

SCOPE

THE PALOMAR AMATEUR RADIO CLUB NEWSLETTER



PARC needs volunteer for appointment as Vice-President.

Palomar Amateur Radio Club is currently looking for a volunteer for appointment to the position of Vice-President for the remainder of the current year. Ron, our recent Vice-President, advised the Board at the May Board Meeting that he will no longer be able to continue in this position. We all thank Ron for his time and efforts to benefit our Club. If you are willing to assist and benefit the Club, please let a Board member know. You can suggest another person as well. (We won't tell.)

Field Day Thanks

My thanks to all the participants in this year's series of workparties. Through your efforts, the Club is well prepared for Field Day. The main towers are nicely preserved, and those who were able to join us yesterday saw that the last tower really operates "sweetly"!

With all the station boxes inventoried and checked out, this represents one of the earliest completions of FD gear maintenance. And now the Club can take a look at other equipment maintenance. For the new licensees who helped, I hope you found this a valuable introduction to some of the many aspects of ham radio that you otherwise would have been wondering about.

There are many other things for you to see on Club workparties. I encourage you to take an opportunity and join one of the Club's repeater site workparties up at Palomar Mountain. It is a beautiful setting up at Palomar, and you will be really amazed by the technology and lay-out of the repeater site. Conrad KG6JEI, is the repeater site technical lead, and he announces the workparties at regular intervals.

To all who participated, on behalf of PARC, many thanks and I look forward to seeing you at Field Day.

73 de NN3V Charlie

Save the Date

Club Meeting

5 June 2013

The 7:30pm program is about Field Day.

Board Meeting

12 June 2013

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

Field Day

21-23 June

Contact Greg KI6RXX or Charlie NN3V to volunteer.

Fold & Staple for May SCOPE 2013
Al W6GNI And Kathy
Sonny WA5ACE Jo KB6NMK
Art KB6YHZ And Janet

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

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

Swan Mark II linear amplifier. Clean, working well \$650.

Heathkit HP23B Power Supply with 11-pin cable. Looks and works very well. \$70.
Ron K2RP@arrl.net (760) 436-8109

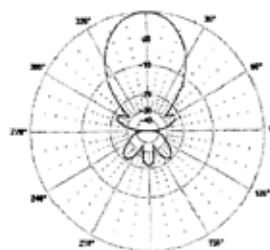
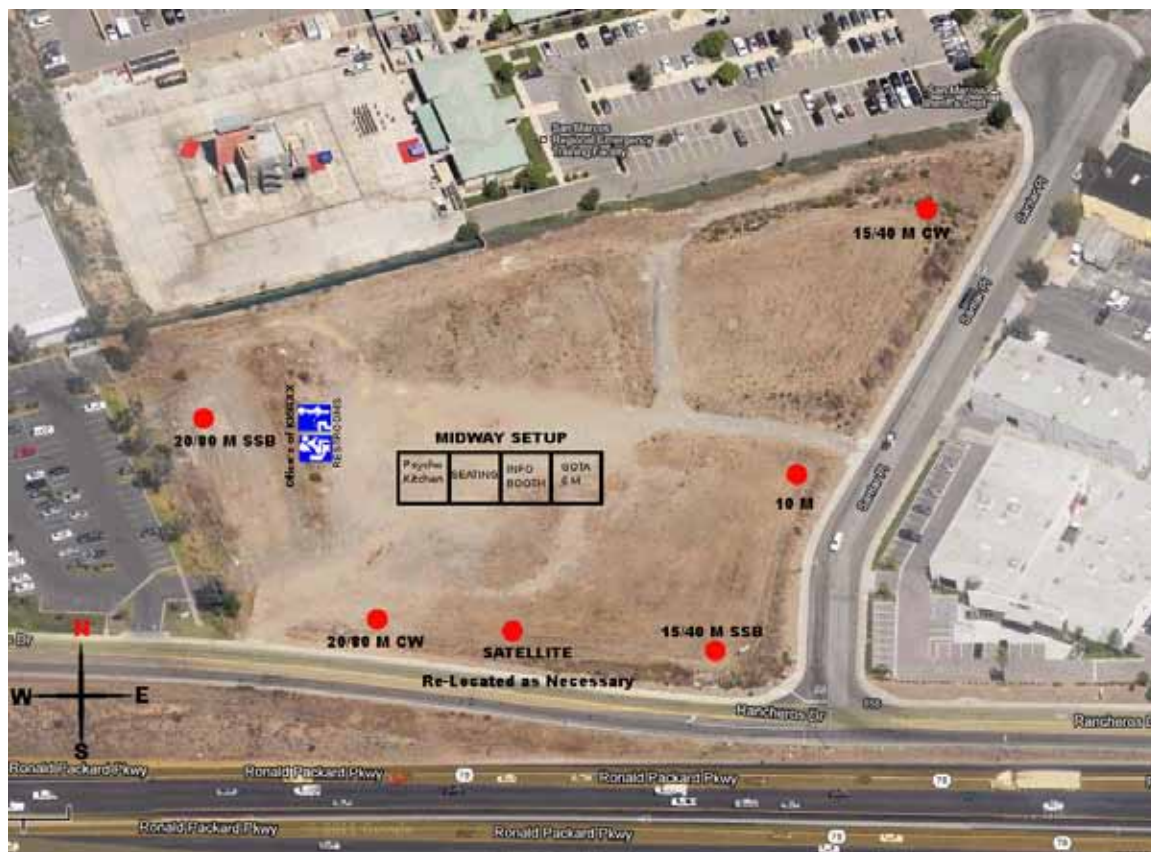
For Sale

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.

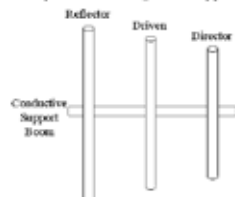
For Sale

Kenwood Communications Receiver, Model R-599 with factory installed 2m converter. \$100.00
Pete, K6JQE 858-755-4838. Solana Beach

Field Day 21-23 June 2013



Simple 3-element Yagi With Support Boom



W6NWX

WHISKEY SIX NOTHING WORKS GOOD

FD SCHEDULE

June 21
-11AM Setup at site

June 22
-7AM Breakfast
-8AM Crank up towers
-9AM Final Setup Test
-11AM CQ Field Day...
-1230PM Lunch
-1PM Radio Merit Badge
-3pm Testing (Tentative)
-6PM Dinner
-8PM NTS Message NET

June 23
-7AM Final Breakfast
-10:59:59 Final Contact
-11:30 Tear-down

PALOMAR AMATEUR RADIO CLUB

FIELD DAY 2013

21 - 23 JUNE

594 Rancheros Drive, San Marcos
(Adjacent to San Marcos Sheriff's Station)

OPERATING 7 STATIONS

- 10M
- 20/80M CW
- 20/80M SSB
- 15/40 M CW
- 15/40 M SSB ALL YL STATION
- GOTA STATION
- MULTIPLE BANDS INCL 6 METERS
- SATELLITE

DO NOT HAVE TO

- BE A PARC CLUB MEMBER
(Club Membership is encouraged)
- BE LICENSED
- KNOW CODE



FD PICNIC DINNER

Saturday 6pm
Psycho Kitchen

Category:
5A

MORE DETAILS
ON CLUB WEBSITE
WWW.PALOMARARC.ORG

ALL ARE WELCOME INCLUDING GENERAL PUBLIC!
COME OPERATE, LEARN MORE ABOUT HAM RADIO!
VISIT SAN DIEGO COUNTYS GREATEST AMATEUR RADIO CLUB!
COME JOIN THE FUN!

FIELD DAY



Insurance

There has been lively and interesting discussions concerning insurance for Club property. Many moons ago, Palomar Amateur Radio Club held insurance from a national agency. An article from the November 2001 SCOPE follows:

Your editor has been aware since at least 1984 that the club has maintained liability and property insurance and he assumes that the club had this insurance before he became active in club affairs. (our club has affairs?) Almost always, when we have meetings or Field Day gatherings, the owner of the property requires that we show them liability insurance of at least one million dollars or they won't let us in the door (gate).

Our present insurance is being cancelled as of November 1 st by our long term insurer because they don't make enough money off of us despite our paying them over \$1,000 each year for the one million liability and the \$50,000 equipment loss insurance.

At the last Board meeting the 5 Board members present decided to go for the ARRL liability policy at ~\$410 per year and to "self insure" the club for its equipment by putting \$600 (\$1,000-400) into a special "insurance" fund to take care of any losses we might have. It is believed that the club has never filed for a loss payment. The past insurance did not insure the tower or any of the antennas on the tower. It did not insure the trailers, cargo container, patches, and packet at a Vista location.

PARC Bylaws require that the Club maintain Fire and Theft insurance, in an amount that the Board determines.

It does not require that PARC buy insurance from the commercial market. But it does require us to maintain some type of insurance.

As part of the Club procedures, Officers are elected to act in the best interest of the Club and it's members. Prior Boards have found this to be the best use of assets, based on losses, needs, and returns. Our loss expectation is very small. Most radio theives are looking for the newest, greatest, and latest product to compete/monitor the newest radios. We don't have those. The next concern was copper thieves. With all the commercial racks around (and easily seen due to them showing above treelines,) They would be higher on the sourcing list.

The only loss that I know of was the original off the shelf repeater used by WR6AII. That was not claimed, but was replaced by the membership. We feel our biggest concern is fire on the mountain, and the local fire concerns are keeping that in check with a yearly assesment of growth, death, and underbrush. When they ask us to comply, we do.

Dennis KD6TUJ

HAM RADIO

Jose XE2SJB
Jerry N5MCJ
Joe N6SIX

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TEN-TEC
Hy-gain, Tri-EX,
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!

Museum Ships Weekend

The Brazos Valley Amateur Radio Club, KK5W is participating in this year's Museum Ships Weekend. June 1-2, 2013. Our call sign, KK5W will be credited as a contact with both WW II Submarine USS Cavalla and Destroyer Escort USS Stewart. Visit our web page for more information,

www.bvarcmswe.org.

We will be operating from Seawolf Park in Galveston, Texas, NA-143.

Frequencies as follows:

SSB
7.260 MHz
14.260 MHz
21.360 MHz
28.360 MHz

CW
7.039 MHz
14.039 MHz
21.039 KHz
28.039 KHz

Amateur radio operators in the Galveston - Houston area are cordially invited to participate.

You can sign up on the web page if you would like to operate KK5W during the event at Seawolf Park.

KK5W will also host two VHF Nets for Houston-Galveston amateurs to contact the local museum ships using the WA5CYI repeater 146.94 (-) PL 167.9 on Saturday and Sunday from 11AM - 1 PM Local time. We are anticipating the USS Texas (NA5DV), Elissa (N5E), and the Grandcamp/High Flyer Memorial (AC0TX) will be on the net.

Operation on OSCAR satellites is planned for daytime passes on Saturday, June 1.

A balloon launch is scheduled for Saturday morning.

For the second year, KK5W is sponsoring the Texas Navy Award.

This year's Texas Navy Fleet is expanded to include:

USS Cavalla and USS Stewart – KK5W
USS Texas – NA5DV
Tall Ship Elissa – N5E
USS Lexington – W5LEX
SS High Flyer and SS Grandcamp Memorial – AC0TX
National Museum of the Pacific War – N5P

For KK5W and AC0TX, one contact counts for both ships.

Provide evidence of two way communication (log extract) with at least four of the call signs during MSWE 2013 to earn the 2013 Texas Navy Certificate.

Work all six to earn the coveted "Clean Sweep" endorsement. Visit our webpage,

www.bvarcmswe.org

for information on how to claim the certificate.

73,
Ron, K5HM
Event Coordinator
k5hm.ron@gmail.com
www.qrz.com/db/k5hm

Participation points are earned by members supporting Palomar Amateur Radio Club. Support comes through attendance at meetings, work parties, operating events, and community support. These points can be redeemed for tickets at the annual picnic held in August. Points can accumulate up to a maximum of 20 per individual. Historically there are several gift certificates available to win. The real reward is your participation in ham radio. (But maybe a small bribe (*editorial note: to the EDITOR!*) will help!)

Field Day and Scouting

Dear Mr. & Mrs. Ham Ambassador,

Field Day is bigger than any one person. FD sites all across America bristle with communicators in action. It is the ultimate arena for introducing Ham Radio to Boy Scouts and their leaders. Just think, if you were a scout learning about Ham radio, what would be the most motivating example? ... to witness the full spectrum of Ham operations.

Our mission: to be ambassadors for Ham Radio.

This is the 1st time that PARC will be giving a Radio Merit Badge class during FD. We need to "Be prepared" to answer questions regarding the Radio Merit Badge requirements, and Ham Radio emergency operations.

Here are the Radio MB requirements:

1. Explain what radio is:
 - a. Discuss differences between broadcast and hobby radio
 - b. Discuss differences between broadcast and 2-way communication
 - c. Discuss how broadcast and amateur radio call signs are used
 - d. Discuss how the phonetic alphabet helps communicate clearly
2. Do the following:
 - a. Sketch a diagram showing how radio waves travel locally and around the world. Explain how broadcast stations WWV & WWVH help determine what you will hear on shortwave radio.
 - b. Explain the difference between a DX and a local station. Discuss what the FCC does and how it differs from the ITU.
3. Do the following:
 - a. Draw a chart of the electromagnetic spectrum from 100 kHz to 1,000 MHz
 - b. Label the MF, HF, VHF, UHF and microwave portions on your chart.
 - c. Locate on your chart 8 radio services, i.e. AM & FM broadcast, CB, TV, amateur radio (at least 4 bands) and public service (police & fire.)
4. Explain how radio waves carry information, including transceiver, transmitter, receiver, amplifier and antenna.
5. Do the following:
 - a. Explain differences between a block and a schematic diagram.
 - b. Draw a block diagram for a radio station showing: transceiver, amplifier, mike, antenna and feed line.
 - c. Explain differences between an open, a closed and a short circuit.
 - d. Draw 8 schematic symbols. Explain what 3 of these do. Find 3 component parts that match the 3 symbols.
6. Explain the safety precautions for working with radio gear, including the concept of grounding for direct current circuits, power outlets and antenna systems.
7. Visit a radio installation. Discuss what type of equipment you saw, how it was used, and what types of licenses were required to operate & maintain it, and the purpose of the station.
8. Find out 3 careers in radio. Pick one and find the education, training and experience required. Explain why you might be interested.
9. **AMATEUR RADIO**
 - a. Tell why the FCC has an Amateur Radio Service. Describe activities that the amateur radio operators can do on the air once they earn their license.
 - b. Using proper call signs, Q signals and abbreviations, carry on a 10-minute radio contact using voice, code or digital mode. Properly log the contact and record the signal report.
 - c. Explain 5 Q signals or amateur radio terms you hear.
 - d. Explain some of the differences between the Technician, General and Extra Class license requirements and privileges. Who administers the radio exams?
 - e. Explain how you would make an emergency call on voice or Morse code.
 - f. Explain the differences between handheld transceivers and home "base" transceivers. Explain the uses of mobile amateur radio transceivers and amateur radio repeaters.

WOW, if you look at the MB vs. the Technician class license requirements, you will see that they come very close. Talk about a great opportunity!

When – 1300 – 1700 on Saturday, 22 June. We've allotted 4 hours to the MB class. Not much time when you consider the challenge. This is a great opportunity to teach boys and their leaders a new level of individual preparedness. So every Ham should put a smile on their face and be prepared as a good ambassador.

Yours in Scouting, Fred Atchley, AE6IC

Field Day Safety Policy

We now have the following safety policy set in place for Field Day 2013.

Everyone who participates in work parties should be prepared for the work to be done.

Safety items are personal responsibility. Safety is everyone's responsibility. The work party leader will discuss the safety needs for the projects to be done. The leader will appoint a safety supervisor as necessary.

The leader will conduct work with the Safety supervisor watching for safety.

With the above safety policy in mind, one of the activities we will partake in during setup of and tear-down of Field Day is the raising and lowering of the towers. That is, taking them from the point of laying on the ground to standing vertical and vice versa. As we have learned, this is a time when we need to be most prepared and alert. Those who participate in this activity are requested to bring a hard hat to protect themselves from the possibility of falling objects from the towers while raising and lowering them. Hard hats are available from your local Home Improvement Store for as low as 7 dollars. It is also recommended that good shoes and a pair of working gloves be worn as well. As we will be working in the sun, a hat and sunscreen is also advisable along with water.

Although these items may not be a complete list of what you might need, they are meant to set the tone of how important safety is throughout the event.

Look forward to a fun, exciting and safe Field Day.

Greg Gibbs KI6RXX

Meeting Minutes

Palomar Amateur Radio Club
Board of Directors Meeting
April 10, 2013

The meeting was called to order by President Dennis Baca KD6TUJ at 7:47 pm at the home of Ron Pollack K2RP. In attendance were:

President: Dennis Baca, KD6TUJ
Vice President: Ron Pollack, K2RP
Treasurer: Teri, W6TRB
Secretary: Jim Cooper, NE6O
Director #1: Don Johnson, WD6FWE
Director #2: Rich Lippucci, NI6H
Repeater: Conrad Lara, KG6JEI
Membership: Al Donlevy, W6GNI

Treasurer's Report

- Teri W6TRB states Scope printing going up. Don WD6FWE & Dennis KD6TUJ suggest encouraging on-line distribution to help keep printing costs under control. Announcing on the web-site that Scope is available. It is the same as the printed version, except it is in color.
- Conrad KG6JEI asks about phone. Teri W6TRB says it is for 2 months.
- Discussion about changing membership dues whether they get an on-line or mail. If we send Scope out of county it costs extra.
- We have liability insurance for non-members. Ron K2RP will check to see if we have insurance through the ARRL.
- Discussion about the benefits of self-insurance versus ARRL insurance.
- Moved by Don WD6FWE to accept report. Seconded by Rich NI6H. Motion passed unanimously.
- Questions about the value of assets that will be insured, antennas, towers, property, etc. Need to determine how much property we have. Discussion about what equipment we have and what sorts of liability we have.
- Motion by Ron K2RP to get \$15K of ARRL equipment insurance for equipment on the hill.

Secretary's Report 38:57 51:45

- Jim NE6O passed out the February and March minutes for review.
- Moved by Don WD6FWE to accept the minutes for both months as corrected. Seconded by Teri W6TRB. Motion passed with one abstention.

General Meeting

- Rich NI6H states that the May meeting will be Red Cross Go-Kits by Jack AK6JN and Bob KG6RGI with a live WinLink demonstration.

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Operating Day!

April 28, 2013 started a little earlier than some of us planned. A group of Palomar members and others met up at Fry's Electronics in San Marcos at 8:00 AM. (yawn) Operating Day was here again. Another chance to show the public how Amateur Radio supports their community. The joy of having fun on the radio between needs of public benefit is always worth the time.

Tom KG6RCW sent and recieved permission for our use of the parking lot in front of a high volume retail location fronting a major highway. Conrad picked up the trailer to practice trailer towing and backing up. Harry W6YOO brought out HF QRP. PAPA/D-STAR demonstrated digital on vhf/uhf. Ted KD6AKT worked packet on 145.050 with a portable packet station. Red Cross has some great protable pre-boxed equipment for vhf/uhf and hf. A new item was video over 2.4GHZ mesh service brought by Ron KG6HSQ. One of Fallbrook's members had filled his truck with radios. The cab was loaded, including the passenger seat area. His wife reminded him that if she can't ride, his radios couldn't ride.

Skywarn/NWS informed visitors about how they can help with Skywarn. We all had a great day with close to 100 acknowledged visitors. We are sill looking to involve other clubs and services to educate the public about AMATEUR RADIO. Great day, plenty of sunshine, gentle breeze, and the best of company.

Dennis





continued from page 7

- Ron K2RP states that June is our traditional Field Day meeting. Question whether the entire meeting will be Field Day. Dennis would like to have a small additional program.
- Ron K2RP states July will be an EME presentation.
- Potential presentation by National Geographic guy who went down in the deepest ocean trench.

Membership

- Al W6GNI states that membership is now 280. He will take applications at operating day and will pass out tri-folds at VE sessions.

501C3

- Ron K2RP got copies of the applications from three other groups.
- We have to amend our articles of incorporation making sure that if club disbands, its assets go to another charitable organization. Fill out stacks of paperwork for application. The examiner for EARS said they could not have any commercial advertising or want ads, but other clubs did not have this restriction
- Ron K2RP will print up sample articles of incorporation and send to the board.
- Rich NI6H asks if there is a better way. Dennis suggests consider setting up a second corporation as a C3. Rinki Pollack stated that she has worked with 501C3 and have separate accounts for operating expenses and for 501C3. Teri W6TRB says insurance rates are better if you are a 501c3, just benefits. Making a second corporation does not add benefit. Rich NI6H wants review by tax attorney. Ron K2RP is satisfied with

things as they are.

- Rich NI6H and Dennis KD6TUJ will look into this. Ron will do what he can to make the articles look right and send it to the board.

SANDARC

- The elections are coming up this month.
- Conrad is up for nomination for Secretary.
- Conrad and Dennis will vote for the best interest of PARC per the board's motion.

- Send a letter to SANDARC and forward to Dennis

The Palomar Amateur Radio Club appoints Dennis Baca KD6TUJ and Conrad Lara KG6JEI as primary delegates. The alternate delegate will be Greg Gibbs KI6RXX. These appointments will continue until such time as they notify that they are unable to continue or superseded by new letter from board. By unanimous motion of the PARC BOD.

Sign Jim secretary date as todays meeting

- Motion by Don WD6FWE. Seconded by Al W6GNI. Motion passes unanimously.

Repeater Report

- The two digital repeaters 145.050 and 146.700 have been reinstalled on the hill. 145.050 is working fine. 146.700 is undergoing testing.
- The 147.075 has been restored to active service on working party.
- Minor site repairs on next work party. Everything is in good condition. Antennas and connections will be checked at next work party.
- Articles have been sent to Scope about work parties.

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Field Day

- Dennis KD6TUJ received today by mail that we have a three day lease on the site by the Sheriff department.
- Greg KI6IRXX has put out another flyer to hand out. Paul KB5MU will put it up on the web-site.
- Have all band captains for all stations. Need confirm equipment for the YL station.
- Billing from Charlie NN6V for \$290.98 for three winches. Teri W6TRB has sent out the check.
- Motion by Don WD6FWE for additional winch, not to exceed \$125. Seconded by Ron K2RP. Motion passed unanimously.
- Motion by Teri W6TRB to amend the number of winches purchased from two to three. Seconded by Ron K2RP. Motion passed unanimously.

OTHER STUFF

- Operation Day will be on Sunday April 28. Setup will start at 8am. Operation will be from 9am to 5pm. The location will be at Frys Electronics San Marcos parking lot nearest to 78. Teri W6TRB will get a quote on signs saying "Amateur Radio Demonstration" and "Public Invited", 3x15 foot or appropriate pre-fabricated length.
- Motion by Don WD6FWE to approve up to \$400 for additional banners to advertise Amateur Radio at future events. Seconded by Conrad KG6JEI. Motion passed with one abstention.
- There is going to be a Scout Fair at Qualcomm Stadium on Saturday April 27. Conrad KG6JEI will take trailer and equipment.
- Interstate Battery in Vista is selling an expanded line of batteries.
- The Boy Scouts have asked for a speaker. Charlie NN3V will talk to them in Poway.

- A request for reimbursement for food brought to the Palomar Christmas Pot-Luck Party was received. It is being responded to.

SAFETY POLICY

- Discussion about safety issues.
- PARC should develop a safety policy.
- Moved by Conrad KG6JEI to defer any further raising of club towers until a safety policy is approved by the board. Seconded by Don WD6FWE. Ron K2RP moved to table the motion. Seconded by Don. Motion passed unanimously and the motion is tabled.
- Motion by Conrad KG6JEI that the club will not raise any towers until directed by the board. Seconded by Don WD6FWE. Motion passed with one abstention.

NEXT BOARD MEETING

- The next board meeting will be at the home of Ron K2RP on Wednesday, May 8 at 7:30pm.

ADJOURNMENT

- Ron moved to adjourn.

Respectfully submitted
Jim Cooper NE6O
PARC Secretary

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Info for June SCOPE

While we certainly appreciate Reinstated members, we believe many "Reinstatements" are due to members not aware that their membership was due. Since many members now get the News Letter (SCOPE) on the web, they don't receive the paper copy that we mark blue when membership is almost over, and red when the time for renewal has passed. The Board has recommended that we publish member's calls that are getting close to renewal time. The following members are due for renewal in a month or so. Hopefully, if your call is in this list, you will find time to send a check, or tell PayPal to renew your membership. KK6LJ, KK4JRJ, KG6KLV, KE6VLY, KG6HSQ, AE6IC, KJ6DPR, KJ6JUS, KJ6VXW, KF6LPJ, KU1Y, KD6AKT, KJ6WKB, KF6LWO, N6PD, W6PSK, N6RTI, W6NKB, W6BGK, KI6RXX. - more next month!

Thank you,
Al W6GNI

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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 7:30pm on 5 June 2013, Palomar Amateur Radio Club presents a program about Field Day.

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