



Palomar Amateur Radio Club

June 2003

June Meeting

Wednesday June 4, 2003
Carlsbad Safety Center
1930 Local

PARC Repeaters

Palomar Mt. Repeaters (W6NWX)

PARC Trustee: AB6QT

*52.680- W6NWX, -0.5 MHz.

Autopatches:

146.730-, *147.075+
* 147.130+, *447.000-

PKT:

145.050s (PALMAR/W6NWX-1)
146.700- (Duplex Pkt) PALBBS/
EMG use
145.070/146.7 - (W6NWX-3/PALBBS)

ATV "OUTPUT":

1241.25 MHz. am

ATV "IN":

915 wbfm, 919 am, 2441.25 wbfm

Intercom:

146.415 PL 79.7 nbfm

Affiliated:

*224.38- & *224.94 KK6KD (HARS)
*447.05- & *145.26 KK6KD (HARS)
*146.175+ N6FQ(FalbrkARC) linked to
*445.600 MHz (-)
*224.90- WD6HFR (Convair/220 ARC);
446.14- WB6FMT(123.0)Vista;

* = 107.2 Hz. PL Tone

Hamvention Report

Dayton Hamvention 2003 is over, and I am pleased to tell you that of all the Hamvention's I've attended, this was one of them!

Hamvention started with the "red eye" to Dayton, via Chicago. If you ever want to know what the moon must feel like, try walking through Chicago's O'hare airport at 4:00 AM. Talk about desolate! Arrived in Dayton at 10:00 AM on Thursday, and there's KF6WTN (Mark). Without further waiting we are off to be the first to watch Matrix II as it was released that day. Don't bother with the movie, unless you are a special effects junkie. There is no story, just special effects. Thursday evening, Mark and I joined the IOOK "Gathering Of The IOOK Faithful", with dinner at the Toll House restaurant (16 oz T-Bone medium rare with all the trimmings, for \$11.95.....ahhhh, those East Coast prices). 6:00 PM, and time to venture to Hara Arena (Hamdom's Mecca) for the erection of the IOOK Tailgate Tent, also known as the IOOK Technology Center. That completed, it was to bed to rise early for the first day of Hamvention.

Friday, 5:00 AM: rise and shine to join the breakfast party. Hard to get going that early, but after copious amounts of coffee, and a rousing 5 egg, sausage, bacon, ham, and grits breakfast (\$5.00), it is time to endure the Byzantine Hara Arena entry rules and open the Hamvention tailgating. 7:00 AM and we throng to the arena tailgate entrance together with 8000 other hams, all trying to be first to run through the entrance, and shop for those bargains! We joined the rest of the IOOK at the tailgate tent, and started selling junk.....err treasures. 8:00 AM, the arena indoor exhibit area opens, and it is time to see the primary objective: the Yaesu, ICOM, and Kenwood booths, with every goodie on display, and the announcement that at noon ICOM will unveil their new radio. Unseen by Hamdom eyes, it sits shrouded on a pedestal, with guards surrounding it assur-

ing us it will be a first! Off to make the rounds. HRO, AES, Amcom, U.S. Tower, MFJ, Diamond Antenna, Radio Shack, HyGain, Cushcraft, Tarheel Antennas, Wireman, Cable Experts, RF Connection, Palomar Engineers, Alpha, Ameritron, ARRL, CQ Magazine, RSGB, Various MARS chapters, NICAD Man, Batteries America, Echolink, American IRLP society, DXCC checking, etc, all in one place! The drooling is endless, the special Hamvention prices inviting, and the talk with the experts is endless and fun.

Noon Friday: some 500 hams jam themselves in front of the ICOM stage for the unveiling of what we learn is the ICOM-7800IC, HF-VHF transceiver. WOW! What a beauty. Look at that display, and all those bells and whistles. The ooohs and aahhhs are endless, the religious wars start as to who makes the best radio, and the reputed price of \$5,500.00 phases no one. We never did get a hard number on offering price, so save your pennies. Noon, and it is my turn as Chef at the IOOK Tech Center. Lunch served for 30 IOOK Vice Presidents, and it is time to make the rounds of the tailgate area. This labor takes more than a day, so the area is divided in thirds, one-third per day. One starts noticing the "thrust" of the year. Dayton 2003 seems aimed at the used laptop market. Everywhere, there are small cottage industry vendors selling nice laptops that were state of the art two years ago, and are now discards from corporate America. The prices range from \$299.00 - \$1200.00, and I pick up a Dell Inspiron 400 cpi, P2-400MHz, 10GB drive, and all the trimmings (CD, Network Card, etc.) for \$399.00. The choices are endless. Friday night wraps up at 11:00 PM. The feet are sore, the eyes are burning, the visions of goodies are all merging into a blur of dreams.

Saturday, 5:00AM: rise and shine to day two! Same approach to breakfast, though this time it is biscuits, gravy, sausage, eggs, bacon, and grits (\$4.50). 8:00

AM and the crowd is larger than yesterday. Probably 10,000 by the time the day ends. This is always the biggest day at Dayton, and also the day I finish walking the tailgate area. Saddle up with the tote bag and start down the endless aisles of tailgate offerings. Antique radios, antique ham gear, recently used rigs in mint condition, the Heath-kit vendor with many a Heath treasure, amplifiers, antennas, software of every possible use, GPS equipment, ham radio clubs with their displays and community sales, trinquet vendors, hardware, tools, aluminum welders, giant and small test equipment, Tektronix, Packard bell, HP, used commercial repeater systems (GE, Motorola, RCA, etc.). How many Motorola hand-talkies can one person sell?, 10:00 AM and I am only through one lane of tailgate displays, 10 more lanes to go, and it starts to rain. Break out the umbrella, go back to the IOOK tailgate tent, and hunker down to tell tales while *the day is a rain-out. Totally typical Dayton weather has done it again!* Spend the day between the tailgate tent, and inside the main arena talking with the masters, and listening to the presentations. Chat with Martin F. June (CEO of MFJ) to hear what he is planning as new MFJ equipment. Then on to the Fluid Motion antenna booth to see the inners of their antennas, and watch how they operate. Next, onward to the AM-SAT booth to talk about satellites, and see some of their nice presentations, followed by a tour of the logging program developers (NA, WriteLog, DX4WIN,) and *speaking with the guys who write the code* that we all buy in their software. It is 3:00 PM and still raining. Hunker down and sell goodies to the brave and stouthearted hams who are still strolling the tailgate area in the rivers of water (we are on raised flooring!). Saturday night it is the IOOK banquet, and to bed early (11:00 PM). Ohhhh my aching feet and tired eyes!

Sunday, 5:00 AM rise and shine, breakfast, and back to Hara Arena. Overcast and damp, yet bearable. But, the tailgate area confirms the suspicion. Mostly vacant space. *Dayton 2003 is a washout!* Back in to the arena to catch final glimpses of the show. Yaesu and ICOM booths are quiet, so we get to talk with the engineers about the details of the master rigs, and also get to play with the ICOM 7800IC for a few min-

utes. Over to the HyGain display to talk with the antenna designers and learn about the inside of the new verticals, and how they avoid need for traps. Neat! 12:00 PM and I am off to serve the final lunch to the gang. 1:00 PM and the show closes. Disassemble the tailgate tent, and I get appointed to walk in to the main arena to check the grand prize drawings. Well, well, well..... IOOK VP WA8ZWJ (Keith) wins 4th grand prize, a brandy new ICOM-746PRO. I get to deliver it to the IOOK final dinner. We all drool over it, drink a toast, and spend the evening reminiscing about the show's happenings.

Monday 4:00 AM: Settle the hotel bill, make reservations for Dayton 2004, get to the airport, make reservations for the round trip United ticket for Hamvention 2004, and off to San Diego.

Dayton Hamvention: The Greatest Ham Show On Earth. Will I see you there next year?

73 de NN3V

OPEN IRLP NODE

To answer some inquiries I've received on the air and by email: My 449.300 repeater, formerly and for several years at 446.400, and co-located at the Palomar Mountain site with the PARC club repeaters, has been a dedicated IRLP (Internet Radio Linking Project) node for about a year now.

The use of the node (#7870) is open to all amateurs, and of course PARC members are especially welcome. The PL is 100 Hz. This privately owned repeater is not affiliated with the WIN system or any other organization and dues are not accepted. For those who aren't knowledgeable about IRLP, operating protocols and other information can be found at <http://www.irlp.net>. The website lists the over 800 nodes and reflectors now operating in several countries, and gives other information relating to the IRLP system. IRLP is a great way to talk around the world on a 2-watt handheld!

Erik, KA6UAI. ka6uai@amsat.org

Volunteer's Needed

PALBBS is looking for volunteer(s). Our packet BBS (PALBBS) requires one or two hams to help with the remote management the system. The tasks can be performed from your home, as long as you have access to a computer, any simple terminal program and a dial-up modem (local number in Vista, CA).

The work requires regular access to check the system, change the monthly announcements and release/manage messages that have been held. This typically requires a few minutes per day and can be performed at anytime. Please note that I am also assisting so the tasks are shared. Full training will be provided at your home by the main SYSOP (Bruno,W6AFK).

Club Membership

New Members Joining PARC:

**WB6JDQ, WB6YXY,
WA6ODE, WB6UDO,
K6QDU, KG6KTY,
KG6QNJ, KG6QNI.**

And apologies to **KC7WOW** who was a new member last month, and this membership guy didn't include her with the rest of her family, **KC7VXL** and **KC7VXK**.

KD6VHI extended membership for 5 years, and **W6GDK** extended to 10 years. Thank you!! We had 3 "old" members reinstate their membership after considerable delay. Welcome back.

AI, W6GNI

New License Plates

Have you ever seen license plates that look

like Amateur call signs? Did you ever wonder how they got them? It's not as hard as it seems. All it takes is \$21.00, DMV form Reg 17a, and a copy of your valid FCC license. The DMV form can be downloaded from <http://www.dmv.ca.gov/forms/reg/reg17a.pdf>. There will be copies of the form at the meeting. Filing the application is allowed by mail or you can go into your local office.

Unlike Environmental License Plates there is no additional yearly fees above your regular registration fees. A duplicate for a lost plate is \$8.00. If you reassign the plates to another vehicle the fee is \$12.00.

What a deal! For a one time fee you can show your achievement and privilege of being an Amateur Radio Operator. It has been said that less than 20 percent of the amateurs proudly own Amateur license plates. At these prices there should be over 80 percent. Now that you know, join the growing crowd of proud Amateur Radio Operators with Amateur plates.

Mine are coming. KD6TUJ

New Equipment Loan Program

At the May 2003 meeting, the Board approved the new Loaner Equipment Program as proposed by W6MBM Mike. The club has a limited supply of equipment for loan and is in the process of completing the inventory process. Several radios and related equipment will be available. The application form below outlines the goals and expectations of the Program. Watch the Scope for more information in the coming months on this exciting new program!

Mike, W6MBM

FCC Notification

I urge everyone who has any interest in HF communications to file comments

The Newcomer's Corner

PARC extends a special greeting to all of our new members, especially those who are new to ham radio! The following benefits are part of your membership:

* A roster of the PARC membership is available from Al Donlevy at the meeting or by email at W6GNI@amsat.org.

* Auto-patch access (PIN registration and instructions on operations) is also available from Al Donlevy.

* If you'd like a little extra advice from one of our experienced members, please contact Mike McMahan, W6MBM by email at W6MBM@amsat.org. He will match you with an elmer/mentor.

Don't forget our great website... www.palomararc.org. It has the schedule of the Nets, info on events, even pictures from the last picnic!

Again, welcome to PARC and congratulations on joining an organization that has been benefiting amateur radio in San Diego County since 1936.

Board Member representing New Members/New Hams

W6MBM@amsat.org

Free Tubes

PARC North County Tube Bank offers free tubes for club members. I will deliver tubes to meetings for personal repairs (not for commercial/resale). We have a good assortment of common types (1935-1970).

E-mail WB6IQS@juno.com or call evenings 760-727-3876.

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PARC Pre-Meeting Meeting

All PARC members, and any hams planning to attend the PARC meeting, are invited to congregate early in the Carlsbad area and enjoy dinner with the many meeting attendees who relax and enjoy socializing before the PARC meeting. Listen to the 146.730 MHz repeater starting around 5:00 PM, and you will hear members driving to various restaurants for dinner, and an "eye ball" with fellow hams. **A GREAT WAY TO ENJOY THE HOBBY!** See you there.

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

Jo Ashley KB6NMK@amsat.org

ASSETS 4/30/03

Cash and Bank Accounts	
CD	2,645.91
CD	2,768.93
CD	3,364.28
CD	2,811.02
Checking	3,857.31
Post Office	95.73

TOTAL ASSETS **\$15,543.18**

LIABILITIES

Pre-paid dues	13,407.00
Prop. Insurance	1,200.00

TOTAL LIABILITES 14,607.00
EQUITY 936.18

TOTAL LIABILITIES & EQUITY **\$15,543.18**

Committee Chairmen

AREInfo.	-Dennis S	K7DCG@amsat.org
Attendance	-Al	W6GNI@amsat.org
ATV	-Art	KC6UQH@amsat.org
Auction	-Jim C.	NE6O@amsat.org
Badges new	-Al	W6GNI@amsat.org
Batteries	-David	KD6EBY DAT@Gerry.Palomar.caltech.edu
BBS Monitor	-Bill B	N6FMK@amsat.org
Billing:Ads/etc	-Lyell K	K6GVM@arrl.net
By-laws	-Paul	NN6X@amsat.org
&	-Ron	RWA9JCL r3mb@concentric.net
Contest Info	-Dennis V	N6KI@amsat.org
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair-		
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	W6YOO@amsat.org
DennisV	-N6KI	N6KI@amsat.org
Field Day	-Charlie R	NN3V@ARRL.net
FDTech.	-John K	WB6IQS@Juno.com
Historian	-	
Interference	-	
Inventory	-Dennis B	KD6TUJ@juno.com
MtgGoodies	-Jim E	W6SST@juno.com
Membership	-Al W6GNI	aldonlevy@juno.com
Nets	-	
Newsletter	-Ron S	NA6RS@amsat.org
PALBBSpkt	-Bruno H	KF6QDP@amsat.org
Patch Info	-Stan R	W9FQN@amsat.org
PatchETronics	-Jerry H	WB6FMT@amsat.org
Picnic	-Paul D	NN6X@amsat.org
PowerAC/DC	-Mike P	KD6VHI@amsat.org
Programs	-Mark R	KF6WTN@amsat.org
Publicity	-Fred S	K6ISS@amsat.org
QSL Cards	-Merle R	KR6BT@Juno.com
RACESinfo	-Jo A	KB6NMK@amsat.org
Red Flag	-	
Rptr Site	-Mike P	KD6VHI@amsat.org
Rptr Skeds	-	
SANDARC	-	
SellerTable	-John K	WB6IQS@Juno.com
AstSWDvDir	-	
TechSite	-Mike D	AB6QT@amsat.org
TestingVE	-Rusty M,	DuneDancer@cox.net
Training	-	W6NWG@amsat.org
TrusteeW6NWG-Mike D		AB6QT@amsat.org

(Net Managers) (see pg.12)

ARES Sun	-	
Staff Net	-David D	KC6YSO@amsat.org
ARES 6m	-David D	KC6YSO@amsat.org
Ham Help	-David D	KC6YSO@amsat.org
Hiking	-Ed	KF6DXX@Juno.com
	-Glenn P	KE6ZLY@Juno.com
MARA	-Cathy	KE6IQU W6NWG@amsat.org
Microwave	-Kerry B	
Off Road	-Jerry A	jwak6pfp@cts.com
	-Dick W	KA7AYT rwilimek@home.com
Sailors	-Paul/Rod	NN6X@amsat.org / AC6V@amsat.org
Traffic(SDCTN)-Charles		N6TEP cmiele@juno.com

Questions about club policy or for information can be addressed to **W6NWG@amsat.org** or P. O. Box 73, Vista, CA 92085-0073.

EMAIL address for Website is **webmaster@palomararc.org**

Other addresses of interest:

Scope@palomararc.org

Board@palomararc.org

Membership@palomararc.org

with the FCC in response to their notice of inquiry (NOI) on Broadband Powerline Communications. For those who are not familiar with it, BPL is a system whereby existing low and medium voltage power transmission lines will be used to deliver broadband data services to households. The system is seen by many in the telecommunications industry as very attractive since it uses existing power line infrastructure rather than requiring new fibers, coax, or twisted pairs to be strung. The problem with the system is that power transmission lines are only really good transmission lines at 60 hertz. At HF frequencies where the new system would operate, they start to look like pretty good antennas.

Studies by ARRL indicate that if BPL is allowed to deploy in the United States under the current FCC part 15 rules, it could easily mean S9 + level broadband interference from 2 to 30 Hz. in all Metropolitan areas where BPL penetration is heavy. The Japanese have managed to prevent BPL from being adopted in Japan through a concerted effort on the part of JA amateurs. Once this genie is out of the bottle, it will be very hard to put it back in. The consortium that is behind this technology is backed by a number of top U.S. telecom manufacturers and they appear to have the ear of the FCC chairman, Michael Powell, a number of the FCC commissioners, as well as the NTIA administrator. The BPL industry will try to skirt the interference issue as this is its Achilles heal, so its important that amateurs make their concerns about interference known to the FCC.

If you have any interest at all in HF communications I again urge you to file comments in response to the FCC NOI. BTW there is also some indication that BPL proponents are eyeing lower VHF up to about 80 MHz as well, so don't think that this won't effect you if your VFO never gets lower than 50 MHz. The filing deadline will probably be sometime in mid-June (the exact date is 45 days after the NOI is published in the Federal register). For instruction on how to respond to the NOI, see the last few paragraphs of the following article: <http://www.arrl.org/news/stories/2003/05/08/3/?nc=1>

For more information on BPL, check out the following webpage from ARRL: <http://www.arrl.org/tis/info/HTML/plc/>

Ed Hare's report to the IEEE C63 EMC standards group on BPL gives a good technical overview of the interference potential:

<http://www.arrl.org/tis/info/HTML/plc/files/C63NovPLC.pdf>

Finally if you have access to IEEE publications,

Contest Corral

Jun 7 VK/ZL CW Contest
 Jun 7 IARU Region 1 Field Day
 Jun 14 ANARTS WW RTTY Contest
 Jun 14 Portugal Day Contest
 Jun 14 WW South American CW
 Jun 14 ARRL VHF QSO Party
 Jun 21 All Asia CW Contest
 Jun 21 SMIRK (6M) QSO Party
 Jun 21 WV QSO Party
 Jun 21 Kids Day Contest
 Jun 28 ARRL Field Day
 Jul 1 RAC Canada Day

June is not a great month for contests; however, the West Virginia QSO Party affords the opportunity to work a semi rare state for WAS. And of course the ARRL Field Day is a great club activity day. Rules are published in Amateur Radio magazines such as QST, CQ, NCJ, and Worldradio. CU in the contest.

73, Harry, W6YOO

P.A.R.C. Inc (2002 Board)

Pres: Charlie Ristorcelli NN3V
 858.676.3307 NN3V@amsat.org

VP: Mark Raptis KF6WTN
 760.749.4825 KF6WTN@amsat.org

Sec: Paul Williamson KB5MU
 858.571.8585 KB5MU@amsat.org
 760.742-9924 Palomar Mt.

Treas: Jo Ashley KB6NMK
 760.741.2560 KB6NMK@amsat.org

Dir#1: Merle Risdon KR6BT

Dir#2: Jim Cooper NE6O
 760-727-8446 NE6O@amsat.org

Repeater Site:
 Mike Pennington KD6VHI
 760.749-8888 KD6VHI@amsat.org

Membership:
 Al Donlevy W6GNI
 760.630.3096 W6GNI@amsat.org

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

Membership Committee: W6MBM
 Mike Mc Mahon KG6JMP@amsat.org
 (non-voting Member)

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Web Pages

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

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

ARES Alert Publication
<http://www.qsl.net/sdgarrl/alert.htm>

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

May Goodie's

Ed, W6ABE Dick, K6KAL
 Marvin, KD6YJB Jerry, KF6MYE
 Glenn, KE6ZLY

Last Month's Fold & Staple Crew

KR6BT Merle KB6NMK Jo
 KC6WAN Ralph
 KB6YHZ Art & KB6YHY Anita
 N6UZH Terri & Toby & Matthew
 W6GNI Al & Cathy
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Work Parties

From Mike KB6QT

A list of volunteers who are ready to go on work parties has already been started. If any others are interested, please drop an email to me, AB6QT@amsat.org, and leave me your phone number so I can give you a call. Recently, I advertised that work parties would likely begin in late May. Well, May is over, and it is now time to get serious about the plans. There have been several things that have slowed me, and there have been several things that have interfered with KD6VHI and his plans so things never got off the ground in May. Both KD6VHI and AB6QT have however made several trips to the site to take care of small items over the course of the winter and things in general have held together well. Mike Pennington (KD6VHI) and myself have talked several times recently and we are both trying to (get our plan together) for work parties, and we are confident that we will be going strong on the plans in July. IF our schedules don't change, we are going to attempt a work party on the 5th. of July and/or the 6th. of July and perhaps another one in late July. Please watch the SCOPE for the confirmation of these dates!

Thanks, de AB6QT

Site Maintenance

5-11 AB6QT went to the repeater site to reconfigure some of the new batteries from parallel to series and to install a charger. On 5-14 a trip was made to make adjustments on charging rates. On 5-18, a better charger was installed and then again on 5-20 an adjustment was made. These are the batteries that form the NEW bank that has never been connected to the PARC system, but will be soon!. Mike Pennington and his friend STEVE (has a callsign but I forgot what it is .. sorry) have done a fantastic job on re-working the block building for the new bank.

 W6NWG Packet Backbone. FYI users!. A problem has been reported with the packet backbone and I have determined that the transceiver has a problem that comes and goes. It may be temperature related, but I am not sure yet. I will have to take it off the hill for repairs and I expect to do that some time during the first week in JUNE. I expect to have it back within a week from the time I take it home. Hang in there!.

FYI

KÄRNTEN (one of the states of Austria) has 8 pairs of alternating dits and dahs in Morse code (_ . _ . _ . _ . _ .)

A Finnish partitive case "of a shoe" has a total of 17 alternating dits and dahs: **KENKÄÄ** (- . - . - . - . - . - .)

A Finnish tongue twister for "a water devil hissed in the elevator" has 56 dits in a row in Morse code. It has a total of 60 dits and 3 dahs which is the greatest ratio (20:1) known in any mix. **VESIHIISI SIHISI HISSISSÄ** (... -)

MOTMOT (a tropical American bird) and **TOM-TOM** contain only dahs in Morse code (_ _ _ _ _ _ _ _ _ _ and _ _ _ _ _ _ _ _ _ _)

SHEESHES (plural of SHEESH) may be the longest word containing only dits in morse code (... , ... , , , ... , ... , , ...) The longest palindrome in Morse code is **INTRANSIGENCE** (.. _ . _ . _ . _ . _ . _ . _ .)

Iowa Street Students Meet Andrey Teterukov, EU7SA

On Friday April 25th, during their weekly meeting, the students of the Iowa Street School Amateur Radio Club were privileged to meet Andrey Teterukov, EU7SA, a Belarusan Amateur Radio operator. He was on a whirlwind tour of California with his "DX" friend Robert W. Grimmick, N6OX from Rainbow, California. Grimmick and Teterukof had met years earlier after the Belarussian and Grimmick exchanged a DX contact. This was a "dream" trip for Teterukov, to visit the United States and attend the 54th annual International DX Convention will be in Visalia, California on May 2, 3 and 4, 2003 with Bob Grimmick.

Bob Grimmick was able to share his experiences as as Amateur Radio Operator from the US visiting Belarus. He shared a story of the "pileups" he heard as he called CQ DX from Teterukov's QTH. Andrey Teterukov told of his life as an Amateur Radio operator in Belarus. The student were able to ask a variety of questions from operating practices and license privileges in Belarus to what it was like shopping for food in Mogilev, the city where Teterukof resides.

Along with a unique experience, the visitors left the students of Iowa Street School with Belarussian posters and plaques for their classroom as well as individual QSL cards for their collection.

Teacher and Amateur Radio Operator Phil Leonelli, WF6L has been introducing "ham" radio to the students of Iowa Street School thanks to a grant of radio equipment and textbooks from the Amateur Radio & Technology Education. program sponsored by the ARRL.

Phil, WF6L

(Photos Next Page)

Phil Leonelli
Teacher Support Tech
Iowa Street School

An Amateur Radio
Education & Technology Program
Pilot School

321 N. Iowa St.
Fallbrook, CA 92028
760-723-7072




Iowa Street students learn about ham radio

Michaela Casey, logging in by computer, and Brenna Cashman, at the microphone, talk with Takashi Hasebe (JA0DCQ) from Nagano, Japan, via the Iowa Street School Amateur Radio Club station.

Teacher and amateur radio operator Phil Leonelli (WF6L) has been introducing 'ham' radio to the students of Iowa Street School thanks to a grant of radio equipment from the Amateur Radio Relay League, a national organization representing amateur radio operators in the United States.

PHOTO COURTESY OF PHIL LEONELLI

For Sale

(5.18) **2 Citech Dot Matrix Printers** Model 310 w/manual \$30.00/ea. **Regency Model HR-6** 6 Mtr FM Transceiver w/10 pairs of xtals. \$40.00, **Yaesu FT-230R** 2 Mtr FM Transceiver w/SS32 PL board. \$100.00, **Realistic HTX-202** 2 Mtr FM Handheld w/alkaline Batt pack. \$50.00, **AEA PK-232MBX** w/manual and ac power pack. \$50.00, **Demon Dialer** w/manual and ac adaptor. \$30.00, **MFJ-941D Versa Tuner II** antenna tuner. \$60.00, **Kenwood ST-2 Base Charger** for Kenwood TR-2500 handheld. \$30.00, **Kenwood W09-0315 Wall Trickle Charger** for TR-2500 handheld. \$10.00, Dennis K7DCG @ 858-748-9046 or email: K7DCG@arrl.net

(5.13) **Swan 350 with 117XC PS & Desk Mic** \$185.00, **Atlas 215X** with lower output on 160,80&40 \$80.00, **Atlas 210x** no TX or RX \$40.00, **Swan PSU-5 PS** \$75.00, **Swan WM-3000 Peak Reading Wattmeter** \$40.00, **Drake DL-1000 Dummy Load** \$60.00, Nye Viking **Low Pass Filter** \$15.00. Jim WB6YxY 760-758-7655 jkeller@cox.net.

(2.22) **Alliance Heavy Duty Rotator, HD73**, new, unpacked, \$100, **Kenpro KR-400 Rotor**, used, new control box, \$50, **Honda portable gen. EM-400**, 300w, 120v, 12v, \$200, **Koolatron 12v thermal electric cooler/warmer**, \$30, Ivan, W6TET, 619-276-7148, 858-273-0219

(2.22) **4 El 10 Meter Yagi Beam** All stainless hardware w/W2DU Beam 50 Ohm Balun. Only up for short time, Very clean, Works very well. \$75.00 OBO Bayard K6GAO 858-755-5507

(2.12) **PALM V** Accessories, 1 serial Hot Sync, 1 USB Hot Sync, 1 Portable charger, 1 leather case. \$15 each or offer, Gayle, K6GO 858 673 9201 or k6go@amsat.org.

(1.20) **Uniden Bearcat Scanner** Model # BC890XLT, Like New with Hamtronics Pre-Amp. One Owner asking \$75.00 OBO. Call Bayard K6GAO at 858-755-5507. I also Have for Sale (1) **Speaker** Kenwood Communication Asking \$10.00.

***Personal equipment ads** are free to members and could be "bumped" after 3 months. Make up your ad like the ones on this page. Send to Scope before the 18th of each month.*

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

SCOPE@palomararc.org

I Have (1) Kenwood SP-70 For Kenwood VHF Radios Asking \$15.00 OBO. Call Bayard K6GAO 858-755-5507.

(11.11) **Yaesu FT-1500M** Like New in Box with ADMS-2F computer Program and Cable for interface for programming freqs. into radio. Please Call Bayard K6GAO at 858-755-5507. You Can E-Mail me at rehkopf@mail.sdsu.edu.

(10.25) Radio Shack 300-Channel **Handheld Trunk Tracker Scanner, Pro-90**, Like new in box 80.00. Louie KF6QBS. 760-727-0846. kf6qbs@amsat.org.

(10.3) **Bencher Paddle Keyer** and **MFJ automatic keyer** (curtis chip). Like New! \$75 Bob AC6JG 760 207-9045.

WANTED:

(4.10) Mid sixties color CRT. Number RE21FJP22 OR RE21FBP It does not have to work, but it does have to be under vacuum. de AB6QT Mike. 760-742-1573 or email at ab6qt@amsat.org.

(4.2) Heathkit SB 200 Amplifier. Must be in good condition. E Mail: W7OOS@Cox.net.

(3.1) Medium to heavy duty shelving needed. Prefer 18 inch deep. For use in the PARC cargo container. Call Dennis KD6TUJ for drop off or pick up. 760.722.0251

The cargo container, now hosted by TOWizard, is continuing in it's organizing. Most items are now on shelves, but we can use more. The club has taken in donations from two past members recently. Several antennas, some test equipment, and lots of parts.

STOLEN!! Icom IC-706 MKII
Serial # 010954
(KH6OG) Bill
619 237 1142

Field Day Calendar

When?

June 27th - 29th, 2003

Where?

Carlsbad Safety Center

What?

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

Next?

FD Planning Net starting April 9th, 8:00 - 9:00 PM 146.730 MHz Repeater

Needed:

Volunteers to organize, collect, and set-up equipment

Interested?

Contact NN3V@amsat.org

Or

Join The FD Planning Net

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

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



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

See catalog at www.Palomar-Engineers.com
Please check our complete ads in **QST, 73, CQ, and World Radio** magazines.

PARC NETS

Sunday	0830	146.730	ARES
Sunday	1000	146.730	Sailor's Net
Sunday	2045	147.075	MARA Emergency Services
Monday	1915	146.730	RACES Sub-Net
Monday	2100	146.730	Microwave Net
Tuesday	2100	146.730	Off-Road Net
2nd Wed	2100	146.730	PARC Board Net
Thursday	1930	147.075	Young Hams Net
Thursday	2100	146.730	Ham Help Net
Friday	2100	146.730	Hiker's Net
Saturday	2000	52.680	6 Meter ARES Net
Saturday	2015	147.130	ARES Staff Net
Tue/Thu/Sat	2000	146.730	NTS Traffic Net (SDCTN)

PARC Testing

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

Contact Rusty **AA6OM**
760-747-5872 or dunedancer@cox.net

EARS Testing

Escondido - LAST Saturday at 9:00 am
Chamber of Commerce
720 N. Broadway, Esc 92025

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

Register 5-7 days in advance for tests.

Repeater Status

146.730-	:	Normal
147.075+	:	Normal
147.130+	:	Normal
447.000-	:	Normal
52.680-	:	Normal
146.700-	:	Packet Repeater Normal
145.050	:	Packet Digi Normal
PALBBS	:	Bulletin Board Normal
AutoPatch	:	Normal
ATV	:	Upgrading

HAM

RADIO

OUTLET

H
R
O

Tom KM6K
Ron N6OMW
Jose XE2SJB
Bob KA6EKT

KENWOOD
rf **CONCEPTS**
DIAMOND
US TOWERS
KANTRONICS
YAESU
MFJ, ICOM
BENCHER, Inc.
HUSTLER
COMET
AMERITRON

Astron, AEA,
OUTBACKER
Larsen Antenas
TEN-TEC
Hy-Gain,
Tri-EX,
Cushcraft

and others to numerous to mention!

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

Open: 10 a.m. - 5:30 p.m.
Monday thru Saturday *Ask about our great prices*
858 560-4900 or toll free
800-854-6046
5375 Kearny Villa Rd, S. D.

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.

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

Address Label Here



SCOPE

● ● ● — ● — ● — — — ● — — — ● *also ATV & 4 Autopatches*

Palomar Amateur Radio Club Inc.

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Editor: Ron Surfield NA6RS, 2605 Emerald Pl., Escondido CA 92027
Scope address for newsletter: scope@palomararc.org

Send \$12 Dues To:
PARC, P.O. Box 73
Vista CA 92085-0073

