

SCOPE

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



There is no meeting on the 4th of July.

Our meeting is postponed to 11 July 2012 in order to allow everyone to celebrate the holiday.

40m On the Graveyard Shift

by Paul KB5MU

This Field Day I was only able to operate during the graveyard shift, from about 3am to 7am. This is the slowest time during the main 24 hours of Field Day, for several reasons. Propagation is generally limited to the nighttime bands, though it's certainly possible for 20m or even higher bands to be open. It's more than halfway through the event, so other operators have probably worked most of the loud stations already. The loud stations tend to be the ones with all shifts manned and CQing for the full 24 hours, so they are the easiest to find and easiest to work. Then there are the stations that simply shut down in the wee hours. You can't work 'em if they're not on the air. After the sun comes up and the Sunday morning hams turn on their rigs, things speed up again.

Continued on page 2

Save the Date

Club Meeting
11 July 2012

N6ERD Dan presents
Logbook of the World.

Board Meeting
18 June 2012

Palomar Amateur Radio
Club board meeting at
7:30pm at K2RP QTH.

Harding Hustle
7 July 2012

[http://trailrunning.
dirtyfeet.us/
hardinghustleindex.html](http://trailrunning.dirtyfeet.us/hardinghustleindex.html)
Volunteers needed!

Continued from page 1

As it happened, I spent the time on 40 meters, both phone and CW. I was mostly just listening over the shoulders of the scheduled operators, Michelle W5NYV on phone and Phil KA9Q on CW, though I took the controls briefly at both stations. I had time to listen and reflect. What I noticed was that CW was working a lot better than phone. The QSO rate was faster, and many fewer retransmissions were needed. There are sound technical reasons why CW works better when the signal to noise ratio is very poor, but usually the greater convenience and speed of spoken language mean that the phone station can make contacts faster. That's why CW contacts are worth double the points in most contests and in Field Day.

There was plenty of activity on 40m and propagation to most of the U.S. and Canada, so there was no lack of signals. Despite that, it didn't seem terribly crowded, at least not with signals that were identifiable as such. Most of the signals we tuned in were more or less in the clear, not heavily overlapped by stations on nearby frequencies. Many of the loudest ones were, of course, stations we'd already worked ("dupes"), on both phone and CW.

On CW, we were able to tune in a station, make our call, and have a reasonable expectation of being heard. On phone, most of the stations we

called couldn't hear us, which can be downright frustrating. What was the problem? Noise. Lots of noise. Horrendous noise. The high noise level meant we could only attempt to make contacts with the loud stations, and on the other end it made it harder for them to hear us. Making matters worse, this was happening for all the modest stations on 40m, so all of us were probably trying to call the same few strong stations and generating lots of interference on top of the noise.

The same noise was present in the CW portion of the band, but CW operators can use much narrower filters. Narrow filters in the IF stages of the receivers, narrow audio filters in analog or DSP, and narrow filters in the operators' brains. As a result the noise is much less crippling, and all the secondary effects of a high noise level are greatly reduced.

The club has had good success generating points on CW for many recent Field Day outings. Some years the CW score really dominates phone, even though we operate more stations on phone and have many more qualified operators available. This has puzzled me a little in the past, but now I think I have it figured out. It's the noise.

What about digital modes? Theory says they should be even better in noise. But that's another story.



*My FT-7900 in my Jeep.
Joseph Peterson K6JPE*

A First Field Day Report

by Ken Leon KJ6SJZ

PARC Field Day 2012, went down this past weekend in San Marcos. As my first FD, it was a great learning and training experience for a new ham. I received my first opportunity to handle, tune, and assemble beam antennas for the various stations at Field Day: 20/80 M SSB; 15/40 M CW; 10 M SSB; 15/40 M SSB; 20/80 M CW; Satellite; and Get On The Air (GOTA).

I was assigned to PARC 10 m SSB with Preston, W6ASP, 10 m band captain. A PARC working party assembled, tuned, and moved the beams, towers, and shelters from PARC storage to the Field Day site on Rancheros Drive in San Marcos on Friday afternoon, June 22nd. On Saturday morning at 1100 PST, PARC 10 m station commenced field day operations on mobile generator power running a Yaesu FT-950 transceiver with Voice Keyer, 80-100 watts output, connected to a Dell Laptop for contact logging. We were 5A SDG for logging purposes.

PARC 10 m band operations began slowly with

Continued on page 5

Palomar Amateur Radio Club is looking for help to provide for the coffee goods table. The individual(s) would maintain the coffee service items for the Club. Jim W6SST has provided these services for the past few years, and has been very appreciated. Due to changes in his personal schedule he will not be able to continue. We all wish him well in his adventures and look to hear him on the radio. Individuals willing to assist the club with coffee service should contact a Board Member.

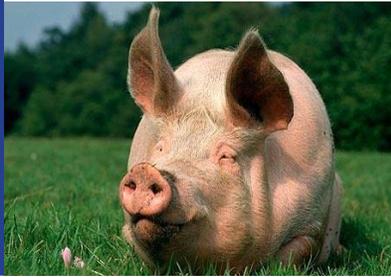
Dennis

Contact RBERS@live.com for info:

1. MFJ Versa Turner II MFJ941D \$80
2. MFJ Super DSP Filter MFJ784 \$100
3. Kenwood Station Monitor SM220 \$250
4. Hustler Antennas
RM9 \$10
RM12 \$10
RM15, \$10
RM20 \$20
RM40 \$20
RM75 \$20
5. Communications Specialist TE64 External Tone Generator \$35
6. Kenwood TS130S Transciever \$350
7. Yaesu FC901 Antenna Tuner \$300
8. Heathkit Linear Amplifier SB200 \$340
9. Kenwood PS50 Power Supply \$135
10. Kenwood TS940S \$400
11. Johnson Low Pass Filter Mod 250-20 \$10
- 11a. Johnson Low Pass Filter Mod 250-20 \$10
12. Waters Dummy Load Wattmeter Mod 334A \$160
13. Kenwood TM231A 2 Metet Tranciever \$100
14. Yaesu FT11R 2 meter hand held with two FNB28 batteries, a Quick Charger, and a 12 DC car charger \$60
15. Radio Shack HTX242 2 meter transciever \$80
16. RG8/U cable \$15
17. Kantronics Packet Communicator 3 plus \$125
- 17a. MFJ-1272MYV Mike TNC \$35
18. Johnson Match Box SWR Bridge Mod 250-25 \$120
19. Swan Watt meter (Needle Stuck) \$5
20. Drake Q-XER Mod593 \$20
22. Heathkit Line Monitor IM103 \$20
23. Palomar M827 SWR/power meter \$70
24. Triplett Absorption Freq meter Mod3256 \$10
25. Heathkit Grid Dip meter ModGD1B \$20
26. Tunnel Dipper with attachments \$15
27. Heathkit AM2 SWR meter \$5
28. SWR Power Meter Cat. No. 21-524 \$25
29. Antenna Switches \$10 ea
30. Coaxial Relay 1000 Watts type DKC-6E \$30
32. GE CB 40 Channel Tranciever Mod 3-5804F \$10
33. GE CB 40 Channel Transciever HT 3-5900 \$10
35. 2 Mag mount CB Antennas \$15 ea
36. 2 meter mag mount antenna \$15
38. Hustler HF Multi-Band 5-BTV with RM80S top \$150
39. Cushcraft Ringer Ranger ARX 2 meter \$50
40. Backer and Williamson lo pass filter mod425 \$10
41. MFJ-910 mobil antenna matcher \$15
42. Kenwood MC60A mike \$100
43. Kenwood MC60A mike \$100
44. 1968 Vibroplex presentation key \$175
45. MFJ 422-CX Key \$35
46. Navy CTE -26003A Key \$40
47. Bencher Key \$60
48. 2 Vintage J-38 keys \$35 ea.



You know you are a radio Geezer if it's been 40 years since you got the snot shocked out of you. Congrats!



"Longinqui contacti sunt boni." -Ken Leon

Search for people, places and things

Palomar Amateur Radio Club

Write Post Add Photo / Video Ask Question Upload File

Write something...

Robert Johnson
Did you miss it? Well now is your chance to see what happened at Field Day.

PARC Field Day 2012
www.qsl.net

Like · Comment · Follow Post · Share · 3 hours ago

Donald Johnson was at Parc Field day in san marcos CA 2012.

Unlike · Comment · Follow Post · Yesterday at 7:41am

You like this.

Paul E. Dorey One of our 'crack CW' ops at 20/80 - Rick,NGCY
Yesterday at 4:42pm · Like

Write a comment...

Palomar Amateur Radio Club has a page on Facebook. If you're on Facebook (even though Charlie NN3V isn't), consider joining our group at

<https://www.facebook.com/groups/194674987710/>

Results for hamr

Tweets Top / All

- Jerry Taylor** @kd0bik 29m
Some great special event stations on the air this weekend. Get the run down on PARP Plus myamateurradio.com/parp-plus-edit... #hamr #parp #bf
Expand
- Camb-Hams** @g3pye 2h
The Camb-Hams have registered for the #RSGB_UK VHF NFD contest which takes place over the weekend of July 7-8th. #hamr
Expand
- Jeff Davis, KE9V** @ke9v 6h
41 of 77 FD contacts made on forty. 40 meters is the best tool in the HF utility belt. #hamr
Expand
- Jeff Davis, KE9V** @ke9v 6h
W3AO - 27A. Holy smokes! I couldn't afford to pay for the gasoline for the generators for that operation! Would love to have seen it. #hamr
Expand
- Peter Goodhall** @2e0sql 8h
Awesome, both my Android ham radio apps now have over a 1000 installs each now! #hamr
Expand

Above is a sampling of the ham radio talk on twitter. Use the "hash tag" #hamr to tag your posts for other hams to find.

Call for Volunteers

The 3rd running of The Harding Hustle is 7 July 2012!

Of course the biggest part of putting on a successful race is volunteers. So - I'm putting out my first call for volunteers. If you can help - please let me know. If you aren't sure yet - then let me know you are a "maybe". If you have friends or a group whom you can tell about this event, I would greatly appreciate it. The more help the better.

Some duties that I need to fill:

- Ham Radio
- Race Prep (course marking, etc)
- Aid Station workers on race day
- 4x4 drivers for transportation

Remember - volunteers get a short sleeve tech shirt + food for helping. Shift times vary. Please let me know if you are interested/available to help - and/or please help spread the word.

Thanks much!
Jessica DeLine, RD
<http://www.hardinghustle.com>

Continued from page 2

sporadic path and few signals until late afternoon, when it swiftly improved to near pile-up conditions from 1700-2100 PST when we logged a total of 79 contacts before going quiet again. Florida, North and South Carolina, Georgia, Tennessee, Kentucky, and Alabama came alive on 10 m SSB late in the day. Sunday yielded only 2 more 10 m SSB contacts by 1100 PST when FD 2012 secured operations. Overall, PARC 10 m station worked HI, WA, OR, CA, WY, ID, UT, NV, CO, TX, OH, IN, KY, TN, GA, FL, NC, SC, AL, VA, MD, PA, CT, NY, and NH, etc.

I learned a lot by watching, listening, and operating after we set up the rigs, towers, beams, rotators, and shelters. I was able to visit, observe, and compare notes with all PARC stations in both CW and SSB operations. I now have a Wish List for my next rig as well as several antenna ideas for my restricted neighborhood! I received professional advice on my continuing CW training. And I now have a better sense of what goes on in a contest even though Field Day is not officially a contest. It was, however, challenging and FUN!

Food service and quality were very good, thanks to Jim! Coffee mess duties were mine as an Old Navy hand who enjoys strong coffee all day long. NN3V's dictum about wearing gloves and using sun screen during set-up and tear-down proved to be wise advice.

WN6K Paul, my Elmer, prepared me well for Field Day, while the actual event reinforced and clarified my earlier reading, shack configuration, and limited operating experience. Operating on mobile generator power was a first for me at FD 2012. We were fully up and operating on the generator when 10 m band captain, W6ASP Preston, gave me the operating position. As soon

as I had begun operating, our 35 amp power supply promptly fried something internally when the output power exceeded the meter maximum of 29 A. We shut down the rig immediately. While awaiting a spare power supply that was fortunately on-site, we worried over the electronic integrity of the rig and hoped that it had not also fried something internally. Thankfully, we were quickly back in operation with a new power supply (on loan); as hoped, the rig was still receiving and transmitting on spec. Our team breathed a collective and welcome sigh of relief. W6ASP introduced me to his FT-950 Voice Keyer which made life easier on our vocal cords; it proved to be a very useful feature throughout the day. We alternated between using the Voice Keyer on likely RF's, while alternating between Search-and-Pounce tactics across the lower half of 10 m. Both procedures yielded contacts.

As we settled into the first full day's operations, our 10 m SSB station became aware that we were interfering with the 15/40 M CW station which was positioned in a direct line between our station and the Northeast compass direction. Our beam antenna was also closer to their beam than any of the other stations. We wondered if there would have been merit to another field day example where all stations were positioned equidistantly in a straight line oriented 90° from the anticipated compass direction for beam antennas.

I will be processing my experience at Field Day 2012 in conversations with Elmer and in my own continued research and training. Overall, FD 2012 was focused, a bit intense at times, but Very Good Training for me, KJ6SJZ.

73,
Ken KJ6SJZ



www.arrl.org

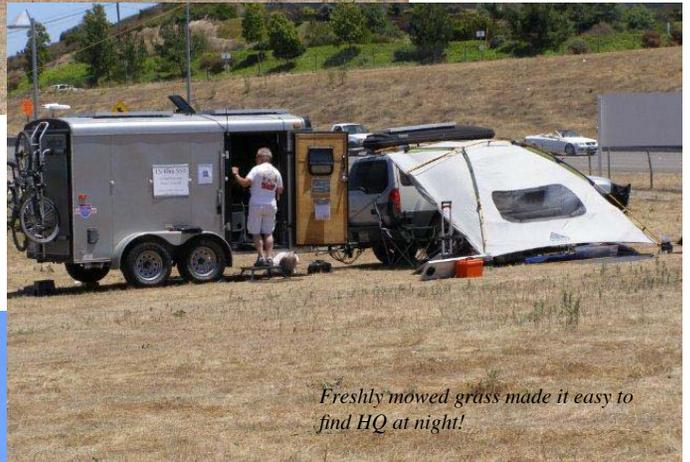
What did you do for Field Day?

Send in your stories, successes, scores, photos, diagrams, plans, fixes, failures, and funnies to...

scope@palomararc.org



Don KD6FWE reports from the GOTA station that "my youngest was 8 years old. We had three at 11 or younger."



Freshly mowed grass made it easy to find HQ at night!



Photos by Ken Leon KJ6SJZ



HAM RADIO

Jose XE2SJB
Jerry N5MCJ
Joe N6SIX

H
R
O

OUTLET

KENWOOD
rf **CONCEPTS**
DIAMOND
US TOWERS
KANTRONICS
YAESU, MFJ, ICOM
BENCHER, Inc.
HUSTLER
COMET
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Astron,
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OUTBACKER
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too
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Minutes
Palomar Amateur Radio Club
 Board of Directors Meeting
 June 13, 2012

The meeting was called to order by President Dennis Baca KD6TUJ at 7:41pm at the home of Al Donlevy W6GNI. In attendance were:

President	Dennis Baca KD6TUJ
Vice President	Ron Pollack K2RP
Secretary	Paul Williamson KB5MU
Director #1	Don Johnson WD6FWE
Director #2	Eric Hutchins K7ELH
Membership Chairman	Al Donlevy W6GNI
Repeater Technical Chairman	Conrad Lara KG6JEI
Newsletter Editor	Michelle Thompson W5NYV

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Photos by Rod Johnson



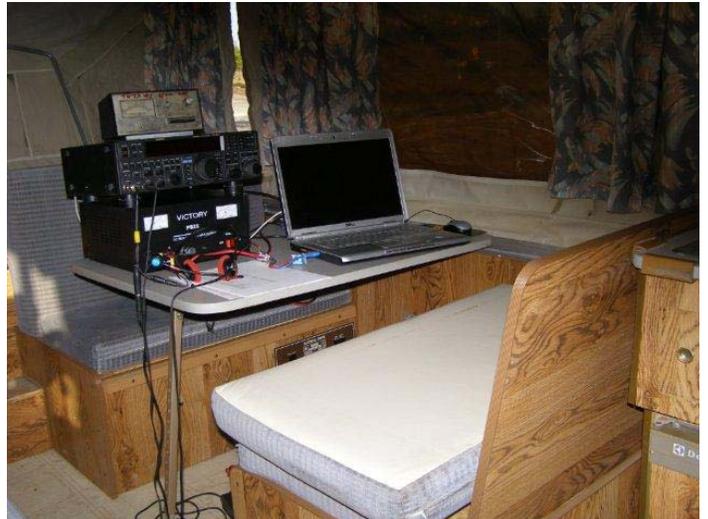
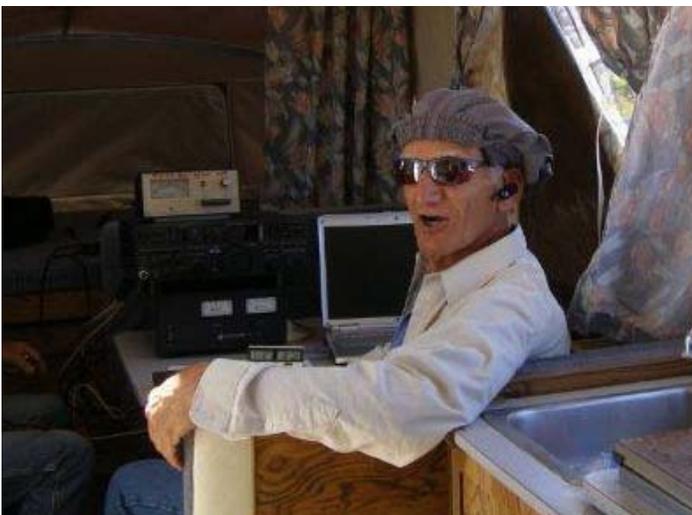


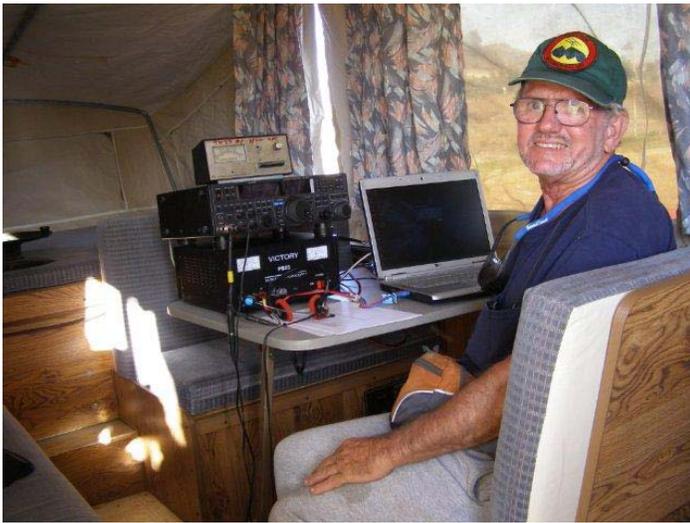
Photos by Ken Leon KJ6SJZ





Photos by Ken Leon KJ6SJZ





the nine memberships expiring in February, two had no email address on file, and three of the email addresses bounced. In March, six memberships expired, one had no email address, and three bounced.

Repeater Technical Report

KD6TUJ reported that the temporary 6m antenna survived the winter but not the spring, and will be refurbished at a future work party. Critter invasions have been noted at the site. One building's thermostat was found inexplicably set to 100° F. The 146.73 MHz repeater has been resetting for no known reason. Echolink seems to be working now. KC6UQH reported at the club meeting that he has fixed the transmit side of the ATV repeater but the 2m intercom receiver is not working.

Picnic

Motion by K2RP to reschedule the picnic from August 26 to August 19, if the date is available at the park, to accommodate a schedule conflict for two Board members. Seconded by WD6FWE. Motion passed. KD6TUJ noted that the park reservation fee is about \$130, based on last year. Motion by KB5MU to approve up to \$150 for the park reservation fee. Seconded by WD6FWE. Motion passed. Motion by K2RP to allocate \$300 for picnic raffle prizes, to be awarded according to the usual rules. Seconded by WD6FWE. Motion passed with five ayes and two nays.

Field Day

Field Day seems to be well in hand.

Next Board Meeting Location

It was agreed that the next Board meeting would be held at the home of K2RP at 7:30pm on July 18, 2012.

Adjournment

The meeting was adjourned at 9:19 pm.

Respectfully submitted,
Paul Williamson KB5MU
Secretary

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Treasurer's Report

KD6TUJ distributed copies of the Treasurer's Report. There was a question about why the telephone bill is so high; perhaps we are paying for more lines than we now need. Motion by KB5MU to approve the Treasurer's Report as published. Seconded by WD6FWE. Motion passed unanimously.

Secretary's Report

KB5MU distributed copies of the minutes of the May board meeting, previously sent by email. Motion by K7ELH to approve the board meeting minutes as published. Seconded by W6GNI. Motion passed with KG6JEI abstaining.

Upcoming General Meetings

K2RP reported that the program for the next meeting will be presented by Dan N6ERD on Logbook of the World: beginning to end, how to get started, and how to use it.

KD6TUJ pointed out that the July meeting is on the 11th, not the 4th, but that it would be good to publish the Scope before the 4th so members find out in time.

Membership

W6GNI reported that the membership is 265. Of



June club meeting photos by Paul KB5MU. Program was about Field Day.

Club Membership

New Members Joining PARC:

KJ6OSG, WO5K, KJ6WVY, KJ6UWJ, KG6MDB, AND KJ6WUW.
And FIVE "old" members reinstated their membership.
Thanks to all!

And, I have been attempting to send e-mail reminders to members whose membership has "expired" in the last few months. It is amazing how many e-mails that have been provided to us have also "expired" "Bounced".

This is a short list of "Bounced e-mails". KG6KLV, WA1QMI, W0NI, AG6BM, W6TVA, KJ6HOU, KD6KZH. If you haven't renewed, Please do so!! Pretty PLEASE!!!

AI
W6GNI

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March Issue Fold & Staple Crew

March Issue Fold & Staple Crew

KB6NMK Jo WA5ACE Sonny

KB6YHZ Art & Janet W6GNI AI & Kathy

Do you have a mobile installation? Do you want to have a mobile installation, and need some motivation?

We're looking for a few good mobile installations - whether they're completed, on the drawing board, or half-way done and tripping you and your passengers every time you get in and out of the vehicle - to be featured in the Scope. We'd love to show your installation.

Tips, narratives, explanations, techniques, problems encountered and solved (or encountered and evaded) are what we're looking for. Send them in!
scope@palomararc.org

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For Sale

Hammarlund HQ 129X receiver (vintage 1946) in great working condition (New Filter Caps) and above average appearance. \$150. K2RP@ARRL.NET or 760-436 -8109

For Sale

Hello:

My 93 year old neighbor (Richard Krist) has requested my assistance with re-listing his radio gear (as he is going deaf).

For Sale (BEST OFFER)

Cushcraft Ringo Ranger, Model ARX1, Vertical 2M	\$30.00
YAESU FT-1000D Transceiver	\$2,000.00
Kenwood TS-950 S, 10-160 M Transceiver	\$2,000.00
Heathkit Phone Patch, Model HD 15	\$30.00
Remote Motor driven, 6 Pos Coax SW with Control Box	\$100.00
YAESU FT 2500 M, with Astro PS 12 A	\$300.00
Kenwood TR-7330 2 M, with Astro PS7A	\$150.00
Ten-Tec Titan amp 1kw, 10 to 160 M	\$2,000.00

Contact: R. F. Krist, W6KTE, (760) 724-2786

Buyers are welcome to contact me with their offers via email or on my cell phone so that I can present them to Richard. I can send photos if that will help. Thanks for your assistance in this matter.

Regards, A good neighbor

Dennis S. Stizza
Home: 760.724.2786
Mobile: 760.717.2214
dstizza@pacbell.net

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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 the 11th of July 2012 the program will be presented by Dan N6ERD. It will be on Logbook of the World. "Beginning to end, how to get started and how to use it."

Arrive at 7:00pm to socialize. We look forward to seeing you at the Carlsbad Safety Center, 2560 Orion Way, Carlsbad, CA.