

SCOPE

THE PALOMAR AMATEUR RADIO CLUB NEWSLETTER

WE NEED A NEW TREASURER. SEE PAGE 3.

THE CLUB IS RAFFLING OFF A 2014 ARRL HANDBOOK. SEE PAGE 4.

OUR ANNUAL CLUB AUCTION WILL BE HELD THIS MONTH. SEE PAGE 6.

A PC TIP: USB HUB POWER SAVE DISABLE IS ON PAGE 7. THIS TIP OUTLINES A WAY TO DISCIPLINE YOUR SYSTEM.

PARC IS SUPPORTING THE FIRST EVER POWAY HOSTED SCOUT JAMBOREE ON THE AIR (JOTA). PARC IS SUPPLYING THE TRAILER, TOWER, A BEAM ANTENNA, AND MISCELLANEOUS EQUIPMENT. IN A MANNER SIMILAR TO THIS YEAR'S PARC FIELD DAY, RADIO MERIT BADGE DEMONSTRATIONS AND COURSES ARE PLANNED. PARC MEMBERS ARE INVITED. THE SETTING IS VERY EASY TO FIND WITH EASY ACCESS FROM INTERSTATE 15. SEE PAGE 8 FOR MORE DETAILS.

CALIFORNIA QSO PARTY IS COMING UP. DETAILS ON PAGE 9.

PARC PICNIC PHOTOGRAPHS ARE ON PAGE 10-11. THIS WELL-ATTENDED ANNUAL EVENT HAD FOOD, FUN, AND PRIZES.

SEE PAGE 12 FOR AN UPDATE ON AMATEUR RADIO AT THE MAKER FAIRE.

SEE PAGE 13 FOR INFORMATION ON JOINING TWO NEW CLUB EMAIL LISTS.

SEPTEMBER MEMBERSHIP MEETING SUMMARY CAN BE FOUND ON PAGE 14-15.

IF YOU ARE READING THIS IN ITS DIGITAL FORMAT, THEN CHECK OUT PAGE 15 FOR AN EMBEDDED VIDEO.



Save the Date

Club Meeting

2 October 2013

Annual Club Auction

Board Meeting

9 October 2013

Palomar Amateur Radio
Club board meeting at
7:30pm at W6GNI QTH.

Event

19 October

ARES Field Day

"WOW" Fold & Staple Workers for August SCOPE. We had a super turnout of "Old Timer" Workers!

The "TEAM": Al W6GNI & Kathy, Roni W6EPM, Sonny WA5ACE Art KB6YHZ, Jo KB6NMK, Toby Ashley, Terri N6UZH, Tyler KJ6ZLT, Dave KI6LKP, Tatthew Brewer, Teresa KJ6QQD. WOW !! Thank you, all! One would hardly believe that this Guy (Al – W6GNI) is retiring – Last Fold & Staple for me will be the January 2014 issue of the SCOPE to the Post Office!! (Sooner, if someone comes forth!)

Advertisements are free for members

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

For Sale

- 1) New Butternut HF9V 9 band vertical antenna (80, 40 30, 20, 17, 15, 12, 10 and 6 meters) and Butternut CPK Counterpoise Kit. Both antenna and CPK kit are unopened in original boxes. I am selling as a package only - \$475.00
- 2) New Diamond DPGH62 6 meter monoband base station antenna - 21 ft., 6 dB gain. Unopened in original box - \$100.00
- 3) Icom IC-208H 2 meter + 70 cm mobile radio. Excellent condition in original box - \$225.00.
- 4) Icom IC-7000 all mode HF/6 meter + 2 meter + 70 cm mobile radio. "Like new" condition with very little use. MB-62 mobile mounting bracket included. In original box - \$850.00.
- 5) Astron RM-35-M rack mount 25 amp linear power supply with meters. Excellent condition, low use - \$200.00

Contact Dean W6DBJ at 760-727-5954 or deanjacobsen@earthlink.net

For Sale

MFJ 269 HF/VHF/UHF antenna analyzer, new in box, never used, includes N to 259 adapter. MFJ price: \$390. Yours for \$300

MFJ 1275M Sound Card Interface, new in box, never used. Includes AC power supply, computer cable, audio cables. MFJ price \$110, yours for \$75

MFJ 949E Antenna tuner, 300 W, internal dummy load, balanced or unbalanced feedlines. Dual SWR/Power meters, 2 switchable coax connectors. Used but in excellent condition with manual. MFJ price: \$190. Yours for \$90

Ron K2RP K2RP@ARRL.NET or 760 436 8109

For Sale

Tektronix TM504, 4 slot compartment Powered main frame. \$80.00

Collins 302C-3. Forward and Reflected Watt Meter. 2Kw and 200 watts. Complete and working. \$80.00

Hewlett/Packard 403B. 1mv -300v RMS. No line cord. \$40.00

Collins 75-A4 receiver with matching Collins speaker,\$700. Very clean.

PeteK6JQE,pickupinSolanaBeach.1-858-755-4838

For Sale

Cushcraft MA5VA HF multi-band compact vertical. Covers 20-10 meters. \$100

Gary, W3LFR
858-335-0546

For Sale

Four rolls of Mil-C-18/ UG218. The rolls are about 140 feet long with N connectors.

Insertion loss is .9 dBA per 100 feet at 150 mHz. \$250.00 per roll or \$800.00 for all of them.

Glenn
N6JAI
619 654 1402

For Sale

The Alinco DJ-580 illuminated keypad button does not work.....No Backlighting of keypad, Transmit coverage is: 130-173.995 and 400-519.0995 with Mars/Cap Mods completed, Radio has no worn pads and all LCD display functions work as new, case looks like new, this radio comes with (1) EBP-20X 7.2 volt 1650Mah battery used only a few time before put away, (1) EBP-20N 7.2v 700Mah pack (not sure how long it will last) (2) EDH-11 dry cell pack (1) Yaesu dual band antenna and (2) Alinco EDC-24 Slow chargers and (1) DJ-580. I have checked this radio on simplex and our local repeater and it sounds fine, you would be hard pressed to find a radio in better condition than this one. excellent condition, As with all electronics this radio is sold AS IS, It will not be DOA, asking \$100 OBO, James 760-722-2797.

Important Notice New Treasurer Sought

by Dennis KD6TUJ
PARC Members,

At the December 2012 meeting a new board was elected to lead PARC and protect its interests and promote Amateur Radio.

Over the past 3 months the Board of Directors has attempted to reach the Treasurer but has received no response.

At the August 14th board meeting it was approved to bring before the members of Palomar a motion to remove the current Treasurer.

At the September meeting a motion was brought to the floor "To remove the Treasurer from office". The motion passed.

No nominations from the floor to fill the position of Treasurer were heard at the September meeting. The position is currently filled until December 2013 by a volunteer.

Upcoming ARES Events On the Club Repeater

The first event is the Miramar Air Show, October 4 and 5 2013. A PARC repeater will be used on an irregular basis for talk-in and occasional check-ins with at-home operators on standby in the event of a mass casualty incident.

We do not anticipate operating a formal Network at Miramar.

The second event is the ARES Field Day, to be held on October 19th, 2013. The 146.700 repeater, the 145.050 Packet node, and the 447.000 repeater (voice coordination) will be used on an irregular basis for digital communication. The 147.130 voice repeater will be used on a regular basis throughout the day for ARES Field Day activity coordination. This includes a few periods of formal network activity for the purpose of simplex mapping.

ARRL 2013 HANDBOOK RAFFLE

The ARRL is commemorating its 100 years by issuing a special ARRL Centennial Edition of The Handbook.

Features:

- Gold foil/embossed hardcover
- Personalized with your NAME and CALL SIGN
- Serial numbered commemorative edition
- Major new edition: components, new projects, latest technology
- CD-ROM included—a fully searchable digital edition

The Palomar Club will raffle a Handbook in October 2013 at the PARC monthly meeting. The raffle winner's Name and Call Sign will be embossed in gold letters on the Handbook's cover. Raffle tickets are \$1.00.

Raffle tickets are on sale now!

Don't miss an opportunity to own one of the standards of ham radio. Get your ticket immediately!



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Joe N6SIX

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Cushcraft And Others
too
Numerous to
Mention!

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

Directions: On 163, take **Clairemont Mesa Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stoplight. As you are turning right you can see our beams in this shopping center. Travel 100 yds. On Kearny Villa Rd. and U-turn back to shopping area and HRO sign. Be sure to see our equipment in action on **real** antennas!

Use A Fuse

by Paul KB5MU

It's a good idea to get power for your mobile rig directly from the car's battery. When you do, you must put a fuse in the positive wire, as close to the battery as possible. The inline fuse holder shown here is a good choice. Radio Shack sells a similar one (270-015) for just a few bucks.



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18. Signed A. L. Donlevy 9/10/13

October Membership News

Please don't forget us when your membership is due!! Some of the folks that may be due to reinstate – I hope! KJ6DTB, KC6YSO, N6VF, ZZ9GH, N6TO, W6DBJ, K6SML, K6PJH, N6TO, W6DBJ, KI6SRB, KD6PZT, NU6L, KG6TUL, KJ6LLU, WA6L, KJ7NT, KI6CSY, K6DRH, K6VG, KJ6ZQB, and there are even more! PLEASE! (Did you know your records are on the web site for info.)

The club is still looking for someone or a group of folks to take over the Fold & Staple task for each month, assembling and mailing of the SCOPE. The January Issue is my last one! Contact any member of the board! (It doesn't have to be done during the day – with the exception of delivering the issues to the Post Office. And that only takes 35 minutes if the paper work is in order.)

AI W6GNI

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Annual Club Auction

by Michelle W5NYV

It's almost October, and that means it's auction time. Come to the General Meeting on October 2nd and join the fun!

Where: The Safety Center

Any radio item new or used, working or not (boat-anchors included) will be tagged with the seller's information. Both buyers and sellers will register prior to the meeting. Please plan on arriving early to get a look at the auction items. Hams interested in bidding on items will be given a numbered card to hold up on items they would like to place a bid on. Any further questions can be directed to: board@palomararc.org

A suggestion heard at the September 2005 meeting: put those address labels you get in the mail to good use by bringing them to the auction. Instead of writing your name over and over, use the stickers instead.

If you have a wagon or other wheeled cart, please consider bringing it in order to transport items more easily into the building. The club will provide one wheeled cart for transporting equipment in and out of the building.

Start planning now for the treasures you'll want to bring and the treasures you'll be sure to find.

Room set-up starts at 5:30pm. As soon as the room is set up, sellers sign in and tag equipment. Bring your stuff early! 6:30 to 7:00pm buyers are registered (required!) and may view the offered equipment.

If you have questions about an item, this is the time to ask it. Inspect equipment before the auction so you know what you are bidding on (write its auction number down!) Auction begins at 7:00pm.

PARC receives 10% of the sale price and there is no other fee for buyers and sellers. Donations to PARC are accepted. All monies are paid to PARC. Seller(s) may set a written minimum bid on their items. Seller is responsible for removing any item(s) not sold. PARC does not guarantee the condition of any item sold.

PARC Auction Schedule

Room Setup	5:30pm
Sellers Allowed In	6:00pm
Buyers Allowed In	6:30pm
Auction Starts	7:00pm
Auction Ends	9:00pm

You don't have to be a PARC member to participate in the auction, so invite your friends to join in on the fun. Sellers will not be paid their money until all monies have been collected that evening, so bring a Self Addressed Stamped Envelope if you want the check mailed to you the next day, or pick it up at the next club meeting.

In previous years, the auction has been held outdoors (in a surprise move due to a conflict in room reservation), in the smaller EOC meeting room, and in the larger EOC meeting room, and offsite at other nearby locations.



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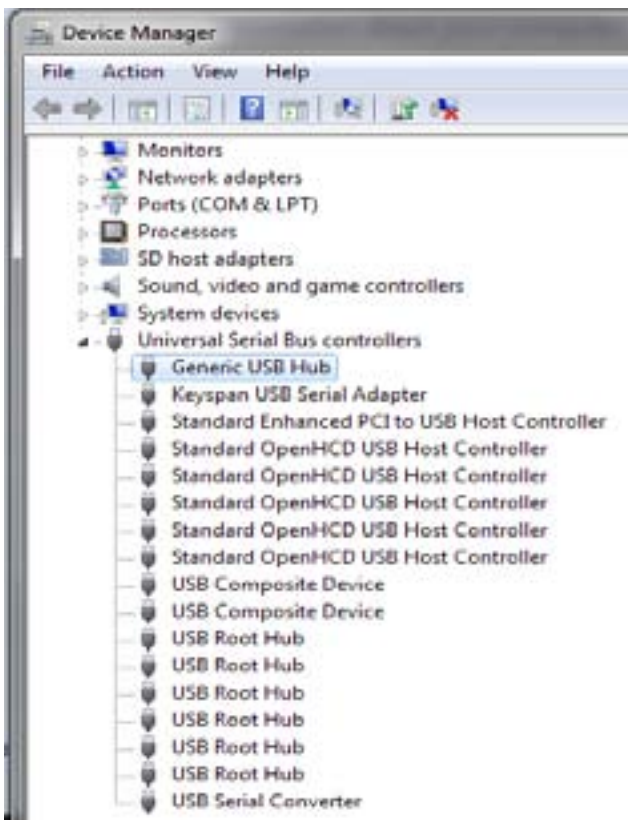
PC Tips from Dick K6KAL

USB Hubs 'Power Save' DISABLE:

Have you ever noticed that while your PC was running the disk light would come on for no apparent reason, chatter awhile and then stop. There are any number of things that could be going on, but here we will outline how to stop one of the more annoying tasks.

When windows is running normally, it will occasionally start a process that will check each 'USB Hub' on your system, to see if it can turn it off to save power. This is more noticeable on Laptops, which have a limited amount of battery life. If you were monitoring DX, and or had your favorite logging software running, or even worse, you are 'Contesting' and Windows decides to run the Power Save check, your software may hang for a moment or longer while it checks the USB Hub settings.

Well fear not, we have a solution that will keep windows from messing with us while we are having too much fun. In the last PC Tip, we located and used the Device Manager. Well here we go again. With the Device Manager screen in front of us look for the 'Universal Serial Bus controllers' tab. Well you might say that you have no Hubs attached, but guess again. There can be six or more 'Internal' USB Root Hubs in use.



An externally connected Hub will have a label like 'Generic USB Hub', while the internal hubs are labeled something like 'USB Root Hub'.

Now for the easy part.

First lets do the external hub. Right Click on hub and select 'Properties'. From there select the 'Power Management' Tab. Now the easy part. The top line should look like:

continued on PC Tips page 9

56th JAMBOREE-ON-THE-AIR

FOR SCOUT LEADERS



The Jamboree-on-the-Air, or JOTA, is an annual Scouting event that uses amateur radio to link Scouts around the world, across the nation, and in your own community. Held on the third full weekend of October each year, this worldwide jamboree requires no travel, other than to a nearby radio amateur's ham shack. Many times the hams will come to you by setting up at a Scout camporee, or perhaps they already have a ham shack at your council's camp. There are many ways to get your Scouts involved in JOTA.

Tell Me More

Scouts of any age can participate, from Cub Scouts to Boy Scouts and Venturers. Once at the ham radio station, the communication typically requires speaking into a microphone and listening on the station speakers. However, many forms of specialized communication can also take place, such as video communication, digital communication using typed words on the computer screen transmitted by radio, communication through a satellite relay or an earth-based relay (called a repeater), and many others. The exchanges include such information as name, location (called QTH in ham speak), Scout rank, age, and hobbies. The stations you'll be communicating with can be other Scouts across town, across the country, or even around the world! The World Scout Bureau reported that the 2012 JOTA had nearly 700,000 Scout participants from more than 13,500 amateur radio stations! A participant patch is available, as is a certificate/log sheet that can also be used to fulfill a Radio merit badge requirement.

When Is It?

The 56th Jamboree-on-the-Air is October 19–20, 2013. The official hours are from Saturday at 00:00 hours local time (right at midnight Friday) to Sunday 24:00 (midnight Sunday evening). So you've got the whole weekend to make JOTA contacts. You can also try out the "JOTA Jump Start" on Friday from 18:00 to 23:59 local time to test your setup.

How Can I Participate?

Contact your local Scout council and see what may already be planned in your area. You can also contact a local ham radio operator or a local amateur radio club. You can find a searchable database of clubs at www.arrl.org/find-a-club. This website is operated by the American Radio Relay League, the national association for amateur radio, which is cooperating closely with the BSA on JOTA and many other activities.

Your local club may be able to direct you to its planned JOTA activities. These can include ham stations set up at camporees or other events. Or, if there are no planned activities, you can either work with them to get something set up or arrange to visit a local radio operator's ham shack at a scheduled time to participate in JOTA.

Where Can I Find More Information?

Substantial JOTA resources are available online.

Go to www.scouting.org/jota, or scan this QR code with your smartphone, for the information provided by the Boy Scouts of America.



Information is also available from the ARRL at www.arrl.org/jamboree-on-the-air-jota.

Download a free QR code reader for your smartphone at scan.mobi.



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Simply uncheck the 'Allow the computer to turn off this device to save power' option, then click OK.

Do this for all your external hubs, and the USB Root Hubs. This will do it. While your battery run time may be reduced ever so slightly, your running software will not 'Hang' while windows tries to save a few hundreds of milliamps.

In some PC tips to follow, I will outline a utility that will allow you to manage the device log and drivers that windows loads.

As always, EARS Club is not responsible for the Messing up of your computer by following any of these tips. Just blame it on your Fat Fingers...

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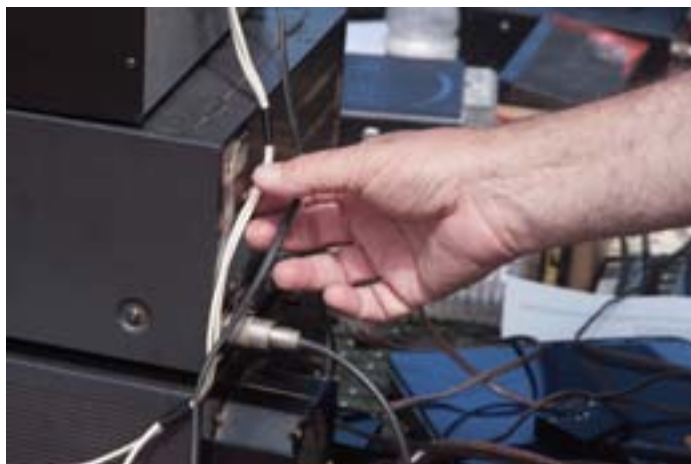
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PARC Annual Picnic Photos by KB5MU



Ron K2RP surveys the scene.



Wires wires everywhere, and not a watt to drink.



Conrad and Dennis plot and plan.



Equipment in use at the picnic.



The drawing winner! Gerry Brown



Good food!



Lowering the tower after a hard day's fun.



Equipment in use at the picnic.



President Dennis KD6TUJ

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Maker Faire Meetup Report

by Michelle W5NYV

While many PARC members were at the September membership meeting, I was at the San Diego Mini Maker Faire Meetup, representing the club and working to get us a booth for demonstration and public outreach.

For an introduction to Maker Faires and the Maker Movement, please see the August Scope.

The meeting was on the evening of September 4th at High Tech High School in San Marcos. Having never been to the campus before, I was astounded at the quality of the facility, the ease of finding the right meeting location, and very impressed with the wonderful people that I met.

These Maker Faire meetups are public meetings called to plan and support the upcoming Faire. The meetings have a structure. At the beginning, there is a "meet the makers" session, where local makers present their projects, successes, failures, and plans.

First to speak was David Bergram, an engineering teacher at High Tech High. He has taught for 12 years, and took on the challenge of teaching robotics. His FIRST team (<http://www.usfirst.org/roboticsprograms/frc>) won the World Championship Chairman's trophy this past year. Each year, the FIRST challenge is different. This team had to build a robot that could play frisbee. Oh, and it had to climb a pyramid. The innovation that this team came up with that made all the difference in competition was the ability to pick up frisbees from the ground. Five team members spoke about the project and presented themselves extremely well.

The next Maker was Brandon Cohen, an environmental sciences teacher at High Tech High. He spoke about what younger students are doing. He coordinated a group of sixth graders that made a coloring book about undersea life. The students wrote the stories, researched the plants and animals, drew, and published. Significant learning took place with this student-lead project.

The next speaker presented an "Actually It Is Rocket Science" program that he was doing with his students. Pneumatic/hydraulic rockets with Arduinos were launched. The students prototyped the altimeters and other sensors, launched the rockets, recovered the rockets and the data, and wrote reports.

These and other student teams aim to present at the Maker Faire. With that, the Meet the Maker portion of the meeting closed.

Next was the meat of the meetup. Travis Good, the event coordinator, announced that the date and location for the Maker Faire would be December 7th at Bing Crosby Hall at the Del Mar Fairgrounds. As the date and location had been tentative for months, this update was received with great enthusiasm.

Travis presented several short videos about Maker Faire, and described for those that were unfamiliar with the movement what it was all about.

The planning group then broke out into working group sessions, including one for identifying event participants. I joined and spoke about Palomar Amateur Radio Club, our operating days, and how we, as a club, would love to participate in the Maker Faire. We were invited to join the Faire, and I volunteered to help however I could to find other amateur radio groups to participate.

Work with the other volunteers and organizers is coordinated online through a system called Basecamp.

San Diego Mini Maker Faire website is <http://sandiegominimakerfaire.org>

At the close of the meeting, I left in good spirits. After all, sharing our hobby with other like-minded individuals at such a positive and vibrant event would leave anyone in a great mood.

New Email Discussion and Announcement Lists

by Michelle W5NYV

PARC has two new email lists. The two new 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>

You'll see the following page.

palomararc.org Mailing Lists

Welcome!

Below is a listing of all the public mailing lists on palomararc.org. Click on a list name to get more information about the list, or preferences on your subscription. To visit the general information page for an unadvertised list, open a URL similar to this one: <http://www.palomararc.org/mailman/listinfo/yourlist>. If you are a list administrator, you can visit [the list admin overview page](#) to find the management interface for your list.

If you are having trouble using the lists, please contact mailman@palomararc.org.

List	Description
Board	PARC Board of Directors
Meeting-remind	PARC Meeting Reminders
PARC-Announce	PARC announcements
PARC-Talk	PARC open discussion
Scope-notice	Scope Notice Email
Scope-pdf	Scope PDF Email
Senegal	Senegal DXpedition Planning List
Testlist	[no description available]

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/>



September Meeting Photos by KB5MU



PARC apparel



IQS staffs the goodie table, where deals can be had.



Our program presenter, Charlie NN3V



The digital modes demonstration (part of the program).



The PTZ camera demonstration by Paul KB5MU



Presentation boards about amateur radio, by PARC.



Video clip of the meeting (available in digital version of the Scope). Video by Don Johnson.



Don Johnson records it all! Thanks Don, for the A/V support.



PARC's secretary Jim NE6O taking notes.

Contest Report

All Asian DX Contest, SSB

Call: NX6T

Operator(s): N6KI WA2OOB N6ERD W2PWS
N6EEG WA3IHV

Station: NX6T

Class: M/S HP

QTH: CA

Operating Time (hrs): 36

Summary:

Band QSOs Mults

80:	8	6
40:	246	81
20:	206	86
15:	407	117
10:	0	0

Total: 867 290 Total Score = 249,110

Club: San Diego Contest Club

Comments:

Found overall condx to be very poor. No propagation to any Asia countries on 10 meters and 15 mtr QSB was very bad. We were down 100 Qs from last years results on 40 and 20 mtrs and down 150 Qs from last years 15 meter scores. We had some nice over the pole propagation to Western Asia countries on Friday night around 0400Z. We also missed many weak stations calling us as we had very bad line noise to the west of our QTH and will try to get local power company to quiet down the HV AC Lines !

2 K3s, ACOM2000A, 2 El 40 Yagi, 3 El SteppIR Yagi and 80 mtr dipole.

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You can join or renew your membership on the club's web site <http://www.palomararc.org>

Editor: Michelle Thompson W5NYV

Submissions: scope@palomararc.org

Questions? Ideas? Comments? W6NWG@amsat.org

Featured Program:

At 6:30pm on 2 October 2013, Palomar Amateur Radio Club presents our annual club auction.

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

Sign up for the PARC Email Lists:

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