

SCOPE

THE PALOMAR AMATEUR RADIO CLUB NEWSLETTER

Report: Work Party on the Mountain

On Wednesday March 19th a work party consisting of Don WD6FWE, John WA2OQB, Greg KI6RXX, and Dennis KD6TUJ went to the repeater site to repair the telephone connection and place a conduit run to improve the 146.700 packet repeater.

Arriving about 10:00 AM, the usual start time, we proceeded to open the rooms. Pulling the phone from the generator building to the phone entry point showed the connection on the block building was good. Next, check the "vault". Thanks to Mike K6MRP for the advice and historical knowledge about a splice located in it. This is where we found good moist earth surrounding an old splice. Opening the splice, John and Don found the lines no longer shorted and continuous for use. Cutting back and resplicing the line repaired service to the sheds. John soldered the connections and taped the lines to help prevent moisture from coming back. Don brought a "field camera" that takes stills

with a motion sensor. He placed this on a tree facing the tower.

Don started working to reinforce the freezer door hinge that has become loose over years of service. Bringing a long (12 inch) bit to pass a hole for the new bolts to use, Don drilled through the door and reinforcement plate. Three new pass through bolts now secure the hinge and door together.

Remember to clear snow or debris away from the door landing before opening the door.

As these projects were going on, Greg and Dennis trenched a conduit run between the generator building to the sunken building. You always need to be careful when digging around the site. You never know what you may find buried.

Going down about two feet you can, and probably will, find copper strapping. Also between the buildings there are power runs for 120 VAC and 48 VDC. Found those. And another grey line by the sunken building going to the generator building. Not sure what that run is. The sweep was glued and set to 10 feet of conduit, and placed for adjusting. Dug a little more down and straightened the curve to fit better. Before placing the other sweep we drilled a hole by the 6 meter cavity space for the conduit to pass.

Hmm, metal floor on the outside. Should have checked. There is wood floor on the inside. The bit I brought is a wood bit of 2 9/16. Greg has a 2 inch metal hole bit. Used the 2 inch bit. now we need to file it out. Not so easy. Time to cheat. Use the wood bit down to metal, then use the metal bit on a offset to enlarge the hole. 2 additional drillings brings us to filling a small amount to finish the hole to size. Back to checking the measurement of the length. We check the travel of the sweep and the offset between the access hole to

continued on page 3



Save the Date

Club Meeting 2 April 2014

Ron Rosson N6XT on his
DX Adventures

Board Meeting 9 April 2014

Palomar Amateur Radio
Club board meeting at
7:00pm at W6GNI QTH.

Operating Day 26 April 2014

Operating Day at Fry's
Electronics San Marcos.

See pg. 15.

Advertisements are free for members

Have items that need to find a new home? Advertise here! Send your ads to scope@palomararc.org

Icom IC 2200H 2M transceiver. Orig Manual,
Nifty Manual, Mike, Power cord, mobile mount
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manual, all 3 modules, mike, tone encoder \$375

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power cord, manual. No mike. \$550

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power cord, mobile mount, packaging and box.
Upgrades done \$500

Drake TR7 with power supply, mike, manual, 2
cw filters \$675

Drake W-4 Wattmeter. Cabinet could use paint.
\$70

Ron K2RP K2RP@ARRL.NET or 760 436 8109

Tear off the back cover
of the Scope and give it to
a friend. It has information
about our next meeting on
one side and our Operating
Day flyer on the other.



Tree hazard at work party. Photo by Don WD6FWE.

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continued from front page

mark and cut the conduit. Set and glue the up tube into the sweep sets the generator side. Going to the sunken building side will be a small challenge. There are two conduits and coax runs to avoid, as well as the loose earth. The sweep goes on rather easy, BUT the up tube does not want to cooperate. Three tries and frustration. Cut the total length and try again.

(Hint: do not spill glue or glue earth to yourself.)

It works. Next time we will bring a end screw connection and drill the final access to the sunken building.

Reviewing the site and checking the buildings, everything appears to be fine. Battery water levels are good. Repeaters are working. Supplies are stored, and buildings are secured.

As we go back to our vehicles, Don points out where he placed the camera and notices a tree had cracked and fallen onto an adjoining tree (see photo at left, page 2).

This is "good" because below the fall is a guy wire for the top of the tower. We assessed this to be OK for now, but we need to remove this as soon as possible. This also caused us to review all the trees on the property. A neighbor to the north has a branch that has been broken across their dive for at least a year. Some of the ends of the limbs just reach on our land. The neighbor to the east has a tree of concern. It is an older tree and we can not tell if it is budding. If this tree has a problem, at least it should fall away from our equipment.

The next trip now includes a chain saw and a daredevil.

We left the site just after 2:00 PM. Great day on the hill with great weather.

Dennis
KD6TUJ



Club Email Discussion and Announcement Lists

by Michelle W5NYV

PARC has two email lists. The two lists offer additional ways to stay up to date with your fellow amateur radio operators. Signing up is very simple.

Go to

<http://www.palomararc.org/mailman/listinfo>

Click the link corresponding to the list you want to sign up for.

Fill in the form, and you're on the list.

PARC-Announce is a very low-traffic mailing list for announcements approved by the club. Expect only a few messages per month, maximum, including a notice about each club meeting. If you have an announcement you'd like to have published to this mailing list, please send your request to

board@palomararc.org for approval

PARC-Talk is an open list for PARC members to discuss anything related to amateur radio and to the club. Please post in plain text. Don't attach files.

We will not use Scope-notice, Scope-pdf, Meeting-remind or any other mailing list for unsolicited messages or announcements.

Don't forget - PARC is on Facebook too!

Find us at <https://www.facebook.com/groups/194674987710/>



Palomar Amateur Radio Club and the San Diego Six Shooters Club will conduct an **Operating Day April 26th** for public demonstration of Amateur Radio. This event will be hosted on the parking lots of FRY's ELECTRONICS in San Marcos and San Diego, respectively. Plans are to be operational by 9:00 AM and continue to 5:00 PM. We plan to demonstrate different formats and have asked supported agencies to come show how amateur radio supports their needs.

<p>HAM RADIO OUTLET</p> <p>H R O</p> <p>Jose XE2SJB Jerry N5MCJ Joe N6SIX</p>	<p>KENWOOD rf CONCEPTS DIAMOND US TOWERS KANTRONICS YAESU, MFJ, ICOM BENCHER, Inc. HUSTLER COMET AMERITRON</p>	<p>Astron, AEA, OUTBACKER Larsen Antennas TEN-TEC Hy-gain, Tri-EX, Cushcraft And Others too Numerous to Mention!</p>	<p>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.</p>
<p>Open: 10a.m. – 5:30p.m. Monday thru Saturday <i>Ask about our great prices</i> 858 560-4900 or toll free 1-800-854-6046</p>	<p>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!</p>		

Field Day 2014: June 28-29!

ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. On the fourth weekend of June of each year, more than 35,000 radio amateurs gather with their clubs, groups, or simply with friends to operate from remote locations. Field Day is a picnic, a campout, practice for emergencies, an informal contest and, most of all, FUN!

It is a time where many aspects of amateur radio come together to highlight our many roles. While some treat it as a contest, others use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate amateur radio to the organizations that amateur radio might serve in an emergency, as well as the general public. The contest part is simply to contact as many other stations as possible and to learn to operate our radio gear in abnormal situations and less than optimal conditions while having fun. Field Day is/not a contest.

Field Day is one of the main highlights of PARC and a good effort is put forth each year. Last year we scored 4th place in our category of 5A and had lots of fun while doing so. In addition we placed first among all the San Diego (SDG) clubs. We set up 5 main stations plus a satellite station and GOTA. We hosted a Radio merit badge class for the Boy Scouts and had the help of the Young Marines during setup and takedown. There was a testing session that took place on Saturday and as a result, two new hams were licensed into the hobby. We even had a world class BBQ prepared by the famous Psycho Kitchen.

Whichever aspect Field Day sparks your interest, whether it be the contesting, setup and

takedown and seeing how all the equipment goes together, commanding a station, the Saturday picnic BBQ, or just hanging out with good friends, I hope you will join us this year for the Palomar Amateur Radio Club 2014 Field Day effort.

Field Day is a group/club effort. We did not achieve the results of last year without having fun and we certainly didn't do it with just one person. If you are interested in helping in any way, please contact me. No former FD experience is needed.

Field Day is scheduled for June 27, 28, and 29 2014. If we are allowed to use the site at Santar and Rancheros in San Marcos, this will be the Club's last time. Permission, if we receive it, should come in the next week. We, the Club, need to start looking now for a new site for future use.

Plans are starting now for the Field Day preparation nets, to help coordinate Palomar's efforts. A few station captain offers have already been received. Thank you for your offers. One item of concern, at least to one Club officer, is the transportation of Club equipment by private means. The club may be required to contract (rent) a transport unit or company to move Club equipment to alleviate their concerns.

The sooner we identify our needs, the sooner we can solve these hurdles to provide a great Field Day.

Looking forward to seeing you there.

Greg Gibbs
KI6RXX
760-583-9668



Hinge needs replacing. Photo by WA2OOB

"The door hinge we fixed will need to be replaced. This is because the hinge is actually broken so only 2 of 3 bolts on the outside of hinge are holding the hinge to frame of building."

Don WD6FWE



Tower at work party. Photo by WA2OOB

SANDARC Report

by Conrad Lara

As you may be aware the Palomar Club is a member of the San Diego Amateur Radio Council.

We can have up to 2 delegates and 2 alternates assigned to represent the club. Currently assigned are Dennis KD6TUJ and myself Conrad KG6JEI as delegates, and Greg KI6RXX as an alternate.

It has been brought to our attention by Mr. Acevedo N6SIX, the SANDARC Chair that it is a duty of the delegates to provide updates to our club and it's members. One of our objectives as SANDARC delegates and Palomar club members is to diligently follow all rules as set forth in respective Bylaws and California Corporations Code and to do things right as much as possible, the first time, so that we do not have to be repeat ourselves. Our efforts are better spent on Amateur Radio rather than constantly repeating administrative tasks because we do things wrong. After reviewing the SANDARC Bylaws it has come to our attention that Mr. Acevedo is correct. Our goal has been to keep updates to PARC positive and with out any positive info from SANDARC there have been no updates. As providing updates is a requirement, we will now start.

About a year and a half ago SANDARC attempted to change its bylaws, the Palomar delegates noted numerous procedural issues in the voting that occurred on those bylaws. Palomar delegates worked for over a year before the SANDARC leadership admitted that the Palomar delegates were right and a bylaws violation occurred in the previous votes. SANDARC has recently just re-voted these bylaws with a different result than the previous vote. We however are already witnessing SANDARC's board not observing the requirements that they proposed and had adopted by the membership

SANDARC has also just recently adopted a "Grievance Policy" which appears to have halted resolution of further issues as the procedure halts all discussion on a subject until a delegate meeting and if the board follows through on the next change that has been suggested the policy could allow issues to persist for just short of a year before they are resolved. The board of SANDARC has already been seen to use this procedure to halt any discussion of questions as soon as they are sent.

The lack of communications with SANDARC is not a new occurrence. As delegates we have sent letters and requests to the board on many occasions only to have them not be acknowledged, nor responded to. SANDARC

has not been checking its postal mail box on a regular basis either, allowing additional issues to remain unresolved for long periods of times.

On Thursday February 27th Greg and myself went down to the regularly scheduled SANDARC meeting. We are disappointed to report that none of the SANDARC Board Members attended the meeting. This is disappointing as this is about an 80 mile round for the delegates. To put this in perspective, where we meet for the repeater site work parties, Mothers Kitchen at the top of Palomar Mountain, is only 78 mile round trip.

Why should we as members care? Well, PARC is a longtime member of SANDARC, the actions of SANDARC reflect upon us. In addition SANDARC purports to represent the amateur radio clubs of San Diego and their members. This means actions taken by SANDARC reflect upon the whole radio community.

SANDARC is best known for hosting the Southwestern convention every 4th year. Should SANDARC fail to follow proper business practices the conventions may stop. SANDARC is also known for performing many of the Amateur Radio Testing sessions in San Diego county, many persons in the club likely have a license because of SANDARC testing. If SANDARC continues to have issues the matter could be taking up by the FCC with, as of now, unknown repercussions to those of us in the county

We will end the report with a brief overview of the SANDARC financial, The budget for fiscal year 2013-2014 that SANDARC approved is to have a \$12,224 dollars deficit this year, with only \$8,000 of that attributable to convention. At this time it appears SANDARC will indeed be significantly in the red this year as since April the general fund has decreased to \$6,276, the convention to \$7,422, a CD has held nearly constant at \$10,387, and the only account to show a significant balance increase is the VE fund which is collected to be used solely for reimbursement of out-of-pocket expenses as incurred in preparing, processing, administering or coordinating an examination has increased since April approximately \$2,000, after expenses, to \$10,655.

On March 17th 2014 the SANDARC Chairman emailed an announcement that the number of meetings will be reduced from 10 per year to 4 per year. SANDARC meetings are now announced to be held on the last Thursday of January, April, July, and October. The meeting location is still being negotiated.

Respectfully submitted
Conrad Lara
Palomar Amateur Radio Club
Delegate to SANDARC

Visalia Convention Coming Soon

Registration Information

When:
April 04-06, 2014

Where:
Visalia Convention Center, Visalia, CA USA

Pre-register (Before March 4, 2014) to be eligible for pre-registration drawing.

Please complete the online registration form then select to pay online or print your filled out form and mail your form and payment.

NOTE: If paid by PayPal save the e-mailed receipt from PayPal as that is your only proof of registration and payment. You will NOT get any other confirmation. The confirmation number (2014xxxx-xxxxxx) on this receipt will be required for banquet seating to be assigned.

For questions regarding registration please e-mail the [convention registrar](#).

DX stations who need assistance please e-mail [Joe Locascio, K5KT](#).

[Online Registration Form](#)

<http://www.dxconvention.org/reg/>

SWD Coming Up this Fall



2014 ARRL Southwestern Division Convention

September 12 - 14, 2014
Will be held at the
Sheraton Four Points Hotel
8110 Aero Drive, San Diego CA. 92123

Palomar Amateur Radio Club

10-10 International is the largest and most active 10m club in the world. Open to all radio amateurs with 10m privileges, the goal of 10-10 International is to keep the band active through nets, activities, and awards. Once an amateur has joined 10-10, he or she is assigned a 10-10 number. Thanks to the efforts of Preston W6ASP, Palomar Amateur Radio Club W6NWG holds the number #74644.

Additionally, W6NWG has joined the ranks of calls with a specially awarded 10-10 VP number.

Awards in 10-10 are given in batches of 100 contacts. Each grouping of 100 contacts is called a BAR. When a 10-10 member attains the 500 BAR, he/she will automatically become a member of the International 500 Club and will be assigned an Honorary VP Number to be used in conjunction with his/her 10-10 number.

There are two additional activities available for members of the International 500 Club, the VP Contact Award and the VP Worked All States Award.

After a VP number is received a member can make a minimum of 100 contacts with other VP's and exchange VP numbers for the basic VP Contact Award. Endorsements are available for contacts in multiples of 100. VP numbers may be used only once.

A VP member may earn the VP WAS award for completing contacts and exchanging VP numbers with other 10-10 VP members in each of the 50 United States.

Would you like to help W6NWG achieve the VP Contact Award and VP Worked All States?



Earns Major Award from 10-10

Work our call, W6NWX and exchange our 10-10 and VP number. Rules for submitting contacts to 10-10 International are found here:

<http://www.ten-ten.org/tenvp.html>

Despite relatively poor band conditions, Preston persevered with 10m and W6NWX. On behalf of the entire club, thank you Preston! This is a major achievement, and exemplifies one of the many diverse aspects of the activities available to club members.

-Michelle W5NYV (#74808)

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BAR AWARD PROGRAM
BARS EARNED

100 2/2/2014	600	1100	1600	2100	2600	3100	3600
200 2/8/2014	700	1200	1700	2200	2700	3200	3700
300 2/9/2014	800	1300	1800	2300	2800	3300	3800
400 2/13/2014	900	1400	1900	2400	2900	3400	3900
500 2/13/2014	1000	1500	2000	2500	3000	3500	4000

Poway Antenna Ordinance

by Charlie NN3V

The writing of the Poway ordinance continues at a glacial rate, but continues. You think Washington is slow..... :=))

Recently, Poway hams had two productive meetings with the City staff working on the ordinance. They were good meetings, and several misunderstandings appear resolved.

The current plan is for another City Council workshop meeting on May 6th.

At that meeting, the City staff will present several options to the City Council, as well as a draft of the proposed antenna ordinance. The options will address specific issues that were left undecided at the February 18th. meeting, and are the final elements needed to complete the draft antenna ordinance. It is expected that the Council members will decide on specific "issues".

The process then will lead to a final draft of the ordinance, to be presented later to the Council for final approval.

Based on the information exchanged during the working meetings held with the City staff, Poway hams are cautiously optimistic that their interests are prevailing. HOWEVER.....

At the city council workshop planned for May 6th. it is vital that the amateur radio community rally to support the Poway hams.

At the last City Council meeting, opponents of the draft Poway amateur radio antenna ordinance stated publicly that the Council had "...sandbagged Poway residents...". The insinuation was that there had not been sufficient warning for the opposing residents to ready themselves for opposition to this draft ordinance catastrophe.

Poway hams expect that at this next City Council workshop, the one that is the critical decision meeting, opponents of amateur radio antennas in Poway will be out in force.

Poway hams ask our fellow hams throughout San Diego County to rally to our support on May 6th.

Details of the meeting will be announced shortly. But as of now it is expected to take place at Poway City Hall , Tuesday May 6th., 7:00 PM

Please mark your calendar and plan on turning out to support the Poway hams!

73 de NN3V
Charlie

NX6T Wins North America Category for All Asia SSB 2013

Ops: N6KI, WA2OOB, N6ERD, W2PWS, N6EEG, WA3IHV
Award Medallion expected in mail - That's 2 years in a row !

Great job !
73, Dennis N6KI

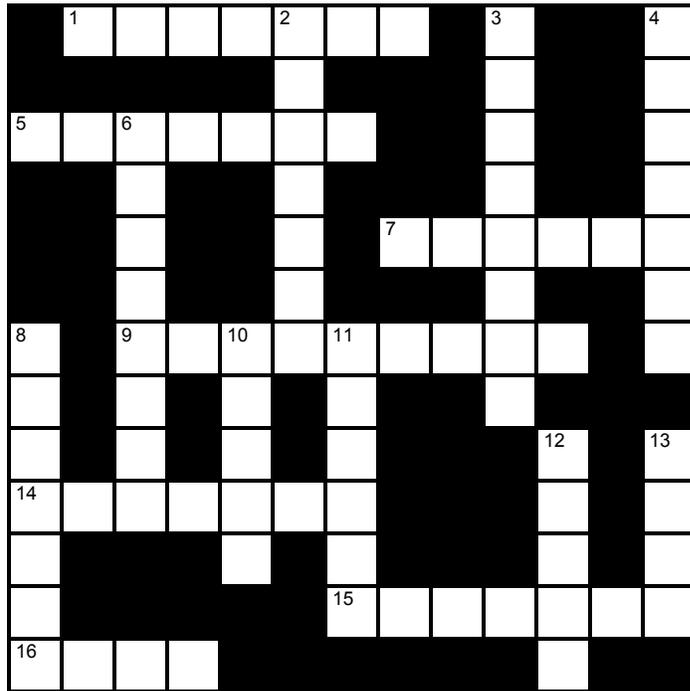
Multi Op. Single TX (QSO, Point, Multiplier)																				
Band		80			40			20			15			10			Total		Score	
Continental																				
AF																				
EU	HG7T	31	62	29	172	172	79	345	345	140	683	683	183	63	126	46	1,294	1,388	477	662,076
OC	DX1PUP				224	224	76	18	18	17	490	490	139	59	118	37	791	850	269	228,650
NA	NX6T	7	14	5	239	239	80	199	199	87	393	393	116				838	845	288	243,360
SA	CV5D				132	132	63	46	46	34	190	190	83				368	368	180	66,240
AS	UA8A	52	284	26	368	1,048	56	875	2,463	87	1,426	3,546	91	14	40	14	2,735	7,381	274	2,022,394

Across

- 1 Batteries have it (7)
- 5 Something you can do (7)
- 7 Rap session? (6)
- 9 Open at DC (9)
- 14 Pulls you along in a river (7)
- 15 Get (7)
- 16 Makeup, e.g. (4)

Down

- 2 Feeler (7)
- 3 What you got when you dialed 0 (8)
- 4 Open mike night participant (7)
- 6 Gets you into the group (8)
- 8 A circle of components (7)
- 10 ___ to the people! (5)
- 11 Leetah's lifemate, or something that slices (6)
- 12 AM/FM device (5)
- 13 Surfing need (4)



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Photos of Recent Operating Days





Come to Our Next One on April 26th





AUCTION

What: EARS Ham radio related auction

Cost: Sellers \$2 for first tag, \$1 each additional tag, buyers free (new rules)

When: April 10th 2014, Seller check-in 6PM, Buyer check-in 6:30PM, Auction begins 7PM

Where: Escondido Salvation Army Community Center 1301 Las Villas Way Escondido, CA 92026

More Info: <http://www.earsclub.org/auction>

Payment: Cash, Check, Paypal, Credit card.



OPERATING DAY

Saturday, April 26, 2014



FRY'S ELECTRONICS
150 South Bent Street
SAN MARCOS, CALIFORNIA 92069
9:30 AM to 5:30 PM

HOSTED BY PALOMAR AMATEUR RADIO CLUB

www.palomararc.org

contact Dennis KD6TUI (760) 672-0223

Come operate on the ham bands at Fry's
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You can join or renew your membership on the club's web site <http://www.palomararc.org>

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Submissions: scope@palomararc.org

Questions? Ideas? Comments? W6NWG@amsat.org

Featured Program:

At 7:30pm on 2 April 2014, Palomar Amateur Radio Club will present a program. The presentation will be by Ron Rosson N6XT on his DX Adventures!

This was my 1st time in Samoa for an attempt to visit Tokelau ZK3 with N7CQQ. Due to the boat schedule or lack thereof we did not make it to Tokelau. The route to Samoa took us through American Samoa for few days then on to Samoa. While I was in American Samoa John and I were invited to go NH8S Swain Island by the organizers of the expedition. But we had to decline due to the arrangements that we had already made for Samoa. It was great experience for the 1st time to be on the other end of the pile up.

73 & Best DX

Ron Rosson N6XT Ex (WB6ORX)

We look forward to seeing you at the Carlsbad Safety Center, 2560 Orion Way, Carlsbad, CA.