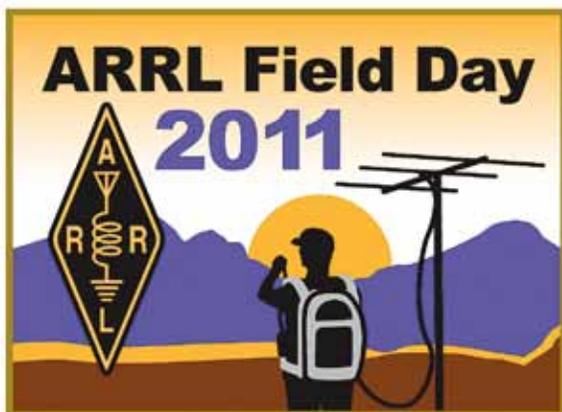


# SCOPE

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



[www.arrl.org](http://www.arrl.org)

The Palomar Amateur Radio Club transformed a vacant lot in San Marcos from a dusty abandoned field into a bustling communications village on Friday. About 20 club members and several visitors worked to build 6 HF Field Day stations, arrayed around the edges of the field. The stations were placed as far apart as possible in order to reduce the potential for interference. The center of the field was populated with the Get On The Air station and several shade structures for gathering, planning, and collaborating. Towers and antennas were raised by sundown.

DATE (ZULU/UTC)	START Time (Z)	STATION CALLED	HIS SIG RST	FREQ (MHz)	Mode (CW, SSB, Morse, Packet)	Indicated Power (W)	EMISSION TYPE	Remarks
OPERATING								OPERATING AS W6NWG
1-May-11	0610	VK3UFO	42	146.7000	H	5	FM	JIM vk3ufo@get.net
1-May-11	0630	VK3FZAG		146.7000	H	5	FM	JASON
1-May-11	0735	VK3TXD		146.7000	H	5	FM	RICHARD
1-May-11	0749	VK3FBAC		146.7000	H	5	FM	Miki
1-May-11	0800	VK3DLR		146.7000	H	5	FM	David
1-May-11	0810	VK3FCSI		146.7000	H	5	FM	CHARLIE SAVAGE
1-May-11	0820	VK3XYX		146.7000	H	5	FM	Gary
1-May-11	1015	VK3FEZZ	FQ	147.0750	H	5	FM	JOHN
1-May-11	1100	VK3EI	FQ	147.0750	H	5	FM	LINO
2-May-11	1930	VK3PJH	FQ	147.0750	H	5	FM	PAUL
2-May-11	1935	VK3VZP	FQ	147.0750	H	5	FM	RUSSEL
2-May-11	2039	VK3VCS	FQ	147.0750	H	5	FM	DAVID
3-May-11	0859	VK3BMK	Q	147.0750	H	5	FM	TERRY CHURCHER
4-May-11	0845	VK3UFO	Q	147.0750	H	5	FM	JIM vk3ufo@get.net
4-May-11	1100	VK3FCSI	FQ	147.0750	H	5	FM	CHARLIE SAVAGE
4-May-11	1914	VK3VHF	FQ	147.0750	H	5	FM	JOHN
4-May-11	1925	VK3PJH	FQ	147.0750	H	5	FM	PAUL INTERESTED IN MOSELY ANTENNA
4-May-11	1925	VK3JHO	FQ	147.0750	H	5	FM	John Stokes
5-May-11	0628	VK3PJH	FQ	147.0750	H	5	FM	PAUL ALSO DOES 40
5-May-11	0716	VK3JAN	FQ	147.0750	H	5	FM	TONY MEET ME AT AIRPORT
5-May-11	0733	VK3AHJ	FQ	147.0750	H	5	FM	RJ
5-May-11	1013	VK3VMS	FQ	147.0750	H	5	FM	MICHAEL
5-May-11	1000	VK3UFO	FQ	147.0750	H	5	FM	JIM
5-May-11	1200	VK3TXD	FQ	147.0750	H	5	FM	RICHARD / AVACADOS

"Above is a screen capture photo of the folks I contacted while in Melbourne. It was truly one of the most fun things I have done in many, many years!"

Read Doug W6PUG (then W6PUG/VK3)'s article starting on page 5.

## Save the Date

**Club Meeting**  
**6 July 2011**

Hear about the ARISS Contact at Adobe Bluffs Middle School from Jim McLaughlin KI6ZUM.

**Board Meeting**  
**13 July 2011**

Palomar Amateur Radio Club board meeting at 7:00pm at K2RP QTH.

**Del Mar Fair**  
**now until 4th of July**

Visit the Amateur Radio booth at the Del Mar Fair. It's in the infield.

## Club Membership for July Edition

New Members Joining PARC: N6CJR, W3DSO, N6RTI, NE6T, AND Chris May (No Call Yet).

And thirteen "old" members reinstated their membership. Here is the list of members receiving the SCOPE on the web, that "expired" in the last month or so. Please check this list, and get your renewal checks in the mail! Pretty PLEASE!!!

W6ALF, W3LFR, KI6GSG, KJ6RET, N6FF, KI6KJG, KF6UVF, KI6MMT, KB7XI, W6UDO, and N7MM.

AI  
W6GNI

April SCOPE Fold & Staple Crew  
W6GNI AI & Kathy, KB6NMK Jo, KI6LLC Roni, WD6FWE Don, KB6YHZ Art & Janet (Great Turnout!!)

## PALOMAR ENGINEERS

Box 462222, Escondido, CA 92046

### TOROID CORES

Palomar stocks a wide variety of cores and beads. Our RFI Tip Sheet is free on request.

Our RFI kit keeps RF out of your telephones, TVs, stereo, etc. **Model RFI-4 \$35 +tax+\$8 to ship.**

### BALUN KITS

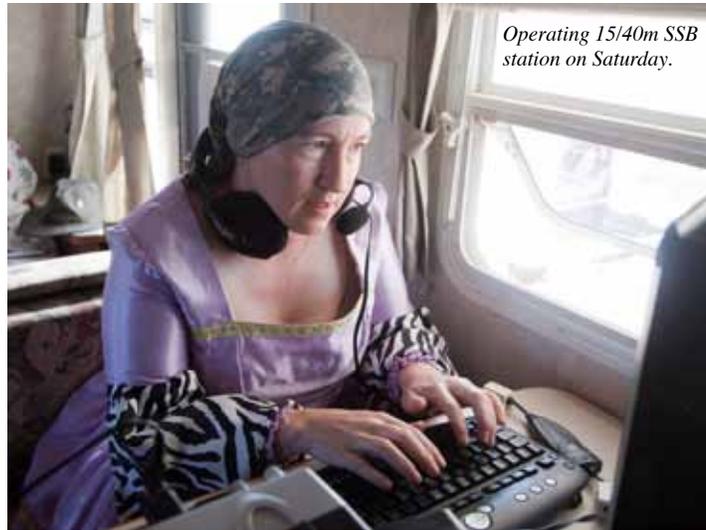
Ferrites slip over coax. Shrink tubing holds them in place. Works from 3.5-60 MHz (Use two kits for 160m).

**Model BA-58** (for RG58, RG8X & similar cables up to 1/4" dia.) \$8.50+tax+\$8 S&H/order

**Model BA-8** (for RG-8, RG-213, 9913 and similar cables up to 1/2" dia.) \$16.50+tax+\$8 S&H/order.

See catalog at [www.Palomar-Engineers.com](http://www.Palomar-Engineers.com)

Please check our complete ads in **QST**, **CQ**, and **WorldRadio** magazines.



*Operating 15/40m SSB station on Saturday.*

Field Day is fun! This year the Radio Fairy (W5NYV) visited. Also, very official offices for KI6RXX and KG6JEI were set up and marked with very official placards.



Above, the traditional office location for the Field Day chair (the porta potty). Left, a new tradition - the repeater technical office!



*"Doesn't everyone wear a pink tutu to Field Day?"*

# Advertisements are free for members

Have items that need to find a new home? Advertise here! Send your ads to [scope@palomararc.org](mailto:scope@palomararc.org)

## For Sale

SX101 Receiver \$ 175.00  
NC109 Receiver \$ 125.00  
NC303 Receiver \$ 300.00  
NC183D Receiver \$ 300.00

All receivers re-capped, clean and working.

GATES BC1-G Broadcast Transmitter setup on 160M, 250 & 1000 Watt selective power levels \$ 1800.00

Bob, K3QEP

## For Sale

FOR SALE: Henry 2K-4 with two extra Eimac tubes; good condition. Total for all \$650.00.

Sonny, WA5ACE 760-724-0049

## For Sale

Collins 136B-2 Noise Blanker for KWM-1,KWM-2,KWM-2A, with Manual. Never Used.  
Price \$200.00  
Contact: Pete,K6JQE,(858) 755-4838

## For Free

Fifty foot galvanized steel tower. Triangular, 28 inches wide at base.  
Recipient must remove and must have liability insurance.  
May be seen at 1175 La Moree Road, San Marcos, in the RV Parking Lot.  
Call Fred Brown, W6HPH, 760-740-8501 or 760-742-1328, or [w6hph@yahoo.es](mailto:w6hph@yahoo.es)

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](mailto:scope@palomararc.org)

*See this excellent collection of Field Day photographs from Bob KC6VDX.*

*<http://www.qsl.net/kc6vdx/parcfd2011/parcfd2011.html>*

*Here is a video of the San Diego Contest Club Field Day effort.*

*[http://www.youtube.com/watch?v=5GMYumwe5WI&feature=youtube\\_gdata\\_player](http://www.youtube.com/watch?v=5GMYumwe5WI&feature=youtube_gdata_player)*

*Power combiner for three Acom2000A Amplifiers for 5400 Watt output!*

*<http://nj-bob.smugmug.com/Professional/FN2011/i-Skb7CDV/0/XL/DSC0024-XL.jpg>*

*N6KI*

*P.S - That's \$24K worth of amps + the Combiner etc*

# FD Score Summary Sheet - 40/20/15/10 CW

Start Date : 2011-06-22

CallSign Used : W6NWX

Operator(s) : K4RB K6BZZ K2RP

Operator Category : MULTI-MULTI

Band : ALL

Power : LOW

Mode : MIXED

Default Exchange : 4F SDG

Gridsquare : DM13IB

Name : Palomar ARC

ARRL Section : SDG

Software : N1MM Logger V10.9.6

Band	Mode	QSOs	Pts
7	CW	15	30
14	CW	154	308
21	CW	153	306
28	CW	51	102
Total	Both	373	746

Score : 1,492

Rig : FT 1000MP



The 40/20/15/10 CW station was housed in a large rectangular tent. A tower trailer supported a triband trap Yagi for 10/15/20m bands. A generator was provided for power. The rig was a Yaesu FT-1000MP and they used an AEA Morse Machine memory keyer.

Below right, Ron K2RP.

Below left, Bob K4RB.

K6BZZ also operated at the station.



# VHF in the Land of Oz

Doug Johnson W6PUG

Most people dream of being able to combine work and hobby, but seldom get an opportunity to do so. When the opportunity knocks, you need to be able to recognize it, and instead of just dreaming about it – DO IT! I had a fortunate opportunity in May, and want to share it with you so perhaps you might be able to do something similar sometime.

I have worked for an engineering and supply firm for eighteen years; sixteen of those I have also been a ham. The job requires that I travel internationally to all continents (except Antarctica :o) a couple of weeks every month, and I have been doing this particular job for so long that the travel rut gets rather deep.

I had to go to Australia in May to conduct a training and field service certification program for a week. I have been all over Australia several times over the years, and have found the people fun, engaging and very welcoming to Yanks. I got on the web and found a couple of radio clubs in the Melbourne (Victoria) area, found a listing of repeaters, and checked for permissions to operate there as a visitor, and it all looked good. I packed up my 5w 2m handheld, my small card copy of my license, and headed for the Land Down Under.

Arriving on Sunday morning, I realized that in spite of much-wanted sleep, I should stay awake during the day, so that I could start getting my days and nights synched up to their local time so I could survive the week (student candidates to not appreciate you falling asleep when teaching their classes, it seems!). The hotel in Glen Waverly (Melbourne area) was kind enough to put me up on the top floor of their 6 floor structure, so I dug out the 2m and put it in the charger, made a cup of coffee, and put out some calls to three of the local repeaters that I felt I had the highest probability of raising. Sunday afternoon is pretty quiet, but on the third call, I heard the lovely sound of a faintly-British Aussie voice hailing my "W6PUG/VK3 Listening" query! Jim, VK3UFO, had the sharp ears and picked up the Yank in VK3 identity, and quickly commenced a warm and welcoming conversation, and friendship. One of the interesting things about repeater operations is that there can be no pileup, but for the rest of the day – as long as I could keep my eyes open – one after another of the local operators piped up and ragchewed with the Yank in VK3land. Once they figured out that I was physically operating from within Melbourne area and not coming in through an internet link, they were eager, welcoming and engaging.

The 5w handheld was doing ok, but due to several factors, contact quality was not the best. Over the course of the afternoon, a plan was hatched. Richard VK3TXD, and Craig VK3NCR, volunteered to pick up a small (translate that to being able to pack it in baggage for travel) external antenna from a local ham store that I contacted and paid for over the phone, and then Jim, Richard and Craig all showed up at the hotel after class on Tuesday night and they took me to a fantastic local restaurant for my favorite: fish & chips. We talked about our backgrounds and our ham interests, and the night went by far too quickly.

Wednesday night after class, I got the magmount antenna set up, and hit the repeater again – MUCH improved, but still scratchy, but then Richard mentioned something about ground plane (kinda hard to do on 6th floor of a hotel), and an idea hit me. I went down to the kitchen of the hotel and beg/borrowed an aluminum pizza pan, and headed back up to the room. I took the plastic trash can and set it on the table by the window, placed the pizza pan on top, got a spot of water and put on center of the aluminum pan, and set the magmount antenna in the center of the pan, and BINGO! FULL QUIETING!!! I can say it was not the most elegant solution (I can almost feel the cringing of the antenna experts out there reading this), but it worked. For the rest of the week, I had the privilege of working fifteen different contact individuals, mobile and stationary, from about 5 to 6:30am every morning, and then from about 5:50 to 10 every night, and it quickly became a "routine" for the rest of the week for them to check up on me during my stay in Oz. The guys were great; had scores of great stories and experiences to share, and always took a little bit of time to talk to the Yank Displaced in Oz. From those QSO's have sprung friendships which have been maintained by email,

*continued on page 8*



**QSLsByK7ELH.com**

**Custom Printed QSL Cards**

**Printed in the USA**

**Affordable**

**High Quality**

**Professionally Printed**

**FULL COLOR QSLs**

250 - \$59.00

500 - \$79.00

1000 - \$95.00

[www.QSLsbyK7ELH.com](http://www.QSLsbyK7ELH.com)

See Samples Online

email: [k7elh@qslsbyk7elh.com](mailto:k7elh@qslsbyk7elh.com)

# Minutes

## Palomar Amateur Radio Club

Board of Directors Meeting

May 11, 2011

The meeting was called to order by President Dennis Baca KD6TUI at 7:28pm at the home of Paul Williamson KB5MU. In attendance were:

President Dennis Baca KD6TUI  
Vice President Ron Pollack K2RP  
Secretary Paul Williamson, KB5MU  
Director #1 Don Johnson, WD6FWE  
Director #2 Eric Hutchins K7ELH  
Membership Chairman Al Donlevy W6GNI  
SCOPE Editor Michelle Thompson W5NYV  
Field Day Chairman Greg Gibbs KI6RXX

### Secretary's Report

KB5MU distributed printed copies of the minutes of the April Board meeting, as sent by email just before the meeting. KD6TUI provided corrections to the repeater work party report: a power amplifier module was replaced on the 147.13 MHz repeater, and the replacement duplexer and additional filtering was installed on the 447 MHz repeater. Ron Pollack K2RP noted that Eric Hutchins' callsign was missing in the table. Motion by K2RP to approve the minutes as corrected. Seconded by Don Johnson WD6FWE. Motion passed unanimously. KB5MU distributed printed copies of the minutes of the April general membership meeting, also as sent by email just before the meeting. Motion by Al Donlevy W6GNI to approve the minutes as published. Seconded by Michelle Thompson W5NYV. Motion passed unanimously.

### Treasurer's Report

No Treasurer's report was available.

### Upcoming General Meeting

K2RP reported that the June meeting will be about Field Day, presented by KI6RXX.

### Field Day

KD6TUI reported that final approval to use Palisades Park for Field Day has not yet been received from the city of Oceanside, pending approvals from the various committees. The Rancho Del Oro site is probably too small for a 5A class Field Day station.

KI6RXX reported that Preston Butler W6ASP will be captain of the 10m station, and WD6FWE will be captain of the 6m (VHF) and GOTA (Get On The Air) stations. Art McBride KC6UQH will be captain of the satellite station and ATV demo. Charlie Ristorcelli NN3V will be captain of the 20/80m SSB station. The HandiHams will be invited to take charge of the 15/40m SSB station. K2RP believes that he can round up a good group of CW operators for one or even two CW stations. KB5MU and W5NYV will bring their trailer and provide a station if needed.

After a discussion it was agreed that all stations will log with N1MM software.

KI6RXX reported that Rick Roberts N1OW has agreed once again to bring his water trailer (and truck "Daisy") to fill up weight barrels and to provide food for Field Day. Motion by WD6FWE to approve up to \$250 for food.

Seconded by W5NYV. Motion passed unanimously. Motion by Paul Williamson KB5MU to approve up to \$250 for a portable toilet and sink for Field Day, with KD6TUJ to make the arrangements. Seconded by WD6FWE. Motion passed unanimously.

### **Repeater Technical Report**

KD6TUJ reported that Repeater Technical Chairman Conrad Lara KG6JEI will be purchasing power cutover relays soon. They will be controlled by the existing DTMF decoder to switch individual repeaters on and off. Latching relays and solid state switches will also be investigated. KG6JEI is making progress on repairing the 6m repeater. W5NYV reported no change on the 6m antenna project. A wire vertical could be rigged off the tower for temporary use.

48 volt DC power converters are in place on all the Club's voice repeaters, and on the 220 Club repeater. They are still needed on the packet equipment and on the Americas Unidos repeater.

Timothy Higgins requested the use of a repeater intermittently in support of the Scout Fair at Qualcomm Stadium the following weekend. Motion by Don Johnson WD6FWE to approve the request. Seconded by W5NYV. Motion passed unanimously.

### **Strawberry Festival**

KD6TUJ reported that a request for radio communication support for the Strawberry Festival was referred to Jim Egerton W6SST and Vista CERT.

### **Next Board Meeting Location**

It was agreed that the next Board meeting would be held at the home of W6GNI at 7pm on June 8, 2011.

### **Adjournment**

The meeting was adjourned at 9:00 pm.

Respectfully submitted,  
Paul Williamson KB5MU  
Secretary



A highlight of PARC Field Day 2011 was the presentation of a handsome Amateur Radio Resolution plaque to Councilmember Kern and Staff Member Ben Sullivan.

The presentation occurred at the PARC Field Day site at noon on Saturday.

The plaques were emblazoned with the PARC logo and expressed our thanks for the support and guidance given by Councilmember Kern to the ham radio operators of Oceanside.

*Land of Oz continued from page 5*

and now I am looking to extend that experience into HF contacts.

The final icing on the cake was when Tony, VK3AN, met me at the airport on the morning of my departure back toward home, for breakfast and the eyeball QSO. There are few words I know to describe the entire experience and the fantastic reception I received in Oz.

Although I realize QSL cards are not typically the norm for VHF operations, I felt that I must extend the courtesy in appreciation of the experience in Australia, so when I got home, I sent each contact a QSL card customized with W6PUG/VK3. A couple of weeks later, I started receiving emails from my Australian contacts, acknowledging receipt of my QSL cards.

Some of these guys are very experienced HF and VHF operators, but even at that, one mentioned that it was the first QSL card he had ever received, and many commented that it was their first card from the States.

Considering how the tradition of QSL cards has seemed to diminish over the years, this was a very rewarding comment to receive, since QSL cards are an important part of the tradition of the amateur radio service. It was well worth the seventy five cents to mail a card, for sure!

So there you have it: the marriage of work, hobby and opportunity yielding new friends and camaraderie which will no doubt last for years. This, to me, is part of the amateur radio experience.

Since I go to Australia fairly often, I have modified my "road kit" to be a small mesh screen (cookie cooling screen now dubbed "groundplane") mounted to a small collapsible photography tripod with my magmount, and my handheld, all of which can be folded up into the bottom of my luggage and ready for quick assembly – and get back on the repeater to the best of friends, old and new, in the Land Down Under.



At right: This is what morphed into - ready for

Tried it out last night with Sent pix to the guys in C

73  
Doug W6PUG

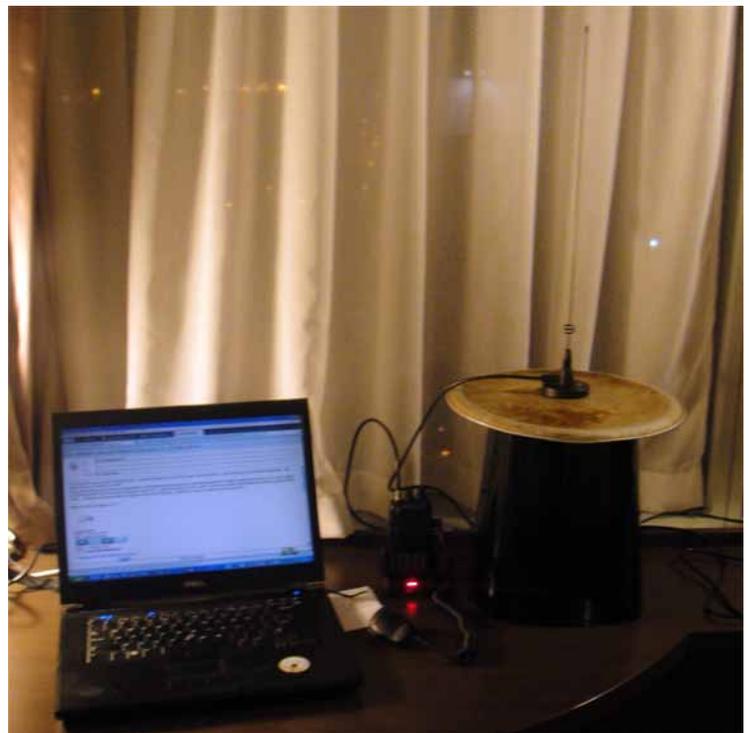
DATE (ZULU/UTC)	START Time (Z)	STATION CALLED	CHK IF NET	HIS SIG RST	MY SIG RST	FREQ (MHz)	Loop, Vert, Jpole, Beam, Mobile, Handh eld	F
2-May-11	1930	VK3PJH		FQ		147.0750	H	
2-May-11	1935	VK3VZP		FQ		147.0750	H	
2-May-11	2039	VK3VCS		FQ		147.0750	H	
3-May-11	0859	VK3BMX		Q		147.0750	H	
4-May-11	0845	VK3UFO		Q		147.0750	H	
4-May-11	1100	VK3FCSI		FQ		147.0750	H	
4-May-11	1914	VK3VHF		FQ		147.0750	H	
4-May-11	1925	VK3PJH		FQ		147.0750	H	
4-May-11	1925	VK3HO		FQ		147.0750	H	
5-May-11	0628	VK3PJH		FQ		147.0750	H	
5-May-11	0716	VK3AN		FQ		147.0750	H	
5-May-11	0733	VK3AHJ		FQ		147.0750	H	
5-May-11	1013	VK3VMS		FQ		147.0750	H	
5-May-11	1000	VK3UFO		FQ		147.0750	H	
5-May-11	1200	VK3TXD		FQ		147.0750	H	



the pizza-pie-pan/trashcan antenna has  
for the next trip!

with 5w handheld - full quieting!  
Dz and received approval from Down Under.

Indicated Power (W)	EMISSION TYPE	Ending time	Remarks
5	FM		PAUL
5	FM		RUSSEL
5	FM		DAVID
5	FM		TERRY CHURCHER
5	FM		JIM vk3ufo@qsl.net
5	FM		CHARLIE SAVAGE
5	FM		JOHN
5	FM		PAUL INTERESTED IN MOSELY ANTENNA
5	FM		John Stokes
5	FM		PAUL ALSO DOES 40
5	FM		TONY MEET ME AT AIRPORT
5	FM		RJ
5	FM		MICHAEL
5	FM		JIM
5	FM		RICHARD / AVACADOS



FD Score Summary Sheet - 15/40 SSB

Start Date : 2011-06-22

CallSign Used : W6NWX  
 Operator(s) : KB5MU, W5NYV, KI6IET, KA9Q, others

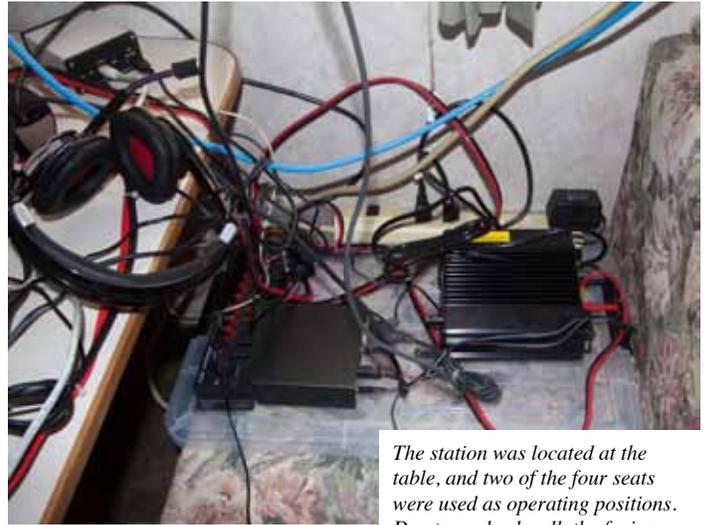
Operator Category : MULTI-MULTI  
 Band : ALL  
 Power : LOW  
 Mode : MIXED  
 Default Exchange : 4F SDG  
 Gridsquare : DM13IB

Name : Palomar ARC

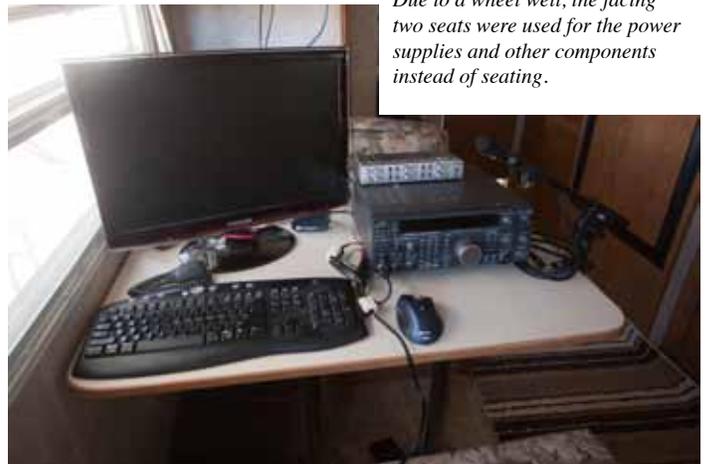
ARRL Section : SDG  
 Software : N1MM Logger V10.9.6

Band	Mode	QSOs	Pts
7	LSB	163	163
21	USB	220	220
Total	Both	383	383

Score : 766  
 Rig : Kenwood TS-850S



The station was located at the table, and two of the four seats were used as operating positions. Due to a wheel well, the facing two seats were used for the power supplies and other components instead of seating.



Copper Home flies the Happy Face Roger, a variation on the Jolly Roger.



# HAM RADIO OUTLET

Jose XE2SJB  
 Jerry N5MCJ  
 Joe N6SIX

H  
R  
O

**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 *Ask about our great prices*  
 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!**



*15m yagi awaits installation on the tower.*

*The 15/40 SSB station was housed in Copper Home, a trailer belonging to KB5MU and W5NYV. The permanently installed HF radio was not used for Field Day, and due to the cabling required for the rotor, the panel with coax connectors wasn't used either.*

*Fortunately, all the HF cables went through the kitchen window. The wheel-anchored VHF antenna and permanently mounted VHF radio was used to monitor the 2m logistics channel.*



*KB5MU operating VHF in relaxed style.*

## 15/40 SSB Report

by KB5MU

We had distorted transmit audio, which was traced down to the USB sound card interface that was hooked up for voice keyer operation (but never used for that). The distorted transmit audio was evident in the Monitor audio from the rig, but I didn't believe it was real until we got a report on the air.

The on-air report said we sounded like we had an undervoltage problem, but a check of the voltage from the power supply showed rock steady.

When we switched from 15m (and the beam) to 40m (and the much closer inverted vee), each transmission would switch the video monitor off or back on. The workaround for this was to remove the external monitor and use the laptop's screen instead.

The multiple output headphone amplifier experienced some RF ingress, audible as low level distorted audio when transmitting.

The stackup of adapters in the PTT line (rigged up when we switched to voice operation at the last minute) was a little flaky. Oddly, it would somehow fail shorted, which would key the rig.

The headphone amp had insufficient gain to operate from the fixed-level output on the radio's rear panel, as I had intended, so we had to use the front-panel headphone jack.

The headphones we used were so well sealed that conversation between the operator and the logger was difficult. This was doubly a problem when Phil was operating, because he unknowingly turned on the noise suppression feature in the Heil ProSet!

**RF PARTS**  
COMPANY  
From Milliwatts to Kilowatts™

Complete inventory for servicing amateur and commercial communications equipment

POWER TRANSISTORS — TUBES — POWER MODULES

Diodes • Relays • Trimmers • Capacitors • Heatsinks  
Transformers • Chokes • Combiners • Wattmeters • Books

3-500ZG • 811a • 572B • 4-400a • 6146B • 8072 • 8560AS  
3CX400A7 • 3CX1200A7/D7/Z7 • 3CX1500A7 • 3CX3000A7  
4CX250B • 4CX250R • 4CX400A • 4CX800A • 4CX1500B

W6NQC • Gary K6CAQ • Steve K6NDG • Rob WA6GYG • Doug K6DRA

**760-744-0700**

www.rfparts.com • orders@rfparts.com

ESTABLISHED 1967

*continued on page 12*

FD Score Summary Sheet - 10 SSB

Start Date : 2011-06-22

CallSign Used : W6NWG  
Operator(s) : W6ASP

Operator Category : MULTI-OP  
Band : ALL  
Power : LOW  
Mode : MIXED  
Default Exchange : 4F SDG  
Gridsquare : DM13IB

Name : Palomar ARC

ARRL Section : SDG  
Software : N1MM Logger V11.6.3

Band	Mode	QSOs	Pts
28	USB	151	151
Total	Both	151	151

Score: 151



*Field Day at 15/40 SSB Station continued from page 9*

The second generator ran low on oil and started switching AC power on and off until you diagnosed it and added oil.

The first generator was inadequate to run both the sign lighting and the station, so we swapped with another station for a larger generator.

A crossbrace on the tower was bent and had to be hammered back into place so the tower could be raised to its full height.

The SWR on the 15m beam was suspiciously high (about 2:1 at its dip).

There was severe noise when we pointed the beam East.





**NiCd Lady Company**

**Grace Lloyd**  
N6WPA  
[grace@nicdlady.com](mailto:grace@nicdlady.com)

[www.nicdlady.com](http://www.nicdlady.com)

**Custom Assembly • Rebuilds • Batteries**  
**• Lead Acids • Replacement Packs**  
20585 Camino Del Sol • Unit B  
Riverside, CA 92508  
800/906-6423  
951/653-8868  
Fax 951/653-5189

**Your Complete Battery Source**

*Preston W6ASP operated 10m SSB on Field Day. The 4-element yagi performed well. Site setup required a few minor "adjustments" with a hammer. Site teardown necessitated some shake, rattle, and roll when the sections of the tower didn't lower in the expected order. Preston had air conditioning in his trailer! This made it very comfortable inside.*



**IMPULSE Electronics**  
(760) 747-5277 – (866) 747-5277  
[www.impulseelectronics.com](http://www.impulseelectronics.com)

**Your Connection for  
Emergency Power Solutions**

**Power Products**  
Power Pole Connectors – Power Cables – Tools  
AGM Batteries – Red/Black Zip Cord 14 – 8 GA

**West Mountain Products**  
RIGrunner – RIGblaster – Accessories  
PWRgates – Computerized Battery Analyzer  
**Coax Cable – Coax Assemblies – Adapters**  
**Terminals – Coax Connectors – Battery**  
**Chargers – Battery Accessories**  
Email [sales@impulseelectronics.com](mailto:sales@impulseelectronics.com)

# Satellite Results for PARC Field Day

WB6NWG 4F SOG

DATE	Time	Call	Exchange	Satellite	Mode
6/25	23:01	W6TV	1D/MT	FO-29	SSB
}	23:04	NGR	11A/SB	FO-29	SSB
	23:07	K500	1D/STK	FO-29	SSB
6/26	00:05	K6AA	4A/LAX	AO-51	FM
}	03:27	K5CM	3A/DK	VO-52	SSB
	03:38	K0GIRE	1D/SCV	VO-52	SSB
}	17:05	W6YX	1E/SCV	VO-52	SSB
	17:06	W7TY	1D/ORN	VO-52	SSB
}	17:09	K6mm	4A/SCV	VO-52	SSB

SATellite STATION -  
Operator: KC6UQH



Art KC6UQH, pictured to the left, operated the satellite station, pictured below right.



WE AMATEURS OF OCEANSIDE WOULD LIKE TO THANK THE COUNCIL FOR APPROVING ARTICLE 39A AMATEUR RADIO ANTENNA AND SUPPORT STANDARDS. THROUGH THE INTERACTION OF CITY STAFF, LED BY COUNCILMAN KERN, AND MEMBERS OF THE AMATEUR COMMUNITY AN ORDINANCE WAS CRAFTED TO BENEFIT BOTH THE CITY AND AMATEUR COMMUNITY. AS A RESULT, WE MEMBERS OF THE AMATEUR COMMUNITY WILL BE ABLE TO CONTINUE TO PROVIDE COMMUNICATION SERVICES IN TIMES OF NEED. AS A RESULT OF ARTICLE 39A, AMATEURS CAN OPERATE WITH A MINIMUM OF ADMINISTRATION TO EFFECT THE SAFETY NEEDS OF OUR COMMUNITY AND OPERATE TO REFINE OUR SKILLS FOR THOSE TIMES NEEDED TO SUPPORT THE PUBLIC IN ADVERSE SITUATIONS. AGAIN, THANK YOU TO THE COUNCIL AND STAFF.

SCOPE  
P.O. Box 73  
Vista, CA 92085-0073

PERIODICALS  
POSTAGE PAID  
AT VISTA CA  
92085-9998

Return service requested



Scope (USPS #076530) is published monthly by the Palomar Amateur Radio Club 1651 Mesa Verde Drive, Vista, CA 92084. POSTMASTER: Send address changes to SCOPE, P.O. Box 73, Vista, CA 92085. Periodicals postage paid at Vista, CA 92084. Dues are \$20 per year or \$35 per year for a family. Dues include a subscription to Scope.

Editor: Michelle Thompson W5NYV

Submissions: [scope@palomararc.org](mailto:scope@palomararc.org)

Questions? Ideas? Comments? [W6NWG@amsat.org](mailto:W6NWG@amsat.org)

### Featured Program:

At 7:30pm on the 6th of July 2011, Palomar Amateur Radio Club will have a program about the ARISS Contact at Adobe Bluffs Middle School from Jim McLaughlin KI6ZUM.

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