KD6TUJ</b>
760.722.0251	<a href="mailto:KD6TUJ@amsat.org">KD6TUJ@amsat.org</a>
<b>Sec:</b> Paul Williamson	<b>KB5MU</b>
<b>Treas:</b> Jo Ashley	<b>KB6NMK</b>
760.741.2560	<a href="mailto:KB6NMK@amsat.org">KB6NMK@amsat.org</a>
<b>Dir#1:</b> Tom Martin	<b>KG6RCW</b>
<b>Dir#2:</b> Mark Raptis	<b>KF6WTN</b>
<b>Repeater Site:</b>	<b>W5NYV</b>
Michelle Thompson	<a href="mailto:W5NYV@amsat.org">W5NYV@amsat.org</a>
858.229.3399	
<b>Membership:</b>	
Al Donlevy	<b>W6GNI</b>
760.630.3096	<a href="mailto:W6GNI@amsat.org">W6GNI@amsat.org</a>
<b>New Member:</b>	
John Earnest	<b>KG6EQU</b>
858.484.8579	<a href="mailto:KG6EQU@amsat.org">KG6EQU@amsat.org</a>
<b>Repeater Technical:</b>	<b>AB6QT</b>
Mike Doyle	<a href="mailto:AB6QT@amsat.org">AB6QT@amsat.org</a>
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](http://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 Radiomagazines.

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4CX250B & R - 4CX400A

Complete Inventory for servicing Amateur and

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

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

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**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

Attendance

ATV

Auction

Badges new

Batteries

BBS Monitor

Billing:Ads/etc

Contest Info

Control Ops

Del Mar Fair

Emergency QTH's (Emergency Com Centers)

Harry H

Dennis V

Field Day

Field Day Tech

Inventory

New Members

Nets

Newsletter

PALBBS Pkt

Patch Info

PatchETronics

Picnic

Power AC/DC

Programs

Publicity

QSL Cards

RACES Info

RED Flag

Repeater Site

Repeater Skeds

SANDARC

Seller Table

Assistant SW Div Dir

Tech Site

Testing VE

Training

Trustee W6NWG

Dennis S

Al

Art

Al

David

Bill B

Lyell K

Dennis V

-filled

W6YOO

N6KI

Charlie R

John K

Dennis B

John E

Michelle P

Bruno H

Stan R

Jerry H

Mike P

Dennis B

Merle R

Jo A

Michelle T

John K

Mike D

Rusty M

Mike D

**K7DCG@amsat.org**

**W6GNI@amsat.org**

**KC6UQH@amsat.org**

**AD6VI**

**W6GNI@amsat.org**

**KD6EBY DAT@Gerry.Palomar.caltech.edu**

**N6FMK@amsat.org**

**K6GVM@arrl.net**

**N6KI@amsat.org**

**N6NWG@amsat.org**

**W6YOO@amsat.org**

**N6KI@amsat.org**

**NN3V@amsat.org**

**WB6IQS@amsat.org**

**KD6TUJ@amsat.org**

**KG6EQU@amsat.org**

**W6MYP@amsat.org**

**KF6QDP@amsat.org**

**W9FQN@amsat.org**

**WB6FMT@amsat**

**K6MRP@amsat.org**

**KD6TUJ@amsat.org**

**KR6BT@juno.com**

**KB6NMK@amsat.org**

**W5NYV@amsat.org**

**WB6IQS@juno.com**

**AB6QT@amsat.org**

**DuneDancer@cox.net**

**W6NWG@amsat.org**

**AB6QT@amsat.org**

## 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

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 Antennas**  
**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.  
**Monday thru Saturday**  
**858 560-4900 or toll free 1-800-854-6046**

*Ask about our great prices*

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 Club Meeting	6	7	8
9	10	11	12 Board Meeting	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



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

### 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!

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

### Last Month's Fold & Staple Crew



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

# 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 Jaz 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 OptoDisk, 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 \$200 Diamond 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://sanarrrl.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/wfiedt/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>

Rod, AC6V

## **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.

## 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/mtsouth.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.

---

**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  
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at Vista CA  
92085-9998

# Scope

Address Label Here

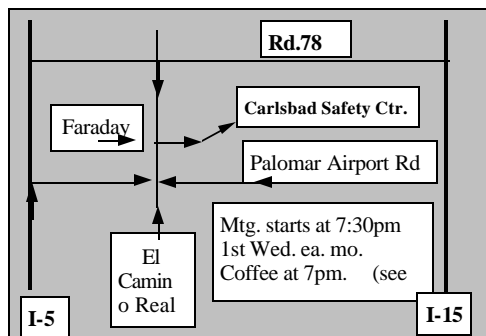
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## ***Palomar Amateur Radio Club Inc.***

**Scope (USPS #076530) Vol. XXXII No.1 , January 2005**, published monthly by PARC  
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**Editor: Michelle Poirier W6MYP, 2969 Valley Street, Carlsbad, CA 92008**  
Scope address for newsletter submissions: **scope@palomararc.org**

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



# Palomar Amateur Radio Club

Volume XXXII No. II

February 2005

## February Meeting

### February 2nd

**The February PARC Meeting will be the 69th anniversary of the Palomar Amateur Radio Club.**

**The program will be a "Short History of PARC" by Stan Rohrer, W9FQN, who will be assisted by some of the "Old Time Presidents" of PARC. There will also be short history "snap shots" by John WB6IQS, Dennis N6KI, Paul KB5MU, and Al W6GNI.**

## Inside this issue:

Contest Coral	2
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Board Meeting Minutes	4
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## President's Message

The year has had a good start. In January, we had a good presentation on the Western Intertie Network WINSys, by Jeff (Shorty) Stouffer, K6JSI.

This month: PARC Birthday Party. The presentation will be a "Short History of PARC" by Stan Rohrer, W9FQN. Stan was the President of PARC when I joined, and is one of the most knowledgeable persons regarding the history of Amateur Radio in San Diego County. While PARC has a long history, which cannot possibly be told in one evening, I am sure that we will be entertained and enlightened by the history "snapshots". Personally, I am looking forward to hearing many of the things that have been accomplished by our membership. I expect that we will all come away with the sense that we

can make a difference, as those before us have. Afterward, there will be PARC birthday cake. PARC is 69 years young. Bring a HAM friend and an appetite.

On March 2nd, the presentation will be geared towards new and returning HAM's, titled: "I have my license, now what....". This is an opportunity to call on friends that have just received their licenses, or have not been on the air in a long time. It is also an opportunity to meet HAMS that are looking for advice. The presentation will cover such things HAM etiquette, resources, GOTA, Amateur Programs and available training. Bring a new ham.

April 6th will be a Presentation by the San Diego Impe-



rial Counties Chapter of the American Red Cross. We will receive an overview of what the Red Cross actually does for Disaster Relief, and how HAMs support this worthy cause.

May 4th will be a presentation on APRS.

It is also time to start thinking about Field Day (end of June) and the coming Wildfire season. Remember that one of the five reasons for Amateur Radio, in the United States, is Public Service. The June 1st program

(Continued on page 2)

## From NZ6T Tuck Miller

Greetings to all my Amateur Radio friends thru out Arizona and Southern California. I would like to announce to you a new web site, and a new newsletter. Both are called Tuck's 5 Nine 9. The web page is chock full of news of interest to all hams thru out the region, and will continue to be updated on a regular basis. The newsletter will also be posted on the web site, and a notice will be sent out when the newest edition is online. I have always tried to keep people informed of what is going on around them, and that

will not stop.

I ask that you visit the new web site at [www.qsl.net/599](http://www.qsl.net/599). Take a look around. Tell all your friends about the new site, and please participate. When topics arise, that need your opinion, we will be creating a poll, so your voice can be heard. If your club or group has an upcoming event, let us know about it. If you have photos of your group in action, send them along. This new venture can only be successful with YOUR help!!! With this in

mind, I ask for the following:

- Please make sure I am on your newsletter list, whether it be by snail mail or by electronic means. If you have an e-mail reflector, please add me to it. Just use my e-mail address above.
- Post a link to the 599 website on your club's web-site.
- Send me anything that you would like to see on the site.

(Continued on page 7)

(President's Message Continued from page 1)

will be on Contesting Techniques.

The Amateur Radio Emergency Service will provide the July 6th program.

August 3rd will be T-Hunting - In preparation for the PARC Picnic

September 7th - Microwave

October 5th is the Annual PARC Auction -

November 2nd - Go-Kits and Power Compatibility.

December 7th is the PARC Christmas Social and Elections.

Again, bring a friend to the PARC Birthday party.  
See you there

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  
858.229.3399 W5NYV@amsat.org

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

**New Member:** **KG6EQU**  
John Earnest  
858.484.8579 KG6EQU@amsat.org

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

## Contest Coral

What a difference a year makes. Last year at this time I was in Antarctica, came home at the end of the month and underwent Surgery on my right femur and there was no contest column in Feb.

Feb 5 DE, MN, and VT QSO Parties  
Feb 5 10-10 Int'l Winter Contest, SSB  
Feb 5 Mexico International RTTY Contest  
Feb 6 NA Sprint, SSB  
Feb 10 KCJ Top Band Sprint  
Feb 12 Louisiana QSO Party  
Feb 12 FISTS Winter Sprint  
Feb 14 ARRL School Roundup (ends 2/19)  
Feb 19 ARRL DX Contest, CW  
Feb 25 Russian WW PSK Contest  
Feb 26 CQ WW 160 Meter Contest, SSB  
Feb 26 Mississippi QSO Party  
Feb 26 North American QSO Party, RTTY  
Feb 27 North Carolina QSO Party

The above represents about half the contests scheduled for the period. SSB, CW, RTTY, PSK, 160M will provide something for everyone. Lots of state QSO parties for the WAS seekers.

Complete rules may be found in QST, CQ, NCJ, and Worldradio Magazines.

CU in the contest. 73, Harry, W6YOO

## PALOMAR ENGINEERS

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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

Attendance

ATV

Auction

Badges new

Batteries

BBS Monitor

Billing:Ads/etc

Contest Info

Control Ops

Del Mar Fair

Emergency QTH's (Emergency Com Centers)

Harry H

Dennis V

Field Day

Field Day Tech

Inventory

New Members

Nets

Newsletter

PALBBS Pkt

Patch Info

PatchETronics

Picnic

Power AC/DC

Programs

Publicity

QSL Cards

RACES Info

RED Flag

Repeater Site

Repeater Skeds

SANDARC

Seller Table

Assistant SW Div Dir

Tech Site

Testing VE

Training

Trustee W6NWG

Dennis S

Al

Art

Al

David

Bill B

Lyell K

Dennis V

-filled

W6YOO

N6KI

Charlie R

John K

Dennis B

John E

Michelle P

Bruno H

Stan R

Jerry H

Mike P

Dennis B

Merle R

Jo A

Michelle T

John K

Mike D

Rusty M

Mike D

**K7DCG@amsat.org**

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**N6NWG@amsat.org**

**W6YOO@amsat.org**

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**WB6FMT@amsat**

**K6MRP@amsat.org**

**KD6TUJ@amsat.org**

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**KB6NMK@amsat.org**

**W5NYV@amsat.org**

**WB6IQS@juno.com**

**AB6QT@amsat.org**

**DuneDancer@cox.net**

**W6NWG@amsat.org**

**AB6QT@amsat.org**

## 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	Glenn Jones	KG6JDF@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

## Minutes Palomar Amateur Radio Club Board of Directors January 2005

The meeting was called to order at 7:15 PM by KD6TUJ at the home of KR6BT.

Present were:

Vice President, Dennis Baca KD6TUJ  
Secretary, Dick Kalkofen, K6KAL  
Treasurer, Jo Ashley, KB6NMK

Director Steve Early, AD6VI  
Director Merle Risdon, KR6BT  
Membership Chairman, Al Donlevy, W6GNI  
Repeater Site Chair Michelle Thompson, W5NYV

# HAM RADIO OUTLET

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

**KENWOOD**  
*rf* **CONCEPTS**  
**DIAMOND**  
**US TOWERS**  
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**YAESU**  
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**HUSTLER**  
**COMET**  
**AMERITRON**

*Astron,*  
**AEA,**  
**OUTBACKER**  
*Larsen Antennas*  
**TEN-TEC**  
*hy-gain, Tri-EX,*  
*cushcraft*  
*and*  
*others too*  
*numerous to*  
*mention!*

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**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.

## FEBRUARY 2005

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

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

- February 2nd Club Meeting PARC Birthday
- February 9th 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



KG6RCW	Tom
K6ISS	Fred
KE6DUG	Rich
W6MYP	Michelle

### Club Membership

New Members Joining PARC:  
 K6PLR. KG6RLA extended as a new Family Membership.

In addition, 5 members reinstated their membership, which had lapsed. Thanks to all. We need new members. I notice a number of hams attended our October auction but have not become members. Our database includes over 1600 records of hams that have been members at one time. I don't think 1200 of them have died or moved out of the area, do you?

Al  
 W6GNI

### Last Month's Fold & Staple Crew



KB6NMK Jo	&	Tyler
W6GNI Al	&	Kathy & Julie
W6YOO Harry	&	W6JAC Jerry
N6UZH Terri	&	Matthew
KR6BT Merle		KG6AEW Bill
KE6DUG Rich		WA5ACE
Sonny		
KB6YHZ Art	&	Janet
KD6TUJ Dennis		

What a wonderful turn out for the first SCOPE of 2005, the last Fold & Staple for 2004!

# For Sale

**(1.20)** Looking to borrow or buy an MFJ-931 Artificial Ground. Jim Keller WB6YXY jkeller@cox.net 760-758-7655

**(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 Jaz 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. 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

**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**

TDK (-) Call Rod AC6V at 760-945-6050 E-Mail rodac6v@cox.net

**(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

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

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Riverside, CA 92508 Fax (909)653-5189  
www.nicdlady.com email: nicdlady@nicdlady.com

\$100, REMOTE MOTOR DRIVEN COAX SW 6 POS w/CONTROLL BOX \$100, PALOMAR SWR-PWR METER 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

**(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

**(8.3)** 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



(NZ6T Continued from page 1)

- Sign up for the 599 newsletter from the website under the newsletter link.

Folks, I am once again looking forward to keeping each of you informed about news and events of the Ham Radio Scene. Drop me an e-mail anytime. 73,

Tuck NZ6T

## Are you a radio buff? Are you a history buff?

If you are a radio history buff you will enjoy this link. It's a recording made in the 30s of a spark gap transmission. <http://www.lakeerieba.com/HobartSparkXmtr/HobartSparkXmtr.htm>

If you don't want to type this into your browser, drop me an email, and I will reply with this link.

Jim Keller WB6YXY [jkeller@cox.net](mailto:jkeller@cox.net)

## IMPROVEMENTS IN FALLBROOK

The Fallbrook Amateur Radio Club operates two open repeaters that cover tough spots for PARC to reach, including coverage into the Temecula Valley. FARC's frequencies are 146.175(+) and 445.600(-) MHz, both with 107.2 Hz PLs, and visitors are always welcome. If you come in on one machine, your audio will go out on both - but if you use 146.175 much south of Escondido or along the coast, beware of bringing up a co-channel non-PLed machine in Whittier.

Two pages of photos covering FARC's move to the CDF site on Red Mountain (at the NE corner of Fallbrook) are ready and available for viewing at <http://fallbrookarc.org/repcdf1.html>. This is quite a repeater site. Enjoy!

W6VR

## Web Pages

### PARC's Home Page -

<http://www.palomararc.org>

### Rod's - AC6V

<http://www.ac6v.com>

### ARES Alert Publication

<http://sanarrrl.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/wfeidt/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>

Rod, AC6V

## Treasurer \$\$\$

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

Balance Sheet as of December 31, 2004

Checking	1,137.43
CD	2,715.62
CD	3,433.47
CD	2,869.94
CD	2,870.01
Post Office	98.08
Total	13,124.55
Pre-paid Dues	6,955.00
Property Ins.	2,400.00
Total	9,355.00
Equity	3,769.55
Total Liabilities & Equity	13,124.55

## PARC Testing

Carlsbad - 2nd. Saturday at 9:30 am in the Carlsbad Safety center.

Contact Rusty **AA6OM**  
760-747-5872 or  
[dunedancer@cox.net](mailto:dunedancer@cox.net)

## EARS Testing

**Escondido** - LAST Saturday at 9:00 am Fire Station #1  
Escondido Fire Department  
310 North Quince Street  
Escondido, CA 92025

Contact Harry **W6YOO**  
760-743-4212 or  
[W6YOO@amsat.org](mailto: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.

## PARC Hiker's Net News

By Bernie – N6FN

### Indian Solstice Cave or What?

Late the afternoon of December 20<sup>th</sup>, the eve of the winter solstice, found Stan, W9FQN and I ascending a steep rocky mountain in Anza Borrego State Park. Climbing through endless boulders, attempting to avoid getting stuck by the occasional cactus or yucca, it appeared that we might not make our destination before nightfall.

Stan had visited the Indian cave several times before, including last summer on the morning of the summer solstice when he and several other hikers observed the rising sun shine through an opening and strike one of several Indian paintings on the ceiling. The question to be answered come morning: do some of the other paintings would align with the rising sun on the morning of the winter solstice?

To be at the cave by sunrise requires hiking in the day before. So here we were, hurrying along trying to get there before nightfall. Stan eventually spotted the cave and we quickly traversed the remaining distance as darkness fell. By the time I found a place to pitch my tent in a small patch of sand just below the cave, it was completely dark. Donning my headlamp I went about the business of setting up my tent and preparing dinner. Stan decided to camp on some rocks just outside the cave. He didn't bother with a tent, just snuggled his sleeping pad and bag in among some boulders.

After eating dinner, I scrambled up the rocks to visit with Stan and look at the cave. The cave formed when a boulder the size of a small house split and fell, landing on top of several smaller boulders. The flat side of the split rock forms the roof and the boulders around the edges make the walls of the cave. It's actually quite cozy and makes an excellent shelter. Stan pointed out the red ochre paintings on the ceiling. There are various designs: stick figures, a number of bursting sun patterns and a couple of zig-zag lines.

Afterwards we sat outside enjoying the brightly shining stars above. From our vantage point on the side of the mountain we could see the lights from El Centro. Using HT's we were able to contact Glen, KE6ZLY and other friends at home. The Monument Peak repeater on 147.240 was usable from our location, but a bit scratchy going direct. Accessing the Black Mountain 147.120 repeater, which is linked to the 147.240 machine produced full quieting communication.

In the morning a layer of clouds threatened to obscure the sun. But fortunately a hole in the clouds eventually allowed the sun to come through. It was immediately obvious a ridge to the southwest of the cave would block the rising sun. We would have to wait until the sun cleared the ridge to observe its effect within the cave.

When the sun finally came over the ridge, it aligned itself with a very prominent vertical boulder on the crest. Was

this important? Would this align with anything in the cave? Stan and I busied ourselves trying as many combinations of alignments as we could think of. Since the sun was too high to shine directly on the roof of the cave, we hit on the idea of hanging a vertical rod from the various paintings to see what the shadow would align with. We finally found one painting from which the cast shadow would align with another painting. Was this significant, or just random chance?

Exploring these ideas and visiting the cave was a lot of fun and certainly gives one a better appreciation of the native Indians that inhabited this land. Did we prove the cave was used to mark solstice events? Personally I'm unconvinced. The cave, however, was (and maybe still is) significant to the Indians, perhaps for offering prayers or other ritualistic purposes.

Hiker Net hams get together every Friday evening at 9 pm on our 146.730 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.

---

There are several interesting web postings on the collapsed KFI and KSON broadcast towers.

Two of my favorites are these annotated picture pages:

KSON: [http://earthsignals.com/add\\_CGC/KSON.htm](http://earthsignals.com/add_CGC/KSON.htm)

KFI: <http://www.earthsignals.com/images/kfi/>

For in-depth stories and more photos yet, see these issues of the CGC Communicator newsletter:

[http://www.bext.com/\\_CGC/2004/cgc664.htm](http://www.bext.com/_CGC/2004/cgc664.htm)

[http://www.bext.com/\\_CGC/2004/cgc666.htm](http://www.bext.com/_CGC/2004/cgc666.htm)

[http://www.bext.com/\\_CGC/2004/cgc667.htm](http://www.bext.com/_CGC/2004/cgc667.htm)

[http://www.bext.com/\\_CGC/2004/cgc668.htm](http://www.bext.com/_CGC/2004/cgc668.htm)

[http://www.bext.com/\\_CGC/2004/cgc669.htm](http://www.bext.com/_CGC/2004/cgc669.htm)

Best regards, Bob/W6VR

---

**ZCZC AG03**

**QST de W1AW**

**ARRL Bulletin 3 ARLB003**

**From ARRL Headquarters**

**Newington CT January 21, 2005**

**To all radio amateurs**

**SB QST ARL ARLB003  
ARLB003 FCC chairman resigns**

FCC Chairman Michael K. Powell announced January 21 that he'll step down, effective "sometime in March." Nominated by former President Bill Clinton, Powell joined the FCC in 1997 and became its chairman two days after President George Bush was sworn in for his first term in 2001. ARRL CEO David Sumner, K1ZZ, called Powell's performance "a deep disappointment" after some initial optimism--especially given his unabashed cheerleading on behalf of the FCC's broadband over power line (BPL) initiative.

"It's no secret that we thought Chairman Powell was going entirely in the wrong direction on BPL and dragging the other commissioners and FCC staff along--willing or not--because he was, after all, the chairman," Sumner said. "A new chairman might be a chance for a fresh start."

When the FCC adopted new Part 15 rules for BPL last October, Powell called it "a banner day." While conceding that BPL will affect some spectrum users, including "all those wonderful Amateur Radio operators out there," Powell implied that the FCC must balance the benefits of BPL against the relative value of other licensed services. He listed the FCC's adoption of BPL rules among the "policy highlights" of his tenure.

Possibilities to replace Powell include the other Republican

members of the five-member FCC--Kathleen Q. Abernathy, a staunch BPL supporter, and Kevin J. Martin. Speculation also has been raised about various outside candidates. "We look forward to the opportunity to work with the new chairman, whoever that may be," Sumner said.

In his announcement, Powell said it was "with a mixture of pride and regret" that he informed the president of his decision to step down. "Having completed a bold and aggressive agenda, it is time for me to pursue other opportunities and let someone else take the reins of the agency," he said. "During my tenure, we worked to get the law right in order to stimulate innovative technology that puts more power in the hands of the American people, giving them greater choices that enrich their lives."

The chairman said the seeds of the Commission's policies under his leadership "are taking firm root in the marketplace and are starting to blossom." He cited the increased use of cell phones, digital TV and other digital technology "increasingly connected anytime, anywhere by a wide variety of broadband networks." Proclaimed Powell, "Our children will inherit this exciting future."

As FCC chairman, Powell also was in the forefront of enforcing the Commission's rules on indecency, largely through imposing huge fines on violators. He also supported changes in media ownership rules that permitted even greater concentration of broadcast station ownership.

NNNN

/EX

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P.O.Box 73, Vista, CA 92085-0073

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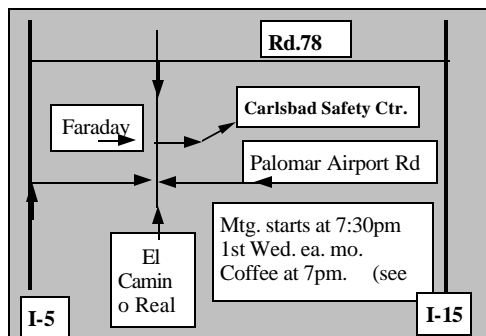
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## ***Palomar Amateur Radio Club Inc.***

**Scope (USPS #076530) Vol. XXXII No.2 , February 2005**, published monthly by PARC  
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**Editor:** Michelle Poirier W6MYP, 2969 Valley Street, Carlsbad, CA 92008  
Scope address for newsletter submissions: **scope@palomararc.org**

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



# Palomar Amateur Radio Club

Volume XXXII No. III

March 2005

## March Meeting

**March 2nd**

**7:30pm**

### Carlsbad Safety Center

**"I've got my Ham Ticket,  
What do I do now?"**

A forum with static displays  
(where applicable)  
On The following:

DX, WAS, IOTA -- W6YOO  
6M Dxing -- AC6V  
ATV & Satellites -- KC6UQH  
Digital Modes - PSK31, RTTY,  
PACKET -- AC6V  
QRP & Home brew -- NE6O  
Emergency ARES - KC6YSO  
RACES - K3PXX  
Mobile Radio -- WD6FWE

### Inside this issue:

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## President's Message

It is the season of renewal. The rains have come, the sun will shine again, and we have new growth. It is the same for Amateur Radio. Several Technician Classes are graduating throughout the San Diego Section.

To this end, the March PARC Meeting Program is "I have my License, Now What?"

This program is geared towards the new HAM, but will be of interest to most HAMs. It will be a series of 5-minute talks on different aspects of Amateur Radio, with an opportunity to learn more about each after the presentations.

### Topics covered will be:

- 1) Palomar Amateur Radio Club
- 2) ARRL San Diego Section
- 3) Amateur Radio Emergency

### Services

- 4) RACES
- 5) QRP & Home Brew
- 6) DX
- 7) ATV & Satellites
- 8) Digital Modes
- 9) How to use a repeater guide
- 10) How to use a phone patch
- 11) How to start or join a normal conversation
- 12) How to make an Emergency Communication.
- 13) What to do in a declared emergency

Most of us take these topics for granted, but we need to remember when we, too, were new to Amateur Radio and we need to provide the type of help most of us received back then. Most of these topics can fill several meetings. We are going to boil them down to the absolute essentials and



present them in five minutes, or less. Stick around, afterward, and learn more on the topics that interest you.

To serve both new and seasoned hams alike, PARC is looking for a core group of HAMs to rekindle the Clubs' reputation for Service to the Amateur Community. With all the things that we can do, the only limiting factor is what we, as individuals, are willing to do for the amateur community.

(Continued on page 4)

## Technical Report: de AB6QT

On the 13th of February, Dan K6NKC assisted me at the repeater site in working out a problem with the 146.730 repeater. It has now had a tune up with the exception that I had errored on the setting of the XMTR frequency which should be fixed by the time you read this. As for the 147.130, I learned about its failure around the 3rd of Feb but I soon learned that it had been off the air since at least the 26th of January. Thanks to all who notified me, there were several

of you. For years the 147.130 has had an intermittent with the circuitry that interfaces the repeater to the WB6JHQ controller. On several occasions I was able to "sneak up on it" to the point that I knew the problem was with the PL section but it always started working at the moment I disturbed it so this time I took the module out and took it home to do a complete re-solder of connections. It should be back on the air by the 21st of Feb. My phone number is listed next to my

call sign on every issue of the SCOPE under the board of directors so please give me a call on the phone if you notice any repeaters malfunctioning. If nobody answers then you will have an opportunity to leave a message. Please leave a phone number so I can call you back if I have questions. Thanks to Dan K6NKC for his diligent assistance on Sunday.

**73 de AB6QT.**

## Are you a radio buff? Are you a history buff?

If you are a radio history buff you will enjoy this link. It's a recording made in the 30s of a spark gap transmission.

<http://www.lakeerieba.com/HobartSparkXmtr/HobartSparkXmtr.htm>

If you don't want to type this into your browser, drop me an email, and I will reply with this link.

Jim Keller WB6YXY [jkeller@cox.net](mailto:jkeller@cox.net)

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

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

## Contest Coral

Mar 5	ARRL Int'l DX Contest, SSB
Mar 6	DARC 10 Mtr Digital Contest
Mar 8	ARS Spartan Sprint
Mar 10	Pesky Texan Armadillo Chase
Mar 12	RSGB Commonwealth Contest
Mar 12	Oklahoma QSO Party
Mar 13	Wisconsin QSO Party
Mar 13	North American Sprint, RTTY
Mar 19	10-10 Int'l Mobile Contest
Mar 19	BARTG Spring RTTY Contest
Mar 19	Virginia QSO Party
Mar 26	CQ WW WPX Contest, SSB
Apr 2	EA RTTY Contest
Apr 2	Polish DX Contest

The two big ones this month are the ARRL DX and the CQ Magazine's WPX. These are really big and folks come out of the woodwork to participate. These are only the most popular contests during the month. There are others and you can find them and all the rules and regs for the ones listed in QST, CQ, NCJ and Worldradio. Try it, you'll like it.

**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**

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Please check our complete ads in QST, 73, CQ, and World Radiomagazines.

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

4CX250B & R - 4CX400A

Complete Inventory for servicing Amateur and

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

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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

Attendance

ATV

Auction

Badges new

Batteries

BBS Monitor

Billing:Ads/etc

Contest Info

Control Ops

Del Mar Fair

Emergency QTH's (Emergency Com Centers)

Harry H

Dennis V

Field Day

Field Day Tech

Inventory

New Members

Nets

Newsletter

PALBBS Pkt

Patch Info

PatchETronics

Picnic

Power AC/DC

Programs

Publicity

QSL Cards

RACES Info

RED Flag

Repeater Site

Repeater Skeds

SANDARC

Seller Table

Assistant SW Div Dir

Tech Site

Testing VE

Training

Trustee W6NWG

Dennis S

Al

Art

Al

David

Bill B

Lyell K

Dennis V

-filled

W6YOO

N6KI

Charlie R

John K

Dennis B

John E

Michelle P

Bruno H

Stan R

Jerry H

Mike P

Dennis B

Merle R

Jo A

Michelle T

John K

Mike D

Jim Carmichael

Mike D

**K7DCG@amsat.org**

**W6GNI@amsat.org**

**KC6UQH@amsat.org**

**AD6VI**

**W6GNI@amsat.org**

**KD6EBY DAT@Gerry.Palomar.caltech.edu**

**N6FMK@amsat.org**

**K6GVM@arrl.net**

**N6KI@amsat.org**

**N6NWG@amsat.org**

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**N6KI@amsat.org**

**NN3V@amsat.org**

**WB6IQS@amsat.org**

**KD6TUJ@amsat.org**

**KG6EQU@amsat.org**

**W6MYP@amsat.org**

**W6AFK@amsat.org**

**W9FQN@amsat.org**

**WB6FMT@amsat**

**K6MRP@amsat.org**

**KD6TUJ@amsat.org**

**KR6BT@juno.com**

**KB6NMK@amsat.org**

**W5NYV@amsat.org**

**WB6IQS@juno.com**

**AB6QT@amsat.org**

**N6FU@amsat.org**

**W6NWG@amsat.org**

**AB6QT@amsat.org**

## 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	Glenn Jones	KG6JDF@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

*(President's Message Continued from page 1)*

PARC is renewing emphasis on several committees, starting with Membership, Field Day, and Training. Emphasis on other committees will follow in the next several months.

#### **Membership Committee:**

All clubs and organizations have to actively pursue new members, from time to time. It is now time for PARC to do so. With all the other distractions in the world, we need to actively promote PARC in particular, and Amateur Radio in general, or we will lose invaluable spectrum to commercial interests.

#### **Field Day Committee:**

Field Day is approaching. This is an opportunity for new hams to get a taste of HF, as well as to promote the club. There is much work to be done, and many hands will make it much easier.

#### **Training Committee:**

One service to the amateur community is the availability of Licensing Classes. Currently, there are only a few of us that take the time to serve as instructors. We need a few more. I tell you that if I can teach a Technician Class, so can you (I have taught nine over the years, from Vista to Campo). The demand is out there. We simple need

more instructors to fill the local needs.

See you on March 2nd, at 7:30 PM, at the Carlsbad Safety Center. Bring a friend that is interested in becoming a HAM.

**Steve Early, AD6VI  
President, PARC, Inc.**

## **Is Ham Radio Dying Out ??**

**Not according to the IARU page  
at URL: <http://www.iaru.org/statsum00.html>**

**Sez: In 1960 there were 399,000  
Amateur stations world wide  
In 2000 there were 2,789,720  
Amateur stations world wide**

**Rod—AC6V**

# **HAM RADIO OUTLET**

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.  
Monday thru Saturday  
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*Ask about our  
great prices*

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.



## MARCH 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2 <i>Club Meeting</i>	3	4	5
6	7	8	9 <i>Board Meeting</i>	10	11	12
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

- March 2nd Club Meeting
- March 9th 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



KG6RCW  
KE6DUG  
KE6ZLY  
KG6RKX

Tom  
Rich  
Glenn  
Karen

### Club Membership

New Members Joining PARC:  
WD9BBC, KG6WJD, KB6JFX, KG6YDA,  
and Carl Hixon (No call yet). Please be sure  
to welcome these new members.

In addition, many members reinstated their  
membership, which had lapsed during 2004.  
It appears that the system of just printing a  
member's expiration date on the label each  
month needs improvement. As a result of a  
personal letter, numerous members renewed  
their membership, many thanking us for the  
reminder. (Suggestions, anyone?)

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

Al  
W6GNI

### Last Month's Fold & Staple Crew



KR6BT Merle  
Sonny  
W6GNI Al

&

WA5ACE

Kathy

KB6NMK Jo

&

Toby

# For Sale

**(2.12)** Cushcraft R-8 Antenna For Sale Like New - Original Box - \$275 OBO Contact: Juan - kg6yda@hushmail.com

**(2.11)** Tempo S-2 (220 Mhz) Handheld with SS-32 PL & DTFM built-in. With Charger. \$60.00, Galaxy Electronics PR550 Phone Patch \$20.00, 2.4 Ghz Wireless CCD color CCD camera w/5 inch LCD Color Monitor complete \$50.00, Panasonic KX-F155 combo FAX/Ans Machine \$40.00, Texas Instrument TI-2000 AT Slim Line Laptop w/3.5 disc drive 20 Mg HD w/ac adaptor (ideal for portable Packet) \$25.00, Panasonic DT-680 BI-Amp Music Center w/wireless remote control \$60.00, Panasonic (new-unopened) ST-C30 Super VHS Compact Video Tape \$2.00/ea, VHS (new - unopened) Compact Adaptors to Regular VHS, \$15.00/ea, Too Numerous List - Panasonic Electronic accessories (email your request or call) , Yaesu FT-230R Two Meter mobile transceiver w/SS32 PL, \$70.00, Dell E551C 15 inch computer monitor (new - unopened) \$60.00, Epson C60 Ink Jet Printer (new- unopened) \$60.00, Avenger 4000 commercial alarm system 2 sirens, keypad, 8 PIR's , 1 Sonic, \$100.00 OBO, Contact Dennis K7DCG, 858-748-9046 or email K7DCG@arrl.net

**(2.11)** Swan 350 with matching power supply and lollipop mike, asking \$250.00.

Kenwood tm201B FM 2 mtr Transceiver, asking \$50.00., Hallicrafter ht-40 transmitter with ha-5 vfo, asking \$175.00., Yaesu ft2700rh fm dual bander, asking \$85.00., 3 window mount air conditioners in the original box, 10,000 btu, 7,800 btu and 6,000 btu, asking \$100.00 per unit., Yaesu ft-221 all band 2mtr (base) lsb, usb, cw, am and fm, asking \$175.00., alf pettersen, wb6taw, 760.941-2428, e-mail: wb6taw@sdccu.net

**(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-

**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**

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

## 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

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 Jaz 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. 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

**(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 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 FIBER-GLASS 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

**(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

## Crossband Repeat

With so many of today's radios having the capability to crossband, it is important for "users" to understand the rules and responsibilities of this mode of communication. Rod AC6V sent this great link to Icom who has re-printed an article from QST Magazine.

[http://www.icomamerica.com/support/documents/crossband\\_repeat\\_info.pdf](http://www.icomamerica.com/support/documents/crossband_repeat_info.pdf)

## IMPROVEMENTS IN FALLBROOK

The Fallbrook Amateur Radio Club operates two open repeaters that cover tough spots for PARC to reach, including coverage into the Temecula Valley. FARC's frequencies are 146.175(+) and 445.600(-) MHz, both with 107.2 Hz PLs, and visitors are always welcome. If you come in on one machine, your audio will go out on both - but if you use 146.175 much south of Escondido or along the coast, beware of bringing up a co-channel non-PLed machine in Whittier.

Two pages of photos covering FARC's move to the CDF site on Red Mountain (at the NE corner of Fallbrook) are ready and available for viewing at <http://fallbrookarc.org/repcdf1.html>. This is quite a repeater site. Enjoy!

**W6VR**

## Web Pages

### PARC's Home Page -

<http://www.palomararc.org>

### Rod's - AC6V

<http://www.ac6v.com>

### ARES Alert Publication

<http://sanarrrl.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/wfheidt/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>

**Rod, AC6V**

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

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

## PARC Testing

Carlsbad - 2nd. Saturday at 9:30 am in the Carlsbad Safety center.

Contact Jim Carmichael

**N6FU**

760 751 2515

[n6fu@amsat.org](mailto:n6fu@amsat.org)

## 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](mailto: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.

## PARC Hiker's Net News

By Bernie – N6FN

### Southern California, Winter Wonderland?

Suffering a bad case of cabin fever as a result of the unprecedented January and February rains, mudslides and road closures, I was wanting to get out and do something.

A day after the weather cleared, while stuck in the ever-present Palomar Airport Road traffic, I could see the beautiful snow covered Mt. Baldy and San Geronio Mountain ranges sparkling to the north.

Knowing that Jeff, KG6AXR is an avid cross-country skier, I gave him a call and he jumped at the opportunity to get in some backcountry skiing. We quickly settled on San Geronio as our destination.

Two days later found us getting up at 4am for an early start. After awhile it became apparent that Jeff, who was driving to Escondido from El Cajon, was running late. Knowing he often monitors the Lyons Peak and Monument Peak repeaters, I tried giving him a call. I didn't pick him up but his wife Julie KG6BPP gave me a call and said that because of a traffic problem on I15 south of the Lake Hodges Bridge he had turned around and was heading towards my place via Highways 67 and 78. Hearing this I settled down to read the paper and monitor our 146.730 machine--going by way of Ramona was going to take awhile.

Shortly Jeff gave me a call and said that he turned around because a crane had fallen over and was blocking the traffic lanes on I15. Oh boy, this was going to be one heck of a mess!

Jeff made good time and by 7am we were on our way north. Getting on I-15 at Highway 78 we missed the problems at the bridge, but the southbound lanes were backed up for miles.

Picking up our wilderness permits at the Mentone Ranger Station, we continued up twisty Highway 38 in the San Bernardino Mountains. Along the way we saw evidence of numerous landslides and washouts caused by the recent storms. But it was smooth sailing for us, Caltrans had done their cleanup and repair work.

Arriving at the locked gate of the old Poopout Hill road, where we were to start skiing from, we were disappointed to see that the snow was barely 4 inches deep. Since the road had been paved at one time (it is now closed to protect the San Geronio Wilderness) we decided to give it a try. At 6,880 feet of elevation there was just enough snow to ski on a smooth road. Perhaps it would improve further up the mountain.

Fortunately as we gained altitude the snow got progres-

sively deeper. A few miles up the road the snow was about two feet deep and we took off cross-country on a more di-

rect route. Off road the increasing steepness soon caused us to stop and attach climbing skins to the bases of the skis. No longer made of sealskins, these marvelous gadgets enable one to ascend very steep slopes.

While taking a lunch break at the summit of Poopout Hill Jeff unpacked his mountaineer's show shovel and demonstrated how to cut blocks of snow suitable for making an igloo. A few weeks earlier, while on a ski trip in Yosemite National Park, Jeff had built a complete igloo shelter. Cutting through the snow, we were amazed that the snow was at least five feet deep only a 1,000 feet higher in elevation from where we started..

Continuing towards the North Face of San Geronio we came across a large avalanche path in the vicinity of South Fork Meadows. No more than a day or so old, it was an awesome reminder of the power of nature. The avalanche had trenched a vast gully into the side of the mountain, sheering all the trees in its path.

Since it was nearing our turn around time, and crossing the avalanche path would be both difficult and dangerous, we turned around and headed back down the mountain.

Skiing back down the mountain was easy and a lot of fun. Another great day in Southern California!

Hiker Net hams get together every Friday evening at 9 pm on our 146.730 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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**POSTMASTER:**  
Send address changes to:  
Palomar Amateur Radio Club  
P.O.Box 73, Vista, CA 92085-0073

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at Vista CA  
92085-9998

# Scope

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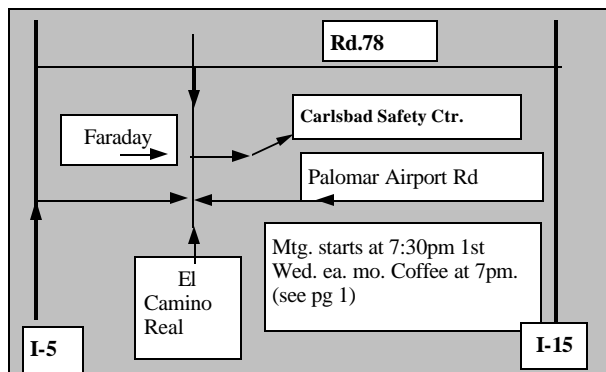
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## ***Palomar Amateur Radio Club Inc.***

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Scope address for newsletter submissions: **scope@palomararc.org**

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



# Palomar Amateur Radio Club

Volume XXXII No. IV

April 2005

## **APRIL Meeting American Red Cross and Amateur Radio**

**April 6th  
7:30pm  
Carlsbad Safety Center**

### **Inside this issue:**

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## **President's Message**

For those who missed last month's program: "I have my License, Now what?", you missed a good program. We will likely repeat it again, next year.

In California, April is "Disaster Preparedness Month". In support of this, the PARC April Program will be given by the San Diego/Imperial Counties Chapter of the American Red Cross. The American Red Cross has long relationship with Amateur Radio. This is due to our unique ability to deploy and operate under difficult emergency conditions and CFR 47, Part 97.1, which reads:

### "97.1 Basis and purpose.

The rules and regulations in this Part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

- (a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.
- (b) ....

We will learn about the purpose of the American Red Cross, how the Red Cross fits into the County Disaster Plan, how the Red Cross respond to daily small disasters, like house and apartment fires, as well as the big events like wild-fires. I have been a direct volunteer with the local Chapter for about 8 years now. I have seen first hand what the rank and file volunteers do for our communities. I have witnessed the need for willing and skilled communicators, communicators



willing to do more that "just operate the radio". This program is an opportunity for you to see the same things I have seen. This will be a good program for all of us whom want to get involved, but have not had the opportunity or have not known what to do.

Looking down the road: The May program will be on home-brewed back-pack portable Automatic Position Reporting System. The June program will be Con-

(Continued on page 4)

## **Silent Keys**

It is with deepest regret that we report to you that friends in our ham community are now Silent Keys.

**Joseph P. Banando**, better known as Joe **KC6QXU**. Joe held the 10-10 # 59560 and the VP #2474. He was a member of some 40+ Chapters. He attended several 10-10 Conventions and Paper Chaser gatherings in Nevada. Many of us will recall signing his T-shirt at

these events. He was an avid 10-10 Contester. He also participated in Emergency Radio services locally. He will be missed by many of us.

Joe, was a retired grocery supervisor. He also raised Orchids and showed them at the Del Mar Fair each year. He was ever proud to show you his photos of his beauties.

### **Harry A. Rouse**

**WB6JVS** has passed away. Harry died of Liver Cancer on

March 7, 2005. Remembrances to the Palomar Amateur Radio Club.

### **Sybil Allbright W6CIG-**

In San Diego's ham radio circles, **Sybil Allbright** was considered the grande dame of dedicated hobbyists a mentor, an organizer and an advocate of communications for the public good. "She was the glue who held us together," said

(Continued on page 9)

## Repeater Technical Report

de AB6QT. On March 6th the 147.130 repeater returned to the air but with a different sound. That's because it's a different repeater. It is important for you to know that this one does not support the autopatch. This is the spare that has been in storage in my garage and I have done some refurbishment to restore its operation. The reason for the swap is that the repeater that failed has a very strange problem and I do not have all of the schematics for it since it was built by someone else that is no longer involved with the club. It will take some time to figure it out. I will have to spend some time "reverse engineering" some of the interface circuits in order to find the problem. I hope to have it back in service some time soon but I am very busy right now with working 2 jobs. Please report any problems with ANY of the repeaters to me by phone call at 760-742-1573. Thanks and 73.

## 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 Radiomagazines.

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

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

## Contest Coral

**Apr 2 Polish DX Contest**  
**Apr 2 Spain RTTY Contest**  
**Apr 2 MO QSO Party**  
**Apr 2 QCWA Spring QSO Party**  
**Apr 9 GA QSO Party**  
**Apr 9 ARCI Spring QSO Party**  
**Apr 9 EU Spring Sprint**  
**Apr 16 Holyland DX Contest**  
**Apr 16 YU DX Contest**  
**Apr 16 MI QSO Party**  
**Apr 23 FL QSO Party**  
**Apr 23 Columbia DX Contest**

Above are some of the many contests to be held in April. SSB, CW, RTTY and other modes are represented. Several state QSO parties for those seeking WAS. Complete rules are found in QST, CQ, NCJ and Worldradio magazines.

**CU in the contest.**  
**73, Harry, W6YOO**

## RF PARTS Company

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*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

ARES Info

ARES Net

Attendance

ATV

Auction

Badges New

Batteries

BBS Monitor

Billing:Ads/etc

Contest Info

Control Ops

Del Mar Fair

Emergency Com Centers

Harry

Dennis V

Field Day

Field Day Tech

Inventory

New Members

Nets

Newsletter

Patch Info

Patch Etronics

Picnic

Power AC/DC

Programs

Publicity

QSL Cards

RACES Info

RED Flag

Repeater Site

SANDARC

Seller Table

Asst.SW Div Dir TBD

Tech Site

Testing VE

Training

Trustee W6NWG

Web

Tony

Dennis S

Al

Art

Tom M

Al

David

Bill B

Lyell

Dennis V

filled

W6YOO

N6KI

TBD

John K

Dennis B

John E

Michelle

Stan R

Jerry H

Mark R

Mike P

Dennis B

Jo A

Steve

Michelle T

Jin /Steve

John K

Mike D

Jim C

Mike D

Paul W

KC6YSP

K7DCG@amsat.org

W6GNI@amsat.org

KC6UQH@amsat.org

KG6RGW@amsat.org

W6GNI@amsat.org

KD6EBYDAT@Gerry.Palomar.

caltech.edu

N6FMK@amsat.org

K6GVM@arrl.net

N6KI@amsat.org

W6NWG@amsat.org

W6YOO@amsat.org

N6KI@amsat.org

WB6IQS@amsat.org

KD6TUJ@amsat.org

KG6EQU@amsat.org

Board Function

W6MYP@amsat.org

W9FQN@amsat.org

WB6FMT@amsat.org

KF6WTN@amsat.org

K6MRP@amsat.org

KD6TUJ@amsat.org

Need Replacement for Merle KR6BT

KB6NMK@amsat.org

AD6VI@amsat.org

W5NYV@amsat.org

NE6O/AD6VI

WB6IQS@amsat.org

AB6QT@amsat.org

Jim\_carmichael@cymar.net

W6NWG@amsat.org

AB6QT@amsat.org

www.Palomararc.org

## 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	Glenn Jones	KG6JDF@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

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

*(President's Message Continued from page 1)*  
testing 101, in preparation for Field Day. The July program will be the provided by Amateur Radio Emergency Services. All of these programs support Emergency Communications.

Now it is time to ask our members of PARC to help their communities and the club. We are looking for volunteers to support several committees.

The first need is for a Filed Day Chairperson. While Field Day is traditionally about making as many contacts as possible (a contest), the setting, for PARC, is always emergency conditions. The Chairpersons duty is to make sure all stations have the supplies they need to stay on the air for 24 hrs. This requires a logistics type of person.

The second need is for a "New Members Chairperson". Our current Chair has a full schedule and is looking to groom/mentor his replacement. This position is traditionally (and deliberately) given to a relatively new HAM. This person has the ear of the PARC Board of Directors, to keep us in-touch with the needs of the next generation of HAMs. The duties include seeking out and getting to know the newest members of the club and attending the Board Meetings.

The third need is for volunteers to staff the membership committee. Like all Amateur

Radio Clubs and Associations, we need to both attract new members and retain existing ones. This will be an opportunity to meet other HAMs in your community and to help the club grow.

After these, we have needs for volunteers for many things, such as repeater site maintenance, special events, Amateur Education, Community Liaison, etc.

Please consider giving your time to help the club, the Amateur Community and the Disaster Relief Community to grow. Intern, these communities will better serve our communities. See you on Wednesday, April 6<sup>th</sup>.

Steve Early  
AD6VI

## EARS ANNUAL AUCTION

All Amateur Radio operators are invited to the Escondido Amateur Radio Society (EARS) annual auction,

Thursday, April 14, 2005. Location is the Salvation Army facility at 1301 Las Villas Way, Escondido (near junction of Center City Parkway and El Norte Parkway. Sellers please register at 6:00 pm, buyers register at 6:30 pm and the auction gets underway at 7:00 pm. Auctioneer will be Art McBride, KC6UQH. Talk-in on the EARS repeater, 146.88(-) with a PL of 107.2 A good chance to get rid of your old boat anchors and acquire new ones.

# HAM RADIO H R O OUTLET

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.  
**Monday thru Saturday**  
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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.

# APRIL 2005

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

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

- April 6 Club Meeting
- April 13 Board Meeting
- April 14 EARS Auction—See Page 4 for details

## 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



KG6RCW Tom  
W6OJ Joe  
WB6BFG Bill  
N6UWW Ellen

### Club Membership

New Member Joining PARC: Kurt, N6MD

We had 10 "old" members reinstate their membership after considerable delay. Welcome back. The Board is seeking helpers to encourage membership in the club, and to retain the members we have when renewal time comes about.

Al  
W6GNI

### Last Month's Fold & Staple Crew



March Issue Fold & Staple Crew  
KR6BT Merle WA5ACE  
Sonny  
KB6NMK Jo & Toby  
KB6YHZ Art KG6AEW Bill  
W6GNI Al & Kathy  
W6YOO Harry

# For Sale

**(3.20)** For Sale. HP 5105A Freq. Synthesizer w/5110B Driver. Output from 100 KHz to 500 MHz in 0.1 Hz steps w/manual \$395.

Richard- W6RLC 619-224-9900

**(2.11)** Tempo S-2 (220 Mhz) Handheld with SS-32 PL & DTFM built-in. With Charger. \$60.00, Galaxy Electronics PR550 Phone Patch \$20.00, 2.4 Ghz Wireless CCD color CCD camera w/5 inch LCD Color Monitor complete \$50.00, Panasonic KX-F155 combo FAX/Ans Machine \$40.00, Texas Instrument TI-2000 AT Slim Line Laptop w/3.5 disc drive 20 Mg HD w/ac adaptor (ideal for portable Packet) \$25.00, Panasonic DT-680 BI-Amp Music Center w/wireless remote control \$60.00, Panasonic (new-unopened) ST-C30 Super VHS Compact Video Tape \$2.00/ea, VHS (new - unopened) Compact Adaptors to Regular VHS, \$15.00/ea, Too Numerous List - Panasonic Electronic accessories (email your request or call) , Yaesu FT-230R Two Meter mobile transceiver w/SS32 PL, \$70.00, Dell E551C 15 inch computer monitor (new - unopened) \$60.00, Epson C60 Ink Jet Printer (new- unopened) \$60.00, Avenger 4000 commercial alarm system 2 sirens, keypad, 8 PIR's , 1 Sonic, \$100.00 OBO, Contact Dennis K7DCG, 858-748-9046 or email K7DCG@arrl.net

**(2.11)** Swan 350 with matching power supply and lollipop mike, asking \$250.00. Kenwood tm201B FM 2 mtr Transceiver, asking \$50.00., Hallicrafter ht-40 transmitter with ha-5 vfo, asking \$175.00., Yaesu ft2700rh fm dual bander, asking \$85.00., 3 window mount air conditioners in the original box, 10,000 btu, 7,800 btu and 6,000 btu, asking \$100.00 per unit., Yaesu ft-221 all band 2mtr (base) lsb, usb, cw, am and fm, asking \$175.00., alf pettersen, wb6taw, 760.941-2428, e-mail: wb6taw@sdccu.net

**(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

**(11.28)** Ameritron 8L-811H linear, like new, \$650. Cushcraft MA5B 5 band mini HF beam. Never installed, partially assembled/painted, \$250. High Sierra Se-

SIEVER 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/CONTROLL BOX \$100, PALOMAR SWR-PWR METER 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 FIBER-GLASS 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

***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**

**(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

quoia/Pro motorized vertical, 3.5-30Mhz., new condition, assembled, tested, never used. \$500W3LFR, 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 Memo-rex, 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

**(11.16)** CUBIC ASTRO 150A TRAN-

## Help Wanted

This is Jo Ashley's last year as Treasurer of the Palomar Amateur Radio Club. If you are looking for a way that you can help support your club and become more involved in PARC,,,,,, why not run for treasurer next year. According to Jo, it is the easiest job on the board. You can contact Jo directly she'll be glad to tell you what is involved.

Jo, KB6NMK, (760) 741-2560,  
kb6nmk@amsat.org

## Web Pages

### PARC's Home Page -

<http://www.palomararc.org>

### Rod's - AC6V

<http://www.ac6v.com>

### ARES Alert Publication

<http://sanarrrl.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)

### Treasurer \$\$\$

Jo Ashley KB6NMK@amsat.org

February 28, 2005

Checking	\$1,752.66
CD	\$2,722.92
CD	\$3,440.08
CD	\$2,877.56
CD	\$2,877.62
Post Office	\$98.37
Total	\$13,769.21
Pre-paid Dues	\$7,269.00
Property Ins.	\$2,400.00
Total	\$9,669.00
Equity	\$4,100.21
Total Liabilities & Equity	\$13,769.21

## 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/wfeidt/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>

### W6VR

### 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>

Rod, AC6V

## PARC Testing

Carlsbad - 2nd. Saturday at 9:30 am in the Carlsbad Safety center.

Contact Jim Carmichael

N6FU

760 751 2515

[n6fu@amsat.org](mailto:n6fu@amsat.org)

## 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](mailto: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.

## IMPROVEMENTS IN FALLBROOK

The Fallbrook Amateur Radio Club operates two open repeaters that cover tough spots for PARC to reach, including coverage into the Temecula Valley. FARC's frequencies are 146.175(+) and 445.600(-) MHz, both with 107.2 Hz PLs, and visitors are always welcome. If you come in on one machine, your audio will go out on both - but if you use 146.175 much south of Escondido or along the coast, beware of bringing up a co-channel non-PLed machine in Whittier.

Two pages of photos covering FARC's move to the CDF site on Red Mountain (at the NE corner of Fallbrook) are ready and available for viewing at <http://fallbrookarc.org/repcdf1.html>. This is quite a repeater site. Enjoy!

## PARC Hiker's Net News

By Bernie – N6FN

### Canyoneer Nature Hikes

One of our long-term hiker net hams, Paula KF6KBZ also happens to be a volunteer trip leader for the San Diego Museum of Natural History's Canyoneer program. Volunteers go through extensive training on the flora, fauna and geology of the San Diego area, in addition to required training for leading day hikes intended for the general public.

It was in her duties as a Canyoneer trip leader that Paula came to recognize the benefits of ham radio as an additional piece of safety equipment. Realizing the extra measure of safety this would provide people entrusted in her care, she obtained an amateur radio license. Now in addition to her Canyoneer trip leader duties, she is also one of our rotating Hiker Net control operators.

Canyoneer Hikes are scheduled just about every week-end throughout the year. These hikes are interpretive walks, not endurance hikes; trip leaders adjust to the desires and abilities of all participants.

Trips to a large variety of locations all over the county are available. The task of guiding the trips is divided up among a number of Canyoneer volunteers. These walks are free, open to the public and are a great way to tour the out-of-the-way gems of San Diego County. No reservations are required. For further information visit: <http://www.sdnhm.org/canyoneers/index.html>

### Kayaking the Green River

Hiker Net hams are getting ready to spend six days kayaking the Green River in Utah. Centered in Utah's renowned Canyonlands National Park, the group will be paddling from Mineral Bottom past the Confluence with the Colorado River to Spanish Bottom, a distance of 56 miles.

Scheduled for May 17, the trip will start in Moab where an outfitter will load our equipment and transport us approximately 25 miles over dirt roads followed by a hair raising ride down a narrow cliff side to the launch point. From there we will be on our own, paddling the Green River for six days, visiting old Indian Anazazi ruins and petroglyph sites amid the natural wonders of Canyonlands National Park.

On our take out day, the 22<sup>nd</sup> of May, the outfitter will use a jet boat to retrieve us from Spanish Bottom on the Colorado River, four miles below the Confluence. From there the jet boat will take us 67 miles up the Colorado River back to Moab. In all, we will travel 123 river miles through the heart of Canyonlands.

At the moment we have six confirmed participants, all hams except one. There is room for more; canoes and kayaks can be rented from the outfitter. The trip is all

flat water with no great paddling expertise being required.

Contact me at [berniel@niftyaccessories.com](mailto:berniel@niftyaccessories.com) if you would like to consider going along. The following web pages provide pictures and additional information:

<http://www.texsriverways.com/>

[http://www.tagalong.com/trips/selfguided\\_trips/jc0.html](http://www.tagalong.com/trips/selfguided_trips/jc0.html)

<http://www.desertpaddlers.com/greenriver2003-1.htm>

Hiker Net hams get together every Friday evening at 9 pm on the 146.730 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.

---

## PARC HAM BAND FORMING

PARC is proud to announce the formation of the PARC Ham Band an aggregation of our best musicians who will perform at the annual picnic in August. Come hear the CQ Boogie, Pileup in E Minor, QSL Via The Burro, and a medley of Q-signals. The feature performance will be the opening bars of Beethoven's Fifth played 73 times.

A jam session will follow. Bring your instruments and join the sessions.

Interested musicians should contact Herr Ludvig Von Leiter, our guest conductor from the Berlin Sympathy Orchestra.

[Lieter@spectrum.com](mailto:Lieter@spectrum.com)

Or

[Lieter@palomararc.org](mailto:Lieter@palomararc.org)

---

(*Silent Keys Continued from page 1*)

Chuck Wood, a fellow enthusiast. "She's the one people in our hobby would

go to for advice."

By 1970, when she settled in San Diego, Mrs. Allbright had 22 years of experience as a licensed ham radio operator in a male-dominated field.

Setting up a radio shop in their Serra Mesa home, she and husband, London Allbright, provided visitors who shared their passion access to the latest equipment. To encourage participants, she founded the San Diego Amateur Radio Council and edited its newsletter, *Squelch Tales*. To demonstrate the value of her hobby as a public service, she volunteered for animal rescue efforts and other emergencies.

"We all looked up to Sybil as an example," Wood said. Mrs. Allbright, who had suffered a series of strokes, died in her sleep Feb. 7 at her home. She was 84.

During the 1970s, Mrs. Allbright applied much of the technological savvy she acquired in amateur radio to the emerging field of personal computing. She bought her first home computer in 1976 and, for several years, edited *Personal Systems*, a newsletter for the San Diego Computer Society.

"She must have had every software program known to man from Day One in her home," Wood said.

After launching the San Diego Amateur Radio Council, known as SANDARC, Mrs. Allbright organized a series of conventions to bring together members of the American Radio Relay League.

"We had forums on amateur radio topics, including emergency preparedness," said Tuck Miller, former vice director of the ARRL's Southwestern Division. "Many people think it's just a hobby, but at the same time we make ourselves available for public service activities.

"Even if Sybil couldn't be actively involved, she owned repeaters on various mountain tops, including one in Otay, that enabled radio operators to transmit signals in emergencies."

Mrs. Allbright continued her involvement in amateur radio after her husband's death in 1992. She was a long-time member of the San Diego Repeater Association and was active in the El Cajon and Palomar radio clubs and the Two Meter Area Spectrum Management Association, which coordinates repeater frequencies.

Over the years, she saw memberships in such organizations drop as a new generation of cell-phone-toting, e-mail-savvy youths opted for quicker and simpler communications alternatives.

"The younger folks want instant gratification," Miller said. "Radio is more like fishing. You throw out a call sign and don't know what you're going to catch – maybe it will be somebody in Russia, Australia or whatever. To me, that's the fun of it."

Mrs. Allbright was born Sybil VonRosenburg in Lubbock, Texas.

Her first husband was killed at Guadalcanal during World War II when she was carrying her first child.

A friend introduced her to an overseas pen pal, London Allbright, in the Army Air Forces. They corresponded for

11 months and exchanged photographs.

They met face to face for the first time after the war and married in December 1946 in Los Angeles.

As the future Air Force major's wife, Mrs. Allbright moved 22 times until the couple settled in San Diego upon his retirement.

In 1951, while living in San Francisco, Mrs. Allbright sang with the Berkeley Anns, a group that advanced to the national finals of the Sweet Adelines International competition, said Lisa Storey, a granddaughter Mrs. Allbright helped raise.

With the encouragement of her husband, a command pilot and communications officer, Mrs. Allbright was licensed in ham radio in 1948.

She pursued her hobby during a 32-year teaching career at the elementary school level that began in 1954 in Alaska.

When she moved with her husband to Japan, she earned a superior performance award for teaching military dependents, Storey said.

Mrs. Allbright, a graduate of University of California Los Angeles, taught for 16 years in the San Diego Unified School District. She earned a master's degree in 1982 at San Diego State University and completed all but two classes toward a doctorate of education at the University of Southern California.

"Those two classes would have cost \$10,000 at USC," Storey said. "She decided that it wasn't worth it because she was so close to retirement."

During her teaching career, Mrs. Allbright brought computers and ham radios into her classrooms at Miramar Ranch Elementary in Scripps Ranch, where she taught sixth-graders in a gifted program before retiring in 1986. She brought her organizational skills to the Serra Mesa Community Council, serving as its secretary.

Mrs. Allbright was preceded in death by her daughter, Carol Ann McKinney, in 1996.

Survivors include a son, Norman Allbright of San Diego; and two grandchildren.

Services were Monday at Fort Rosecrans National Cemetery. Donations are suggested to the San Diego Humane Society.

Also, our prayers and thoughts go out to those who knew **Ralph, K6HAV.**

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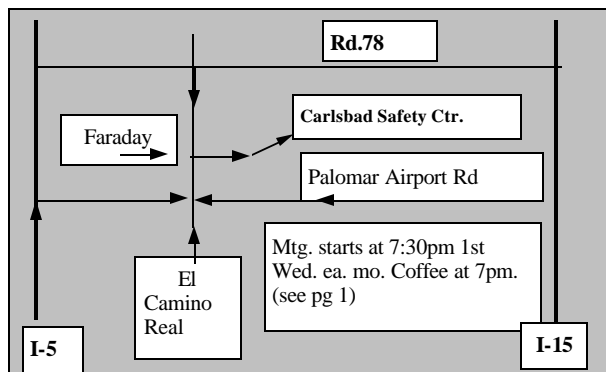
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## ***Palomar Amateur Radio Club Inc.***

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





# Palomar Amateur Radio Club

Volume XXXII No. V

May 2005

## May Meeting

### APRS

## Considerations for Search and Rescue

May 4th

7:30pm

Carlsbad Safety Center

### Inside this issue:

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## President's Message

If you have not noticed yet, many of this year's programs are geared towards Public Service and Disaster Response.

The May Program, "APRS: Considerations for Search and Rescue", is such a program, and features Jeff Lehman, KD6DHB. Jeff volunteers with the San Bernardino County Sheriff Cave Rescue Team, and came up with a method to keep track of his team members in the field. His solution was published in both the September and October 2003 QST Magazines.

This is our second program related to CFR 47, Part 97.1, which reads:

"97.1 Basis and purpose.

The rules and regulations in this Part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

- (a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.
- (b) ....

Looking down the road:

The June program will be Contesting 101, in preparation for Field Day.

The July program will be the provided by Amateur Radio Emergency Services. August will be T-Hunting. All of these programs support Emergency Communications.

Field Day is coming!!! For some, Field Day has become "just another contest".

To me, it is still the "Preparedness Event" that it started as, and should be. It is an opportunity to see



how others overcome the obstacles found while operating in the "field", away from your personal ham shack.

This is an opportunity to get your friends and neighbors on the air. There will be a GOTA station for them.

It is also an opportunity to practice your emergency communications skills and check your equipment.

PARC has a long tradition of participating and doing "well" in Field Day. We shall continue that tradition this year, and well into the future. I encour-

(Continued on page 4)

## PARC Work Parties

### Repeater Site Maintenance

**When:** Each Saturday following the general club meeting from 10:00 until 12:00 noon.

**Where:** Meet at Mother's Kitchen restaurant. Bring water, sunscreen, bug spray, and whatever else you think you will need. There is no running water or toilet facility at the repeater site.

**How:** Work may include raking, shoveling, organizing, trouble-shooting, planning,

pounding nails, hauling stuff away, thinking, pondering, talking, lifting, pushing, pulling, and other organized chaos. Work may be inside one of the buildings or outside on the site, but generally work parties will concentrate on one or the other as to not get in each other's way.

**Why:** Volunteering for a work party is worth two participation points to the club. Volunteering your time to help maintain the repeater site is greatly

appreciated as it makes a huge difference to the vitality and effectiveness of our local amateur radio community.

Contact

**Michelle**  
w5nyv@amsat.org  
for more information.

## Mobile Radio Installation

### Ford, GM, and Chrysler Mo- bile Radio Installation

At URL:  
[http://ac6v.com/opmodes.  
htm#MO](http://ac6v.com/opmodes.htm#MO)

Courtesy of N6KI and AC6V

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

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

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**VP: Dennis Baca** **KD6TUJ**  
760.722.0251 KD6TUJ@amsat.org  
**Sec: Paul Williamson** **KB5MU**  
**Treas: Jo Ashley** **KB6NMK**  
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**Dir#1: Tom Martin** **KG6RCW**  
**Dir#2: Mark Raptis** **KF6WTN**  
**Repeater Site:** **W5NYV**  
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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

May 1 AGCW QRP Party  
May 7 MARAC County Hunters  
May 7 Nevada QSO Party  
May 7 10-10 Int'l Spring Contest, CW  
May 7 OR, IN QSO Parties  
May 7 New England QSO Party  
May 14 Armed Forces Day Crossband Test  
May 14 FISTS Spring Sprint  
May 14 FOLTA RTTY Contest  
May 14 CQ-M Int'l DX Contest  
May 14 Mid-Atlantic QSO Party  
May 21 King of Spain Contest  
May 21 Portugal Navy Day Contest  
May 21 EU PSK DX Contest  
May 28 CQ WW WPX Contest, CW  
May 29 MI Memorial Day Sprint, CW QRP  
Jun 4 IARU Region 1 Field Day, CW  
Jun 4 RSGB National Field Day  
Jun 4 WR Friends Day QSO Party  
CW, SSB, RTTY – What more could you  
ask?  
**Also a couple state and region QSO  
parties to  
satisfy the WAS chasers. The WPX con-  
test is a  
great way to increase you DXCC totals  
on CW.  
complete rules may be found in QST,  
CQ, NCJ  
and Worldradio magazines.  
CU in the Contest de Harry,  
W6YOO**

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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

ARES Info

ARES Net

Attendance

ATV

Auction

Badges New

Batteries

BBS Monitor

Billing:Ads/etc

Contest Info

Control Ops

Del Mar Fair

Emergency Com Centers

Harry

Dennis V

Field Day

Field Day Tech

Inventory

New Members

Nets

Newsletter

Patch Info

Patch Etronics

Picnic

Power AC/DC

Programs

Publicity

QSL Cards

RACES Info

RED Flag

Repeater Site

SANDARC

Seller Table

Asst.SW Div Dir TBD

Tech Site

Testing VE

Training

Trustee W6NWG

Web

Tony

Dennis S

Al

Art

Tom M

Al

David

Bill B

Lyell

Dennis V

filled

W6YOO

N6KI

TBD

John K

Dennis B

John E

Michelle

Stan R

Jerry H

Mark R

Mike P

Dennis B

Jo A

Steve

Michelle T

Jin /Steve

John K

Mike D

Jim C

Mike D

Paul W

KC6YSP

K7DCG@amsat.org

W6GNI@amsat.org

KC6UQH@amsat.org

KG6RGW@amsat.org

W6GNI@amsat.org

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caltech.edu

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W6NWG@amsat.org

W6YOO@amsat.org

N6KI@amsat.org

WB6IQS@amsat.org

KD6TUJ@amsat.org

KG6EQU@amsat.org

Board Function

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W9FQN@amsat.org

WB6FMT@amsat.org

KF6WTN@amsat.org

K6MRP@amsat.org

KD6TUJ@amsat.org

Need Replacement for Merle KR6BT

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AD6VI@amsat.org

W5NYV@amsat.org

NE6O/AD6VI

WB6IQS@amsat.org

AB6QT@amsat.org

Jim\_carmichael@cymar.net

W6NWG@amsat.org

AB6QT@amsat.org

www.Palomararc.org

## 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	Glenn Jones	KG6JDF@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
Red Cross Net	Ted	tthompson@sdarc.org

## ARES Public Service Events for 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

(President's Message Continued from page 1)

age you to visit our Field Day Site. Bring a friend

Now it is time, again, to ask our members of PARC to help their communities and the club. We are looking for volunteers to support several committees.

The first need is for a "**New Members Chairperson**". Our current Chair has a full schedule and is looking to groom/mentor his replacement. This position is traditionally (and deliberately) given to a relatively new HAM. This person has the ear of the PARC Board of Directors, to keep us in touch with the needs of the next generation of HAMs. The duties include seeking out and getting to know the newest members of the club and attending the Board Meetings. The second need is for volunteers to staff the membership committee. Like all Amateur Radio Clubs and Associations, we need to both attract new members and retain existing ones. This will be an opportunity to meet other HAMs in your community and to help the club grow.

After these needs, we have need for volunteers for things, such as repeater site maintenance, special events, Amateur Education, Community Liaison, License Classes, etc. Please consider giving your time to help the club, the Amateur Community and the Disaster Relief Community to grow. In-turn, these communities will better serve our communities.

See you on Wednesday, May 4<sup>th</sup>.

Steve Early  
AD6VI

## Stars in Your Eyes?

By Michelle Thompson

At first glance, Astronomy and Amateur Radio would seem to have little in common. Astronomy is the oldest science. Amateur Radio is one of the newest technical avocations.

Astronomy is fundamentally passive. Nothing that a person can do will affect the generation of astronomical events. Amateur Radio is fundamentally active. If you do nothing, you will not have any Amateur Radio events.

Astronomy is the ultimate interdisciplinary field. Usually when people talk about "interdisciplinary fields" it's in the context of pedagogy. The discussion often centers on designing interdisciplinary college course materials to unite various liberal arts with technology and communication. Astronomy is bigger than that.

Amateur Radio is often perceived as a small, niche hobby, shared primarily by elderly white male Floridians that wear hats with odd collections of letters on them and talk about antennas into their walkie-talkies.

However, both fields require understanding, knowledge, technical skill, and the ability to critically review results, opinions, theories, and claims. Both fields require problem-solving skills and both

have an enormous variety of projects to offer both groups and individuals.

Astronomy may seem to be King of the Night, while Amateur Radio activities happen during the day. In reality, both fields are a twenty-four-hour a day passion. The most important single factor in the successful reception of Amateur Radio signals is the sun, which happens to be a "hot" topic in Astronomy as well.

Astronomy bridges all cultures, all educational levels, all space, all time, and all reality. You can't ask for something bigger than astronomy because there quite simply isn't anything bigger.

Amateur Radio directly leverages the ultimate cultural "killer application" – communicating with one another. You can ask for something bigger, but you won't get it.

Aside from the actual act of observing the heavens, astronomy is rich with human drama, politics, upheaval, emotion, and art. Astronomy is directly affected by advances in science and instrumentation. It's often the very first field affected. Although those in the field are often isolated by the very work that engages them, the desire to share what is learned with other people routinely breaches any obstacle.

Whether it is the creation of song or

(Continued on page 8)

# HAM RADIO OUTLET

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

**KENWOOD**  
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**DIAMOND**  
**US TOWERS**  
**KANTRONICS**  
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**BENCHER, Inc.**  
**HUSTLER**  
**COMET**  
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**AEA,**  
**OUTBACKER**  
**Larsen Antennas**  
**TEN-TEC**  
**hy-gain, Tri-EX,**  
**cushcraft**  
**and**  
**others too**  
**numerous to**  
**mention!**

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**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.

# MAY 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4 <i>PARC Meeting</i>	5	6	7
8	9	10	11 <i>Board Meeting</i>	12	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

- May 4th—Club Meeting
- May 11th -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** 1900 147.130 Red Cross 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: **KG6TIN, KG6YQQ, AE6SV, W6XOR, KG6WLR, and KG6PDQ.**  
 Please welcome these new members, on the air, and in person.  
 We also had one "reinstatement".  
 N6SD extended for 5 years! Multiple year renewals are really appreciated, as that makes less work, less chance for my errors, and fewer trips to the bank for yours truly.

### Last Month's Fold & Staple Crew



KG6RCW	Tom
WD6FWE	Don
KF6MYE	Jerry
KQ6HE	Lief
WB6BFG	Bill
N6UWW	Ellen

Al  
W6GNI

KR6BT Merle  
 KB6YHZ Art  
 KB6NMK Jo & Toby  
 W6GNI Al & Kathy  
 W6YOO Harry

## For Sale

**(4.20)** I have a TS 940S that needs a good home. Has the CW filter and comes with a Shure 444D mic for \$500.00. Original box and manual and has been in storage for the last 11 years.

Also have a 2 meter handy talkie, IC2AT with drop in charger for \$50.00. Nice deal for someone that needs them. Paul Wood , KA5STX , 619-445-7933

**(3.20)** For Sale. HP 5105A Freq. Synthesizer w/5110B Driver. Output from 100 KHz to 500 MHz in 0.1 Hz steps w/manual \$395.  
Richard- W6RLC 619-224-9900

**(2.11)** Tempo S-2 (220 Mhz) Handheld with SS-32 PL & DTFM built-in. With Charger. \$60.00, Galaxy Electronics PR550 Phone Patch \$20.00, 2.4 Ghz Wireless CCD color CCD camera w/5 inch LCD Color Monitor complete \$50.00, Panasonic KX-F155 combo FAX/Ans Machine \$40.00, Texas Instrument TI-2000 AT Slim Line Laptop w/3.5 disc drive 20 Mg HD w/ac adaptor (ideal for portable Packet) \$25.00, Panasonic DT-680 BI-Amp Music Center w/wireless remote control \$60.00, Panasonic (new-unopened) ST-C30 Super VHS Compact Video Tape \$2.00/ea, VHS (new - unopened) Compact Adaptors to Regular VHS, \$15.00/ea, Too Numerous List - Panasonic Electronic accessories (email your request or call) , Yaesu FT-230R Two Meter mobile transceiver w/SS32 PL, \$70.00, Dell E551C 15 inch computer monitor (new - unopened) \$60.00, Epson C60 Ink Jet Printer (new- unopened) \$60.00, Avenger 4000 commercial alarm system 2 sirens, keypad, 8 PIR's , 1 Sonic, \$100.00 OBO, Contact Dennis K7DCG, 858-748-9046 or email K7DCG@arrl.net

**(2.11)** Swan 350 with matching power supply and lollipop mike, asking \$250.00. Kenwood tm201B FM 2 mtr Transceiver, asking \$50.00., Hallicrafter ht-40 transmitter with ha-5 vfo, asking \$175.00., Yaesu ft2700rh fm dual bander, asking \$85.00., 3 window mount air conditioners in the

original box, 10,000 btu, 7,800 btu and 6,000 btu, asking \$100.00 per unit., Yaesu ft-221 all band 2mtr (base) lsb, usb, cw, am and fm, asking \$175.00., alf pettersen, wb6taw, 760.941-2428, e-mail: wb6taw@sdccu.net

**(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

***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**

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

**(11.28)** Ameritron 8L-811H linear, like new, \$650. Cushcraft MA5B 5 band mini HF beam. Never installed, partially assembled/painted, \$250. High Sierra Sequoia/Pro motorized vertical, 3.5-30Mhz., new condition, assembled, tested, never used. \$500W3LFR, 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

**(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 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

**(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

## Help Wanted

This is Jo Ashley's last year as Treasurer of the Palomar Amateur Radio Club. If you are looking for a way that you can help support your club and become more involved in PARC,,,,,, why not run for treasurer next year. According to Jo, it is the easiest job on the board. You can contact Jo directly she'll be glad to tell you what is involved.

Jo, KB6NMK, (760) 741-2560,  
kb6nmk@amsat.org

## Web Pages

### PARC's Home Page -

<http://www.palomararc.org>

### Rod's - AC6V

<http://www.ac6v.com>

### ARES Alert Publication

<http://sanarrrl.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)

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

**Jo Ashley KB6NMK@amsat.org**  
**February 28, 2005**

Checking	\$1,752.66
CD	\$2,722.92
CD	\$3,440.08
CD	\$2,877.56
CD	\$2,877.62
Post Office	\$98.37
Total	\$13,769.21
Pre-paid Dues	\$7,269.00
Property Ins.	\$2,400.00
Total	\$9,669.00
Equity	\$4,100.21
Total Liabilities & Equity	\$13,769.21

## 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/wfeidt/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>

### W6VR

### 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>

**Rod, AC6V**

## PARC Testing

Carlsbad - 2nd. Saturday at 9:30 am in the Carlsbad Safety center.

### Contact - Assi Friedman KK6KX

858 792 3427

Call during work, ask for by name.

**kk6kx@amsat.org**

## 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**

## 10 Meter Net

Monday - Friday

8:00 pm Local time

**28.340**

WA9MTP Dennie in Vista is net control.

## IMPROVEMENTS IN FALLBROOK

The Fallbrook Amateur Radio Club operates two open repeaters that cover tough spots for PARC to reach, including coverage into the Temecula Valley. FARC's frequencies are 146.175(+) and 445.600(-) MHz, both with 107.2 Hz PLs, and visitors are always welcome. If you come in on one machine, your audio will go out on both - but if you use 146.175 much south of Escondido or along the coast, beware of bringing up a co-channel non-PLed machine in Whittier.

Two pages of photos covering FARC's move to the CDF site on Red Mountain (at the NE corner of Fallbrook) are ready and available for viewing at <http://fallbrookarc.org/repcdf1.html>. This is quite a repeater site. Enjoy!

## City of San Diego Fire-Rescue

Department seeks Ham Radio Operators to Support their Emergency Operations Center (EOC), Departmental Operations Center (DOC) and field specialty teams

The San Diego City Fire Department is seeking Amateur Radio operators to staff their EOC/DOC and to support field specialty teams responding to San Diego disasters. The mission will be to support the fire department by taking non-emergency radio traffic off the public safety radio bands and offer greater real-time feedback from the field to the City and County during an emergency.

The goal is to establish a City Fire department Ham network communicating the City and County EOC's and emergency responders in the field, increasing regional resources and communication in disasters. The City of San Diego seeks to establish a Ham operator team with a crew at the downtown EOC and ham field crews imbedded with first responders and Community Emergency Response Teams (CERTs).

The San Diego Fire-Rescue department has been training and developing CERT teams in communities throughout San Diego County to national FEMA standards. CERT civilian/fire rescue teams act quickly on the ground to initiate evacuations, triage, search and rescue, basic fire suppression and other vital roles as part of the City's ICS (Incident Command System) in a significant event. The emergency field crews and imbedded ham operators will be incorporated into the Fire department's emergency response plans and EOC operations to increase communication regionally to all jurisdictions.

CERT teams respond locally to disasters, under direction of the Fire-Rescue department and augment existing City first responder teams. CERT volunteers survey neighborhoods and perform basic emergency response procedures, reporting to the fire department IC (Incident Commander). With a shortage of emergency responders county-wide, these community crews speed up the response time, mitigate smaller problem areas and allow authorities to focus on broader issues. CERT crews are trained to ensure community safety and survival in the event of a large scale disaster, when emergency crews are overwhelmed and neighborhoods are on their own for days and weeks.

The development of trained CERT volunteer emergency response teams and increased county-wide com-

munication is a result of regional priorities by the San Diego Regional Fire Prevention and Emergency Preparedness Task Force, led by Sheriff Bill Kolendar and San Diego Fire Chief Jeff Bowman. Developed in response to the Cedar fires and future disasters, these new initiatives empower the public and volunteers to take a role and responsibility for disaster preparedness and response, increase and standardize communications between all jurisdictions and fosters sharing of disaster resources.

Amateur radio is more important now than ever due to the world situation. Take advantage of this unique opportunity to give back to your community by supporting the San Diego Fire department, the City and County by donating some of your time and skills as a volunteer radio operator.

If you have an interest in helping contact:  
Barbara Ayers, San Diego Fire-Rescue department  
(619) 533-3075 or Email [cert@sandiego.gov](mailto:cert@sandiego.gov)  
Website: [www.certsandiego.com](http://www.certsandiego.com)

*(Stars Continued from page 4)*

picture, enacting of a policy or the

finding of a novel discovery, it doesn't matter – it must get out, it must be expressed. This is exactly the same in Amateur Radio.

The natural outcome of mutual interests can be seen primarily in the field of Radio Astronomy. This new field of scientific inquiry explores celestial phenomena through the examination of radio waves instead of visible light or other wavelengths. Significant contributions to science from radio astronomy include the initial discovery of cosmic microwave background radiation, detection of the center of the Milky Way Galaxy, the technology of interferometry, prediction and discovery of Hydrogen's chemical signature line, and many others.

Both fields suffer from serious and current threats. Broadband over Power Lines (BPL) and other spectral pollution, overly restrictive laws on putting up antennas, and the continual hunger for bandwidth from commercial interests are all challenges to the survival of Amateur Radio. Light pollution and lack of funding greatly diminish the capacity and capability of both professional and amateur astronomy at all levels.

Astronomy and Amateur Radio are extremely complimentary fields that offer challenge, benefit, and reward to those that have the time and inclination to investigate what the other has to offer. Clear skies and 73s!



## PARC Hiker's Net News

By Bernie – N6FN

### Cuyamaca Middle Peak Revisited

Starting from the south end of Cuyamaca Lake the morning of April 9<sup>th</sup>, a PARC hiking group consisting of Ed-KF6DXX, Paul-NN6X and Stan-W9FQN were pleasantly invigorated by a slight wind and a crisp 45°F temperature.

Ed's planned hike to Middle Peak would be his first since the fires that had devastated much of San Diego and Cuyamaca Rancho State Park. As expected there were charred trees everywhere, but an unexpected benefit were magnificent views, which had previously been blocked by dense vegetation. Some blackened trees showed signs of green near the tops but most were dead.

As the hike progressed to higher elevation, Paul's thermometer indicated that the temperature had dropped to 31°F. Much to everyone's delight, as they approached the high point of the trail they were rewarded by the unusual sight of charred tree branches covered with tiny icicles pointing horizontally in the direction of the wind. Apparently below freezing temperatures during the night, combined with the wind and either a light drizzle or fog had grown millions of spectacular ½ inch glittering icicles. In places icicles were so close together it resembled a layer of white frosting plastered onto the sides of the trees.

With sunlight warming the trees, steam begin to form and icicles begin floating down like bits of snow. Before long these small bits of ice were pattering down thick and fast, bouncing off shirts and hats. And when the fog and clouds starting rolling in the area took on a mystical aura. This turned out to be a magic day for a hike, everyone felt very fortunate for having been there to experience it.

(Trip description was derived from reports posted by KF6DXX and W9FQN on the Hiker's Net Reflector.)

### Kayaking Lake Hodges

Due to this season's unprecedented rains, for the first time in seven years Lake Hodges has been filled to the point of overflowing the dam's spillway. The forest of trees that has grown in the vicinity of the I15 Bridge is now completely inundated with water and resembles more of a jungle or swamp than a lake.

Early in April, Stan-W9FQN, his friend Jeff, a young serviceman just home from serving at the Guantanamo detention center, and Bernie-N6FN spent the morning exploring the western reaches of Lake Hodges via kayaks.

Launching our boats from the grassy area across the street the concessionaire's store we paddled east following the south shore towards I15. Eventually we wound our way through a forest of trees in a small bay to a de-

lightful waterfall. In the same area as the Piedras Pintadas--rock paintings made by the Kumeyaay Indians about 500 years ago--the thin ribbon of water cascading over the rocks is in a secluded cove completely surrounded by trees.

Leaving the waterfall we continued to wind our way east in-and-out of the trees and up the creek which drains, into Bernardo Bay. We were able to negotiate the creek, now full of water and more resembling a river, as far as the Piedra Pintadas Interpretive Trail footbridge. With a canopy of overhanging trees, this is an especially scenic area, somewhat resembling traveling along a river through a jungle.

From there we paddled back to the main arm of the lake and under the I15 bridge. East of the bridge the willow tree forest is very thick and we were unable to penetrate up the San Pascual Valley more than about a ¼ mile. We had a blast, twisting our kayaks through the masses of trees, searching for a way through.

Kayaking Hodges is a lot of fun and kayaks can be rented from the concessionaire store near the boat launch area.

Hiker Net hams get together every Friday evening at 9 pm on the 146.730 repeater 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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P.O.Box 73, Vista, CA 92085-0073

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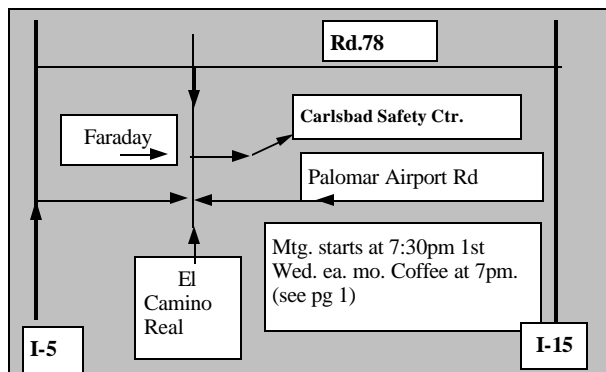
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## ***Palomar Amateur Radio Club Inc.***

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**Editor: Michelle Poirier W6MYP, 2969 Valley Street, Carlsbad, CA 92008**  
Scope address for newsletter submissions: **scope@palomararc.org**

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



# Palomar Amateur Radio Club

Volume XXXII No. VI

JUNE 2005

## June Meeting Contesting 101

**Wednesday June 1st**  
**7:30pm**  
**Carlsbad Safety**  
**Center**

### Inside this issue:

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## President's Message

At the May meeting, we were given a good presentation on APRS applications to Search And Rescue, as presented by Jeff Lehman, KD6DHB, of the San Bernardino County Sheriff's Cave Rescue Team.

In keeping with the Public Service and Disaster Communications Theme, the June Program is titled: Contesting 101.

One might ask...what has "Contesting" got to do with Public Service and Disaster Communication????

The answer is simple: Training, Training, Training...and Technique, Technique, Technique...

When I first earned my license, I perceived contesting as less than useful for emergency communications. Boy was I wrong!!! Over the years, I have come to appreciate and respect the ability of testers to pull that elusive

message out of the mud, when I could not. My hat is of to those seasoned veterans that have quietly and persistently shown me, a rookie, practical value in contesting, for emergency communicators. With Field Day fast approaching, it made sense to offer a program that would help us be better contesting operators and to improve our skills for public service at the same time.

Dennis Vernacchia, N6KI, and Paul Dorey, WN6K, have stepped up to the plate to provide us with this program. I am looking forward to their presentation.

Looking down the road: Filed day is fast approaching. Set-up starts at approximately 4:00 PM on Friday, June 24th. Official Operations start at 11:00 AM on Saturday, June 25th, and



continue through 11:00 AM on Sunday, June 26th. This is an opportunity for all to come out and get on HF. There will be a Get On The Air (GOTA) station for non-ham and those without HF privileges. There are opportunities for all.

PARC Field day will be co-chaired this year, by Michelle Thompson, W5NYV, and myself. PARC is looking to start the Field-Day Net in the next week. Schedule is currently pending availability of Michelle, or myself, but is tenta

(Continued on page 4)

## Help Wanted: Amateur Radio Operators wanted for Public Service.

We all earned our HAM license for different reasons. Some of us because we wanted to explore the world without leaving home, others because our professional lives had already given us tools that made HAM Radio a natural fit.

In this commercial world, where bandwidth is auctioned off and local governments don't like antennas, we all owe a debt of gratitude to this vast land for the opportunities to experiment, contest, et cetera for free. One way we can re-

pay that debt is through Public Service.

Once upon a time, I installed all manner of radio equipment for a living. I thought about an amateur radio license for years, until I was recruited by a friend, Sam McDonald, K6USE, to help him with emergency communications. I have been actively involved ever since. I currently belong to several different organizations, and have a direct hand in helping others earn their Technician Licenses. I have heard one com-

mon theme at each of these organizations: "There are not enough active Communications Volunteers!" We can fix that! We can justify our existence to both the FCC and to City Hall at the same time!

It is time for us to earn our right to keep Amateur Bandwidth. There are companies that want our bandwidth. We must justify our keeping it.

(Continued on page 7)

## June 4th Work Party

We will focus on leveling the storage container site. Bring a shovel and gloves. **Optional - meet at 9am Mother's Kitchen for breakfast and socializing\***

**What:** Repeater Site Maintenance

**When:** Each Saturday following the general club meeting from 10:00 am until 12:00 noon.

**Where:** Meet at Mother's Kitchen restaurant. Bring water, sunscreen, bug spray, and whatever else you think you will need. There is no running water or toilet facility at the repeater site.

**How:** Work may include raking, shoveling, organizing, trouble-shooting, planning, pounding nails, hauling stuff away, thinking, pondering, talking, lifting, pushing, pulling, and other organized chaos. Work may be inside one of the buildings or outside on the site, but generally work parties will concentrate on one or the other as to not get in each others way.

**Why:** Volunteering for a work party is worth two participation points to the club. Volunteering your time to help maintain the repeater site is greatly appreciated as it makes a huge difference to the vitality and effectiveness of our local amateur radio community.

## 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 Radiomagazines.

## 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

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KG6RCW

**Dir#2:** Mark Raptis  
KF6WTN

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KG6EQU@amsat.org

**Repeater Technical:**

Mike Doyle

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AB6QT

AB6QT@amsat.org

## Contest Coral

**Jun 4 VK 80 Mtr Contest, CW**

**Jun 4 IARU Region 1 Field Day**

**Jun 4 RSGB National Field Day**

**Jun 4 QRP TAC Sprint**

**Jun 4 WorldRadio QSO Party**

**Jun 11 ANARTS WW RTTY Contest**

**Jun 11 Portugal Day Contest**

**Jun 11 Asia-Pacific Sprint**

**Jun 11 ARRL June VHF QSO Party**

**Jun 18 All Asian DX Contest, CW**

**Jun 18 SMIRK Contest**

**Jun 18 West Virginia QSO Party**

**Jun 18 Quebec QSO Party**

**Jun 18 Kids Day Contest**

**Jun 25 Marconi Memorial HF Contest**

**Jun 25 ARRL Field Day**

**Jun 25 King of Spain Contest, SSB**

**Jul 1 RAC Canada Day Contest**

**Jul 2 Venezuelan Ind. Day Contest**

**Jul 2 Original QRP Contest**

Quite an assortment of contests here. A QSO

party or two, especially WV which is always difficult to get in the log. RTTY? Yep, got some

of that as well as CW and SSB. Don't forget ARRL Field Day, that's a biggie! Complete rules

can be found in QST, CQ, NCJ, and Worldradio

magazines. CU in the contest.

73, Harry, W6YOO

## RF PARTS Company

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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

ARES Info

ARES Net

Attendance

ATV

Auction

Badges New

Batteries

BBS Monitor

Billing:Ads/etc

Contest Info

Control Ops

Del Mar Fair

Emergency Com Centers

Harry

Dennis V

Field Day

Field Day Tech

Inventory

New Members

Nets

Newsletter

Patch Info

Patch Etronics

Picnic

Power AC/DC

Programs

Publicity

QSL Cards

RACES Info

RED Flag

Repeater Site

SANDARC

Seller Table

Asst.SW Div Dir TBD

Tech Site

Testing VE

Training

Trustee W6NWG

Web

Tony

Dennis S

Al

Art

Tom M

Al

David

Bill B

Lyell

Dennis V

filled

W6YOO

N6KI

TBD

John K

Dennis B

John E

Michelle

Stan R

Jerry H

Mark R

Mike P

Dennis B

Jo A

Steve

Michelle T

Jin /Steve

John K

Mike D

Jim C

Mike D

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NE6O/AD6VI

WB6IQS@amsat.org

AB6QT@amsat.org

Jim\_carmichael@cymar.net

W6NWG@amsat.org

AB6QT@amsat.org

www.Palomararc.org

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Rod

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Traffic SDCTN

Charles N6TEP

cmiele@juno.com

Red Cross Net

Ted

tthompson@sdarc.org

## ARES Public Service Events for 2005

I Love a Clean San Diego

Special Olympics Basketball

Sat, 9 Apr 2005

Sat, 16 Apr 2005 and

Sun 17 Apr 2005

Lost Boys Trail Run

Special Olympics Greater Games

Sat, 14 May 2005

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

(President's Message Continued from page 1)

tively Wednesday Nights, 8-9PM.

At this writing, we have one BIG challenge ahead of us for Field Day. With the expectation is that this challenge will be resolved before you read this, our Field Day location is moving due to schedule conflicts with the Carlsbad Safety Center site. We will announce the new location as soon as one is secured.

Other than that, everything is in good shape. Equipment is being inspected with good preliminary reports. Station Teams are forming and the Road-Kill Cafe is ready for business.

Looking a little further down the road: The July Program will be provided by Jerry Kostro, AK6QJ, of the ARRL San Diego Section Amateur Radio Emergency Services (ARES).

I hope to see you all on Wednesday, June 1st, at the Carlsbad Safety Center, at 7:30 PM for Contesting 101.

Steve Early  
AD6VI

## "Ifn u cn rd ths, u mite be a ham"

By Michelle Thompson W5NYV

Which do you think is faster at transmitting a message? Morse code? Or text messaging on a cellular phone? There have been several interesting match races appearing in the media over the last few weeks, with CW winning handily over the hip-and-happening text messaging crowd. A mid-April 2005 battle sponsored by Powerhouse Museum in Sydney, Australia pitted 93-year-old telegraph operator Gordon Hill won against 13-year-old text messenger Brittany Devlin. Gordon Hill won in all four heats. Furthermore, Gordon sent the full text of the competition message, while Brittany was allowed to use abbreviations.

Abbreviations are common in traditional telegraphy and in amateur radio CW. Most everyone is familiar with the Q codes (e.g. QST, QRZ, QTH) and some are familiar with the telegraphy abbreviations (abt=about, agn=again, ant=antenna) but text messaging compresses any word that can be compressed. Some of the abbreviations are reinventions of the telegraphy shorthand. Other common text messaging abbreviations seek to eliminate the letters that are on the same number key, in order to take advantage of the automatic next-letter jump when going from one key to another in text mode. Other abbreviations eliminate

unpronounced letters. Some examples of common text message abbreviations are ur=your, ty=thank you, and pls=please. See [http://www.webopedia.com/quick\\_ref/textmessageabbreviations.asp](http://www.webopedia.com/quick_ref/textmessageabbreviations.asp) for an entertaining list of many additional text messaging abbreviations.

Perhaps the most widely seen contest between text messaging and Morse code was the recent segment on The Tonight Show with Jay Leno. To see the segment, follow this link. [http://www.kkn.net/~n6tv/Text\\_vs\\_Morse\\_Leno\\_2005\\_05\\_13.wmv](http://www.kkn.net/~n6tv/Text_vs_Morse_Leno_2005_05_13.wmv)

The show ran on the 13th of May, 2005. The Morse code team was Chip Margelli, K7JA and Ken Miller, K6CTW, dressed in traditional telegraphy garb. They sure looked spiffy in their green shades, white shirts, black slacks, and old-school arm-bands. The costumes, Ken Miller says, were the producers idea, but both Chip and Ken had fun wearing them.

Ben Cook and his friend Jason were the text messaging team. They were hip and cool in their jeans and T-Shirts. Ben had established his reputation as fastest text messenger at some time previous to the contest by typing 160 characters in 57 seconds. In English, five characters per word is the standard used

(Continued on page 8)

# HAM RADIO OUTLET

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

**KENWOOD**  
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**cushcraft**  
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**others too**  
**numerous to**  
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**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.

# JUNE 2005

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

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

- June 1—Club Meeting
- June 8 -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** 1900 147.130 Red Cross 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



### May Meeting Goodie Givers

KG6RCW Tom  
K3PXX Terry

### Club Membership

New Members Joining PARC: **KG6YZE, Sam Runyon (no call yet)**. We had 3 "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

### Last Month's Fold & Staple Crew



KR6BT Merle  
Sonny  
KB6NMK Jo  
KB6YHZ Art  
W6GNI Al  
W6YOO Harry

WA5ACE  
Toby  
KG6AEW Bill  
Kathy

# For Sale

**(5.20)** For sale: Palomar Engineers LA-1 Loop Amplifier with Omega (10khz-40khz), LF (150khz-500khz), and BCB (500khz-1600khz) loops. \$200.00. (Other loops are available from Palomar Engineers) Bob, KY6P, 619-318-2217.

**(5.20)** Tempo S-2 (220 Mhz) Handheld with SS-32 PL & DTMF built in. With Charger \$50.00. Galaxy Electronics PR550 Phone Patch \$20.00. Panasonic KX-F155 Combo FAX/ Answering Machine \$30.00. Texas Instrument TI-2000 AT Slim Line Laptop w/3.5 disc drive 20 Mg HD w/ac adaptor (ideal for portable Packet) \$20.00. Panasonic DT-680 Ci-Amp Music Center w/ wireless remote control \$40.00. Panasonic (New-unopened) ST-C30 Super VHS Compact Video Tape \$2.00/ea. VHS (New-unopened) Compact Adaptors to Regular VHS, \$10.00. Yaesu FT-230R Two Meter mobile transceiver w/SS32PL \$50.00, Epson C60 Ink Jet Printer (New-unopened) \$60.00, Avenger 4000 Commercial Alarm System, 2 Sirens, Keypad, 8 PIR's, 1 sonic, \$100.00 OBO, 13 inch Sony Industrial color monitor Model PVM-1390 \$40.00, International Audio/ Video Studio Processor for Duplicating \$50.00, Powertrac Bionix 3/4 Hp Treadmill \$40.00, Celestron C-8 Catadioptric Telescope w/heavy duty Tripod, numerous eyepieces including X2 Barlow Lens with planetary clock drive \$800.00. Contact Dennis K7DCG, 858-748-9046 or email K7DCG@AOL.COM

**(4.20)** I have a TS 940S that needs a good home. Has the CW filter and comes with a Shure 444D mic for \$500.00. Original box and manual and has been in storage for the last 11 years. Also have a 2 meter handy talkie, IC2AT with drop in charger for \$50.00. Nice deal for someone that needs them. Paul Wood , KA5STX , 619-445-7933

**(3.20)** For Sale. HP 5105A Freq. Synthesizer w/5110B Driver. Output from 100 KHz to 500 MHz in 0.1 Hz steps w/ manual \$395. Richard- W6RLC 619-224-9900

**(2.11)** Tempo S-2 (220 Mhz) Handheld with SS-32 PL & DTFM built-in. With Charger. \$60.00, Galaxy Electronics PR550 Phone Patch \$20.00, 2.4 Ghz

***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**

Wireless CCD color CCD camera w/5 inch LCD Color Monitor complete \$50.00, Panasonic KX-F155 combo FAX/ Ans Machine \$40.00, Texas Instrument TI-2000 AT Slim Line Laptop w/3.5 disc drive 20 Mg HD w/ac adaptor (ideal for portable Packet) \$25.00, Panasonic DT-680 BI-Amp Music Center w/wireless remote control \$60.00, Panasonic (new-unopened) ST-C30 Super VHS Compact Video Tape \$2.00/ea, VHS (new - unopened) Compact Adaptors to Regular VHS, \$15.00/ea, Too Numerous List -

## 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

Panasonic Electronic accessories (email your request or call) , Yaesu FT-230R Two Meter mobile transceiver w/SS32 PL, \$70.00, Dell E551C 15 inch computer monitor (new - unopened) \$60.00, Epson C60 Ink Jet Printer (new- unopened) \$60.00, Avenger 4000 commercial alarm system 2 sirens, keypad, 8 PIR's , 1 Sonic, \$100.00 OBO, Contact Dennis K7DCG, 858-748-9046 or email K7DCG@arrl.net

**(2.11)** Swan 350 with matching power supply and lollipop mike, asking \$250.00. Kenwood tm201B FM 2 mtr Transceiver, asking \$50.00., Hallicrafter

ht-40 transmitter with ha-5 vfo, asking \$175.00., Yaesu ft2700rh fm dual bander, asking \$85.00., 3 window mount air conditioners in the original box, 10,000 btu, 7,800 btu and 6,000 btu, asking \$100.00 per unit., Yaesu ft-221 all band 2mtr (base) lsb, usb, cw, am and fm, asking \$175.00., alf pettersen, wb6taw, 760.941-2428, e-mail: wb6taw@sdccu.net

**(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

**(11.28)** Ameritron 8L-811H linear, like new, \$650. FT10R HT \$115, FT11R HT \$125, TM241A 2M mobile 75, TH-225A HT + ext mic \$50, P/S Alinco 330MV \$50, MC-60 desk mike \$75. High Sierra Sequoia/Pro motorized vertical, 3.5-30Mhz., new condition, assembled, tested, never used. \$500W3LFR, 858-774-0733 days, 858-780-9593 eves.

**(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 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



(Help Wanted Continued from page 1)

Public Service in an ideal opportunity and there a number of organizations that use our help. There

are opportunities for ALL amateur operators, from those that want to stay at home and watch the neighborhood, to those that want to work in an EOC, right out to those that want to see for themselves what is happening in the field.

A short list of opportunities, with points of contact:  
 San Diego/Imperial Counties Chapter of the American Red Cross -  
 tthompson@sdc.org  
 Radio Amateur Civil Emergency Services (RACES) - gerry.  
 sandford@sdsheiff.org  
 Community Emergency Response Teams - CERT San Diego -  
 cert@sandiego.gov  
 San Diego County CERT Council -  
 sdcert@sdcertcouncil.org  
 Amateur Radio Emergency Service -  
 nz6t@arrl.org  
 Salvation Army - Don\_Read@usw.  
 salvationarmy.org  
 Skywarn - National Weather Service -  
 edwin.clark@noaa.gov  
 Red Flag Patrol - rbeisigl@csst.net

There are many more agencies/organizations that a civic-minded HAM can assist. We witnessed many of these agencies respond to the wild fires of 2003. We need to get on board with them now, learn whom they are, and how we can help them to help us protect and justify our amateur radio bands.  
 If we really care about our hobby, we would not let people continue to say: "There aren't enough trained communicators".  
 Let's become be trained and ready serve our communities by serving these organizations.

Steve Early  
 AD6VI,  
 President, Palomar Amateur Radio Club

## Web Pages

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

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

**ARES Alert Publication**  
<http://sanarrrl.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/wfiedt/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>

**Rod, AC6V**

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

**Jo Ashley KB6NMK@amsat.org**  
**February 28, 2005**

Checking	\$1,752.66
CD	\$2,722.92
CD	\$3,440.08
CD	\$2,877.56
CD	\$2,877.62
Post Office	\$98.37
Total	\$13,769.21
Pre-paid Dues	\$7,269.00
Property Ins.	\$2,400.00
Total	\$9,669.00
Equity	\$4,100.21
Total Liabilities & Equity	\$13,769.21

## PARC Testing

Carlsbad - 2nd. Saturday at 9:30 am in the Carlsbad Safety center.

**Contact - Assi Friedman**  
**KK6KX**

858 792 3427

Call during work, ask for by name.

**kk6kx@amsat.org**

## 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**

## 10 Meter Net

Monday - Friday

8:00 pm Local time

**28.340**

WA9MTP Dennie in Vista is net control.

*(If N U Can Read Continued from page 4)*

to measure typing speed in words per minute. Using an average of five characters per word, that's just about 32 words per minute. Knowing that text messengers might be able to use abbreviations to lower the letters per word, that could raise the words per minute rate by quite a bit. By cutting out only one letter in every other word in a text message, one can increase the words-per-minute rate to nearly 37 words per minute. In other words, the word-per-minute rate might be expected to be in the ballpark of Morse code. However, that's neglecting the time it takes for the text message to propagate through a cellular phone system.

For the contest on The Tonight Show with Jay Leno, the sending members of the team sat at one table on the left-hand side of the stage and the receivers sat at another table on the right-hand side of the stage. Ken Miller decided that he would be the Morse code receiver because he was less bothered by the crowd noise. A card with the message to be sent was placed face-down on the table. At the word Go, the sender turned the card over and began transmitting the phrase on the card to the receiver, each using their particular technology. You could see the small radio and key that Chip was using to send as well as the small radio and speaker that Ken was using to receive. The Morse code was clearly audible in the studio.

Jay Leno continued talking during the contest, but that didn't seem to bother either team, as they were completely and totally focused on the task at hand.

Ken writes, "The radios were FT-817's provided by Chip's company Yaesu and HRO. Reason for that choice was that we needed the most frequency agile radios we could get. When I talked to the technical folks, they recommended we START at 2 meters and go up because of all of the lower frequency noise and RFI from the other TV equipment. When I got there, we took out a spectrum analyzer and studied all of the interference possibilities. I ended up choosing 432.200 MHz because that guaranteed no RFI from their equipment and we were high enough not to overload their front ends either. This was then verified and it was what we were using at the FT-817's lowest setting.

Ken continues "Also, since we did not have the time to set up headphones, I just added some extra volume for me, had the stage folks cut my mike (to prevent feedback and overload) and copied off of the speaker. To re-emphasize the point, I'm just an average CW op who occasionally operates the CW SS QRP, with my K2 of course, and really enjoys CW, and traffic handling.

Therefore, the contest was between someone who considers themselves an average CW operator against the fastest text messengers the Tonight Show could find to fly in for the show.

Ken explained that he was confident that 28-30 wpm would easily keep them in front of even the current

world record holder of fastest text messenger, and also it is the fastest speed that he could make nice readable copy on paper with a pencil, which is what he used to write down the message.

Interestingly, Joe Drago, who is a props manager for the show, is KF6OCP. There were three rehearsals for the skit. Morse code won every time. In the segment that aired, Ben Cook was getting ready to enter the last two words when Ken and Chip finished their transmission. The text was not revealed to either team beforehand and was different in each rehearsal as well as for the live event. Ken's wife Connie was very much responsible for the producer deciding to go ahead with the segment, as she talked up the concept on the phone and sold the idea of the segment working. Ken says that without her efforts, the segment would never have happened.

If you enjoyed the segment, PLEASE email, write, etc. to let "The Tonight Show" know about it. Exposure for our hobby is a powerful tool for protecting it, increasing awareness of it, and attracting new members to it. Think of the number of people in the studio audience alone that day that were introduced to Morse code and ham radio in an entertaining, accessible way. Give the show some feedback! Send them your QSL card as a thank-you. Here is the address.

Tonight Show with Jay Leno  
3000 W. Alameda Ave.  
Burbank, CA 91523

Very special thanks to Dennis Vernaccia N6KI, Art Wallace W6KY, and Roger Thompson AD5T for contributing to this article.

**RALPH CORSSMAN**  
**K6HAV SK**  
**12/26/1920~2/28/2005**

Ralph over the years helped guide the club through many rough times and served the club in many official ways: SCOPE editor, Board Member, Repeater site Chairman, Field Day Chairman, Technical Chairman, etc. He also held many unofficial posts: recruiter, influencer, property custodian, repeater site scrounger, advisor, etc.

The Palomar Club would not be what it is today if it were not for K6HAV.

Ralph K6HAV produced a regular two page newsletter which had the heading of SCOPE. This first regular newsletter was produced on legal size paper (8.5x14) because it was easily run off on his old model 15 teletype machine so all the printing was in capital letters. Later on Ralph introduced the club to a SCOPE produced with one of the first IBM computers. There was also a short stretch of time when he did the SCOPE on an electric typewriter. A lot of what Ralph did in the beginning was real "cut and paste" as he was learning. Ralph was the club editor for 17 years.

Ralph certainly was my "guiding light" during the time I was active in PARC and was always available for consultation .. even when not asked for!

The following is an obituary that was published concerning Ralph's passing. I have included the entire paragraph for those older members of PARC that knew K6HAV.

For me, K6HAV, will always be remembered for being a true Marine with a Marine "can do" attitude.

73, Stan W9FQN

vvvvvvvvvvvvvvvvvvvv

Crossman, Ralph Lt. Col Ralph Barrett Crossman  
 (USMC Ret.)  
 12/26/1920~2/28/2005

Ralph Barrett Crossman passed away on February 28, 2005 at the Utah State Veterans Nursing Home. He was born December 26, 1920 in Upland, California to Ralph and Lucille Zander Crossman. Married Elaine Thelma Cone in 1944. They had three children Ralph, John and Susan. Elaine passed away in 1973. Married Patricia Maree Casper in 1976 at Camp Pendleton, California. Joined the US Marine Corps Reserves in 1938.

Called to active duty December 7, 1941 and served in three wars: World War II, Korea and Vietnam. He retired in 1967. He held an Extra Class Amateur Radio

Licence with call sign K6HAV. He was a member of

the Capitol Hill Kiwanis Club. He is survived by his wife Patricia, son Ralph Barrett Crossman II; three granddaughters: Charif Dianne Martin (Fred), Elaine Jovann Crossman and Samantha Ilea Crossman; three great grandchildren. Preceded in death by son John Douglas Crossman and infant daughter Susan Taylor Crossman. Also survived by step daughters: Catherine Lynn Waddill (Alfred) and Nancy Jean Kendall (Robert); step grandchildren: Eli Waddill, Erin Norton (Neil), Lisa and Michael Kendall, and Brian Gassner. Funeral services will be held Thursday, March 3, 2005 at 1:00 p.m., Capitol Hill 2nd Ward, 413 N. West Capitol St. Viewing will be held Wed., March 2 from 6-8 p.m. Larkin Mortuary, 260 E. South Temple. Interment Salt Lake City Cemetery. The family wishes to thank the staff at the Utah State Veterans Nursing Home for their loving care and kindness. Published in the Deseret News from 3/1/2005 - 3/2/2005.

**POSTMASTER:**  
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# Scope

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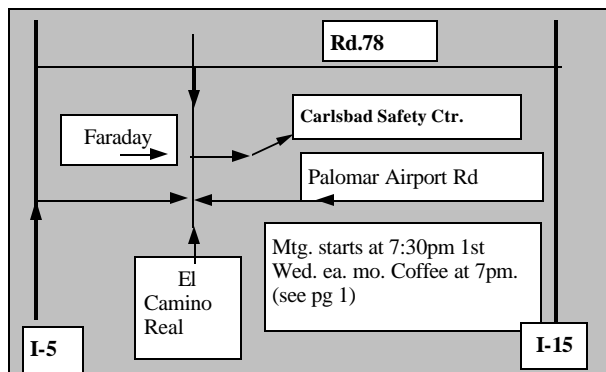
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## ***Palomar Amateur Radio Club Inc.***

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Scope address for newsletter submissions: **scope@palomararc.org**

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



# Palomar Amateur Radio Club

Volume XXXII No. VII

July 2005

## **July Meeting** **Wednesday, July 6** **7:30pm** **Amateur Radio** **Emergency Service**

### **\*Note New Location\***

Foothill Oak Elementary School,  
1370 Oak Drive (corner of Oak  
and Foothill) in Vista.  
Talk-in will be on the 146.730  
MHz repeater.

### **Inside this issue:**

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## **President's Message**

June has been an interesting month.

On short notice, we discovered that the Carlsbad Safety Center had closed for renovation and we needed to move the June Meeting.

Thanks to Rod Dinkins, AC6V, who discovered this minor matter, and Gayle Olsen, K6GO, who found us a good location on extremely short notice (hours), the June meeting, "Contesting 101", went on as planned, all be it, in a different location than expected.

I would like to thank Rod and Gayle for their efforts on PARC's behalf.

In addition, thanks to the efforts Dennis Baca, KD6TUJ, and others, we

secured the Field Day Site in San Marcos. By this press time, Field Day 2005 will have passed, but I want to acknowledge the efforts of all the participants in making this years' event happen.



I would also like to thank Dennis Vernacchia, N6KI, and Paul Dorey, WN6K, for the program

itself, "Contesting 101". They gave us a very good presentation.

(Continued on page 4)

## **Work Party Update**

On the 30th of May, Mchelle (W5NYV), Mike Doyle (Ab6QT), and Art (KC6UQH) worked on the PARC repeater site. It was an extra work party. Mike and Michelle measured out the exact site of the storage container and marked the corners while Art worked on the ATVsystem. Art found some issues that need to be addressed by an antenna work party, including but not limited to the 2442 receive 7/8 hardline con-

nector being damaged as well as water leakage in the line, the 2417 link antenna having a return loss of 10db, and the 1265 link antenna missing most of its elements. This antenna needs replacing.



## 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 Radiomagazines.

## 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:**  
Michelle Thompson **W5NYV**  
858.229.3399  
W5NYV@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

## Contest Coral

Jul 1	RAC Canada Day Contest
Jul 2	YV Independence Day Contest
Jul 2	Original QRP Contest
Jul 3	German Digital Contest
Jul 4	MI QRP Sprint
Jul 9	IARU HF World Championship
Jul 9	FISTS Summer Sprint
Jul 16	CQ Worldwide VHF Contest
Jul 16	North American QSO Party, RTTY
Jul 17	RSGB Low Power Field Day
Jul 23	Great Lakes Sweepstakes
Jul 23	VK/Trans-Tasman 160m Contest, CW
Jul 25	RSGB IOTA Contest
Aug 6	10-10 Int'l Summer Contest, SSB
Aug 6	National Lighthouse Weekend

QRP to QRO, CW, SSB, and Digital. Wow, who says that Summer contests are few and far between. If you can't find something during July, let me ask you to chase islands in the IOTA contest. Who knows, you might just get 100 islands to get started up the IOTA awards chain. Contest rules are published in QST, CQ, NCJ, and Worldradio. CU in the contest!

73, Harry/W6YOO

## RF PARTS Company

*From MILLIWATTS to KILOWATTS*

435 South. Pacific St., San Marcos, CA 92078

### RF POWER TRANSISTORS - TUBES - POWER MODULES

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

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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

ARES Info

ARES Net

Attendance

ATV

Auction

Badges New

Batteries

BBS Monitor

Billing:Ads/etc

Contest Info

Control Ops

Del Mar Fair

Emergency Com Centers

Harry

Dennis V

Field Day

Field Day Tech

Inventory

New Members

Nets

Newsletter

Patch Info

Patch Etronics

Picnic

Power AC/DC

Programs

Publicity

QSL Cards

RACES Info

RED Flag

Repeater Site

SANDARC

Seller Table

Asst.SW Div Dir TBD

Tech Site

Testing VE

Training

Trustee W6NWG

Web

Tony

Dennis S

Al

Art

Tom M

Al

David

Bill B

Lyell

Dennis V

filled

W6YOO

N6KI

TBD

John K

Dennis B

John E

Michelle

Stan R

Jerry H

Mark R

Mike P

Dennis B

Jo A

Steve

Michelle T

Jin /Steve

John K

Mike D

Jim C

Mike D

Paul W

KC6YSP

K7DCG@amsat.org

W6GNI@amsat.org

KC6UQH@amsat.org

KG6RGW@amsat.org

W6GNI@amsat.org

KD6EBYDAT@Gerry.Palomar.

caltech.edu

N6FMK@amsat.org

K6GVM@arrl.net

N6KI@amsat.org

W6NWG@amsat.org

W6YOO@amsat.org

N6KI@amsat.org

WB6IQS@amsat.org

KD6TUJ@amsat.org

KG6EQU@amsat.org

Board Function

W6MYP@amsat.org

W9FQN@amsat.org

WB6FMT@amsat.org

KF6WTN@amsat.org

K6MRP@amsat.org

KD6TUJ@amsat.org

Need Replacement for Merle KR6BT

KB6NMK@amsat.org

AD6VI@amsat.org

W5NYV@amsat.org

NE6O/AD6VI

WB6IQS@amsat.org

AB6QT@amsat.org

Jim\_carmichael@cymar.net

W6NWG@amsat.org

AB6QT@amsat.org

www.Palomararc.org

## 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	Glenn Jones	KG6JDF@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
Red Cross Net	Ted	tthompson@sdarc.org

## ARES Public Service Events for 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



(President's Message Continued from page 1)



### NEW MEETING LOCATION!

While the Carlsbad Safety Center is being renovated, we will be meeting at: **Foothill Oak Elementary School, 1370 Oak Drive (corner of Oak and Foothill) in Vista.** Talk-in will be on the 146.730 MHz repeater.

The July meeting:

Jerry Kostro, AK6QJ, will present a program on the Amateur

Radio Emergency Service.

One of the five principals of Amateur Radio is: To Provide Emergency Communications.

I understand that this program is for those that have not yet served during an emergency, but would like to learn how they could. This is an important opportunity because we are now in Fire Season, and many agencies and organizations, such as ARES, Salvation Army, American Red Cross, California Department of Forestry, RACES, and Community Emergency Response Teams, etc, will likely need our help.

ARES is a good program, and a good place to learn operating principals and procedures, regardless of whom you will actually serve.

If you have helped your community during a disaster, you know the need for prior training and orientation. If you have not yet served, this is a good place to start. ARES also provides public service opportunities, such as the Special Olympics and Long Distance Races, to work on your communications skills before an emergency.

Looking down the road:

The August 3rd meeting will be on "T"-hunting, and the PARC Picnic is tentatively scheduled for August 28th. I will see you all on July 6th,

at the Foothill Oak Elementary School at 7:30 PM for a presentation on ARES.

Steve Early  
President,  
Palomar Amateur Radio Club,  
Inc.



# HAM RADIO OUTLET

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

**KENWOOD**  
**rf CONCEPTS**  
**DIAMOND**  
**US TOWERS**  
**KANTRONICS**  
**YAESU**  
**MFJ, ICOM**  
**BENCHER, Inc.**  
**HUSTLER**  
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**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.**  
**Monday thru Saturday**  
**858 560-4900 or toll free 1-800-854-6046**

*Ask about our great prices*

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.



# JULY 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6 Club Meeting	7	8	9
10	11	12	13 Board Meeting	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

- July 6—Club Meeting
- July 13 -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** 1900 147.130 Red Cross 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



### June Meeting Goodie Givers

KG6RCW	Tom
KD6TR	Tom
K6ISS	Fred
W6ASP	Preston

### Club Membership

### New Members Joining PARC:

KG6ZKH, KG6ZLW, KG6ZLX, KG6ZKX, WA3POC, KG6ZLA.

July is a big "renewal" month due to a long past system of all members renewing in July. A Quick look shows 49 current members have a July renewal date. A couple of years ago, many gave me help by renewing for more than one year at a time. That is still very much appreciated. Save data entry and a trip to the bank for me, a stamp or two for you, and no worry about getting your SCOPE on time for a couple of years. Thanks!!

Al  
W6GNI

### Last Month's Fold & Staple Crew



KR6BT Merle	W6YOO Harry
KB6YHZ Art	& WA5ACE
Sonny	
W6GNI Al	& Kathy
KR6BT Merle	
KB6NMK Jo	& Toby & Tyler & Matthew

# For Sale

**(6.25)** FOR SALE (1) UNIDEN BEARCAT SCANNER RADIO BASE Model # BC 890 XLT With antenna and Power supply for AC use. Asking \$100.00 or OBO. FOR SALE (1) UNIDEN BEARCAT SCANNER RADIO Model # BC 760 XLT Mobil With antenna and 12VDC Power Cord. Asking \$65.00 or OBO. Please Contact Bayard K6GAO at 858-755-5507.

**(6.20)** Test equipment including H/P 141 T Spectrum Analyzer, Parts including large spacing variable capacitors, Antennas, Antenna rotators, Tools and more from the Ham Shack of Jim, K6ML. Contact Art, KC6UQH for appointment to see. 760-758-6062 Evenings and weekends

**(6.20)** Tempo 2020 with matching VFO and Speaker, includes owners / service manuel and other related parts and cables. Asking \$275.00. Alf Pettersen WB6TAW 760.941-2428 or 760.519-9193 - apetter@sbcglobal.net

**(6.25)** TOWER CRANK UP SELF SUPPORT 54', 4 ELEM 4 BAND BEAM, ROTATER W/CABLE, K0KOA HAGAR...619-698-7874

**(5.20)** For sale: Palomar Engineers LA-1 Loop Amplifier with Omega (10khz-40khz), LF (150khz-500khz), and BCB (500khz-1600khz) loops. \$200.00. (Other loops are available from Palomar Engineers) Bob, KY6P, 619-318-2217.

**(5.20)** Tempo S-2 (220 Mhz) Handheld with SS-32 PL & DTMF built in. With Charger \$50.00. Galaxy Electronics PR550 Phone Patch \$20.00. Panasonic KX-F155 Combo FAX/Answering Machine \$30.00. Texas Instrument TI-2000 AT Slim Line Laptop w/3.5 disc drive 20 Mg HD w/ac adaptor (ideal for portable Packet) \$20.00. Panasonic DT-680 Ci-Amp Music Center w/wireless remote control \$40.00. Panasonic (New-unopened) ST-C30 Super VHS Compact Video Tape \$2.00/ea. VHS (New-unopened) Compact Adaptors to Regular VHS, \$10.00. Yaesu FT-230R Two Meter mobile transceiver w/SS32PL \$50.00, Ep-

***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**

son C60 Ink Jet Printer (New - unopened) \$60.00, Avenger 4000 Commercial Alarm System, 2 Sirens, Keypad, 8 PIR's, 1 sonic, \$100.00 OBO, 13 inch Sony Industrial color monitor Model PVM-1390 \$40.00, International Audio/Video Studio Processor for Duplicating \$50.00, Powertrac Bionix 3/4 Hp Treadmill \$40.00, Celestron C-8 Catadioptric Telescope w/heavy duty Tripod, numerous eyepieces including X2 Barlow Lens with planetary clock drive \$800.00. Contact Dennis K7DCG, 858-748-9046 or

**(3.20)** For Sale. HP 5105A Freq. Synthesizer w/5110B Driver. Output from 100 KHz to 500 MHz in 0.1 Hz steps w/ manual \$395. Richard- W6RLC 619-224-9900

**(2.11)** Tempo S-2 (220 Mhz) Handheld with SS-32 PL & DTFM built-in. With Charger. \$60.00, Galaxy Electronics PR550 Phone Patch \$20.00, 2.4 Ghz Wireless CCD color CCD camera w/5 inch LCD Color Monitor complete \$50.00, Panasonic KX-F155 combo FAX/Ans Machine \$40.00, Texas Instrument TI-2000 AT Slim Line Laptop w/3.5 disc drive 20 Mg HD w/ac adaptor (ideal for portable Packet) \$25.00, Panasonic DT-680 Bi-Amp Music Center w/wireless remote control \$60.00, Panasonic (new-unopened) ST-C30 Super VHS Compact Video Tape \$2.00/ea, VHS (new - unopened) Compact Adaptors to Regular VHS, \$15.00/ea, Too Numerous List - Panasonic Electronic accessories (email your request or call), Yaesu FT-230R Two Meter mobile transceiver w/SS32 PL, \$70.00, Dell E551C 15 inch computer monitor (new - unopened) \$60.00, Epson C60 Ink Jet Printer (new - unopened) \$60.00, Avenger 4000 commercial alarm system 2 sirens, keypad, 8 PIR's, 1 Sonic, \$100.00 OBO, Contact Dennis K7DCG, 858-748-9046 or email K7DCG@arrl.net

**(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

## 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

email K7DCG@AOL.COM

**(4.20)** I have a TS 940S that needs a good home. Has the CW filter and comes with a Shure 444D mic for \$500.00. Original box and manual and has been in storage for the last 11 years. Also have a 2 meter handy talkie, IC2AT with drop in charger for \$50.00. Nice deal for someone that needs them. Paul Wood, KA5STX, 619-445-7933

## Flying Samaritans

Flying Samaritans organization, who run free Health and Eye clinics in Mexico, is looking for computers.

If your company or anyone you know is upgrading and has Pentium III or equivalent/better computers and want to donate them to a good cause ( you will get a letter for tax write off ), please let me know.

Working monitors, keyboards, mouse, printers with the computer also appreciated.

73, Dennis Vernacchia N6KI

## Web Pages

### PARC's Home Page -

<http://www.palomararc.org>

### Rod's - AC6V

<http://www.ac6v.com>

### ARES Alert Publication

<http://sanarrrl.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/wfeidt/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>

**Rod, AC6V**

### Treasurer \$\$\$

**Jo Ashley KB6NMK@amsat.org**

**May 31, 2005**

Checking	\$2,707.14
CD	\$2,735.16
CD	\$3,453.42
CD	\$2,889.48
CD	\$2,889.54
Post Office	\$98.51
Total	\$14,773.25
Pre-paid Dues	\$7,086.00
Property Ins.	\$2,400.00
Total	\$9,486.00
Equity	\$5,287.25
Total Liabilities & Equity	\$14,773.25

## PARC Testing

Carlsbad - 2nd. Saturday at 9:30 am in the Carlsbad Safety center.

### Contact - Assi Friedman

**KK6KX**

858 792 3427

Call during work, ask for by name.

**kk6kx@amsat.org**

## 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**

## 10 Meter Net

Monday - Friday

8:00 pm Local time

**28.340**

WA9MTP Dennie in Vista is net

**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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## ***Palomar Amateur Radio Club Inc.***

**Scope (USPS #076530) Vol. XXXIII No.7, July, 2005**, published monthly by PARC  
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**Dues \$18/yr or \$30/family/yr** (*includes newsletter subscription*)

**Editor:** Michelle Poirier W6MYP, 200 S. Emerald Spc51, Vista, CA 92081  
Scope address for newsletter submissions: **scope@palomararc.org**

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

Foothill Oak Elementary School, 1370 Oak Drive  
(corner of Oak and Foothill) in Vista. Talk-in will  
be on the 146.730 MHz repeater.



# Palomar Amateur Radio Club

Volume XXXII No. VIII

August 2005

## August Meeting Wednesday, August 3, 7:30pm Transmitter Hunting

### \*Note New Location\*

Foothill Oak Elementary  
School,  
1370 Oak Drive (corner of Oak  
and Foothill) in Vista.  
Talk-in will be on the 146.730  
MHz repeater.

### Inside this issue:

Contest Coral	2
PARC Repeaters	3
Committee Chairs / Net Managers	3
End of 6M Net	4
Calendar of Events	5
Nets	5
For Sale	6

## President's Message

This August, we find ourselves in the middle of the Fire Season. We have done our best to prepare our Public Service members for community service with the Red Cross, ARES, RACES, etc.

The latest installment was a very good program on the Amateur Radio Emergency Service, presented by Jerry Kostro, AK6QJ. Jerry presented an EmComm (Emergency Communications) Primer for those new to public service. If you missed this program, but have a chance the hear Jerry give it again, take that chance.

Now it is time for some fun. The August 3<sup>rd</sup> program will be on Transmitter Hunting, and will be presented by Stan Rohrer, W9FQN. T-Hunting was chosen to help prepare us for the T-Hunt at the Annual

PARC Picnic on August 28<sup>th</sup>, at San Dieguito County Park, 1628, Lomas Santa Fe Drive, in Del Mar. T-Hunting is both an art and a science.

The art comes into play with the skills and techniques used by individuals to get the most out of their T-Hunting equipment, whether a basic hand-held, or an elaborated automatic direction finder.

Science comes into play on both the technique, and the equipment (what makes it work that way???). T-hunting is a useful skill for all HAM's, whether for recreation, like at the picnic, trying to find that peski stray noise in your ham shack, or locating that microphone with a stuck key (no, that has never hap-



pened to meee....). Anyway, this program is a chance to learn how to do something both fun and useful.

Looking down the road... PARC annual Picnic, on August 28<sup>th</sup>, at San Dieguito County Park. Program on Microwave/ Amateur TV in September, by Art McBride. The Annual PARC auction in October (get your treasures/boat anchors ready).

(Continued on page 4)

## Work Party Update

August 6th Work Party. Meet at 9am at Mother's Kitchen for breakfast, socializing, and pre-planning session.

**What:** Repeater Site Maintenance

**When:** Each Saturday following the general club meeting from 10:00 am until 12:00 noon.

**Where:** Meet at Mother's Kitchen restaurant. Bring water, sunscreen, bug spray, and whatever else you think you will need. There is no running water or toilet facility at the repeater site.

How: Work may include raking, shoveling, organizing, trouble-shooting, planning, pounding nails, hauling stuff away, thinking, pondering, talking, lifting, pushing, pulling, and other organized chaos. Work may be inside one of the buildings or outside on the site, but generally work parties will concentrate on one or the other as to not get in each other's way.

(Continued on page 2)

(Work Party Continued from page 1)

Why: Volunteering for a work party is worth two participation points to the club. Volunteering your time to help maintain the repeater site is greatly appreciated as it makes a huge difference to the vitality and effectiveness of our local amateur radio community.

Contact Michelle w5nyv@amsat.org for more information.

## 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

Aug 6 TARA Grid Dip Shindig  
Aug 6 Ten-Ten Summer Contest, SSB  
Aug 6 Nat'l Lighthouse Weekend  
Aug 6 European HF Championship  
Aug 6 ARRL UHF Contest  
Aug 6 North American QSO Party, CW  
Aug 7 RSGB RopoCo 2  
Aug 7 SARL HF Phone Contest  
Aug 12 NCCC Thursday Sprint  
Aug 13 WAE DX Contest, CW  
Aug 13 Maryland-DX QSO Party  
Aug 20 NCCC Thursday Sprint  
Aug 20 ARRL 10 GHz and Up Contest  
Aug 20 Keyman's Club of Japan Contest  
Aug 20 North American QSO Party, SSB  
Aug 20 New Jersey QSO Party  
Aug 26 NCCC Thursday Sprint  
Aug 27 ALARA Contest  
Aug 27 Hawaii QSO Party  
Aug 27 SCC RTTY Championship  
Aug 27 Romania DX HF Contest  
Aug 27 Ohio QSO Party  
Aug 28 SARL HF CW Contest  
Aug 28 Kentucky QSO Party  
Now, there's a list of contests for you! Something for everyone: CW, SSB, Digital, UHF and up plus a few state QSO parties thrown in for good measure. Rule are available in QST, CW, NCJ, and Worldradio. Good luck 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!

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*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

ARES Info

ARES Net

Attendance

ATV

Auction

Badges New

Batteries

BBS Monitor

Billing:Ads/etc

Contest Info

Control Ops

Del Mar Fair

Emergency Com Centers

Harry

Dennis V

Field Day

Field Day Tech

Inventory

New Members

Nets

Newsletter

Patch Info

Patch Etronics

Picnic

Power AC/DC

Programs

Publicity

QSL Cards

RACES Info

RED Flag

Repeater Site

SANDARC

Seller Table

Asst.SW Div Dir TBD

Tech Site

Testing VE

Training

Trustee W6NWG

Web

Tony

Dennis S

Al

Art

Tom M

Al

David

Bill B

Lyell

Dennis V

filled

W6YOO

N6KI

TBD

John K

Dennis B

John E

Michelle

Stan R

Jerry H

Mark R

Mike P

Dennis B

Jo A

Steve

Michelle T

Jin /Steve

John K

Mike D

Rusty Massie AA6OM dunedancer@cox.net

KC6YSP

K7DCG@amsat.org

W6GNI@amsat.org

KC6UQH@amsat.org

KG6RGW@amsat.org

W6GNI@amsat.org

KD6EBYDAT@Gerry.Palomar.

caltech.edu

N6FMK@amsat.org

K6GVM@arrl.net

N6KI@amsat.org

W6NWG@amsat.org

W6YOO@amsat.org

N6KI@amsat.org

WB6IQS@amsat.org

KD6TUI@amsat.org

KG6EQU@amsat.org

Board Function

W6MYP@amsat.org

W9FQN@amsat.org

WB6FMT@amsat.org

KF6WTN@amsat.org

K6MRP@amsat.org

KD6TUI@amsat.org

Need Replacement for Merle KR6BT

KB6NMK@amsat.org

AD6VI@amsat.org

W5NYV@amsat.org

NE6O/AD6VI

WB6IQS@amsat.org

AB6QT@amsat.org

W6NWG@amsat.org

AB6QT@amsat.org

www.Palomararc.org

## Net Managers

ARES Sun

Dennis

K7DCG

Ham Help Net

David D

KC6YSO@amsat.org

Hiking

Ed

KF6DXX@juno.com

Glenn P

KE6ZLY@juno.com

MARA

Glenn Jones

KG6JDF@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

Red Cross Net

Ted

tthompson@s darc.org

(President's Message Continued from page 1)

Other things to be considering:  
We, as a club, need to look to the future and develop programs to advance the Amateur Radio Art. A club of our size should have an on going effort to improve the skills and knowledge of our members by offering participation in projects and programs that will stretch our imaginations and abilities. It was suggested to me, that we establish a few long-term project that will benefit both the club and that amateur community. Please bring your ideas for projects and programs to my attention.

I had the opportunity to visit the repeater site with Michelle Thompson (W5NYV), our Repeater Site Chairperson. A couple of major projects have been accomplished. The new Storage Container/Workspace has been delivered and a major site clean-up campaign has been conducted. The site appears to be in pretty good shape.

Michelle reports, though, that there continue to be projects and opportunities for Club Service at the Site.

Projects include a new roof for one building (possibly two buildings), a power management upgrade, and Tower/Antenna maintenance.

Please see Michelle, W5NYV, for the details on these opportunities.

Finally, I hope to see you all on Wednesday, August 3rd, at our temporary meeting location, **Foothill Oak Elementary School, 1370 Oak Drive (corner of Oak and Foothill) in Vista. Talk-in will be on 146.730.**

Steve Early  
AD6VI



## Annual PARC Picnic

on August 28<sup>th</sup>,  
San Dieguito County Park,  
1628, Lomas Santa Fe Drive, in  
Del Mar.

### End of 6m Net

After over ten years of operation, the number of checkins to the 6 meter Emergency Net on the PARC repeater has dwindled to the point that it is no longer worth while to operate the Net. I will call the Net through the remainder of July. July 30 will be the last meeting of this Net.

Please make the appropriate changes to:

List of Nets in the "Scope"  
List of Net Managers in the "Scope"  
Preambles of other Nets

I have enjoyed being Net Manager and Net control for the 6m Emergency Net all these years, but now it is time to move on.  
-73  
-Dave  
-kc6yso

# HAM RADIO OUTLET

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 Antennas**  
**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).  
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Open: 10a.m. - 5:30p.m.  
**Monday thru Saturday**  
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Ask about our great prices

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.



# AUGUST 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3 Club Meeting	4	5	6 Work Party 10-12
7	8	9	10 Board Meeting	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28 Picnic	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

August 5th-7th Brickyard 400 NASCAR Race Special Event Station  
 August 6th-7th ARRL UHF Contest  
 August 6th-7th NAQP CW Contest  
 August 9th 10am-12pm Work Party  
 August 13th-14th Navajo Code Talkers Day Special Event  
 August 20th-21st ARRL 10 GHz and Up Contest  
 August 20th-21st NAQP SSB Contest  
 August 27th Ohio QSO Party  
 August 28th CQC 2005 Summer VHF/UHF QSO Party  
 August 29th-Sept 4th Burning Man Special Event Station, <http://burninghams.org/>

## 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** 1900 147.130 Red Cross 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

**Tue/Thu/Sat** 2000 146.730 NTS Traffic Net (SDCTN)

## Goodie Givers



KG6RCW Tom  
 KD6TR Tom

## Club Membership

### New Members Joining PARC:

KG6ZBB, AB4OL, and K5RQ who joined and paid 5 years first off!  
 Several reinstatements!

If you are reading this on the web site because you didn't get a SCOPE in the mail - how about joining, or rejoining PARC. The club needs the support of many hams to keep Palomar Mountain repeating back what goes up there! Our membership is still dropping. Bring a friend, and let's sign them up. Maybe too much internet/cell phone competition? But, there are many aspects to ham radio, new ones every year. The digital modes are really neat! How many other hobbies can brag about having their own satellites up?

As a reminder, in accordance with the by-laws, the year for participation points is August 1 through July 31. So, the points for attending the August 4th, 2004 club meeting will be starting points for year 2006. The fold and staple crew will get their points added in 2005, since this newsletter was prepared and mailed July 27th.

Al  
 W6GNI

## Last Month's Fold & Staple Crew



KR6BT Merle  
 KB6NMK Jo & Toby  
 KB6YHZ Art KE6DUG  
 Rich  
 W6GNI Al & Kathy  
 W6YOO Harry  
 N6UZH Terry & Tyler & Matthew

# For Sale

**(7.17)** FORSALE GENERATOR, \$100 COLEMAN POWERMATE, PULSE-PLUS-1750 ED, W6ABE 760-722-5155

**(7.17)** (1) Hy-Gain Dynamic Microphone Model # 610. \$30.00 OBO. (1) Realistic Stereo AMP. Model # SA-10. \$15.00 OBO. (1) Frequency-Counter Model # 711 115 VAC or 12VDC \$35.00 OBO.. Please Call Bayard K6GAO 858-755-5507. Thank You.

**(7.15)** Wanted: CQ Magazine for May 1959. Beg, Borrow, or Buy. Would consider entire year of 59 and possible older issues. Bob Byrnes ke6mtt "rbyrnes@pacbell.net"

**(6.27)** Antique Teleplex Code Machine, Circa 1930/40's, W/paper tapes. Make Offer. Packard Bell Table Top Radio, Circa 1930/40's, uses 6SK7, 6SQ7, 6X5 tubes, \$30.00, 300 Laser Movies, email for a list, first come first sold, \$7.00/each. Contact: Dennis K7DCG, 858-748-9046 or email K7DCG@AOL.com

**(6.25)** FOR SALE (1) UNIDEN BEAR-CAT SCANNER RADIO BASE Model # BC 890 XLT With antenna and Power supply for AC use. Asking \$100.00 or OBO. FOR SALE (1) UNIDEN BEAR-CAT SCANNER RADIO Model # BC 760 XLT Mobil With antenna and 12VDC Power Cord. Asking \$65.00 or OBO. Please Contact Bayard K6GAO at 858-755-5507.

**(6.20)** Test equipment including H/P 141 T Spectrum Analyzer, Parts including large spacing variable capacitors, Antennas, Antenna rotators, Tools and more from the Ham Shack of Jim, K6ML. Contact Art, KC6UQH for appointment to see. 760-758-6062 Evenings and weekends

***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**

**(6.20)** Tempo 2020 with matching VFO and Speaker, includes owners / service manuel and other related parts and cables. Asking \$275.00.

Alf Pettersen WB6TAW 760.941-2428 or 760.519-9193 - apetter@sbcglobal.net

**(6.25)** TOWER CRANK UP SELF SUPPORT 54', 4 ELEM 4 BAND BEAM, ROTATOR W/CABLE, K0KOA HAGAR...619-698-7874

Mg HD w/ac adaptor (ideal for portable Packet) \$20.00. Panasonic DT-680 Ci-Amp Music Center w/wireless remote control \$40.00. Panasonic (New-unopened) ST-C30 Super VHS Compact Video Tape \$2.00/ea. VHS (New-unopened) Compact Adaptors to Regular VHS, \$10.00. Yaesu FT-230R Two Meter mobile transceiver w/SS32PL \$50.00, Epson C60 Ink Jet Printer (New - unopened) \$60.00, Avenger 4000 Commercial Alarm System, 2 Sirens, Keypad, 8 PIR's, 1 sonic, \$100.00 OBO, 13 inch Sony Industrial color monitor Model PVM-1390 \$40.00, International Audio/Video Studio Processor for Duplicating \$50.00, Powertrac Bionix 3/4 Hp Treadmill \$40.00, Celestron C-8 Catadioptric Telescope w/heavy duty Tripod, numerous eyepieces including X2 Barlow Lens with planetary clock drive \$800.00. Contact Dennis K7DCG, 858-748-9046 or email K7DCG@AOL.COM

## 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

**(5.20)** For sale: Palomar Engineers LA-1 Loop Amplifier with Omega (10khz-40khz), LF (150khz-500khz), and BCB (500khz-1600khz) loops. \$200.00. (Other loops are available from Palomar Engineers) Bob, KY6P, 619-318-2217.

**(5.20)** Tempo S-2 (220 Mhz) Handheld with SS-32 PL & DTMF built in. With Charger \$50.00. Galaxy Electronics PR550 Phone Patch \$20.00. Panasonic KX-F155 Combo FAX/Answering Machine \$30.00. Texas Instrument TI-2000 AT Slim Line Laptop w/3.5 disc drive 20

**(4.20)** I have a TS 940S that needs a good home. Has the CW filter and comes with a Shure 444D mic for \$500.00. Original box and manual and has been in storage for the last 11 years. Also have a 2 meter handy talkie, IC2AT with drop in charger for \$50.00. Nice deal for someone that needs them. Paul Wood, KA5STX, 619-445-7933

**(3.20)** For Sale. HP 5105A Freq. Synthesizer w/5110B Driver. Output from 100 KHz to 500 MHz in 0.1 Hz steps w/manual \$395.

Richard- W6RLC 619-224-9900

## Help Wanted

My father is house bound on oxygen due to emphysema and his only connection with the world is through his computer and ham radio. He hasn't had his antenna up for over 4 years because we were living in a condo and they did not allow it. We recently moved to a single story house located in Oceanside near Camp Pendleton so finally he can have his antenna. Now he is just too weak to put it up and I don't think I can do it by myself.. Is there anyone out there who can help us get this antenna up? We would truly appreciate it if a couple strong volunteers.

Thank you

AA7RE,s Daughter

Lori

Call my cell 949-400-6053 or my dad's phone 760-722-8424

1416 San Simeon Street

Oceanside CA 92054

## Web Pages

### PARC's Home Page -

<http://www.palomararc.org>

### Rod's - AC6V

<http://www.ac6v.com>

### ARES Alert Publication

<http://sanarrrl.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/wfeidt/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>

**Rod, AC6V**

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

**Jo Ashley** **KB6NMK@amsat.org**

**June 30, 2005**

Checking	\$521.62
CD	\$2,739.17
CD	\$3,458.48
CD	\$2,893.61
CD	\$2,893.44
Post Office	\$98.51
Total	\$12,604.98
Pre-paid Dues	\$6,962.00
Property Ins.	\$2,400.00
Total	\$9,362.00
Equity	\$3,242.98
Total Liabilities & Equity	\$12,604.98

## PARC Testing

Carlsbad - 2nd. Saturday at 9:30 am in the Fire Station @ the Carlsbad Safety center.

### Contact - Rusty Massie

AA6OM

760-747-5872

[dunedancer@cox.net](mailto: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

## **-People Helping People -**

July 17, 2005

It did not take a catastrophic event for Amateur Radio to make a difference in my day.

Let me give you a bit of background before I launch in to my happily ever after story. My name is Christy and I am married to Tom aka KG6RCW (an avid Ham). For about the last year I have been dragging my feet about getting my Technicians Licenses. That is about to all change. The Amateur Radio Operators and the RED EYE NET -146.985, on July 15, 2005 @11pm have no idea that this occurred. Here is my story.

After spending a week in Denver, Colorado with my longtime friend and her eight week old colicky baby all I wanted was to see my husband and sleep in my own bed. As I drove the seemingly endless miles I would occasionally spin the "icom" dial for conversations I could listen to. It was pretty slim pickin's most of the trip but somewhere between Las Vegas and Barstow I was able to get the 146.985 machine. This turned out to be the best thing since sliced bread that night.

At eleven o'clock pm, The Red Eye Net came on. Anne (N6BOP) was leading the group. The net was a buzz about the heat wave blanketing the area and the breaking news of a Hi-Jacked Semi truck in the Los Angeles area. As the net continued the participants gave updates of the truck and the law enforcements attempts to stop the vehicle. Listening intently as the saga unfolded through the radio, I realized that the truck was no longer in the Los Angeles area. The truck was headed East on the 10 highway. Not a major concern to my travels at that point but I did flash on the fact that they were closing large portions of the roads to lessen the traffic flow in certain areas.

As I continued south on I-15 listening to the net I contemplated my options. My first option was I-15 Straight through to San Diego, 2nd option was the 60/215 connector with all the construction and delays. After driving nine hours at that point the I-15 was my logical choice. As luck would have it 4 miles north of the 15/215 split an update came across the net that the truck was now leaving the 10 highway and headed south on I-15. So much for option #1. Quickly realizing that the 15/215 split was rapidly approaching, I made one stealth like move (hard to do in a vehicle the size of a bus) changed lanes and made the 215. I was destined to sleep in my own bed that night.

I tell this story with humor not trying to make light of a life threatening tragedy that was unfolding on the

Highway but to point out that as we go through our day to day lives seldom are we aware that we are

making a positive difference in peoples lives. The Red Eye Net made a difference that night.

I'll wrap this up by saying I have a new vigor in studying for my license. The sheer frustration of not

being able to pick up the microphone and tell Anne and the rest of the net thank you, has stoked my "Amateur Radio" fire. Thank you and keep up the great work!

73 & 88

Christy Martin

---

## **Flying Samaritans**

Flying Samaritans organization, who run free Health and Eye clinics in Mexico, is looking for computers.

If your company or anyone you know is upgrading and has Pentium III or equivalent/better computers and want to donate them to a good cause ( you will get a letter for tax write off ), please let me know.

Working monitors, keyboards, mouse, printers with the computer also appreciated.

73, Dennis Vernacchia N6KI

# Amateur to Civilian Radio Communications - No. 001

By Kurt Barnhart, N6MD@arrl.net

From time to time, especially during public events, emergencies and disasters, it's useful for ham radio operators to communicate with unlicensed civilians over the air. During the 70's and 80's (although we hated to admit it) some of us did this on 11 meters. Today, the 27 MHz CB craze is long gone and there are now better ways to stay in touch with non-hams.

This article is the first in a series where we'll discuss how amateurs can communicate over the radio waves with friends, family members, co-workers and neighbors who don't have the time or temperament to study theory and/or code for an amateur radio technician, general or extra class license. The following is an introduction to the topics we'll discuss in more detail in the future. Please send your comments and questions about these subjects to N6MD@arrl.net and we'll respond to you in a future article.

**FRS (Family Radio Service)** -- Many people don't realize that those little \$20 radios that you buy in bubble packs at Costco, Target, Walmart and elsewhere are actually part of the Citizens Band Radio Services, authorized under FCC Parts 95.191 through 95.194. FRS was created in 1996 and operates on 14 prescribed UHF channels between 462.5625 MHz and 467.7125 MHz with an ERP of one-half watt or less using frequency modulation (F3E with filtering),

FRS is intended for use by family, friends and associates to communicate within neighborhoods and on group outings over a range of less than a mile. No license is required to transmit a half watt or less on the FRS channels 1 through 14 (unless you are a representative of a foreign government). FRS radios may not be connected to external antennas of any kind, power amplifiers or other apparatus or the public switched telephone network. Repeaters are not permitted on FRS channels. The history of FRS is an interesting story that we'll share in a later article.

**GMRS (General Mobile Radio Service)** -- Starting about two years ago, the FRS bubble pack radios on the shelves in the warehouse clubs and discount stores were slowly replaced by combination FRS/GMRS radios with more channels and a little more power on channels 1 through 7 and 15 through 22 (up to five watts permitted on an HT). What most buyers didn't realize

is that if they used any of the channels above channel 14, they were required to pay the FCC an \$80 fee for a five-year license, so there are now literally millions of people operating unlicensed GMRS radios in violation of FCC rules. This development was very unpopular with the GMRS community that had been conducting licensed operations for many years, because many foul-mouthed adolescents now began using GMRS frequencies without a license.

Authorized under FCC Part 95.1 through 95.181, GMRS permits the use of duplex operation and repeaters on eight specific channel pairs. It also allows external gain antennas (mobile or base) and a power output of up to 50 watts in a mobile or base station on the eight GMRS-only channels on 462.550 MHz through 462.725 (channels 15-22 on most combo radios). Licensed GMRS operators may also transmit 5 watts on the shared FRS/GMRS channels (1 through 7 on most FRS and combo radios).

Essentially, GMRS FM phone works and propagates just like FM phone on the 70cm (440MHz) amateur band, but generally has more restrictions than amateur radio, except that family business communications are permitted on GMRS. If you own a 70cm (UHF) ham repeater, it's often possible to retune it to work on GMRS (UHF) and vice versa.

**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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## ***Palomar Amateur Radio Club Inc.***

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**Dues \$18/yr or \$30/family/yr** (*includes newsletter subscription*)

**Editor:** Michelle Poirier W6MYP, 200 S. Emerald Spc51, Vista, CA 92081  
Scope address for newsletter submissions: **scope@palomararc.org**

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

Foothill Oak Elementary School, 1370 Oak Drive  
(corner of Oak and Foothill) in Vista. Talk-in will  
be on the 146.730 MHz repeater.



# Palomar Amateur Radio Club

Volume XXXIII No. IX

September 2005

**September Meeting**  
**Wednesday, September 7,**  
**7:30pm**

**Amateur TV**  
**(Fast Scan)**

**\*Note New Location\***

Foothill Oak Elementary  
School,  
1370 Oak Drive (corner of Oak  
and Foothill) in Vista.  
Talk-in will be on the 146.730  
MHz repeater.

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Repeater Site Update	9

## President's Message

In September, Kids and grand kids are going back to school and while it is still warm, it's time to prepare for the change of seasons (if you live above 3000 feet). The August meeting brought us a program on Transmitter Hunting, presented by Past President Stan Rohrer. By the time you read this, we will have probably consumed all of the goodies at the annual PARC Picnic and have found the hidden transmitter.

The September program will be presented by Art McBride, KC6UQH, and will be primarily about Amateur Television (Fast Scan). Once again, the General Membership Meeting will be held at: **Foothill Oak Elementary School, 1370 Oak Drive (corner of Oak and Foothill) in Vista.** Talk-in will be on the 146.730 MHz repeater. We expect to use this location for a few more months, while the Carlsbad Safety Center is

being remodeled.

Looking down the road: October will bring us the annual auction. Start getting you treasures and boat anchor ready for this fun event. The auction will be at the Foothill Oak Elementary School as well.

In November, we expect to return to the Carlsbad Safety Center, for a program on Power management and "Go Kits"

Another topic:

I recently had the opportunity to weigh in on the subject of HF antennas at private homes.

When dealing with neighbors, community groups and local councils, we must be diligent in responding to questions about amateur radio. Questions and public comments about PRB-1 antenna ordinance issues are an opportunity to



help amateur radio shine, but only if we measure our statements and responses to be certain that they are friendly, factual and show amateur radio in a positive light.

When you hear criticism of our hobby and equipment, please use tact and take the time to explain the benefits that we provide our communities.

I hope to see you all at the General Meeting on September 7th.

Steve Early  
President,  
Palomar Amateur Radio Club,  
Inc.

## Helping Hands

You may recall reading an announcement in last month's SCOPE from Lori Porter. She was asking for assistance on behalf of her father to put up an antenna as he could not do it himself. She extends her heartfelt thanks and appreciation to the folks who stepped up and are listed as follows:

AA7RE, George Porter  
of Oceanside. He is not able to do these kinds of things for himself, so some of

my great friends helped me put it all together for George. Without the help, George would not have been able to get on the air. This wonderful crew helped to make this a happy day for him and I am sure many more to come.

The antenna's are, Hf : Creative Design 730V-1: 10m thru 40m and a 2m ground plane.

(Continued on page 2)

( *Helping Hand* Continued from page 1)

His gear is a TS440 hf rig and an Icom IC2AT He has never been on 2 meters before. We are in need of a manual for the IC2AT.

George and his daughter Lori would like to thank all who helped to bring his station alive again.

This great crew was made up of :  
Tom KG6RCW  
Tony KG6SXY  
Norbert KJ6ZD



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Please check our complete ads in QST, 73, CQ, and World Radiomagazines.

## **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**

Sep 2 NCCC Thursday Sprint  
Sep 3 All Asian DX Contest, Phone  
Sep 3 Wake Up! QRP Sprint  
Sep 3 AGCW Straight Key Party  
Sep 3 IARU Region 1 Field Day, SSB  
Sep 3 RSGB SSB Field Day  
Sep 4 DARC 10 Mtr Digital Contest  
Sep 5 MI QRP Labor Day CW Sprint  
Sep 10 WAE DX Contest, SSB  
Sep 10 Swiss HTC QRP Sprint  
Sep 10 Arkansas QSO Party  
Sep 10 ARRL September VHF QSO Party  
Sep 10 North American Sprint, CW  
Sep 11 Tennessee QSO Party  
Sep 11 ARCI End of Summer PSK31 Sprint  
Sep 14 YLRL Howdy Days  
Sep 16 SARL VHF/UHF Contest  
Sep 17 ARRL 10 GHZ & Up Contest  
Sep 17 Scandinavian Activity Contest, CW  
Sep 17 Washington State Salmon Run  
Sep 17 North American Sprint, SSB  
Sep 18 QCWA Fall QSO Party  
Sep 24 CQ World Wide DX Contest, RTTY  
Sep 24 Tesla Cup, Phone, Sep 25, CW  
Sep 24 Scandinavian Activity Contest, SSB  
Sep 24 Texas QSO Party  
Sep 24 AAGCW VHF/UHF Contest  
Sep 25 UBA ON Contest, 6m  
Sep 26 QRP Homebrewer Sprint  
Wow! Really something for everyone this month. SSB, CW, RTTY, PSK, Homebrew. If you can't find something you like this month, perhaps contesting is not your bag. You can find complete rules in QST, CQ, NCJ, and Worldradio. CU in the contest! 73, Harry,

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## 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

ARES Info

ARES Net

Attendance

ATV

Auction

Badges New

Batteries

BBS Monitor

Billing:Ads/etc

Contest Info

Control Ops

Del Mar Fair

Emergency Com Centers

Harry

Dennis V

Field Day

Field Day Tech

Inventory

New Members

Nets

Newsletter

Patch Info

Patch Etronics

Picnic

Power AC/DC

Programs

Publicity

QSL Cards

RACES Info

RED Flag

Repeater Site

SANDARC

Seller Table

Asst.SW Div Dir TBD

Tech Site

Testing VE

Training

Trustee W6NWG

Web

Tony

Dennis S

Al

Art

Tom M

Al

David

Bill B

Lyell

Dennis V

filled

W6YOO

N6KI

TBD

John K

Dennis B

John E

Michelle

Stan R

Jerry H

Mark R

Mike P

Dennis B

Jo A

Steve

Michelle T

Jin /Steve

John K

Mike D

Rusty Massie AA6OM dunedancer@cox.net

KC6YSP

K7DCG@amsat.org

W6GNI@amsat.org

KC6UQH@amsat.org

KG6RGW@amsat.org

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N6KI@amsat.org

WB6IQS@amsat.org

KD6TUIJ@amsat.org

KG6EQU@amsat.org

Board Function

W6MYP@amsat.org

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WB6FMT@amsat.org

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W5NYV@amsat.org

NE6O/AD6VI

WB6IQS@amsat.org

AB6QT@amsat.org

W6NWG@amsat.org

AB6QT@amsat.org

www.Palomararc.org

## Net Managers

ARES Sun

Dennis

K7DCG

Ham Help Net

David D

KC6YSO@amsat.org

Hiking

Ed

KF6DXX@juno.com

Glenn P

KE6ZLY@juno.com

MARA

Glenn Jones

KG6JDF@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

Red Cross Net

Ted

tthompson@s darc.org

## Emergency Communications

### HF versus VHF for local Emergency Communications:

Recently, I was forwarded a request for information from a non-HAM reporter for the Reader.

### The question:

Is HF necessary for local emergency communications, or is 2 meters adequate?

This question was presented in regard to a controversial HF antenna at a private home in La Jolla.

This question caused me to stop, to think about it a bit, and to write out a response based on my experiences.

At the recommendation of another HAM, I am sharing most of this response with you.

### Response:

There is no simple face-value answer to which frequency band is better.

Both are needed in San Diego County.

While 2-meter communication is very effective in many areas and utilizes relatively small antennas, it is very limited by the Line-of-sight characteristics of the 144-148 MHz (Mega Hertz) frequency range.

Local amateur operators have done there best to mitigate this effect by building and maintaining mountain top relay radios called "Repeaters".

These repeaters help significantly in metropolitan area, but are always subject to environmental factors, such as 1) terrain, 2) fire, 3) particulate (smoke and soot)

and 4) electrical power availability.

1) Let's start with terrain:

Our repeaters on mountains, such as Palomar, Woodson, Otay, San Miguel, etc., cannot cover deep canyons, as found throughout both metropolitan and rural San Diego County.

There are even areas in Mission Valley, La Jolla (sea-ward side) that simply have no 2-meter coverage.

De Luz Canyon, in the north, and most of East County has similar issues.

2) Fire:

The repeaters owned and maintained by Amateur Radio Club of El Cajon, were literally consumed by the Cedar fire.

3) Particulates:

Particles in the air absorb or deflect radio waves at certain frequencies, due to the physical characteristics of the particles.

Smoke columns from wild fires significantly weaken and/or block 2-meter signals to and from a 2-meter repeater that would normally be visible to the naked eye.

I experienced this phenomenon on several deployments in support of the American Red Cross, including the Viejas, Pines and Cedar Fires.

4) Electrical Power availability:

All transmitters depend upon electricity in one form or another. A few repeater sites, such as the Palomar Amateur Club's site, are fortunate to have emergency power available in some form. Most are not.

During the Cedar Fire, all East County and most North County repeaters lost power.

These repeaters included the repeaters used by amateur operators, the US Forest Service, the Radio Amateur Civil Emergency Service (RACES), which augments law-enforcement and the County 800Mhz RCS trunked system.

This situation caused the remaining (and already overloaded) county 800 Mhz sites to be further impacted.

Due to active fire fronts and changing winds, it was far too dangerous to allow any work parties (with generators) onto the various mountaintops until the fires were completely out.

The functional loss of these repeaters had a significant impact upon safety for USFS, CDF and Law enforcement personnel. At one point, USFS and CDF utilized licensed amateur operators, through the Amateur Radio Emergency Services for point-to-point communications because their own system failed, and state resources were not adequate.

Howard White is a significant presence in San Diego ARES program. San Diego ARES is a program of the San Diego Section of the American Radio Relay League (arrl.org), which includes San Diego and Imperial Counties. Howard is the Secretary of SDARES, Inc and is instrumental in driving the program forward. During the Cedar and Paradise fires, the

(Continued on page 8)

# HAM RADIO OUTLET

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

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**rf CONCEPTS**  
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**OUTBACKER**  
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**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.

# SEPTEMBER 2005

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

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

## 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** 1900 147.130 Red Cross 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

**Tue/Thu/Sat** 2000 146.730 NTS Traffic Net (SDCTN)

## Goodie Givers



KG6RCW  
KD6TR

Tom  
Tom

## Club Membership

### New Members Joining PARC:

No New Members this past month.

The following 15 members have 5 or more years paid up membership:

W6YOO, W6JAC, N6NNI, KE6GNH, KI6RF, KT6UK, W6GDK, W6ABE, KD6RFQ, W6VR, AC6Q, N6VF, N6IE, W9FQN, AND KA6FPS.

Thank you!

Please be sure to check your SCOPE mailing label each month. Avoid the dreaded red "Last Issue" on your label. "Last Issue" means your membership expires within a few days.

We get a number of new members that download the application form from the club web site. This is great, and the web site is a good way to tell potential members about the club. Do you know our web address? Palomararc.org Think - Palomar Amateur Radio Club dot Org.  
Al  
W6GNI

## Last Month's Fold & Staple Crew



KR6BT Merle

KB6NKM Jo

KB6YHZ Art

Rich

W6GNI Al

W6YOO Harry

N6UZH Terry & Tyler & Matthew

&

Toby

KE6DUG

&

Kathy

## For Sale

**(8.1)** WTB a 40+' pushup pole in good condition... Please contact me: cstein6@cox.net or (858)349-9919 Charles KG6VVM

**(7.17)** FORSALE GENERATOR, \$100 COLEMAN POWERMATE, PULSE-PLUS-1750 ED, W6ABE 760-722-5155

**(7.17)** (1) Hy-Gain Dynamic Microphone Model # 610. \$30.00 OBO. (1) Realistic Stereo AMP. Model # SA-10. \$15.00 OBO. (1) Frequency-Counter Model # 711 115 VAC or 12VDC \$35.00 OBO.. Please Call Bayard K6GAO 858-755-5507. Thank You.

**(7.15)** Wanted: CQ Magazine for May 1959. Beg, Borrow, or Buy. Would consider entire year of 59 and possible older issues. Bob Byrnes ke6mtt "rbyrnes@pacbell.net"

**(6.27)** 300 Laser Movies, email for a list, first come first sold, \$7.00/each. Contact: Dennis K7DCG, 858-748-9046 or email K7DCG@AOL.com

**(6.25)** FOR SALE (1) UNIDEN BEAR-CAT SCANNER RADIO BASE Model # BC 890 XLT With antenna and Power supply for AC use. Asking \$100.00 or OBO. FOR SALE (1) UNIDEN BEAR-CAT SCANNER RADIO Model # BC 760 XLT Mobil With antenna and 12VDC Power Cord. Asking \$65.00 or OBO. Please Contact Bayard K6GAO at 858-755-5507.

**(6.20)** Test equipment including H/P 141 T Spectrum Analyzer, Parts including large spacing variable capacitors, Antennas, Antenna rotators, Tools and more from the Ham Shack of Jim, K6ML. Contact Art, KC6UQH for appointment to see. 760-758-6062 Evenings and weekends

**(6.20)** Tempo 2020 with matching VFO and Speaker, includes owners / service manuel and other related parts and cables. Asking \$275.00. Alf Pettersen WB6TAW 760.941-2428 or 760.519-9193 - appetter@sbcglobal.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**

**(6.25)** TOWER CRANK UP SELF SUPPORT 54', 4 ELEM 4 BAND BEAM, ROTATER W/CABLE, K0KOA HAGAR...619-698-7874

**(5.20)** For sale: Palomar Engineers LA-1 Loop Amplifier with Omega (10khz-40khz), LF (150khz-500khz), and BCB (500khz-1600khz) loops. \$200.00. (Other loops are available from Palomar Engineers) Bob, KY6P, 619-318-2217.

**(5.20)** Tempo S-2 (220 Mhz) Handheld with SS-32 PL & DTMF built in. With Charger \$50.00. Galaxy Electronics PR550 Phone Patch \$20.00. Panasonic KX-F155 Combo FAX/Answering Machine \$30.00. Texas Instrument TI-2000 AT Slim Line Laptop w/3.5 disc drive 20 Mg HD w/ac adaptor (ideal for portable Packet) \$20.00. Panasonic DT-680 Ci-Amp Music Center w/wireless remote control \$40.00. Panasonic (New-unopened) ST-C30 Super VHS Compact Video Tape \$2.00/ea. VHS (New-unopened) Compact Adaptors to Regular VHS, \$10.00. Yaesu FT-230R Two Meter mobile transceiver w/SS32PL \$50.00, Epson C60 Ink Jet Printer (New - unopened) \$60.00, Avenger 4000 Commercial Alarm System, 2 Sirens, Keypad, 8 PIR's, 1 sonic, \$100.00 OBO, 13 inch Sony Industrial color monitor Model PVM-1390 \$40.00, International Audio/Video Studio Processor for Duplicating \$50.00, Celestron C-8 Catadioptric Telescope w/heavy duty Tripod, numerous eyepieces including X2 Barlow Lens with planetary clock drive \$800.00. Contact Dennis K7DCG, 858-748-9046 or email K7DCG@AOL.COM

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## Note from the Editor

Just a quick note to let you know I will not be able to proceed as the Editor of the SCOPE. It has been a struggle with work and family obligations mounting more furiously this year and I just can't input the proper time that this position deserves.

It has been a pleasure being editor for the short time that I have been able to wear the hat.

I had informed the Board last month of my decision and agreed to publish the September Edition. Michelle Easton W5NYV has agreed to step up and temporarily volunteer until a replacement can be found. Please join me in welcoming her aboard.

So if you are interested in being the PARC SCOPE Editor, express your interest to any board member and I'm sure they will be glad to have you.

Thank you for your many articles and inputs for your newsletter. I couldn't have done it without you.

Michelle Poirier  
W6MYP

## Web Pages

### PARC's Home Page -

<http://www.palomararc.org>

### Rod's - AC6V

<http://www.ac6v.com>

### ARES Alert Publication

<http://sanarrrl.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/wfeidt/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>

**Rod, AC6V**

### Treasurer \$\$\$

**Jo Ashley KB6NMK@amsat.org**  
**June 30, 2005**

Checking	\$521.62
CD	\$2,739.17
CD	\$3,458.48
CD	\$2,893.61
CD	\$2,893.44
Post Office	\$98.51
Total	\$12,604.98
Pre-paid Dues	\$6,962.00
Property Ins.	\$2,400.00
Total	\$9,362.00
Equity	\$3,242.98
Total Liabilities & Equity	\$12,604.98

## PARC Testing

Carlsbad - 2nd. Saturday at 9:30 am in the Fire Station @ the Carlsbad Safety center.

### Contact - Rusty Massie

AA6OM  
760-747-5872  
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

*(EmComm Continued from page 4)*

Palomar Amateur Radio Club was able to access the PARC repeater site on Mt. Palomar and keep its repeaters on the air. This, in spite of the fact that the entire area lost power and was preparing for evacuation.

However, much of the time, the PARC repeaters were not accessible to the southern half of the county due to soot and smoke from the Paradise Fire.

Another limitation on 2-meter operations is that there are no more frequency pairs available to add 2-meter repeaters in San Diego County. This means that we cannot place additional 2-meter repeaters to mitigate known deficiencies. High Frequency (2-30 MHz) considerations: All these environmental factors left only High Frequency as a 100% reliable communications medium. For all intents and purposes, HF is not significantly affected by the environmental factors that tend to paralyze 2-meter operations.

In the 2 Mhz range, HF is terrain following, out to a few hundred miles. This means that the signal hugs the surface of the earth, including into deep canyons. The drawback is that an efficient antenna needs to be roughly 1/2 wavelength, or 80 meters (263 feet) tall. In the 30 MHz range (10-meter) it starts to take on the characteristics that affect 2-meters, and is affected by sunspot activity.

Howard White elected to compromise and seek a mid-range antenna (40 Meter, 7 MHz) that would utilize sky-wave propagation. While this style antenna is ideal for long distance communication, as Howard's neighbors point out, it is also relatively effective in getting into local areas not covered by existing 2-meter repeaters. A large system, like Howard's is necessary to communicate with relatively inefficient Mobile HF stations that are deployed to the field, when 2-meter/VHF communications are inadequate.

In summation:

While 2-meter operation appears to be more popular for mobile and portable communications because it is more compact, it is not extremely reliable.

HF, while extremely reliable, is not readily adaptable to efficient mobile operation. In addition, HF requires a higher level of skill and licensing than 2-meter operation, so fewer qualified operators are available.

Personally, I found the inadequacies of 2-meter operations so great that I obtained my Amateur Extra License (the highest level in the United States) specifically so that I could support local emergency communications on High Frequency. I have no personal interest in long distance or recreational communication. I only want to communicate with persons close enough to bring help.

I am one of the many in-the-field operators that rely on fixed site operators, such as Howard White, to relay whatever emergency or priority messages, I may have, for such agencies and organizations as The San Diego/Imperial Counties Chapter of the American Red Cross, California Department of Forestry and Fire Protection, Local Law Enforcement, the various Community Emergency Response Teams (CERT), etc.

Simply stated, "Both HF and 2-meter communication systems are needed for emergency communications in San Diego County".

Please see the PARC Web Site, at [www.palomararc.org](http://www.palomararc.org), and consider attending one of our meetings, such as the March Meeting, which will be titled "I have my License, now what?"

This presentation is geared to give new and prospective amateur radio operators a snapshot of each of the major facets of Amateur Radio.

In addition, every June, we hold an emergency communications practice event, sponsored by the American Radio Relay League ([arrl.org](http://arrl.org)), called Field Day. This is a 24-hour operation under primitive "emergency" conditions.

We had around 100 participants at our site next to the San Marcos City Emergency Operations Center this year, and are looking for a larger group next year. Both venues would be a good opportunity for you, and others, to learn of the support the local amateur radio operators provide to the San Diego County Communities, with particular respect to emergency communications and disaster response.

Sincerely  
Steve Early  
AD6VI  
President.  
The Palomar Amateur Radio Club, Inc.

## Repeater Site Update

Attending the August 6th Repeater Site Work Party were Mike Riber, Mary Meade KG6ZLW, Dave Huhta N6EEG, Bob Faulkner AC6JG, Dennis Baca KD6TUJ, and Michelle Thompson W5NYV. This work party was quite eventful.

Autopatch repeater board was put back into the system. Autopatch interface board was swapped. Autopatch tested, no audio to repeater. Receiver was selected as the next area of investigation.

Weed whacking was done by Bob and Mary, with only Minor injuries reported! Battery Maintenance by Mike Riber. 2.5 gallons of distilled water added to the batteries. Voltage levels OK.

Tower map shown and recording made. Watch a web version of this video recording at the following internet address:  
<http://www.delmarnorth.com/videos/RepeaterSiteReport6August2005.wmv>

Fan in main repeater building was not coming on as expected. Mike Doyle was contacted.

Generator oil was changed by Dave. Generator was run.

Extremely large black widow spider with egg sack was sprayed ruthlessly with insecticide. This was the largest black widow spider that I had ever seen.

Thunderheads rolled in at 12:15pm. A lightning strike at 12:30, which Bob and Dennis heard, started a small fire.

George E. Lucia Sr., Fire Chief of Palomar Mountain Fire Department, wrote the following account about this fire.

"Today at about 12:30, lighting struck on the La Jolla reservation on the North side of the 76 across from the race track. Smoke was soon visible and a full wild land fire response was dispatched.

The fire was located in a steep and rough area that was inaccessible to vehicles. Helicopters from CDF, USFS, San Diego Sheriffs and San Diego Fire were soon dropping water on the fire as fixed wing bombers dropped retardant to slow the spread of the fire.

Palomar Mountain Fire Department proceeded to the areas just above the spreading fire to confirm that the few homes in this area were evacuated and to evaluate what would have to be done to protect the structures. The area by the Ravenscroft's and above on East Grade were of concern.

The fire progressed fairly rapidly up the steep grade, but because the area was previously burned by the La Jolla fire in 1997, the fuel was light, there was no wind and the humidity was high today, the burn rate of the fire was slow.

The fire was contained by about 6 PM and kept to about 6 acres. Hand crews will continue to work through the night to

monitor and extinguish any hot spots.

Just a note: The home in the area were in good shape. The Ravenscroft's and their neighbors have done a tremendous job of making their homes and property fire safe."

A follow-up work party occurred August 17th. An old generator case, destined for the scrapyard, was taken by a club member for use on their property.

Battery voltage levels and water levels were checked.

Generator was checked and run.

Autopatch investigations continued. The receiver was ruled out as a problem. Three of the five repeater autopatch boards were determined to be most likely at fault and were taken back down the mountain for troubleshooting. The remaining two boards are working as designed. Autopatch calls can now be made on the 146.730 and 447.000 machines. Please report any difficulties with these two autopatch frequencies to any club officer.

The next regularly scheduled repeater site work party will be Saturday, September 10th, 10am-12pm. Optional - Meet at 9am at Mother's Kitchen for breakfast, socializing, and pre-planning session.

Where: Meet at Mother's Kitchen restaurant at 10am if you don't know the way to the repeater site. Bring water, sunscreen, bug spray, and whatever else you think you will need. There is no running water or toilet facility at the repeater site.

Work may include raking, shoveling, organizing, troubleshooting, planning, pounding nails, hauling stuff away, thinking, pondering, talking, lifting, pushing, pulling, and other organized chaos. Work may be inside one of the buildings or outside on the site, but generally work parties will concentrate on one or the other as to not get in each other's way.

Volunteering for a work party is worth two participation points to the club. Volunteering your time to help maintain the repeater site is greatly appreciated as it makes a huge difference to the vitality and effectiveness of our local amateur radio community.

Contact Michelle [w5nyv@amsat.org](mailto:w5nyv@amsat.org) for more information.

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# Scope

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## ***Palomar Amateur Radio Club Inc.***

**Scope (USPS #076530) Vol. IX No.9, *September, 2005***, published monthly by PARC  
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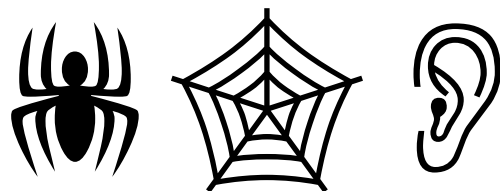
**Editor:** Michelle Poirier W6MYP, 200 S. Emerald Spc51, Vista, CA 92081  
Scope address for newsletter submissions: **scope@palomararc.org**

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

Foothill Oak Elementary School, 1370 Oak Drive  
(corner of Oak and Foothill) in Vista. Talk-in will  
be on the 146.730 MHz repeater.







## October Club Events

### W5NYV

terrenus scriptor

It's October, and that means it's auction time. Come to the General Meeting on October 5<sup>th</sup> and join the fun! Christy Martin writes, "Any radio item new or used, working or not (boat-anchors included) will be tagged with the seller's information. Both buyers and sellers will register prior to the meeting. Please plan on arriving early to get a look at the auction items. Hams interested in bidding on items will be given a numbered card to hold up on items they would like to place a bid on. Art McBride KC6UQH will be the Man of the Hour® and Auctioneer for the evening. Be prepared to be entertained with interesting stories and trivia know only to the ham world. Any further questions can be directed to Tom Martin - KG6RCW, rbg4@aol.com." A suggestion heard at the September meeting: put those address labels you get in the mail to good use by bringing them to the auction. Instead of writing your name over and over, use the stickers instead. Room set-up starts at 6:00. As soon as the room is set up (shortly after 6:00): sellers sign in and tag equipment. Bring your stuff early! 6:30 to 7:00: buyers

*continued on page 2*

## President's Message

### Steve Early AD6VI

PARC President 2005

We all have seen pictures the devastation caused by Katrina on the Gulf Coast. Many of us want to help, and have asked what role amateur radio is really playing in the relief efforts. I am fortunate to have heard from two PARC members that have been deployed, Mary Meade KG6ZLW of Valley Center CERT and Sara Jones, KG6TUK, a PARC Member and San Diego/Imperial Counties ARC Volunteer. MARA was deployed to Alabama to support FEMA and Sara was deployed to the Gulf Coast to coordinate Red Cross efforts with other agencies and organizations. I think it best to let you read Sara's words on the amateur radio presence.

"Steve, Here are my thoughts and perspectives on the amateur radio presence in the Gulf Coast. It's more than a paragraph but I hope it helps.

When I first arrived at the American Red Cross headquarters in Montgomery, AL, my time and energy were occupied with getting up to speed and fully engaged with the Partner Services group and its activities. After a couple of days, I looked up and against the far wall, the ARRL ham radio group was also gearing itself up. At first, there was a single hand written poster announcing their presence and then after a few days came the bold and reassuring ARRL banner. The equipment had been there since the beginning, but folks at headquarters were just coming to notice their presence. Soon a flyer came around announcing the arrival of 4 of the 9 Emergency Communication Response Vehicles (ECRV) that some of you may recall being introduced to when Bob Birch did his presentation for PARC on the American Red Cross. These ECRVs, strategically positioned were ready to take and relay emergency traffic from Montgomery, AL to anywhere along the Gulf Coast. They had a schedule of when they would receive traffic and we were to ready our messages for those times of the day. I was impressed by this organization and happy to have them on board at the headquarters. Then, just as Ophelia was raising her ugly head and threatening to run the same path as Katrina, came the

*continued on page 3*

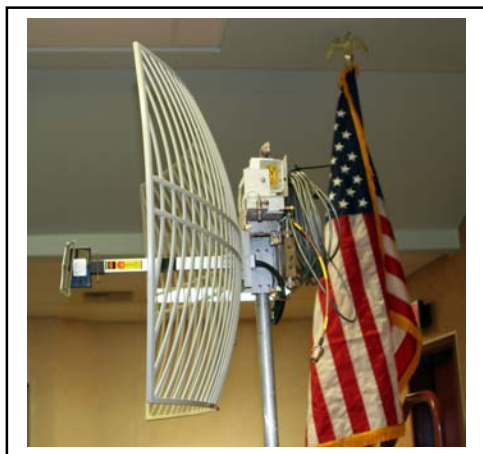
## INSIDE THIS ISSUE

- 1** President's Message, Club Events and Reports
- 3** Newsletter Challenge and Contest Calendar
- 5** Current Needs in the Club
- 6** BPL Update – SDG&E's Pilot Project
- 7** Club Classified Advertisements Page
- 9** SET Report and Microwave Update Preview

register (required!) and view the offered equipment. If you have questions about an item, this is the time to ask it. Inspect equipment before the auction so you know what you are bidding on (write its auction number down!) Auction begins at 7pm. PARC receives 10% of the sale price and there is no other fee for buyers and sellers. Donations to PARC are accepted. All monies are paid to PARC. Seller(s) may set a written minimum bid on their items. Seller is responsible for removing any item(s) not sold. PARC does not guarantee the condition of any item sold. You don't have to be a PARC member to participate in the auction, so invite your friends to join in on the fun. Sellers will not be paid their money until all monies have been collected that evening, so bring a Self Addressed Stamped Envelope if you want the check mailed to you the next day, or pick it up at the next club meeting.

### September Program Review

Art McBride hosted our September 7<sup>th</sup> Program "ATV and Microwave" at Foothill Oaks Elementary. Using a projector for both still photographs and a short video,



he outlined the basics of the current state of the art (pun intended) in Amateur TV. The second half of the program was show-and-tell microwave portables, presented by their proud owners and operators.

### Annual Post Office Information

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Printed October 2005 issue of SCOPE

(Mailed Sept. 2005) Signed: A.L. Donlevy Publisher 09/28/2005

### Work Party Announcement

The next regularly scheduled repeater site work party will be Saturday, October 8th, 10am-12pm. Optional - Meet at 9am at Mother's Kitchen for breakfast, socializing, and pre-planning session. This work party will focus on the tower and a selected few antennas and feedlines that need refurbishment. Progress on packet and autopatch continues with all autopatch repeater boards except the "Backup board" passing functional tests. Special thanks to Jerry Houser WB6FMT for his assistance with the autopatch board-level tests. Volunteering for a work party is worth two participation points to the club. Volunteering your time to help maintain the repeater site is greatly appreciated as it makes a huge difference to the vitality and effectiveness of our local amateur radio community.

### Message from Steve Early

October has arrived, with it comes annual events such as Halloween and the annual PARC Auction! This year, the auction will be held at our temporary meeting place, Foothill Oak Elementary School, 1370 Oak Drive (corner of Oak and Foothill) in Vista, on Wednesday, October 5th. Talk-in will be on the 146.730 MHz repeater. This is a prime time to introduce a friend to Amateur Radio. Auctions are always fun for everyone. Looking down the road: In November, we expect to return to the Carlsbad Safety Center, for a program on Power Management and "Go Kits", as presented by Marvin Munster. 🍷

## NEWSLETTER CHALLENGE

Hidden somewhere in this newsletter is a code. It has something to do with amateur radio, or amateur-radio-related activities. It could be numerical, literal, or symbolic.

Crack the code correctly, and you will be credited in next month's SCOPE! Got a photo to submit for a Photo Challenge?

Let us know!

scope@palomararc.org 📧

## CONTEST CALENDAR

Oct 1 TARA PSK Rumble  
Oct 1 Oceania DX Contest, SSB  
Oct 1 EU Autumn Sprint, SSB  
Oct 1 California QSO Party  
Oct 2 UBA ON Contest, SSB  
Oct 2 RSGB 21/28 MHz Contest, SSB  
Oct 3 German Telegraphy Contest  
Oct 5 YLRL Anniversary Party, CW  
Oct 5 432 MHz Fall Sprint  
Oct 6 SARL 80 Mtr QSO Party  
Oct 8 Makrothen RTTY Contest  
Oct 8 Oceania DX Contest, CW  
Oct 8 EU Autumn Sprint, CW  
Oct 8 Pennsylvania QSO Party  
Oct 8 FISTA Fall Sprint, CW (or course)  
Oct 9 North American Sprint, RTTY  
Oct 9 UBA ON Contest, CW  
Oct 10 10-10 Int'l Sprint  
Oct 14 YLRL Anniversary Party, SSB  
Oct 15 JARTS WW RTTY Contest  
Oct 15 Microwave Fall Sprint  
Oct 15 Worked All Germany Contest  
Oct 16 Asia-Pacific Fall Sprint, CW  
Oct 16 RSGB 21/28 MHz Contest, CW  
Oct 16 Illinois QSO Party  
Oct 22 ARCI Fall QSO Party  
Oct 22 50 MHz Fall Sprint  
Oct 29 CQ WW DX Contest, SSB  
Oct 29 10-10 Int'l Fall Contest, CW  
Oct 30 FISTS Coast to Coast Contest  
Wow! What an array on contests. CW, PSK, RTTY, SSB, Six Meters, 70 Centimeters. What more could One ask for? For complete rules see QST, CQ, NCJ, And Worldradio magazines. CU in the contest, 73, Harry, W6YOO 📧

*Continued from page 1*

message from the national weather service that the solar flares would be the strongest in history over the next 2 – 14 days. We were already having a difficult time with cell phones and what not but that was not going to deter the operators. They had a plan and they were ready to adapt if necessary and do what was necessary to make sure that there were communication lines open 24/7, and as often as nature would allow.

When I was reassigned to the Gulf Coast, I watched the ham radio operation in action from a different perspective. Radio operators out of Indiana or Idaho had been tasked to set up shop outside the headquarters in southern Mississippi. The silver bullet of a communications vehicle, an old RV turned mobile rig, had a satellite dish and was transmitting messages along the Gulf Coast and back up to Montgomery. Operators in familiar yellow polos had light weight laptops with down-to-the-detail exact topographical maps of the disaster area and the repeater locations and were helping not only to transmit traffic, but sharing with the volunteers the safe ways to travel and those to avoid, because they made it their business to know. These operators were essential in many areas because the devastation was so complete that it would be weeks before phone lines or cell towers were back up. The American Red Cross volunteers, assigned to be in the field, were able to have when they needed it, an ARES member 'on their hip' to follow them around through the devastated areas and relay the traffic back to the southern headquarters and then out again to where it needed to go. It was impressive to me, as a relatively new operator, to see this kind of essential, up-to-the-moment communication happening at such a high caliber of skill and professionalism.

Beyond what amateur radio could and was doing for the relief operation, I was grateful for the presence of amateur radio on a different level. When I first left San Diego, I was not sure where I was to be assigned and Dennis (N6KI) and Harry (W6YOO) gave me the frequencies to look out for while down in the devastated areas, should I need them. Of course, my handie talkie would only get me so far, but in that lies the motivation to get my General license! Once I was leaving a relatively unaffected Montgomery and heading to the area where Katrina made land fall, it was very reassuring for me to be able to go over to the ARRL table, give the gal behind the rig my call sign and that of Bob (KG6RGI) and Tom (KG6RCW) here back at home and ask her should anything happen to me to get hold of these two gentlemen and they'll help however they can. Priceless.

I am very grateful that I have been introduced to the world of amateur radio and to know that there is a community of people around the nation – and the world - that is at the ready to be there when that call is made or to make the call. I am also blessed for all of you in the San Diego area, no matter your amateur affiliation, and all of the work that you do and the mentoring that you give me and others so that that community of amateur communicators grows and thrives. Thank you.

73 Sara Jones KG6TUK" 📧



# Nets



## Regular On-the-Air Nets sponsored by the Palomar Amateur Radio Club.

DAY	TIME	FREQ.	NET NAME	NET MANAGER CONTACT INFORMATION
T/R/S	2000	146.730	NTS Traffic Net	Charles N6TEP cmiele@juno.com
Sunday	0830	146.730	ARES Sunday Net	Dennis K7DCG
Sunday	1000	146.730	Sailor's Net (stay tuned)	Paul NN6X@amsat.org Rod AC6V@amsat.org
Sunday	2045	147.075	MARA ES	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 tthompson@sdarc.org
Tuesday	2100	146.730	Off-Road Net	Jerry A. K6PFP jwak6pfp@cts.com Dick W. KA7AYT rwillimek@home.com
Thursday	1930	147.075	Young Hams Net (inactive)	
Thursday	2100	146.730	Ham Help (need ops)	David D KC6YSO@amsat.org
Friday	2100	146.730	Hiker's Net	Ed KF6DXX@juno.com Glenn P. KE6ZLY@juno.com
Nightly	>2200	147.130	Facetious Group	
Saturday	2000	52.680	6Mtr Emergency Services Net (inactive)	

## Other nets that might be of interest to the membership

DAY	TIME	FREQ.	NET NAME	NET MANAGER CONTACT INFORMATION
Mon-Fri	2000	28.340	10 Meter Net	Dennie WA9MTP

## Net Participation Tracker – A convenient form for participating in PARC nets

NET	DATE	NOTES

## Repeater Information

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  
 +145.070/146.700- (W6NWG-3/PALBBS)  
 ATV input: 915 wbfm, 2441.25 wbfm  
 ATV output: 1241.25 MHz am  
 Intercom: 146.415 PL 79.7 nbfm  
 Affiliated: 224.380-, 224.940 KK6KD (HARS)  
 447.050-, 145.260 KK6KD (HARS)  
 146.175+ N6FO (Fallbrook ARC)  
 Linked to: 445.600-, 224.900- WD6HFR  
 (Corvair/220 ARC), 446.140- WB6FMT (123.0)  
 Vista **tunder repair \* 107.2 Hz PL Tone**

## License & Class Information

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

☛ PARC Testing is in Carlsbad on the 2<sup>nd</sup> Saturday of the month at 9:30am in the Fire Station at the Carlsbad Safety Center.

Contact Rusty Massie AA6OM at 760.747.5872 or  
 dunedancer@cox.net.

☛ EARS Testing is in Escondido on the Last Saturday of the month at 9:00 am at Fire Station #1 Escondido Fire Department. The address is 310 North Quince Street, Escondido CA 92025.

Contact Harry W6YOO 760.743.4212 or W6YOO@amsat.org.

☛ "The ARRL Technician Class Course for Ham Radio Licensing" Course No. EC-010 \$99 ARRL members / \$139 non-members. Courses begin on the first and third Tuesday of each month. For more information, email cce@arrl.org or via regular mail to ARRL CCE, 225 Main Street, Newington, CT 06111.

## PARC 2005 BOARD

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 (760) 742-1573 AB6QT@AMSAT.ORG

(handles billing for advertisements in SCOPE). Del Mar Fair participation Chair. 2006 Field Day Chair. Newsletter editor. Publicity Chair. QSL card Chair. Ham Help Net Operators. And, an assistant southwest division director.

We are actively seeking people for these positions. If you or someone you know has expressed interest in getting more active in amateur radio, these positions are excellent ways to fulfill that wish! ☛

## CURRENT NEEDS

Volunteers are needed for the following club positions. Billing Chair

# HAM RADIO

Tom KM6K  
 Ron N6OMW  
 Jose XE2SJB  
 Bob KA6EKT

H  
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**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.

**Directions:** On 163, take **Clairemont Mesa Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stoplight. As you are turning right you can see our beams in this 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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### **Fold and Staple Crew**

Last Month's Fold & Staple Crew KR6BT

Merle, KB6NMK Jo & Toby, W6GNI Al & Kathy,  
and W6YOO Harry. Thank you so much for  
your help!

### **September Goodie Givers**

W6YOO Harry, KI6AOL Christy, KG6RC Tom

### **Meeting Attendance**

September Meeting 2004 57

September Meeting 2005 68

## **BPL Update**

### **W5NYV**

San Diego Gas & Electric has not, at this time, applied to be a BPL provider in San Diego County. However, they are running a pilot project in their Kearny Mesa office (zip code 92123) in order to test the BPL equipment for utility applications. The frequencies of the operation are 2.5 MHz - 38 MHz. The pilot project involves only SDG&E employees and began August 31, 2005. This pilot project has a working group. One of the members of this working group is the ARRL, represented by Jim Stevenson.

The manufacturer and type of Access BPL equipment and its associated FCC IDs are as follows. PLC Access

Node (90-0005-XXX)

Verification in progress. PLC CPE Modem (56-001X-XX) Verification Process by third-party laboratory. Device complies with FCC Part 15 Rules. All other components are not subject to FCC verification and certification.

The contact information of the person responsible for facilitating the resolution of any interference complaint is Terry Snow, phone: (858) 654-1296, email [bplpilot@sdge.com](mailto:bplpilot@sdge.com)

EE Times reported September 12<sup>th</sup> "San Diego Gas & Electric said in late July that it would begin a small pilot project this month, using broadband access internally in its Kearny Mesa, Calif., office to test internally a data service that it might later offer to customers." However, Terry Snow, in an email, described this information as incorrect. ☹

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*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](mailto:SCOPE@PALOMARARC.ORG)*

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

(9.13) Ham-friendly property FOR SALE. [www.pettus.us](http://www.pettus.us)

(9.12) FOR SALE Cubic Astro 150A fix or mobile 10-80m SSB 100w PEP with DS and Manual \$250.00. Kenwood 2m transceiver Model #TR-7330 5-25w w/auto patch mic MC-46, ARX 2m ant, manual \$150.00. Astro PS7A w/manual \$25.00. Cubex 4 el Quad 30' boom w/Quad arms, fiberglass spreaders, instruction manual \$100.00. Shure mic w/stand ptt \$20.00. Heathkit phone patch model #HD 15 w/manual \$25.00. Remote ant SW motor driven 6-position coax w/control box \$100.00 Dummy load 1kw +/- \$10.00. Fluke multimeter model #77 w/manual \$65.00. Brak-D-Lay for Hy-Gain rotor w/instructions \$15.00. Contact Kris W6KTE (760) 941-3555

(9.10) WANTED: for the Crest Radio Museum. BOATANCHORS!!! Also need a Heathkit SB-101/102, RX-1/TX-1, VF-1 and DX-100. Operating condx not a problem. Desperately need the following 2-meter radios to complete the collection: Icom IC-20, Trio TR-2E & TX-26, Sonar CD-2, WRL Techciever, Robert Dollar 2M, Kenwood TR-2300 & TR-7100, Tempo FMA Anyone have these and would like to part with them? Contact WA6MHZ at [wa6mhz@arrl.org](mailto:wa6mhz@arrl.org) or Landline (619) 593-1111

(8.1) WTB a 40'+ pushup pole in good condition... Please contact me: [cstein6@cox.net](mailto:cstein6@cox.net) or (858)349-9919 Charles KG6VVM

(7.17) (1) Hy-Gain Dynamic Microphone Model #610 \$30.00 OBO. (1) Realistic Stero AMP. Model #SA-10. \$15.00 OBO. (1) Frequency-Counter Model #711 115 VAC or 12 VDC \$35.00 OBO. Please call Bayard K6GAO (858) 755-5507. Thank you.

### **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 160m).

**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" dia. \$15+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.



W6NWG – top of tower

(7.15) Wanted: CQ Magazine for May 1959. Beg, Borrow, or Buy. Would consider entire year of '59 and possible older issues. Bob Byrnes KE6MTT email [rbyrnes@pacbell.net](mailto:rbyrnes@pacbell.net)

(6.27) 300 Laser Movies, email for a list, first come first sold, \$7.00/each. Contact Dennis K7DCG, (858)748-9046 or email [K7DCG@AOL.com](mailto:K7DCG@AOL.com).

(6.25) FOR SALE (1) Uniden Bearcat Scanner Radio Base Model #BC890XLT with antenna and Power Supply for AC use. Asking \$100.00 OBO. FOR SALE (1) Uniden Bearcat Scanner Radio Model #BC760 XLT Mobile with antenna and 12 VDC Power Cord. Asking \$65.00 OBO. Please contact Bayard K6GAO at (858) 755-5507.

(6.20) Test equipment including H/P 141 T Spectrum Analyzer, Parts including large spacing variable capacitors, Antennas, Antenna rotators, Tools and more for the Ham Shack of Jim, K6ML. Contact Art, KC6UQH for appointment to see (760) 758-6062 Evenings and Weekends. 📻



KF6C Presenting at September Program

# Committee Chairpersons

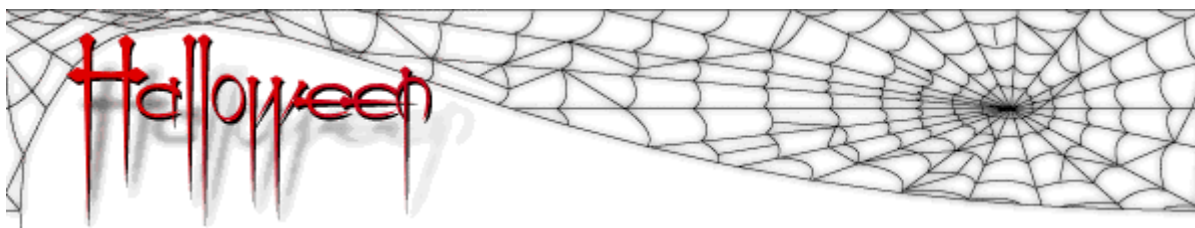
ARES Info	Tony	KC6YSPa
ARES Net	Dennis S.	K7DCC@amsat.org
Attendance	Al	W6GNI@amsat.org
ATV	Art	KC6UQH@amsat.org
Auction	Tom M.	KG6RCW@amsat.org
Badges New	Al	W6GNI@amsat.org
Batteries	David	BK6EBYDAT@Gerry.Palomar.caltec
BBS Monitor	Bill B.	N6FMK@amsat.org
Billing Ads/etc	needed!	K6GVM@arrl.net
Contest Info	Dennis V.	N6KI@amsat.org
Control Ops	Filled	W6NWG@amsat.org
Del Mar Fair	needed!	
Emergency Com Centers	Harry	W6YOO@amsat.org
	Dennis V.	N6KI@amsat.org
	needed!	
Field Day	John K.	WB6IQS@amsat.org
Field Day Tech	Dennis B.	KG6TUJ@amsat.org
Inventory	filled!	TBA
New Member	PARC	Board@palomararc.org
Nets	needed!	W5NYV@amsat.org
Newsletter	Stan	W9FQN@amsat.org
Patch Info	Jerry H.	WB6FMT@amsat.org
Patch Electronics	Mark R.	KF6WTN@amsat.org
Picnic	Mike P.	K6MRP@amsat.org
Power AC/DC	Dennis B.	KG6TUJ@amsat.org
Programs	needed!	
Publicity	needed!	
QSL Cards	Jo A.	KB6NMK@amsat.org
RACES Info	Steve	AD6VI@amsat.org
RED Flag	Michelle	W5NYV@amsat.org
Repeater Site	Mike D.	AB6QT@amsat.org
Repeater Tech	Jin/Steve	NE6O/AD6VI
SANDARC	John K.	WB6IQS@amsat.org
Seller Table	needed!	
Asst. SWD Dir	Rusty	dunedancer@cox.net
Testing VE	Mike D.	AB6QT@amsat.org
Training	Mike D.	AB6QT@amsat.org
Trustee	Paul W.	www.palomararc.org
Web		



300 ft. microwave tower, owned by amateur radio operator AD5T in Mississippi.







## 2005 ARRL SET Report

*Section Emergency Test was held 20 August 2005*

### **W5NYV**

On Aug 20th, Tuck NZ6T (Section Emergency Coordinator) kicked off the Section Emergency Test (SET) at 7AM from the Elks lodge EOC in El Cajon. The scenario presented was that a 7.1 magnitude earthquake had heavily damaged San Diego and Imperial counties, with many bridges out and roads blocked. Respondees were directed to go to either the Lyons Peak 146.265 or Palomar 146.730 repeaters to find out how they could help and where they were to report. Authentic-sounding traffic was passed to participants who responded from their homes, as no one was pre-staged for this event. Almost 30 hams participated in the SET. By comparison, there were approximately 80 ops for the Cedar fire. During the drill, additional personalized scenarios were developed for participants. These additional roadblocks were used to engage individual problem-solving skills. In particular, one ham was advised that his tower had just collapsed. Another ham was told that his car battery had died. His very fast reply was "I just hooked jumper cables to the car beside me." As you can imagine, the response from the ham whose tower had collapsed was somewhat unprintable in a family publication!

Although the purpose of the SET is similar to Field Day, there are some important differences. Where SET relies upon mobiles and portables with little utilization of HF, Field Day involves setting up in a "field" and is primarily a HF contest. SET contacts are highly regionalized, while Field Day contacts span the entire nation (and Canada too). SET may not exceed 48 hours. Field Day is always the fourth full weekend of June. It begins at 1800 UTC Saturday and ends at 2100 UTC Sunday. Both operations are extremely worthwhile practice opportunities for emergencies. 📡

## Microwave Update

*A Comprehensive Microwave Conference to be held in Cerritos, CA 27-30 October 2005*

### **W5NYV**

Article sourced from Microwave Update website

The agenda for the upcoming conference "Microwave Update" includes technical talks, swap meets, a Goldstone Deep Space Tracking Tour, and a banquet.

Thursday October 27 is the Goldstone Deep Space Tracking Complex tour. Pre-registration is required for this exclusive MUD-only event. Deadline is September 30. If have already registered and you would like to go on this tour, please send an e-mail to [mud-2005@ham-radio.com](mailto:mud-2005@ham-radio.com) An informal Surplus Tour will also run on Thursday. Meanwhile, Family Activities will be held, including tours, outlet mall shopping and coffee gatherings.

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*Event website <http://www.microwaveupdate.org>*

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Technical forums and presentations dominate the schedule of Friday, October 28. World-renowned microwave hams will present a wide range of topics from the latest EME experiments and getting operational on the upper microwave bands to practical solutions and scrounging surplus parts for microwave band rigs. In the evening, there will be a microwave swap and trade meet indoors.

The world-famous TRW Swap Meet occurs early Saturday morning, October 29th. Since you are already in the neighborhood, you may as well stop by to see what the buzz is all about. The WSWSS yearly meeting will begin in the morning while the TRW Swap Meet is going on. MUD Technical talks continue, with the MUD Banquet in the evening. Dr. Bill Weber N6CI, Director of Interplanetary Network NASA/JPL, will present "Solar System QRP with NASA's Deep Space Network." 📡

Palomar Amateur Radio Club  
P.O.Box 73  
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We're on the web! Find us at [www.palomararc.org](http://www.palomararc.org). See the newsletter in COLOR! Check out sets of PHOTOS!

## About our Newsletter

Scope (USPS #076530) is published monthly by the Palomar Amateur Radio Club 1651 Mesa Verde Drive, Vista, CA 92084. Periodicals postage paid at Vista, CA 92085. Dues are \$18 per year or \$30 per year for a family. Dues include a subscription to Scope. Editor: Michelle Thompson W5NYV.

Submissions: [scope@palomararc.org](mailto:scope@palomararc.org)

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

## About our Organization

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, sailing, 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

## Meeting Location and Time

Monthly General Meetings are held at Foothill Oak Elementary School, 1370 Oak Drive (corner of Oak and Foothill) in Vista on October 5, 2005 (the first Wednesday of each month). Talk-in on 146.730 MHz repeater. This month will feature our annual auction. **Meeting starts at 1800 for sellers, 1830 for buyers.** Ridesharing and coordinating for dinner beforehand often occurs on the repeater on Wednesday afternoons. Everyone is welcome!



## November Club Events

### W5NYV

terrenus scriptor

Al Donlevy W6GNI reports: New Members Joining PARC include KG6ZMC, KG6ZMB, W6YAK, KG6QHP, KG6WGM.

Be sure to greet these new members when you see or hear them on the repeaters. In addition, we had 2 reinstatements, and ONE two-year renewal.

Worry about the time it takes for the deposit of your membership check? We pick up mail from our Post Office Box at least once a week, and the membership list is updated at that time. Checks are generally deposited soon after the monthly club meeting. (Your chance to "play the float!" Please be sure to check your SCOPE mailing label each month, you may find your expiration date has been updated, even before your check has cleared. Especially watch for the Green "Please renew now" and avoid the dreaded Red "Last Issue" on your label. "Last Issue" means your membership expires within a few days.

### Treasurer's Report for August 2005

Assets

Cash and Bank Accounts

BoA checking 1,647.23

*continued on page 2*

## President's Message

### Steve Early AD6VI

PARC President 2005

Halloween is past and Thanksgiving is fast approaching. The season is changing (for some parts of the county) and the nights are getting longer. We have had a pretty good year, so far at the Palomar Amateur Radio Club. We just had a great Annual Auction, hosted by Art McBride, KC6UQH.

The November Program will be Go Kits and Power Management, by Marvin Munster, WB6PKK. This is an opportunity to get ideas to prepare for next years emergency communications events.

At this writing, I believe that we are heading back to the Carlsbad Safety Center for our monthly meetings. I have not been given confirmation, so please watch the [www.palomararc.org](http://www.palomararc.org) web site for the latest and always listen to 146.730- on the first Wednesday of the month for talk-in directions.

Looking down the road: December will bring us the annual Elections Christmas Social. The Nominating Committee was announced at the end of the Auction and consists of Harry Hodges (W6YOO), Art McBride (KC6UQH) and Paul De Cicco (NN6X). In particular, PARC is in need of candidates for Secretary and Treasurer, as Paul Williamson (KB5MU) and Jo Ashley (KB6NMK) have indicated that they will be pursuing other interests next year. Their presence and insight will be missed. Of course, candidates are welcome for all of other offices, as well.

Another topic: With the holidays approaching and New-year just around the corner, it might be a good time to resolve to get involved in Amateur Radio related Public Service. There is a multitude of organizations that can use your talents and experience. Please consider giving of your time for worthy causes.

I hope to see you all at the General Meeting on November 2nd. ●

## INSIDE THIS ISSUE

- 1 President's Message
- 3 Newsletter Challenge and Contest Calendar
- 5 Repeater Information, License Testing and Classes
- 6 Boiled Tower Raisin' Cake Recipe
- 7 Club Classified Advertisements Page
- 9 TAPR Digital Communications Conference Report

Continued from page 1

CD	2,747.46
CD	3,468.95
CD	2,902.37
CD	2,400.00
Post office	98.96
<b>Total Assets</b>	<b>13,264.97</b>

Liabilities & Equity	
Pre-Paid Dues	6,772.00
Property Insurance	2,400.00
Total Liabilities	9,172.00
Equity	4,092.97
<b>Total Liabilities &amp; Equity</b>	<b>13,264.97</b>

#### **Treasurer's Report for September 2005**

##### **Assets**

##### **Cash and Bank Accounts**

BoA checking	2,380.56
CD	2,751.48
CD	3,474.03
CD	2,906.62
CD	2,400.00
Post office	98.96
<b>Total Assets</b>	<b>14,061.65</b>

Liabilities & Equity	
Pre-Paid Dues	6,573.00
Property Insurance	2,400.00
Total Liabilities	8,973.00
Equity	5,088.65
<b>Total Liabilities &amp; Equity</b>	<b>14,061.65</b>



Dennis N6KI hosted a tower party at his QTH on October 19<sup>th</sup> to put up the SteppIR MonstIR antenna that he's been preparing. The stepper motors create a lot of noise while operating. A series of filter designs was drawn up to help eliminate this noise so that

Dennis can continue to listen while tuning his new antenna from one band to another. The tower party drew a very helpful and friendly crowd.



The October 8<sup>th</sup> work party focused on the tower. Dan K6NKE is pictured above. An ATV antenna that links the repeater site to Valley Central was replaced. The old antenna came down and a new antenna went up. The feedline was also checked and the other antennas on the tower given a look-over. The steel storage shed got two new shelves (pictured below), the batteries were checked, and the generator given a brief run.



## NEWSLETTER CHALLENGE

October's puzzle (Page 1 Spider Web Listening ear = SWL = Short Wave Listener) was solved by...

No one! It must have been too hard. Now you know what the puzzles might be like, here are the rules of the game. Hidden somewhere in this newsletter is a code. It has something to do with amateur radio, or amateur-radio-related activities. It could be numerical, literal, or symbolic. Crack the code correctly, and you will be credited in next month's SCOPE! Got a photo to submit for a Photo Challenge? Let us know! [scope@palomararc.org](mailto:scope@palomararc.org) ●

## CONTEST CALENDAR

Nov 5	IPARC Contest, CW
Nov 5	Ukrainian DX Contest
Nov 5	ARRL Sweepstakes
Contest, CW	
Nov 5	NA Collegiate ARC
Contest, CW	
Nov 6	IPARC Contest, SSB
Nov 6	High Speed Club CW
Contest	
Nov 6	DARC 10-Meter Digital
Contest	
Nov 10	NCCC Thursday Sprint
Nov 12	WAE DX Contest, RTTY
Nov 12	JIDX Phone Contest
Nov 12	OK/OM DX Contest, CW
Nov 19	LZ DX Contest
Nov 19	EU CW QSO Party
(Various Bands)	
Nov 19	All Austrian 160 Meter
Contest	
Nov 19	ARRL Sweepstakes
Contest, SSB	
Nov 19	NA Collegiate ARC
Contest, SSB	
Nov 19	RSGB 1.8 MHz Contest, CW
Nov 26	CQ WW DX Contest, CW

The only thing lacking this month are state QSO parties. Oh well, there are CW, RTTY, SSB, and Top Band tests enough to satisfy everyone. Both ARRL Sweepstakes occur this month, as does the CQ Worldwide CW test.

Complete rules can be found in QST, CQ, Worldradio, and the National Contest Journal (NCJ). Hope to work you in the contest. 73, Harry, W6YOO. ●

## PARC 2005 BOARD

PRES: STEVE EARLY AD6VI  
(619) 461-2818 [AD6VI@COX.NET](mailto:AD6VI@COX.NET)  
VP: DENNIS BACA KD6TUJ  
(760) 722-0251 [KD6TUJ@AMSAT.ORG](mailto:KD6TUJ@AMSAT.ORG)  
SEC: PAUL WILLIAMSON KB5MU  
(858) 571-8585 [KB5MU@AMSAT.ORG](mailto:KB5MU@AMSAT.ORG)  
TREAS: JO ASHLEY KB6NMK  
(760) 741-2560 [KB6NMK@AMSAT.ORG](mailto:KB6NMK@AMSAT.ORG)  
DIR: TOM MARTIN KG6RCW  
DIR: MARK RAPTIS KF6WTN  
(760) 749-4825 [KF6WTN@AMSAT.ORG](mailto:KF6WTN@AMSAT.ORG)  
SITE: MICHELLE THOMPSON W5NYV  
(858) 350-7579 [W5NYV@AMSAT.ORG](mailto:W5NYV@AMSAT.ORG)  
MEMBERSHIP: AL DONLEVY W6GNI  
(760) 630-3096 [W6GNI@AMSAT.ORG](mailto:W6GNI@AMSAT.ORG)  
NEW MEMBER:  
SITE TECH: MIKE DOYLE AB6QT  
(760) 742-1573 [AB6QT@AMSAT.ORG](mailto:AB6QT@AMSAT.ORG)

## CURRENT NEEDS

Volunteers are needed for the following club positions.

- Billing Chair (handles billing for advertisements in SCOPE).
- Del Mar Fair participation Chair.
- 2006 Field Day Chair.
- Newsletter editor.
- Publicity Chair.
- QSL card Chair.
- Ham Help Net Operators.
- Assistant southwest division director.

We are actively seeking people for these positions. If you or someone you know has expressed interest in getting more active in amateur radio, these positions are excellent ways to fulfill that wish! ●





# Nets



## Regular On-the-Air Nets sponsored by the Palomar Amateur Radio Club.

DAY	TIME	FREQ.	NET NAME	NET MANAGER CONTACT INFORMATION
T/R/S	2000	146.730	NTS Traffic Net	Charles N6TEP cmiele@juno.com
Sunday	0830	146.730	ARES Sunday Net	Dennis K7DCG
Sunday	1000	146.730	Sailor's Net (stay tuned)	Paul NN6X@amsat.org Rod AC6V@amsat.org
Sunday	2045	147.075	MARA ES	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 tthompson@sdarc.org
Tuesday	2100	146.730	Off-Road Net	Jerry A. K6PFP jwak6pfp@cts.com Dick W. KA7AYT rwillimek@home.com
Thursday	1930	147.075	Young Hams Net (inactive)	
Thursday	2100	146.730	Ham Help (need ops)	David D KC6YSO@amsat.org
Friday	2100	146.730	Hiker's Net	Ed KF6DXX@juno.com Glenn P. KE6ZLY@juno.com
Nightly	>2200	147.130	Facetious Group	
Saturday	2000	52.680	6Mtr Emergency Services Net (inactive)	

## Other nets that might be of interest to the membership

DAY	TIME	FREQ.	NET NAME	NET MANAGER CONTACT INFORMATION
Mon-Fri	2000	28.340	10 Meter Net	Dennie WA9MTP

## Net Participation Tracker – A convenient form for participating in PARC nets

NET	DATE	NOTES

## Repeater Information

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

†145.070/146.700- (W6NWG-3/PALBBS)

ATV input: 915 wbfm, 2441.25 wbfm

ATV output: 1241.25 MHz am

Intercom: 146.415 PL 79.7 nbfm

Affiliated: 224.380-, 224.940 KK6KD (HARS)

447.050-, 145.260 KK6KD (HARS)

146.175+ N6FO (Fallbrook ARC)

Linked to: 445.600-, 224.900- WD6HFR

(Corvair/220 ARC), 446.140- WB6FMT (123.0)

Vista **†under repair \*107.2 Hz PL Tone**

## License & Class Information

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

● PARC Testing is in Carlsbad on the 2<sup>nd</sup> Saturday of the month at 9:30am in the Fire Station at the Carlsbad Safety Center.

Contact Rusty Massie AA6OM at 760.747.5872 or dunedancer@cox.net.

● EARS Testing is in Escondido on the Last Saturday of the month at 9:00 am at Fire Station #1 Escondido Fire Department. The address is 310 North Quince Street, Escondido CA 92025.

Contact Harry W6YOO 760.743.4212 or W6YOO@amsat.org.

● "The ARRL Technician Class Course for Ham Radio Licensing" Course No. EC-010 \$99 ARRL members / \$139 non-members. Courses begin on the first and third Tuesday of each month. For more information, email cce@arrl.org or via regular mail to ARRL CCE, 225 Main Street, Newington, CT 06111.●

## Software Defined Radios

*A quick introduction and short list of resources*

A Software Defined Radio (SDR) has two major components. First, a wideband analog-to-digital converter (ADC), and second, a personal computer, where the digital signals are stored and manipulated in software. SDRs still have RF components, but the point of development and experimentation at this stage is to get the software as close to the antenna as possible, thus turning hardware problems into software problems. Using software in the place of hardware allows for flexibility in configuration, the ability to upgrade quickly and easily, TX/RX on multiple channels simultaneously, and the

possibility of self-configurable radios that monitor RF conditions and adjust themselves to suit the radio environment.

A source for a reasonably-priced SDR kit is the SoftRock-40. (<http://www.amqrp.org/kits/softrock40/>) The SoftRock-40 represents a minimalist SDR design, where a much more complex SDR like the SDR-1000 from Flex-Radio (<http://www.flex-radio.com/>) would be the upper end of the price and performance spectrum.

Also, an excellent early article about SDRs, Linux, and the envisioned effect upon amateur radio appeared in the October 2002 QST (<http://www.arrl.org/tis/info/pdf/0210033.pdf>). SDRs have definitely arrived on the scene in a big way this year. Continued advancements in ADCs will continue to allow for large strides forward in performance. -W5NYV ●

# HAM RADIO

H  
R  
O

## OUTLET

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 Antennas**  
**TEN-TEC**  
**Hy-gain, Tri-EX,**  
**Cushcraft**  
**And**  
**Others too**  
**Numerous to**  
**Mention!**

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**Directions:** On 163, take **Clairemont Mesa Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stoplight. As you are turning right you can see our beams in this 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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Terminals – Coax Connectors – Battery Chargers**

Email sales@impulseelectronics.com

### **Fold and Staple Crew**

Last Month's Fold & Staple Crew WA5ACE  
Sonny, KB6NMK Jo, W6GNI Al & Kathy,  
W6YOO Harry. Thank you so much for your  
help!

### **October Work Party Attendees**

Dennis KD6TUJ, Doug (nonmember guest)  
KB8ACJ, Mark KF6WTN, Dan K6NKE, Art  
KC6UQH, Michelle W5NYV

## **Boiled Tower Raisin' Cake Recipe**

### **W5NYV**

This Boiled Raisin Cake  
recipe is from the collection  
of Sylvia Baker. It was  
served at 2005 Field Day.  
This cake is quite  
appropriate for tower "raisin"  
parties!

Boil 1 cup of raisins in 2 cups  
of water for 20 minutes. Cool  
and reserve ½ cup of the  
liquid for cake.

Sift together 1 ½ cup of flour,  
1 teaspoon of nutmeg, and 1  
teaspoon of cinnamon.

Cream ¼ cup of butter and  
¾ cups sugar. Add 1 egg  
and beat well. Add 1  
teaspoon of baking soda to  
raisin water and mix. Add  
raisin water and sifted dry  
ingredients. Mix. Fold in  
raisins.

Bake 30-35 minutes at 350  
degrees F. After cake has  
cooled, either apply icing or  
sprinkle powdered sugar on  
top through a schematic-  
shaped doily for a nice pattern.

### ***Substitutions***

Substitutions for butter include  
using Smart Beat® butter or  
your favorite lower-fat product.  
Substitute egg whites or a  
small amount of applesauce  
for whole eggs. Substitute  
Splenda® for sugar. Leave out  
the raisins if you don't like the  
texture. Substitute another  
similar fruit or nut if you like.  
The cake should be springy  
without falling apart. The  
applesauce substitution can be  
the trickiest one, since the  
cake will be more moist and  
possibly more crumbly than  
with other substitutions. ●

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## FOR SALE

*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.*

(9.13) Ham-friendly property FOR SALE. [www.pettus.us](http://www.pettus.us)

(9.12) FOR SALE Cubic Astro 150A fix or mobile 10-80m SSB 100w PEP with DS and Manual \$250.00. Kenwood 2m transceiver Model #TR-7330 5-25w w/auto patch mic MC-46, ARX 2m ant, manual \$150.00. Astro PS7A w/manual \$25.00. Cubex 4 el Quad 30' boom w/Quad arms, fiberglass spreaders, instruction manual \$100.00. Shure mic w/stand ptt \$20.00. Heathkit phone patch model #HD 15 w/manual \$25.00. Remote ant SW motor driven 6-position coax w/control box \$100.00. Dummy load 1kw +/- \$10.00. Fluke multimeter model #77 w/manual \$65.00. Brak-D-Lay for Hy-Gain rotor w/instructions \$15.00. Contact Kris W6KTE (760) 941-3555

(9.10) WANTED: for the Crest Radio Museum. BOATANCHORS!!! Also need a Heathkit SB-101/102, RX-1/TX-1, VF-1 and DX-100. Operating condx not a problem. Desperately need the following 2-meter radios to complete the collection: Icom IC-20, Trio TR-2E & TX-26, Sonar CD-2, WRL Techciever, Robert Dollar 2M, Kenwood TR-2300 & TR-7100, Tempo FMA Anyone have these and would like to part with them? Contact WA6MHZ at [wa6mhz@arrl.org](mailto:wa6mhz@arrl.org) or Landline (619) 593-1111

(8.1) WTB a 40'+ pushup pole in good condition... Please contact me: [cstein6@cox.net](mailto:cstein6@cox.net) or (858)349-9919 Charles KG6VVM

(7.17) (1) Hy-Gain Dynamic Microphone Model #610 \$30.00 OBO. (1) Realistic Stero AMP. Model #SA-10. \$15.00 OBO. (1) Frequency-Counter Model #711 115 VAC or 12 VDC \$35.00 OBO. Please call Bayard K6GAO (858) 755-5507. Thank you.

### **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 160m).

**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" dia. \$15+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.

(7.15) Wanted: CQ Magazine for May 1959. Beg, Borrow, or Buy. Would consider entire year of '59 and possible older issues. Bob Byrnes KE6MTT email [rbyrnes@pacbell.net](mailto:rbyrnes@pacbell.net)

(6.27) 300 Laser Movies, email for a list, first come first sold, \$7.00/each. Contact Dennis K7DCG, (858)748-9046 or email [K7DCG@AOL.com](mailto:K7DCG@AOL.com).

(6.25) FOR SALE (1) Uniden Bearcat Scanner Radio Base Model #BC890XLT with antenna and Power Supply for AC use. Asking \$100.00 OBO. FOR SALE (1) Uniden Bearcat Scanner Radio Model #BC760 XLT Mobile with antenna and 12 VDC Power Cord. Asking \$65.00 OBO. Please contact Bayard K6GAO at (858) 755-5507.

(6.20) Test equipment including H/P 141 T Spectrum Analyzer, Parts including large spacing variable capacitors, Antennas, Antenna rotators, Tools and more for the Ham Shack of Jim, K6ML. Contact Art, KC6UQH for appointment to see (760) 758-6062 Evenings and Weekends. ●

## Committee Chairpersons

ARES Info	Tony	KC6YSPa
ARES Net	Dennis S.	K7DCC@amsat.org
Attendance	Al	W6GNI@amsat.org
ATV	Art	KC6UQH@amsat.org
Auction	Tom M.	KG6RCW@amsat.org
Badges New	Al	W6GNI@amsat.org
Batteries	David	BK6EBYDAT@Gerry.Palomar.caltech.edu
BBS Monitor	Bill B.	N6FMK@amsat.org
Billing Ads/etc	<b>needed!</b>	K6GVM@arrl.net
Contest Info	Dennis V.	N6KI@amsat.org
Control Ops	Filled	W6NWG@amsat.org
Del Mar Fair	<b>needed!</b>	
Emergency Com Centers	Harry	W6YOO@amsat.org
	Dennis V.	N6KI@amsat.org
	<b>needed!</b>	
Field Day	John K.	WB6IQS@amsat.org
Field Day Tech	Dennis B.	KG6TUJ@amsat.org
Inventory	<b>filled!</b>	TBA
New Member	PARC	Board@palomararc.org
Nets	<b>needed!</b>	W5NYV@amsat.org
Newsletter	Stan	W9FQN@amsat.org
Patch Info	Jerry H.	WB6FMT@amsat.org
Patch Electronics	Mark R.	KF6WTN@amsat.org
Picnic	Mike P.	K6MRP@amsat.org
Power AC/DC	Dennis B.	KG6TUJ@amsat.org
Programs	<b>needed!</b>	
Publicity	<b>needed!</b>	
QSL Cards	Jo A.	KB6NMK@amsat.org
RACES Info	Steve	AD6VI@amsat.org
RED Flag	Michelle	W5NYV@amsat.org
Repeater Site	Mike D.	AB6QT@amsat.org
Repeater Tech	Jin/Steve	NE6O/AD6VI
SANDARC	John K.	WB6IQS@amsat.org
Seller Table	<b>needed!</b>	
Asst. SWD Dir	Rusty	dunedancer@cox.net
Testing VE	Mike D.	AB6QT@amsat.org
Training	Mike D.	AB6QT@amsat.org
Trustee	Paul W.	www.palomararc.org
Web		



Top of the repeater tower.





## TAPR DCC Report

### KF6WTN

TAPR stands for the Tucson Amateur Packet Radio Corporation, although they have very little to do with packet radio anymore. DCC is an abbreviation for the Digital Communications Conference. The club motto is "Advancing the Art of Amateur Radio." Another interesting thing about the name of the group is that practically no one lives in Tucson anymore.

Just about everybody in the club is an experimenter. As a result, almost every presentation at the DCC was a summary of the ongoing progress of someone's experiment. A lot of members' work can be found in the ARRL magazine QEX. Briefly, here are some of the items I thought were most interesting.

One of the items announced during the conference was the creation of the first suit sat. Russian spacesuits utilized on the International Space Station have a life of 12 missions or five years, whichever comes first. One of the suits is scheduled to go end-of-life this December. As a result, some innovative ham radio operators have developed a radio system that will fit inside the space suit. Rather than jettisoning the suit into the atmosphere they're going to load radios into the spacesuit and push it out into orbit. The radios and batteries in the suit will have an active life of about two weeks. The spacesuit satellite will transmit only at a frequency of 145.990 MHz. The message will be encrypted in ADPCM in the internal processor and will broadcast children's voices from around the world, with well-wishing messages. The satellite will also state the temperature, battery voltage, and elapsed time since the beginning of the project. The components were launched on September 8 aboard a Russian progress rocket. The finished project is projected for launch, if that's what you want to call it, somewhere in the December timeframe.

Another couple of interesting projects dealt with software defined radios. One was a good GNU project,

and the other started as a TAPR Ham Project and the designers decided to take it commercial. In a software defined radio, the only thing performed in the radio section is the down-conversion from RF to an IF frequency. Then, the IF quadrature components are input to the sound card on a PC. All remaining processing is performed in software on the PC. Spectacular results were seen in the demos compared to standard radios. For more information, see Measuring Performance of Software Defined Radios in the May 2005 QST Technical Correspondence section as well as the product review for the FlexRadio Systems SDR-1000 Software Defined Radio in the October 2005 QST.

One application demonstrated by the GNU folks was AYFBTU (All Your Frequencies Belong To Us.) In this application, they demonstrated the ability to output on 13 different frequencies simultaneously.

ICOM is supporting a new communications format called D-star. Although designed to support 2m and 440MHz, their initial offering is at 1.2 GHz. This format seamlessly combines analog audio, digital audio, and 128 kbps digital datastreams. Other projects were redefinition of AX.25, digital radio for HF, and homegrown timing and network analyzer projects.

Passive radar, where ambient or existing frequencies are used to track objects, was another topic of the conference. The following excerpt from a recent Business Week article shows the potential of this type of radar technology. "Lockheed-Martin's system is dubbed Silent Sentry. Last fall, in a demo for the U.S. Air Force, a third-generation Silent Sentry radar tracked all the air traffic over Washington, D.C., by picking up FM and TV echoes. Because FM and TV transmissions are more powerful than their cell-phone cousins, Silent Sentry can detect planes as far away as 135 miles, roughly 10 times the reach of an individual cell-phone tower."

([http://www.businessweek.com/magazine/content/03\\_42/b3854113.htm](http://www.businessweek.com/magazine/content/03_42/b3854113.htm)) ●

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## About our Newsletter

Scope (USPS #076530) is published monthly by the Palomar Amateur Radio Club 1651 Mesa Verde Drive, Vista, CA 92084. Periodicals postage paid at Vista, CA 92085. Dues are \$18 per year or \$30 per year for a family. Dues include a subscription to Scope. Editor: Michelle Thompson W5NYV.

Submissions: [scope@palomararc.org](mailto:scope@palomararc.org)

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

## About our Organization

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, sailing, 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

## Meeting Location and Time

This month's General Meeting will be held on November 2, 2005 (the first Wednesday of each month). Talk-in on 146.730 MHz repeater. This month will feature **Go Kits and Power Compatibility**. Meeting starts at 17:30.

Ridesharing and coordinating for dinner beforehand often occurs on the repeater on Wednesday afternoons.

Everyone is welcome! Please check [www.palomararc.org](http://www.palomararc.org) or listen to the repeater for the location, as it is TBD.



## December Club Events

### Treasurer's Report for November 2005

#### Assets

##### Cash and Bank Accounts

BoA checking	1,602.40	CD	2,755.64
CD	3,479.29	CD	2,911.02
CD	2,403.71	Post office	99.10

Savings SDCCU 50.00

Total Assets 13,301.16

#### Liabilities & Equity

Pre-Paid Dues	6,396.00	Property Ins.	2,400.00
Total Liabilities	8,796.00	Equity	4,505.16

Total Liabilities & Equity 13,301.16

### November Program Review

Marvin Munster presented November's program, Go-Kits and Emergency Power. Marvin organizes emergency go kits into three major categories depending on how long you have to sustain yourself in the field. The briefcase-sized short-term kit, the gym bag or large-box-sized 72-hour emergency kit, and the largest category of kit for longer service, which could occupy most of a car or truck, were described. The exact contents of the kits were not strictly defined, due to the differing needs of the served agencies,

*continued on page 2*

## President's Message

### Steve Early AD6VI

*PARC President 2005*

December (and our concept of winter) is upon us, which means that it is time for the PARC Christmas Social and Annual Meeting (err, elections...).

Most of us arrive thinking about new equipment and opportunities to get it on the air in the New Year. This Social is an opportunity to meet the faces that accompany the voices we often hear on the air.

It is also an opportunity to meet with the club's new leadership and tell us what you think we can do to move PARC forward over the next year.

Please consider service to the club and the amateur community in such events as Field Day and the annual auction.

See you at the Carlsbad Safety Center on December 7th.

Please bring a friend.\*

## <http://www.ac6v.com/>

This wonderful ham radio website, run by Rod AC6V, is a fantastic online resource for amateur radio information. With 700 topics, 6,000 links, and 132 pages, it weighs in at the top of the scale as one of the best topical indices of ham radio webpages.

The site gets well over 1,000 hits a day. Readers from 127 countries have visited [www.ac6v.com](http://www.ac6v.com). It's been in operation since 1997 and is highly praised by visitors.

Unlike many sites that post reams of links, only to let them rot over time, Rod sees that the links at his site are checked monthly. This removes one of the most irritating things about resource sites – the dreaded 404 Page Not Found. Thanks to Rod, things are easier to find on the ever-growing and often chaotic Internet. Thanks Rod, for doing such a great job and providing such a wonderful service to the ham radio community!

## INSIDE THIS ISSUE

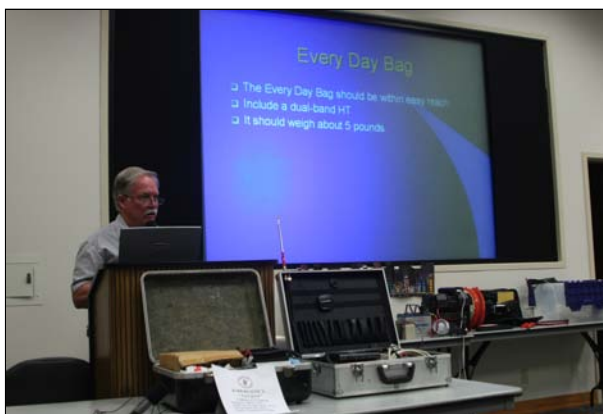
- 2 San Diego 100 Endurance Run Report by KA6DUH
- 3 Contest Calendar and Morse Code Wristwatch
- 5 Repeater and License Info, Work Party photos
- 7 Club Classified Advertisements Page
- 9 'Digging Into the Past' by WA6MHZ



*Continued from page 1*

geographical areas, and types of disasters that amateur radio finds itself confronted with. Therefore, a method of developing a collection of go kits was presented, rather than a laundry list of what to take.

The second part of the program presented power supply options and charging methods. Providing power is a key component of any emergency operation. Without power, very little can be done with radios. Photos by W5NYV. ✱



Above: Marvin's presentation in progress.



Above: example go-kits. Contents, cases demonstrated.

### **San Diego 100 Mile Endurance Run**

Dennis Peck, KA6DUH  
ARES, Escondido A.E.C.

I want to thank all the participants in the San Diego 100 Mile Endurance Run this past weekend, October 22/23, in the Cleveland National Forest. The run took place on the Pacific Crest Trail between Lake Morena and Banner Grade Store. We had terrific Amateur Radio participation, a very successful event and dare I say that a good time was had by all. Compared to past years the weather was very kind.

We had the following 30 hams participating: (in no particular order)

KG6RAS, KG6ZLX, K1CT, KB9WFS, KG6WNW, KG6NDX, N6LWL, KF6RWF, N6SUB, KD6PZE, KC6YSO, KC6YSP, W6SST, K5WFW, KF6NXY, W6HME, AK6QJ, WD6FWE, KG6TUK, W6GDK, KG6GUQ, KG6NNU, KN6BN, KG6JCW, KA6DUH, W6WYN, KO6BU, WA6JUS, KI6ASP, KD6OZL.

We supplied 19 radio station shifts to 10 locations across a 50-mile course. Two radio teams took double shifts! There were 284 person-hours of scheduled operator time or 7.1 person-weeks packed into 36 hours. Plus more time than I can account for in preparation, travel, arriving early, staying later, etc.



Pictured at left is Roger Baldwin, KG6RAS. Photo by Dennis Peck.

This year's SD100 had some very fast runners. Sixty-one runners left the starting line at 0600 Saturday morning. The first finisher arrived 17 hours and 24 minutes later! The second arrived at 17:42 (elapsed) and the third at 17:52 (elapsed), (the fourth was three hours later). This speed caused some anxious moments in getting several aid stations set up ahead of the runners. Thirty-nine runners finished and there were no serious injuries, and the last runner came in around 1230hrs Sunday.

The Race Director and staff appreciated our contribution to the event very much and look forward to our assistance next year.  
-Dennis Peck, KA6DUH



Pictured at left, from left to right, are Don Compton, KG6NDX and Don Johnson, WD6FWE volunteering at the San Diego 100 Endurance Run. Photo by Dennis Peck.

## SCOPE CHALLENGE

November's puzzle (Page 9 CQ Pumpkins) was solved by Sam N6SD (in 20 minutes!)

Now you know what the puzzles might be like, here are the rules of the game. Hidden somewhere in this newsletter is a code. It has something to do with amateur radio, or amateur-radio-related activities. It could be numerical, literal, or symbolic. Crack the code correctly, and you will be credited in next month's SCOPE! Got a photo to submit for a Photo Challenge? Let us know! [scope@palomararc.org](mailto:scope@palomararc.org) ✱

## CONTEST CALENDAR

Dec 2	ARRL 160 Meter Contest
Dec 3	TARA RTTY Melee
Dec 3	Wake-Up! QRP Sprint
Dec 10	ARRL 10-Meter Contest
Dec 11	CQC Great Colorado
Snowshoe Run	
Dec 16	Russian 160-Meter Contest
Dec 17	MDXA PSK Deathmarch
Dec 17	OK DX RTTY Contest
Dec 17	RAC Winter Contest
Dec 17	Croatian CW Contest
Dec 17	Stew Perry Topband Challenge
Dec 26	DARC Christmas Contest
Dec 31	Original QRP Contest

Although there are not a great many contests in the month of December, one finds CW, RTTY, PSK, SSB, and 10-Meters through 160-Meters. What more could one ask? Complete rules can be found in CQ, QST, NCJ and Worldradio magazines. Enjoy the Holidays and CU in the contest.

73, Harry/W6YOO. ✱

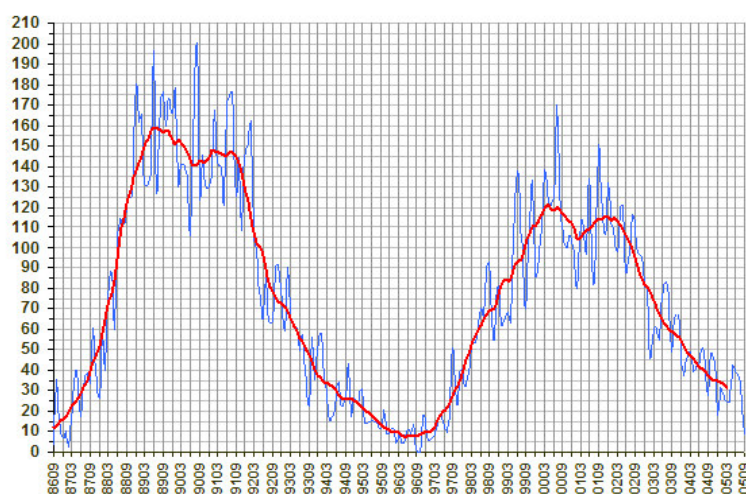


Left: N6KI holds up a prize possession at the November club meeting. Yes, that's a Morse code watch. Not only does it beep the time in Morse code, but it can flash it too! Photo by W5NYV.

## SOLAR CYCLES AND WHY WE CARE

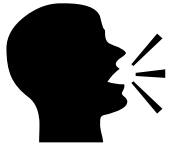
You've probably heard of the term 'sunspot cycle.' It's the 11 or 12 year-long cycle of sunspot activity that seems to either help or hurt our efforts at communicating with one another. What's the reason for this, and why do we care? Well, our current solar cycle, Cycle 23, started in May 1996. The expected minimum will be sometime during the second half of 2006. Look at the graph below. The numbers along the bottom are last two digits of the year followed by the month. 9603 would therefore be March 1996. If you follow the solid line that goes through the middle of the jumpy line, you can see the cyclic rise and fall as time goes by. This smoothed line is important to us. The numbers along the left vertical side are smoothed sunspot numbers (SSN).

Solar Cycles 22-23



An SSN is derived from the number of sunspots observed each day. The smoothed center line is the SSN value over time. Essentially, an SSN for a particular month is a moving or windowed average. SSN is calculated by averaging daily sunspot numbers for a desired month as well as the 5.5 months before and 5.5 months after the desired month. This means that the official SSN is about a half year behind the current month, and is essentially a 12-month moving average centered on the desired month. As you can see from the graph, the SSN provides a much nicer looking graph than the much more spiky graph of monthly averages. The SSN calculation provides filtered data. The relevance of SSN to amateur radio is quite direct. **High SSNs are better for high frequencies. Low SSNs are better for low frequencies.** The more sunspots that face the earth, the more ultraviolet radiation the earth receives from the sun. The F region of the atmosphere is ionized more strongly. Higher frequencies are more often refracted back to earth. When there are few sunspots, the ionosphere receives less ultraviolet, and is therefore less ionized. High frequencies pass through the ionosphere at a higher rate, however there is good news. I just saved a bunch of money... Just kidding! With a stable ionosphere, low frequency propagation is actually enhanced. —W5NYV

Solar cycle graphics are courtesy of Jan Alvestad.



# NETS



## Regular On-the-Air Nets sponsored by the Palomar Amateur Radio Club.

DAY	TIME	FREQ.	NET NAME	NET MANAGER CONTACT INFORMATION
T/R/S	2000	146.730	NTS Traffic Net	Charles N6TEP cmiele@juno.com
Sunday	0830	146.730	ARES Sunday Net	Dennis K7DCG
Sunday	1000	146.730	Sailor's Net (stay tuned)	
Sunday	2045	147.075	MARA ES	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 tthompson@sdarc.org
Tuesday	2100	146.730	Off-Road Net	Jerry A. K6PFP jwak6pfp@cts.com Dick W. KA7AYT rwillimek@home.com
Thursday	1930	147.075	Young Hams Net (inactive)	
Thursday	2100	146.730	Ham Help (need ops)	David D KC6YSO@amsat.org
Friday	2100	146.730	Hiker's Net	Ed KF6DXX@juno.com Glenn P. KE6ZLY@juno.com
Nightly	>2200	147.130	Facetious Group	
Saturday	2000	52.680	6Mtr Emergency Services Net (inactive)	

## Other nets that might be of interest to the membership

DAY	TIME	FREQ.	NET NAME	NET MANAGER CONTACT INFORMATION
Mon-Fri	2000	28.340	10 Meter Net	Dennie WA9MTP

## Net Participation Tracker – A convenient form for participating in PARC nets.

NET	DATE	NOTES



## Repeater Information

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 †145.070/146.700-

(W6NWG-3/PALBBS)

ATV input: 915 wbfm, 2441.25 wbfm

ATV output: 1241.25 MHz am

Intercom: 146.415 PL 79.7 nbfm

Affiliated: 224.380-, 224.940 KK6KD (HARS) 447.050-,

145.260 KK6KD (HARS)

146.175+ N6FO (Fallbrook ARC)

Linked to: 445.600-, 224.900- WD6HFR (Corvair/220

ARC), 446.140- WB6FMT (123.0) Vista

†under repair \* 107.2 Hz PL Tone



Above, framed pieces ready to go up on top of the freezer building. Wood was cut, framing accomplished, and the pieces all put together at the repeater site. KC6YSO in background.

## License & Class Information

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

● PARC Testing is in Carlsbad on the 2<sup>nd</sup> Saturday of the month at 9:30am in the Fire Station at the Carlsbad Safety Center.

Contact Rusty Massie AA6OM at (760) 747-5872 or [dunedancer@cox.net](mailto:dunedancer@cox.net).

● EARS Testing is in Escondido on the Last Saturday of the month at 9:00 am at Fire Station #1 Escondido Fire Department. The address is 310 North Quince Street, Escondido CA 92025.

Contact Harry W6YOO (760) 743-4212 or [W6YOO@amsat.org](mailto:W6YOO@amsat.org).

● "The ARRL Technician Class Course for Ham Radio Licensing" Course No. EC-010 \$99 ARRL members / \$139 non-members. Courses begin on the first and third Tuesday of each month. For more information, email [cce@arrl.org](mailto:cce@arrl.org) or via regular mail to ARRL CCE, 225 Main Street, Newington, CT 06111. ✱



Above, the power upgrade work is in process. In this shot one can see the several cabinets that contain the equipment used to distribute power to the buildings at the site as well as trenches for conduit. At right, roof is constructed by Jim KF6RFW. Photos by W5NYV.



# HAM RADIO

Tom KM6K  
Ron N6OMW  
Jose XE2SJB  
Bob KA6EKT

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**TEN-TEC**  
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**Cushcraft**  
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#### **Fold and Staple Crew**

Last Month's Fold & Staple Crew

WA5ACE Sonny, KB6NMK Jo, W6GNI

Al & Kathy, W6YOO Harry. Thank you so much for your help!

#### **Goodie Givers**

October (Auction) - KG6RCW Tom, KI6AOL Christy, K6ISS Fred, W6ASP Preston, K6KAL Dick

November - KG6RCW Tom, KI6AOL Christy, W6YOO Harry, K6ISS Fred, N6UWW Ellen, WB6BFG Bill

## **Current Needs**

Volunteers are needed for the following club positions.

Billing Chair (handles billing for advertisements in SCOPE).

Del Mar Fair participation Chair.

2006 Field Day Chair.

SCOPE editor.

Publicity Chair.

Ham Help Net Operators.

Assistant southwest division director.

We are actively seeking people for these positions. If you or someone you know has expressed interest in getting more active in amateur radio, these positions are excellent ways to fulfill that wish!

Training is provided for all these positions, and the time commitment ranges from low to medium.

Some of the positions are irregular or seasonal in schedule (Del Mar Fair), and some of them are consistent in schedule (newsletter, net operators). Regardless of the type of position and the time commitment required, each and every volunteer opportunity is greatly appreciated and makes our club more successful. ✱

## **PARC 2005 Board**

President: Steve Early AD6VI

(619) 461-2818 [AD6VI@cox.net](mailto:AD6VI@cox.net)

VP: Dennis Baca KD6TUJ

(760) 722-0251 [KD6TUJ@amsat.org](mailto:KD6TUJ@amsat.org)

Sec: Paul Williamson KB5MU

(858) 571-8585 [KB5MU@amsat.org](mailto:KB5MU@amsat.org)

Treas: Jo Ashley KB6NMK

(760) 741-2560 [KB6NMK@amsat.org](mailto:KB6NMK@amsat.org)

Dir: Tom Martin KG6RCW

Dir: Mark Raptis KF6WTN

(760) 749-4825 [KF6WTN@amsat.org](mailto:KF6WTN@amsat.org)

Site Management:

Michelle Thompson W5NYV

(858) 350-7579 [W5NYV@amsat.org](mailto:W5NYV@amsat.org)

Membership: Al Donlevy W6GNI

(760) 630-3096 [W6GNI@amsat.org](mailto:W6GNI@amsat.org)

New Member:

Site Tech: Mike Doyle AB6QT

(760) 742-1573 [AB6QT@amsat.org](mailto:AB6QT@amsat.org)



KG6RCW, K6MRP work on power system.

**FOR SALE:** Hy Gain - Hy Tower 5 band (80 thru 10) vertical antenna. This is a freestanding antenna that requires a 3-foot square cement base. It has S.S. hardware. I'm asking \$300.00 and you pick up in Fallbrook. The first two sections break down into 10-foot sections and the rest is tubular. **Call Dale (W6IWO) at (760) 728-6800**

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## FOR SALE

*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*

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

(10.25) Tempo S-2 (220 Mhz) Handheld with SS32 PL & DTMF built in. With Chgr.

\$40.00. Galaxy Electronics Phone Patch PR-550, \$20.00. Texas Instrument TI-2000 Slim Line Laptop w/3.5 disc drive, 20 MB HD w/ac adaptor (ideal for Portable Packet). \$20.00, Epson C60 Ink Jet Printer, New/Unopened, \$40.00. Avenger 4000 Commercial Alarm System, w/8 PIR's, keypad, 2 sirens, 1 sonic, \$100.00 OBO, 13 Inch Sony Industrial Video Color monitor Model PVM-1390, \$30.00 OBO, International Audio/Video Color Processor w/ac adaptor \$30.00 OBO. 54" Oak Roll Top Desk, excellent Condx \$350.00, Sentry Fire Proof Combination Safe, \$50.00. Heath SWR Meter Model HM-102 (needs meter cover) \$10.00. IBM Clone Pentium II clone, 350 Mhz, 6 GB HD, \$50.00 OBO. 250 Laser Movies, \$7.00/ea List available, first come first served. Contact Dennis K7DCG 858-748-9046 or email K7DCG@aol.com

(9.13) Ham-friendly property FOR SALE. [www.pettus.us](http://www.pettus.us)

(9.12) FOR SALE Cubic Astro 150A fix or mobile 10-80m SSB 100w PEP with DS and Manual \$250.00. Kenwood

2m transceiver Model #TR-7330 5-25w w/auto patch mic MC-46, ARX 2m ant, manual \$150.00. Astro PS7A w/manual \$25.00. Cubex 4 el Quad 30' boom w/Quad arms, fiberglass spreaders, instruction manual \$100.00. Shure mic w/stand ptt \$20.00. Heathkit phone patch model #HD 15 w/manual \$25.00. Remote ant SW motor driven 6-position coax w/control box \$100.00 Dummy load 1kw +/-1 \$10.00. Fluke multimeter model #77 w/manual

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#### **TUNER-TUNER**

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Please check our complete ads in **QST**, **73**, **CQ**, and **World Radio** magazines.

\$65.00. Brak-D-Lay for Hy-Gain rotor w/instructions \$15.00. Contact Kris W6KTE (760) 941-3555

(9.10) WANTED: for the Crest Radio Museum. BOATANCHORS!!! Also need a Heathkit SB-101/102, RX-1/TX-1, VF-1 and DX-100. Operating condx not a problem. Desperately need the following 2-meter radios to complete the collection: Icom IC-20, Trio TR-2E & TX-26, Sonar CD-2, WRL Techciever, Robert Dollar 2M, Kenwood TR-2300 & TR-7100, Tempo FMA Anyone have these and would like to part with them? Contact WA6MHZ at [wa6mhz@arrl.org](mailto:wa6mhz@arrl.org) or Landline (619) 593-1111

(8.1) WTB a 40'+ pushup pole in good condition... Please contact me: [cstein6@cox.net](mailto:cstein6@cox.net) or (858)349-9919 Charles KG6VVM

(7.17) (1) Hy-Gain Dynamic Microphone Model #610 \$30.00 OBO. (1) Realistic Stero AMP. Model #SA-10. \$15.00 OBO. (1) Frequency-Counter Model #711 115 VAC or 12 VDC \$35.00 OBO. Please call Bayard K6GAO (858) 755-5507. Thank you.

(7.15) Wanted: CQ Magazine for May 1959. Beg, Borrow, or Buy. Would consider entire year of '59 and possible older issues. Bob Byrnes KE6MTT email [rbyrnes@pacbell.net](mailto:rbyrnes@pacbell.net)

(6.27) 300 Laser Movies, email for a list, first come first sold, \$7.00/each. Contact Dennis K7DCG, (858)748-9046 or email K7DCG@AOL.com.

(6.25) FOR SALE (1) Uniden Bearcat Scanner Radio Base Model #BC890XLT with antenna and Power Supply for AC use. Asking \$100.00 OBO. FOR SALE (1) Uniden Bearcat Scanner Radio Model #BC760 XLT Mobile with antenna and 12 VDC Power Cord. Asking \$65.00 OBO. Please contact Bayard K6GAO at (858) 755-5507.



## Committee Chairpersons

ARES Info	Tony	KC6YSP
ARES Net	Dennis S.	K7DCC@amsat.org
Attendance	Al	W6GNI@amsat.org
ATV	Art	KC6UQH@amsat.org
Auction	Tom M.	KG6RCW@amsat.org
Badges New	Al	W6GNI@amsat.org
Batteries	David	BK6EBYDAT@Gerry.Palomar.caltech.edu
BBS Monitor	Bill B.	N6FMK@amsat.org
Billing Ads/etc	needed!	K6GVM@arrl.net
Contest Info	Dennis V.	N6KI@amsat.org
Control Ops	Filled	W6NWG@amsat.org
Del Mar Fair	needed!	
EmComm	Harry	W6YOO@amsat.org
	Dennis V.	N6KI@amsat.org
Field Day	needed!	
Field Day Tech	John K.	WB6IQS@amsat.org
Inventory	Dennis B.	KG6TUJ@amsat.org
New Member	filled!	TBA
Nets	PARC	Board@palomararc.org
Newsletter	needed!	W5NYV@amsat.org
Patch Info	Stan	W9FQN@amsat.org
Patch Electronics	Jerry H.	WB6FMT@amsat.org
Picnic	Mark R.	KF6WTN@amsat.org
Power AC/DC	Mike P.	K6MRP@amsat.org
Programs	Dennis B.	KG6TUJ@amsat.org
Publicity	needed!	
QSL Cards	needed!	
RACES Info	Jo A.	KB6NMK@amsat.org
RED Flag	Steve	AD6VI@amsat.org
Repeater Site	Michelle	W5NYV@amsat.org
Repeater Tech	Mike D.	AB6QT@amsat.org
SANDARC	Jin/Steve	NE6O/AD6VI
Seller Table	John K.	WB6IQS@amsat.org
Asst. SWD Dir	needed!	
Testing VE	Rusty	dunedancer@cox.net
Trustee	Mike D.	AB6QT@amsat.org
Web	Paul W.	www.palomararc.org

**Membership Report from Al:** No new members last month! And for the first time in years, we are slightly under 400 members. Hopefully more new members will join in 2006 than "expire" next year! -73 Al W6GNI

## Repeater Site News

First and foremost, a big thank-you to all the wonderful people that have helped me take care of the repeater site over the past year. Without your help, we could not have achieved all that we did. The site meets or exceeds the new county fire code, has been cleaned up to the point where we've received many compliments, a steel storage container has been successfully installed and outfitted, antennas have been repaired and replaced, road improvements have been negotiated, and roof repairs and power upgrades are well under way. Thank you to everyone that has been supportive of these and other site efforts. You made the forward progress possible.

Mike Pennington K6MRP will be stepping in as Site Manager effective December 2005. Since he's already served the club in this position in the recent past, the club gains a qualified and experienced Site Manager for the future. -Michelle Thompson W5NYV \*

☺ On October 18<sup>th</sup> the remaining autopatch boards were re-installed at the site.

☺ An October 22<sup>nd</sup> work party saw the first phase of work completed on the freezer building roof. Ken Easton, Mark KF6WTN, and Michelle W5NYV helped seal the existing roof and re-checked measurements for the construction party on November 5<sup>th</sup>.

☺ The November 5<sup>th</sup> work party dug trenches for the power system upgrade and work began on the new roof. Attending were KF6WTN +2 guests, N6EEG, KD6TUJ, KG6RCW, KI6QOL, KG6OMH, KF6RFW, nonmember guest **N0CALL**, KC6YSO, K6MRP, and W5NYV.

☺ The November 12<sup>th</sup>, 13<sup>th</sup>, and 15<sup>th</sup> work parties (K6MRP) continued the power system upgrade and (KF6RWF) additional roofing work at the site. Thank you!



# Digging Into the Past

By **WA6MHZ**

It was a lazy Sunday afternoon. I had just returned from Church and breakfast, and was looking for something to occupy the rest of the day. Little did I know an Adventure of Epic Proportions was before me! Monitoring the W6NWG .73 repeater, I heard Don WD6FWE frantically calling for help. He needed a Pickup truck ASAP! Having only a Town Car, I could not help, but as I listened, the situation grew incredibly intriguing. It seems he was at a house where there was MOUNTAINS of Electronic junk, just for the taking. THAT sure perked my ears up. FREE is good! But it was way up in Rancho Santa Fe; probably 50 miles distant. Then Don said the MAGIC word: HEATHKIT! I jumped out of my chair and dashed to the Town Car. Good thing the CHPs weren't watching, as I did 90 most of the way!

Arriving at the site, it appeared to be an ordinary house. There was a granny flat to the side. But walking in showed the place was completely trashed. As I learned, a retired Electrical Engineer used to live here, and died about 10 years ago. The house was vacant and had been trashed. Everything was thrown about. Things were smashed and scattered. I advanced towards the back where the granny flat was. That was the location of the Electronics shop. It was worse than ever. Everything had been tossed about, littering the floor to the tune of over a foot deep! Rat droppings were everywhere; it was the most miserable place I have ever seen! But there was the Equipment and parts, scattered amongst the debris. We only had a few hours before dark. The next day, the BULLDOZERS were coming to level the place and all its contents. Don and I began to dig. He had already scored some magnificent Darkroom equipment. I was interested in the Heathkits, and manuals. There was a whole file cabinet full of those, which I promptly took into protective custody.

Don beat me to a genuine Model T spark coil! I couldn't talk him out of it no matter what, as that would be a prized item for the Crest Radio Museum! I found a 1962 Heath IM-30 Transistor tester, just like the one I had bid for and won on Ebay 2 days ago. OK, guess I will have 2 now. No manual for it, though. I desperately needed that but there was no sign of it anywhere. The debris was just too deep and it was getting darker. All I had was my little mini Maglite to shine on the mess. And I sure didn't want to run into a ferocious Black

Widow! We waded through the broken glass and paper remnants, and there was another prize, a WW2 Remington Typewriter! I nailed that! We dug deeper in the electronics space and uncovered more Heathkits. No sign of any Ham equipment, but lots of test equipment. I abandoned most of it as the shadows began to choke the light. Just as we were ready to leave the room, I spied a shabby box with a Heathkit label. Could it be? YES! An UNBUILT Heathkit IP-20 power supply. Those who do Ebay know these are worth HUNDREDS of dollars! I carried that out like a football for a touchdown! But there was more! This was the greatest Treasure hunt of my life, and it was all I could carry!

The Towncar was filled to the brim with finds of a lifetime. There was so much more left there. Darkness grew deadly, and even the foolhardy would not be caught in there after dark. The Black Widows were massing for a KILL! We scurried out to safety, happy to have scored what we could. I would peruse the take in days to come. Some things were so valuable Bill Gates couldn't afford to buy them from me!

But late that night, I was HAUNTED! Yes, it was almost as if I had seen a Prophecy. Would this be what it is like 20 years from now when Treasure hunters break down the doors to get into the Crest Radio Museum? I could see my future as I lay awake, sweating. Yes, I would be repeating history. I know not this man, a brilliant engineer who was a worse Packrat than I. We only scored the top of the treasure trove. The rest is now on the way to the Landfill, never to be seen again. I KNOW there must have been money there too. It could have been THOUSANDS! Somewhere, stashed in an old can or jar, were wads and wads of bills. We just couldn't find them in time. They are also headed to the Dump.

What other treasures were lost? Maybe, under that pile of rubbish, was a Sonar CD-2 2 meter AM. Or a McMurdo Silver model 700? It was there. I could just feel it! Treasures so incredible man cannot comprehend their value! We were walking right over it. If ONLY we had more time! Cruel Cruel clock!

WOW! That was a day to remember for a Lifetime! Some Ham may be as fortunate to enjoy the dig in 2026 on the Haunted Crest Radio Museum. Yes, there will be wild finds there too. I should know. And maybe it will be YOU who finds them! ✱

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## About our Newsletter

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Submissions: [scope@palomararc.org](mailto:scope@palomararc.org)

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

## About our Organization

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, sailing, 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

## Meeting Location and Time

This month's General Meeting will be held on December 7, 2005 (the first Wednesday of each month) at the Carlsbad Safety Center. Talk-in on 146.730 MHz repeater. This month will feature our annual holiday social. Meeting starts at 19:30. Ridesharing and coordinating for dinner beforehand often occurs on the repeater on Wednesday afternoons. Everyone is welcome!