SCOPE November 2007

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

Club Meeting – Officer Nominations, Icom's D-STAR, and SDARES
7 November 7:30pm at the Carlsbad Safety Center

Technician License Class
10 November in Chula Vista

Board Meeting
14 November 7:00pm at W6GNI QTH

Extra License Class
8 & 15 December at Carlsbad Safety Center

President's Message

By Steve Early AD6VI

October got off to a rocky start. As of this writing, the smoke is literally still rising.

Upon arriving at the Carlsbad Safety Center for the annual PARC auction, PARC discovered that we had been displaced, again, by a forensic photography class that was "scheduled" until 5:00 PM. Needless to say, we are talking the city of Carlsbad about this. Being amateur radio operators accustomed to adapting to adverse conditions, we simply set up outside by the entrance and had our auction by LED flashlight. The weather cooperated and good times were had by all.

The tower re-sealing saga continues. We received the industrial grade paint that will be used and we pressure washed a good portion of the tower. There was hope that we would get to it this weekend (10/27 and 10/28), but other events have driven a different schedule.

About a week and a half ago, the National Weather Service predicted a Santa Ana wind and it came. Along with it came the Harris fire, the Witch Fire, and a host of others, starting on Sunday, October 21st. I do not yet have full details, but PARC members started the Fire Information Net on 147.73 and continued it until the repeater finally went of the air Wednesday or Thursday. These people should be commended for their service in getting information to the amateur community.

The Red Cross utilized the 147.130 machine on an informal basis until it failed, and then switched over to the 147.075 repeater, which was being used by various MARA sub-units.

As a side note, MARA has priority on the 147.075 repeater during emergencies because MARA supplied the repeater and cavities to PARC many years ago. In the interest of community service MARA agrees with the PARC policy of equal communications access in an emergency. This was well demonstrated when the ECRA 147.030 repeater failed and the SDGARES EMS Net needed another place to operate. The EMS Net agreed to provide net control functions and included ALL parties that needed to use the 147.075 machine. EMS had the bulk of the traffic, so it made sense that they, rather than MARA, would provide net control. This was a very good example of the Amateur Radio Community working together.

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In the meantime, back at the repeater site, there was trouble. The Poomacha fire started October 23 as a structure fire on the Lajolla Indian Reservation. As of the morning of 28 October, it has burned 49,150 acres and is 50 percent contained. Evacuations are still in place for the communities of Valley Center, Rincon, Pauma Valley, Pala Reservation, and Palomar. This fire is still active on Palomar Mountain and came to within a few hundred yards of the repeater site. For those that know the area, the fire was stopped below the repeater site at East Grade Road.

PARC, along with many others, is fortunate that it was spared the loss of property. The site lost commercial power in the early morning of Monday, October 23rd. The repeater system switched over to the battery back-up automatically, as expected. Mike Doyle, AB6QT, was able to make one visit to the site on Monday evening to provide a partial charge to the battery system. Soon afterward he, along with all other residents of the mountain, was evacuated. The site continued to operate on the 40-year-old batteries for a few days, but age took its toll. PARC lost the 147.130 repeater to a transfer switch malfunction, but 146.73 and 147.075 and several others continued to operate. Eventually, all the repeaters succumbed to low voltage. The last was the 147.075, which was reported to have given up early Thursday morning. As one would imagine, PARC leadership (the Board of Directors and the Technical Committee) were already looking at contingency plans for: 1) If the site was destroyed, or 2) It was simply out of power. Early on there was discussion of cobbling together a couple of repeaters and hauling Field Day equipment up the mountain to get on the air, if the site had burned. Fortunately, this was not required, so the discussion moved on to getting access and re-introducing power to the site. At that point SDG&E said October 8th. At this writing, SDG&E says October 11th. This meant that it was up to PARC to fend for itself.

Working with a couple of agencies, a work party of four was able to get to the site on Saturday morning, October 27th. Dan Bubke (Repeater Technical Chair), Mike Pennington (Repeater Site Chair), Glenn Jones (MARA Net Manager) and I were able to visit the site, reconfigure equipment and get two repeaters (146.730 and 147.075) back on the air on emergency power. To keep things going, we will need to visit the site almost daily for the next two weeks. This will be an on going effort.

In addition to all of those that helped the Fire Net, I would like to thank all of those that helped each and every place they could. We must remember those that were injured, have been evacuated, and that have lost their homes and livelihoods. The next few weeks and months are going to be challenging to most of us, and the next few years will be challenging to a number of us, our friends, and associates.

Looking down the road:
The November meeting will feature nominations for PARC President, Vice President, Secretary and Treasurer. Please talk with the Nominating Committee (Jo Ashley, Jim Egerton and Tony May about your preferences.

I expect we will have a report on the repeater site as well.

For those wanting to upgrade, the 27 October one-day General Class was a casualty of the fire, but will eventually rise from the ashes.
The Two-Day Extra Class will be held on December 8th and December 15th at the Carlsbad Safety Center. See www.palomararc.org for details.

I hope to see you on November 6th. Bring a friend!

Steve Early AD6VI

November Membership

New members joining PARC:
This month is off to a slow start.
Zero new members, so far!

Watch for the colored "Please renew now" and avoid the dreaded red "Last Issue" on your SCOPE label. "Last Issue" means your membership expires within a few days, or has expired very recently.

As most know by now, your investment in repeaters, batteries, etc. has paid off again with the recent fire emergency. You and the ham radio community can rightfully be proud; hopefully proud enough to maintain your membership in PARC!

Al W6GNI

October Fold & Staple

Sonny WA5ACE, Jo KB6NMK,
Al W6GNI, Harry W6YOO,
Art KB6YHZ

Licensing and Class Information

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

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

 EARS Testing is in Escondido on the Last Saturday of the month at 9:00 am at the LDS Church.
The address is 1917 East Washington Avenue , Escondido , 92025.
Contact Harry W6YOO (760) 743-4212 or W6YOO@amsat.org.

 Extra License Class 8 & 15 December at Carlsbad Safety Center

Technical Equipment Available for Loan To PARC Members

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

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

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

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

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

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

Art, KC6UQH

Electronic Meter Interference

I have heard other guys in our Fallbrook ARC talking about the new electric meters and possible interference. I have done some research and found the manufacturers website with many details.

http://www.gepower.com/prod_serv/products/metering/en/utility_revenue_meters/kv2c_encompass_elec.htm

73
Dave Bannerman KI6GVL

Time Machine

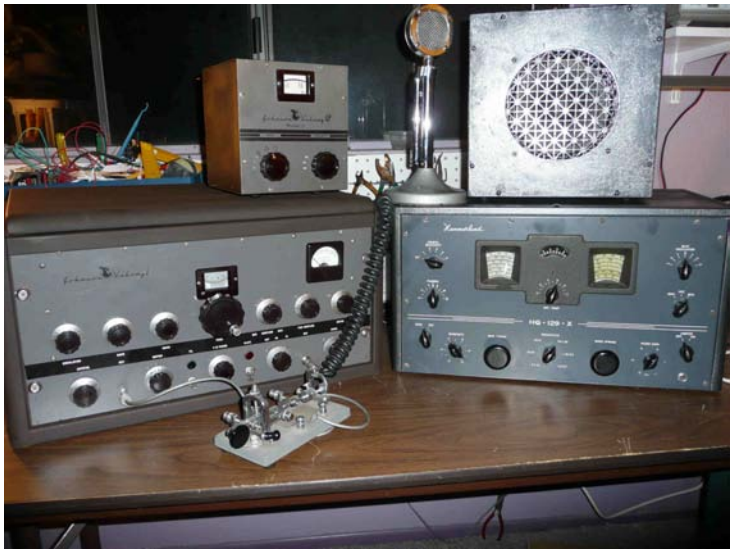
By Ron Pollack K2RP

We've been turning back the clock to the 50s to look at what ham radio was like during that decade. This month, we'll turn that clock back even more, to the 1940s!

During the war years, from late 1941 to 1945, ham radio activity was virtually stopped. When the war ended, there was a great demand for new radios. Several factors fueled this demand. Many GIs were trained in electronics and communications, and developed an interest in amateur radio. The technological advances that came out of the expanded need for communications rendered many pre-war units obsolete. And, much privately owned equipment went to the military for war needs. Meters especially were in great demand.

Just as the first postwar cars were very similar to their counterparts made just before the war, the first commercial available amateur receivers were very similar to the ones in pre-war production.

Recently, I was fortunate enough to acquire an example of Hammarlund's first post-war receiver, the HQ 129X, shown on the right in the photo to the right. In 1938, Hammarlund had introduced the HQ 120X, a general coverage receiver with bandspread on the ham bands, with some novel and innovative features. Most of the better receivers of the era had an RF stage and two IF stages. The HQ series, which continues through several improvements such as the HQ 140X and HQ180, had three IF stages. Not only did this increase sensitivity, but the extra tuned circuits improved selectivity as well. Instead of the three section variable capacitor that was common, the main tuning had six sections and the bandspread had nine! This enabled each band to be spread over the entire tuning dial, making tuning on the high bands much easier. Also included was a 5 position crystal filter with phasing control, for remarkable selectivity. The large tuning capacitors and rugged construction made the HQ 129X one of the most stable of its era. It was probably the most popular in its $180 price class, especially since it was introduced at $129. Several minor improvements were made during the production run, which ended in 1953 with the introduction of the HQ 140X, which used miniature tubes in place of the octals in the previous models. One change that was made around 1951 was the inclusion of calibrated bandspread for the 15 meter band, which became available for amateur use around this time.



One disadvantage of the 3 IF stages and steep skirt selectivity is that alignment

requires a sweep generator and oscilloscope, instead of just a signal generator and VTVM.

When I received this unit (see photo page 4) from a longtime Palomar member, it was complete but dirty. The line cord and filter caps had been replaced, and the receiver was operable. However, all the old wax bypass and coupling caps were oozing, so all were replaced by modern polystyrene ones. This improved performance and stability enormously, and no further alignment was done. It is even stable enough to receive SSB signals. Since there was no product detector, in order to receive sideband signals, the routine is to advance the AF gain all the way and use the RF gain (labeled "Sensitivity" on this one!) as a volume control. As was common in receivers of this age, the AGC is disabled when the BFO is in use, so strong SSB signals will overload the front end.

The speaker shown in the photo on page 4 is not the matching unit, but is one common to the period.

The transmitter shown is from the same era. It is a Johnson Viking I, introduced around 1948. It was available in kit form for about $210, and assembled for about $260. The matching VFO added another $42 in kit form. Output was rated 115 watts on CW, 100 on AM phone. The EF Johnson Company was well known for producing high quality heavy duty components, and I believe that this was their first entry into the transmitter field. Their success inspired many more transmitters and accessories for a number of years.

This was one of the first complex transmitters offered in kit form. The prices did NOT include tubes! Shown with the transmitter is the matching Johnson Viking VFO. VFOs were not as common in those days. The transmitter has sockets for 10 crystals, selected by a switch on the front panel. Changing crystals involved opening the lid on the top of the unit. This was easy, until some modifications were made. More on this later. Provision was made for powering and keying the VFO via an octal socket on the rear apron, and a SO239 coax socket brought the VFO signal to the transmitter. The VFO was selected by an eleventh position on the crystal selector switch. An unusual final tank circuit was employed. The typical bandswitching transmitter had a heavy duty bandswitch to switch the oscillator, buffer, and final tank circuits to the appropriate band. Typically, the bandswitch section in the final tank circuit was used to short out turns in the final tank inductor to resonate with the tuning capacitor in the desired band. In this design, the capacitor and a variable pitch rotary inductor are geared in tandem continuously to resonate in the desired band. The big dial and crank knob in the center of the panel is used to tune the final. At first glance it looks like the VFO tuning, but as mentioned, the VFO was external. The system works smoothly and flawlessly, and I wonder why it wasn't used in other designs. The heavy duty switch is eliminated, with its common arcing and burning problems.

Although it sold very well, this model was only made for about two years before being replaced by the even more popular Viking II. Several factors dictated the new model. The 4D32 tube, although rated conservatively, was quite expensive. Remember, the tubes were not included in the purchase price! Perhaps a bigger factor was that there was no TVI proofing in this design! This may sound strange, but remember, in 1949, there were few TV sets and fewer TV stations! By the early 50s, though, TVI was a major headache to amateur radio. Johnson offered a TVI proofing kit, which has been installed on my unit. The kit consisted of filters on the filament, AC, and keying lines, and a perforated cage around the sides and top of the chassis and a solid plate on the bottom of the chassis. Unfortunately, a number of screw holes

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needed to be drilled through the front panel. (www.rigpix.com has many photos of old gear. Their photo of the Viking I also shows the screw holes holding the shielding in place.) Even more of a problem is that if using crystal control, the 10 crystal sockets are now underneath the shield. Changing crystals now involved removing more than a dozen screws! The Viking II was designed with TVI proofing, and used a pair of 6146 tubes in the final, which were more reasonably priced. The power was a bit higher as well.

Also shown in the photo are a couple of period accessories. One is a Vibroplex "bug," or semi automatic key. Pressing the lever one way closed the contact as in a conventional key. Pressing the other direction activated a vibrating bar that made a string of automated dots. The position of a weight along the bar regulated the speed of the dots. These were very popular for decades, until the advent of the electronic keyer, which made both self completing dots and dashes. The D 104 Astatic microphone (the "lollipop" mike) was a common fixture in hamshacks from the 30s thru today.

I've been having a great time with this setup. There is some AM activity, especially on 75 meters, but most of my contacts have been on CW. Any of our "old timers" who wish to revisit the past are welcome to get in touch with me, visit, and make a few contacts the same way it was done in 1949. The same invitation is extended to anyone who wants to get a feel for how things were in that bygone era!

Ron K2RP

Annual Auction Convenes in the Dark

photos by Dennis Baca

PARC's annual auction, held at the October membership meeting, had to relocate outside the building due to a scheduling conflict with a forensic photography class.

Tables were set up outside and the auction items were tagged and displayed. A laptop computer with spreadsheet program was used to track the sales. Art KC6UQH served as auctioneer. With a flashlight, he examined and introduced each item. Auction participants then bid on the item.

Gross proceeds from the auction were $1393.00 giving the club a profit of $620.80.

Club Classified Advertisements

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

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

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

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

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

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

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

Reloading Equipment: Pistol / rifle dies, Rockchucker press, Lyman press, accessories, brass, copper jacketed bullets, lead casting molds and furnace. Lots of cast lead in small ingots. Best offer for all or parts. WB6IQS@att.net, John 760-727-3876.

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

ICOM IC-2100H 144 MHZ Transceiver
SAMLEX SEC1223 DC Power Supply
ARX2B RINGO RANGER II Antenna

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

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

(6.30) Cushcraft R-8 Vertical Antenna, New In Box, $375.00 (New $550.00). IC-756PRO II Transciever with IC-PS125 Power Supply, Never Used, Purchased Feb. 2005 from HRO, Original Cost $2399, Will Sell for $1975.00. Selling because of CC&R Issues.
Call John N6LMY rohring@sbcglobal.net or (760) 602-5041

Palomar Amateur Radio Club Board of Directors Meeting (approved minutes)

September 12, 2007

The meeting was called to order at 7:20 PM by President Steve Early AD6VI. The meeting was held at the house of Al Donlevy, W6GNI

Present were:
President Steve Early AD6VI
Treasurer Bob Birch KG6RGI
Secretary Gary Kent W6GDK
Director #1 Tom Martin KG6RCW
Membership chair Al Donlevy W6GNI
Repeater Tech chair Dan Bubke K6NKC
Scope Editor Michelle Thompson W5NYV
Guest Conrad Lara KG6JEI

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Contest Corral

Contest	Time and Date
IPARC Contest, CW	0600Z-1000Z, Nov 3 and
	1400Z-1800Z, Nov 3
Ukrainian DX Contest	1200Z, Nov 3 to 1200Z, Nov 4
ARRL Sweepstakes Contest, CW	2100Z, Nov 3 to 0300Z, Nov 5
NA Collegiate ARC Championship, CW	2100Z, Nov 3 to 0300Z, Nov 5
IPARC Contest, SSB	0600Z-1000Z, Nov 4 and
	1400Z-1800Z, Nov 4
High Speed Club CW Contest	0900Z-1100Z, Nov 4 and
	1500Z-1700Z, Nov 4
DARC 10-Meter Digital Contest	1100Z-1700Z, Nov 4
ARS Spartan Sprint	0200Z-0400Z, Nov 6
WAE DX Contest, RTTY	0000Z, Nov 10 to 2359Z, Nov 11
JIDX Phone Contest	0700Z, Nov 10 to 1300Z, Nov 11
OK/OM DX Contest, CW	1200Z, Nov 10 to 1200Z, Nov 11
Kentucky QSO Party	1400Z, Nov 10 to 0600Z, Nov 11
CQ-WE Contest	1900Z, Nov 10 to 0500Z, Nov 12
SKCC Sprint	0100Z-0300Z, Nov 14
YO International PSK31 Contest	1600Z-2200Z, Nov 16
SARL Field Day Contest	1000Z, Nov 17 to 1000Z, Nov 18
LZ DX Contest	1200Z, Nov 17 to 1200Z, Nov 18
Feld Hell Sprint	1500Z-1700Z, Nov 17
All Austrian 160-Meter Contest	1600Z, Nov 17 to 0700Z, Nov 18
ARRL Sweepstakes Contest, SSB	2100Z, Nov 17 to 0300Z, Nov 19
RSGB 2nd 1.8 MHz Contest, CW	2100Z, Nov 17 to 0100Z, Nov 18
NA Collegiate ARC Championship, SSB	2100Z, Nov 17 to 0300Z, Nov 19
EU PSK63 QSO Party	0000Z-2400Z, Nov 18
Run for the Bacon QRP Contest	0200Z-0400Z, Nov 19
NAQCC Straight Key/Bug Sprint	0130Z-0330Z, Nov 22
CQ Worldwide DX Contest, CW	0000Z, Nov 24 to 2400Z, Nov 25
ARRL EME Contest	0000Z, Nov 24 to 2359Z, Nov 25
SKCC Weekend Sprintathon	0000Z-2400Z, Nov 25
ARCI Topband Sprint	0000Z-0600Z, Nov 29
ARRL 160-Meter Contest	2200Z, Nov 30 to 1600Z, Dec 2
IPARC Contest, CW	0600Z-1000Z, Nov 3 and
	1400Z-1800Z, Nov 3
Ukrainian DX Contest	1200Z, Nov 3 to 1200Z, Nov 4
ARRL Sweepstakes Contest, CW	2100Z, Nov 3 to 0300Z, Nov 5
NA Collegiate ARC Championship, CW	2100Z, Nov 3 to 0300Z, Nov 5
IPARC Contest, SSB	0600Z-1000Z, Nov 4 and
	1400Z-1800Z, Nov 4
High Speed Club CW Contest	0900Z-1100Z, Nov 4 and
	1500Z-1700Z, Nov 4
DARC 10-Meter Digital Contest	1100Z-1700Z, Nov 4
ARS Spartan Sprint	0200Z-0400Z, Nov 6
WAE DX Contest, RTTY	0000Z, Nov 10 to 2359Z, Nov 11
JIDX Phone Contest	0700Z, Nov 10 to 1300Z, Nov 11
OK/OM DX Contest, CW	1200Z, Nov 10 to 1200Z, Nov 11
Kentucky QSO Party	1400Z, Nov 10 to 0600Z, Nov 11
CQ-WE Contest	1900Z, Nov 10 to 0500Z, Nov 12

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Discussion Items:
1. Repeater site refurbishment. We can get an 86 foot lift for $1068.00. We need to order a special type of paint first which Tom Martin will do through his company. We will wait to commit to the lift until the paint arrives. We will still have a work party on the weekend of September 22 to paint buildings and clean up area..

2. Autopatch. It was decided to further study the autopatch situation before committing to a plan.

3. Auction. The annual auction will be held on the October 3 meeting. Room setup begins at 5:30 PM, sellers at 6 pm, buyers at 6:30 PM and the auction begins at 7:00 PM

General Meeting for October Auction

Membership 371 members

Old Business
1. The planned community meeting on repeaters between PARC and served agencies etc has been delayed due to a conflict with the ARES meeting.

New Business

1. ARES program in November.
2. Cal Fire equipment proposal. The proposal from SDGARES was discussed. Board decided to take no action regarding this proposal.
3. Red Cross would like to place a 47.42 MHz remote base at our repeater site. Technical committee will study the proposal.
4. Ron, N6XT would like to buy the 3.5 kW generator in KB5MU's possession. Suggested we ask $100 for it.
5. Future club speaker possibility - Attorney John Kramer W6JLK on antenna zoning.

Palomar Amateur Radio Club Board of Directors Meeting (unapproved minutes)

October 10, 2007

President Steve Early AD6VI
Treasurer Bob Birch KG6RGI
Secretary Gary Kent W6GDK
Director #1 Tom Martin KG6RCW
Membership chair Al Donlevy W6GNI
Repeater Tech Chair Dan Bubke K6NKC
Guest Conrad Lara KG6JEI
Guest Jim Egerton W6SST
Guest Artthur McBride III KC6UQH
Guest John Kuivinen WB6IQS

The meeting was called to order at 7:07 PM by President Steve Early AD6VI. The meeting was held at the house of Al Donlevy, W6GNI

Discussion Items:
General Meeting for November General meeting for November is nomination of officers, a presentation on D-Star by WD6FZA, and a presentation by SDGARES.

Carlsbad Safety Center The class in the meeting room last month was supposed to have vacated by 5:00 PM. This will be closely monitored.

Repeater – Tech A lengthy discussion was held about the future plans for the repeaters. Topics included

a. ATV
b. Autopatch system resurrection
c. Echolink/IRLP
d. Voice ID on one repeater as a test project
e. Site improvements
f. Future of packet - need a committee to study this
g. Security/access
h. Fire department cache
i. Disaster recovery plan
j. Power/emergency Power

Repeater User Community meeting Delayed until further notice

Respectfully submitted by W6GDK

PARC and PARC Affiliated Repeaters

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

PARC also conducts the following ATV (amateur fast-scan television) operations:
ATV in: 915 MHz WBFM, 2441.5 MHz WBFM
Intercom: 146.415 MHz NBFM simplex (tone 79.7)
ATV out: 1241.25 MHz AM

Regular Nets Sponsored by PARC

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

Board of Directors Position	Call Sign	Contact Information
President - Steve Early	AD6VI	619-461-2818 ad6vi@amsat.org
Vice President - Tom Storer	KI6DER	ki6der@amsat.org
Secretary - Gary Kent	W6GDK	858-679-0578 w6gdk@arrl.net
Treasurer - Bob Birch	KG6RGI	rrbirch@cox.net
Director - Tom Martin	KG6RCW	619-778-3866 rbg4@aol.com
Director - Dennis Baca	KD6TUJ	760-722-0251 kd6tuj@amsat.org
Scope Editor - Michelle Thompson	W5NYV	w5nyv@amsat.org
Repeater Chair - Dan Bubke	K6NKC	k6nkc@amsat.org
Membership - Al Donlevy	W6GNI	760-630-3096 w6gni@amsat.org

[1] The 146.730 repeater transmits a CTCSS tone of 107.2, but does not usually require any tone for access. When necessary, an access tone of 107.2 can be enabled. A 107.2 tone is always required for autopatch access.
[2] PARC autopatches are closed, for members only, and always require an access tone of 107.2. For PARC autopatch access info, email autopatch@PalomarARC.org.

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Submissions: scope@palomararc.org
Questions? Ideas? Comments? W6NWG@amsat.org

This month's General Meeting will be held on November 7th, 2007 (The first Wednesday of each month) at the Carlsbad Safety Center. The subject will be officer nominations, D-star, and SDGARES. Talk-in on 146.730 MHz repeater. Meeting starts at 19:30 but show up at 19:00 for setup and visiting before the meeting. Ridesharing and coordinating for dinner beforehand often occurs on the repeater on Wednesday afternoons. Everyone is welcome! The Palomar Amateur Radio Club serves the Amateur Radio community of San Diego County California with repeaters located on Palomar Mountain. The club has monthly meetings, Field Day festivities, an annual auction, and many other fun and interesting functions. All are welcome at our club meetings and on-the-air interactive radio nets which now feature discussion groups on hiking, microwave, off-roading, as well as traditional message traffic and emergency communications nets (RACES - ARES - MARA). 73 and hope to CU you on the air! –NN3V (past president of PARC)