

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

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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:

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,

(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)

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.

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

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

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

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

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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760-744-0700

An address to remember:

www.rfparts.com

e-mail: rfp@rfparts.com

Send for your FREE 2004 Catalog or visit our website.

PARC Repeaters

Palomar Mt. Repeaters (W6NWX)

PARC Trustee: AB6QT

*52.680- W6NWX, -0.5 MHz

Autopatches:

146.730-, 147.075+

*147.130+, *447.000-

PKT:

145.050s (PALOMAR/W6NWX -1)

146.700- (Duplex Pkt) PALBBS/EMG

use

145.070/146.7- (W6NWX-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: W6NWX@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 W6NWX

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

W6NWX@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

W6NWX@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 4th.

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

H
R
O

Tom KM6K
Ron N6OMW
Jose XE2SJB
Bob KA6EKT

KENWOOD
rf **CONCEPTS**
DIAMOND
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COMET
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cushcraft
and
others too
numerous to
mention!

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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.

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

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://sanarll.org/alert.htm>

Tom's Hiker's - KF6PAZ

<http://www.fanciful.org/san-diego-hiker>

Echolink

<http://www.echolonk.org>

IRLP

<http://www.irlp.net>

The Friday "Lunch Bunch" de KA6K

www.KA6K.com

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
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.

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
Website: 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 9th, 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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