

SCOPE

THE PALOMAR AMATEUR RADIO CLUB NEWSLETTER

Field Day is over. The next steps will be to start compiling the results and submit them to the ARRL for Field Day credit. Overall I would say this year's Field Day went well.

We started on Friday collecting the gear at about 8:00am. Then it was off to get the new tires for Dennis's trailer that stores and then hauls the club's towers each year. The tires are apparently a special size and were delivered that same day to the tire shop. The only thing that delayed us was that the Good Year tire shop ran out of the right size valve stem. Thankfully there was a Big-O tire shop down the street that Good Year was able to purchase from. We arrived onsite around 1:30pm. Only about two hours and thirty minutes behind schedule. Thank you to everyone who waited patiently. We were able to catch up though, and actually finished setup about an hour earlier than last year. Yay impact drill! Our usual source for water, Daisy, was unavailable this year due to starter problems. So who came to the rescue? None other than the San Marcos Fire Department. They brought a truck around 2:30pm. Boy, they can sure fill the trash cans faster than Daisy's little garden hose. Murphy was fairly quiet this year. Our only hiccup was the placement of the two voice station towers. The ground isn't as level as I remembered in some spots and thus we weren't able to extend them all the way. At the end of the day a few of us retreated to Phil's BBQ.

Saturday went well. Moat stations were on the air at 11. Once the 20m voice station realized their antenna was pointed in the wrong direction, they were off. We had the ARRL Southwestern Division Director visit our site as well as the Assistant Section Manager. In addition we got a visit from the Union Tribune. A representative from Diamond Antennas came and gave us some free antennas to be raffled off to new club members who signed up during Field Day at the next club meeting. Tom KI6IET manned the info table this year and did a great job at getting visitors and club members to sign in. He also got a handful of new members to sign up as well. Food this year was provided by Gina Roberts N1OW and it was extraordinary as usual. A new addition to this year's menu was

Psycho Chili, and boy was it delicious.

Tear-down on Sunday went very smoothly. Just before Field Day was ending at 10:30am, we got a visit from a passer by wanting to know what all the commotion was about. He was from the Daily News. We chatted with him and showed him around the site, of course all the while trying to indoctrinate him into the hobby of Ham Radio.

By this time next year, our Field Day site is planned to become a DMV. Unfortunately, nothing in that acronym spells Field Day. This means we the club will have to start looking now, for a new site. Please send any suggestions to the board.

Field Day is a group effort and our club sure puts on a great effort each year. The Palomar Amateur Radio Club Field Day Extravaganza isn't accomplished without all the hard work and support from our membership. Many hands make light work and it clearly shows with how smoothly this year's Field Day went. Thank you to all who helped make this year's Field Day a great success!

If anyone is interested in running Field Day next year, I am more than willing to help them out. :-)

73 DE,
Greg Gibbs KI6RXX
760-583-9668



Save the Date

Club Meeting
2 July 2014

N6SZO and KE6PHB
will talk about Hidden
Transmitter Hunting

Board Meeting
9 July 2014

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

Club Events
Save the Dates!

PARC Picnic August 24
Harbor Days September
27,28 with Oceanside CERT
Operating Day November 23

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 \$125
Drake UV3 3 Band VHF/UHF transceiver with manual, all 3 modules, mike, tone encoder \$375
Kenwood TS 850S with auto tuner, cw filter, power cord, manual. No mike. \$550
Yaesu FT100 with original manual, mike, 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

FOR SALE

- 1) Weller EC1002 Solder Station, regular pencil: \$75
 - 2) Weller EC1002 Solder Station, thin pencil: \$65
 - 3) Fluke 83, probes, and case: \$110
- Contact kk7kx: assi@kiloxray.com

It is not too early to start thinking about who will serve as the President for the next year. Dennis will not be available due to health concerns expressed by his wife. (Longevity will be severely shortened if he continues.) Please consider who can serve.

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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

HAM RADIO FLEA MARKET/GARAGE SALE SUMMER SOCIAL

WHEN: SATURDAY, JULY 19 9:00 AM TO NOON

WHERE: K2RP QTH
659 SHANAS LANE
ENCINITAS
760 436 8109

WHAT: SWAP BUY SELL ANY HAM RE-RELATED EQUIPMENT. EMPHASIS ON VINTAGE GEAR, BUT ANY GEAR IS WELCOME.

BRING YOUR OWN TABLE. PLAN TO TAKE ANYTHING HOME WITH YOU THAT DOESN'T SELL!

YOUR HOSTS:
RON K2RP
JOHN K6KOI



Check Out PLARC

Hello,

Just trying to get the word out about our club up on Pt. Loma in San Diego... Here's our details:
PLARC (Point Loma Amateur Radio Club)

Public Facebook:
<https://www.facebook.com/pages/Point-Loma-Amateur-Radio-Club/1805469812927803>

W6RDF is the call sign of the Point Loma Amateur Radio Club's radio station in San Diego, California. This call sign is used for all radios/repeaters operated by the club and its members. The club maintains both a 2m repeater and Amateur TV.

2M Amateur Repeater:

Input Frequency 145.380 MHz
Output Frequency 144.780 MHz
Subaudible Tone (CTCSS) 107.2

Location:

Latitude 32.420035N
Longitude 117.145412W
Grid Square DM02pr

Amateur TV Repeater:

Input Frequency 434.0 MHz AM
Output Frequency 1277.5 MHz AM

Thank you,
Brian Jester
KB8UIP & VE3SPG

Field Day Video



<h2>HAM RADIO OUTLET</h2> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> H R O </div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> Jose XE2SJB Jerry N5MCJ Joe N6SIX </div>	KENWOOD rf CONCEPTS DIAMOND US TOWERS KANTRONICS YAESU, MFJ, ICOM BENCHER, Inc. HUSTLER COMET AMERITRON	Astron, AEA, OUTBACKER Larsen Antennas 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.
Open: 10a.m. – 5:30p.m. Monday thru Saturday 858 560-4900 or toll free 1-800-854-6046	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!		



PARC fully participated in the 2014 Field Day. Photos by Greg KI6RXX, Don WD6FWE, and Paul KB5MU.



NX6T All Asia CW Contest M/S HP 2014

Condx not so good and a skeleton crew of 4 Ops kept the score down from our 2012 500K point record.

We took First Place for our M/S HP Category but 3rd place overall for North America as N6RO who did a Multi-Multi and K6XX SOAB both in Northern CA where they had much better propagation to Japan and China.

I could hear N6RO on Monterrey peninsula working many JA stns we could barely, if at all, hear.

All Asian DX Contest, CW

Call: NX6T
Operator(s): N6KI WA2OOB WB6NBU K4RB
Station: NX6T

Class: M/S HP
QTH: CA
Operating Time (hrs): 24

Summary:			
Band	QSOs	Mults	

160:	0	0	
80:	0	0	
40:	110	50	
20:	387	137	
15:	424	128	
10:	52	26	

Total:	973	341	Total Score = 348,502

From Dennis N6KI

Field Day Photos from Paul KB5MU



Field Day Photos from Ron K2RP

At left is Dick, K6AA, ARRL "Grand Raccoon" for Southwest division with Jo, KB6NMK and Bob K4RB at the 80/20/10 CW station.

Below, Gina of Psycho Kitchen fame. The food was excellent!

Thank you so much for helping make Field Day an enjoyable experience for participants and visitors.





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SANDARC Vote at July Meeting

Last month the Club was noticed that there will be a vote at the July meeting. This vote is to ask SANDARC to allow our delegate to review SANDARC minutes and other records to better learn about SANDARC so we, PARC and PARC’s delegates, can better participate to benefit the amateur community.

At the July 2, 2014 General Meeting, after proper notice as directed by the Palomar Amateur Radio Club Bylaws, the following vote will be taken:

The Membership requests of SANDARC to allow a records review by Palomar’s Membership to include Minutes of SANDARC and other records to improve the knowledge and ability of Palomar’s Members.

There has been an ongoing request for over one year by Conrad to review these records to improve his ability to serve Palomar, assist other non-SANDARC Clubs, and the general amateur community. This request has been offered to be at a mutually convenient location and time. (There is the possibility of meeting for a snack or meal.)

The most recent decision by SANDARC is that the Club must make this request, that the delegates can not make this request. Apparently the power and authority given by the Palomar Membership to their Delegates to act in Palomar’s best interests is not recognized for this effort to learn more about SANDARC.

Dennis

NOTICE OF PERMIT APPLICATION

REQUEST FOR: A SITE DEVELOPMENT PLAN (SDP)
FOR A 29,983 SQ FT. DEPARTMENT OF MOTOR VEHICLES FIELD OFFICE.

CASE NUMBER: P14-0005

APPLICANT: Rancheros Commercial Park

FOR FURTHER INFORMATION REGARDING THIS APPLICATION, CALL (760) 744-1050, EXTENSION 3204

DATE POSTED: JANUARY 31, 2014

Got Site?

We’ve known for a while that our time at the San Marcos site would come to an end. This (mostly) level, high-visibility site will finally be developed this coming year.

That means it’s time for a new chapter in PARC’s Field Day adventures. Where should the club have our next Field Day?

Send your ideas to board@palomararc.org

We need volunteers to make it happen for 2015! Sign up now and be a part of it all.

NEQO-7QP-INQP-ARI Contest Report

We attained 2nd place overall for MS HP Category in 7QP which is very difficult contest for us as we skip over many of the W7 states !!

First Place went to K2SSS in Rochester NY who apparently can hear more W7 states than we can. It appears he was Single Op who turned on his Packet Cluster putting him in MS Category and he also ONLY WORKED CW which is worth more points than SSB. Hard to beat guys who have the propagation advantage and wish 7QP sponsor would create SO Assisted instead of lumping these guys in to MS Category !
73, Dennis N6KI

Non-7 Multi-Single High							Operators,...
Call	Score	Mlt	CW QSO	PH QSO	DIG QSO	QTH	
----	-----	---	---	---	---	---	-----
K2SSS	156195	117	445	0	0	NY	N6KI, WA2OOB, N6ERD, WQ6X, KB7V, NN6X, N6EEG, W2PWS, NW6O
NX6T	112125	115	203	183	0	CA	
K2DSW	61830	90	229	0	0	IA	
K6MMM	54648	92	116	117	4	CA	KE1B
SP9LJD	52915	95	105	121	0	DX	
W6SX	42966	77	186	0	0	CA	
N2BJ	39750	75	164	19	0	IL	+AH6RE
AA3B	38709	69	187	0	0	PA	
KH6LC	35120	80	109	56	0	HI	
DL6KVA	24282	71	114	0	0	DX	K1MK, NJ1F, W1TO @K1TTT
NE1QP	24003	63	103	36	0	MA	
N8BJQ	21717	57	122	0	5	OH	
K2MK	18411	57	99	13	0	NJ	+K9FNJu
W5ASP	17160	65	88	0	0	TX	
N3QE	13524	49	86	6	2	MD	
I1EIS	13038	53	82	0	0	DX	WA2AOG
N4GG	12852	42	102	0	0	GA	
G0ORH	12000	50	80	0	0	DX	
N4VV	10320	43	80	0	0	TN	
N9FN	10080	36	56	56	0	IN	
K9EN	7068	38	60	3	0	WI	
SM6BZV	6042	38	45	12	0	DX	
N4DW	5814	34	57	0	0	TN	
VE7IO	5040	28	60	0	0	BC	
AB1QP	4692	34	40	9	0	CT	
K2SX	4224	32	44	0	0	SC	
VE2FK	3654	29	42	0	0	QC	
K3IU	1782	22	27	0	0	RI	
AA4GT	1311	19	23	0	0	FL	
N3NZ	1140	19	20	0	0	PA	
JR1BTG	495	11	15	0	0	DX	
W9UUU	32	4	0	4	0	IN	
KD6WKY	9	1	1	3	0	CA	
W2RR	3	1	1	0	0	NY	

June Puzzle Solution

L	Z	U	F	K	T	S	D	H	E	E	F	U	N	N
C	R	T	L	O	T	D	Q	A	J	E	Q	C	F	D
G	C	U	J	N	O	S	K	T	Y	M	I	A	R	G
A	J	A	I	H	V	D	H	C	Y	L	U	L	I	P
N	E	O	M	W	F	G	E	W	B	A	P	V	E	R
T	P	O	D	P	I	C	H	U	F	E	V	R	N	E
E	M	J	U	N	I	A	P	C	S	N	A	T	D	P
N	D	L	R	V	N	N	M	N	O	M	S	L	S	A
N	I	E	R	R	S	H	G	A	O	E	E	Z	R	R
A	V	E	I	R	A	R	U	L	T	I	E	G	I	E
O	S	E	J	A	I	D	A	N	F	E	D	O	W	D
A	Z	O	Q	D	C	P	O	L	W	C	U	X	V	N
T	Q	Z	I	I	J	C	X	O	T	L	E	R	D	E
G	B	Z	G	O	X	V	E	F	K	U	D	W	B	S
E	M	E	R	G	E	N	C	Y	Y	B	E	E	O	S

BBHN Mesh Testing in Northern San Diego County

Andre K6AH previously presented on BroadBand-HamNet, a self configuring, easy to use network high speed network for Amateur Radio.

<http://www.broadband-hamnet.org>

My own implementation of this solution was put on the side burner while development of Ubiquiti hardware was developed. Earlier this year that goal was finally reached.

With the available of new, affordable, commercially-available off the shelf hardware that can be mounted outdoors exposed the elements I am happy to say testing has begun in various areas across the County.

On Wednesday June 25th 2014 KG6JEI-Oceanside-NW was mounted in the North West corner of the Oceanside Valley. This node is being tested in the Oceanside area to see the coverage that can be provided with simple setups. Links in the 5-mile range are being obtained easily (with an unobstructed path) from this multi-access hub point.

Access is not limited to just the Oceanside Valley, we are already seeing testing into Fallbrook and are able to establish links.

Testing and demonstration was also done



VIEW FROM NEW NODE LOOKING OUT ON THE CITY



NODE MOUNTED TEMPORARILY AT CONRAD’S KG6JEI’S HOUSE (3.6 MILES AWAY)



NODE INSTALLED TO PROVIDE ACCESS TO OCEANSIDE AREA HAMS MOUNTED AGAINST BUILDING

at Field Day where two mesh nodes (2x NanoStation M2’s) were used pointed towards each other to provide a highspeed digital link from the field day site.

Look forward to an additional presentation at the PARC meeting in the future and I look forward to hearing from my fellow hams in the county as the networks expand.



2 NODES INSTALLED AT DENNIS KD6TUJ’S HOUSE (5 MILES AWAY) WITH 6M VERTICAL ABOVE

Minutes Palomar Amateur Radio Club Board of Directors Meeting

MAY 14, 2014

President Dennis Baca KD6TUJ called the meeting to order at 19:17 pm at the home of Al Donlevy, W6GNI. In attendance were:

- President: Dennis Baca, KD6TUJ
Vice President: Joe Petersen, K6JPE
Secretary: Jim Cooper, NE6O
Director #1: Greg Gibbs, KI6RXX
Director #2: John Rotondi, WA2OOB
Repeater: Conrad Lara, KG6JEI
Membership: Al Donlevy, W6GNI
Repeater Site: Don Johnson, WD6FWE

TREASURER
• Conrad moved to accept the treasurer’s report. Joe seconded. Motion passes

SECRETARY
• K6JPE, Joe moved to accept the April 2014 minutes. Seconded by W6GNI, Al. The motion passes unanimously and the April 2014 minutes are accepted.
• KD6TUJ, Dennis submitted the missing November 2013 minutes and sent them to the board on April 9, 2014
• Conrad, KG6JEI moves to accept November 2013 minutes submitted by Dennis, KD6TUJ. The motion is seconded by Joe, K6JPE. The motion passes unanimously and the submitted November 2013 minutes are accepted.

NEXT MEETING
• Greg, KI6RXX will present a program on the upcoming Field Day at the June meeting. This will be the last Field Day at the location near the sheriff’s station.
• We still need programs for July, August, September.

MEMBERSHIP
• Al, W6GNI, reports that membership is at 263, down 9 from last month.
• There was a discussion of the need to remind repeater users that the repeaters are supported by membership dues.

SITE REPORT
• Don, WD6FWE took pictures at the repeater site this morning. One of control

receiver antennas appears to be touching one of our 2 meter antennas.

- Don, WD6FWE measured the battery voltages at the repeater site. The voltages he measured are OK, but it will be good to equalize cells better.
- Don, WD6FWE suggests that we add monitoring of all voltages and currents.
- There is a tentative plan to go up next Wednesday May 21, 2014 for a work party.

FIELD DAY

- Dennis, KD6TUJ has obtained insurance for out Field Day operation.
- Field Day planning going well. There are shelters for all stations. Still looking for power, but it should not be an issue. We need more flags. Make sure that the US flag is the highest on each structure. There is need for a work party to repair 20 meter antenna.

NEW BUSINESS

- On May 17, 2014 there will be a T-Hunt by the Joe and Joe Group.
- Dennis, KD6TUJ states there has been an offer by Greg Gibbs, KI6RXX to take over the vacant Director #1 position. President Dennis, KD6TUJ appoints him. The board approves unanimously.
- Dennis, KD6TUJ suggests that the picnic be held August 24 at the San Dieguito County Park. There is a need to check for reservations for Area 4.
- Joe, K6JPE moves to reserve San Dieguito County Park Area 4 for August 24, 2014, not to exceed \$150. Don, WD6FWE seconds the motion. The motion passes unanimously.
- Conrad, KG6JEI says that Salvation Army wants a MOU (Memo of Understanding) for use of 147.075 club repeater on Thursdays 8 to 8:30 PM.
- Conrad, KG6JEI reports that hiker's net dissolved for winter
- Conrad, KG6JEI reports that the Red Cross is not holding their net on the Palomar repeaters. Dennis, KD6TUJ says that he has had no response from the Red Cross. They have moved their net to another repeater, but want to keep their the net slot reserved. This is laid on the table until the next board meeting.
- Dennis, KD6TUJ asks for club representation at the Santee Street Fair on May 31 to June.
- Conrad, KG6JEI reports that no one has heard WinLINK for over 6 months. We don't have a contact.
- Conrad, KG6JEI gave a SANDARC meeting update.
- Moved by Conrad, KG6JEI to approve the May general meeting notes. The motion is

seconded by Joe, K6JPE. The motion passes unanimously.

- John, WA2OOB is learning Art's, KC6UQH information about the various club equipment. Art wants a cutoff switch so that batteries never go below a safe level.

Next month's board meeting will be the second Wednesday, June 11 , 2014 at the house of Al Donlevy, W6GNI and will start at 7pm.

Unanimous motion to adjourn at 9:12 pm.

Respectfully submitted
Jim Cooper, NE6O
Secretary, Palomar Amateur Radio Club



Field Day
Photos
from John
WA2OOB

SCOPE
P.O. Box 73
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PERIODICALS

Return service requested

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Editor: Michelle Thompson W5NYV

Submissions: scope@palomararc.org

Questions? Ideas? Comments? W6NWG@amsat.org

Featured Program:

At 7:30pm on 2 July 2014, Palomar Amateur Radio Club will present a program about Hidden Transmitter
Hunting, given by Joe N6SZO and Joe KE6PHB.

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>