

SCOPE

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



Section Manager Results

San Diego Section Manager Steve Early, AD6VI, of La Mesa, will continue as Section Manager in the ARRL's San Diego Section. Early received 363 votes; challenger Patrick Bunsold, WA6MHZ, of El Cajon, received 234 votes. Early has served as Section Manager since 2008.

DXCC Tip from KY6LA

Here is an almost up-to-date (Does not have Z0 replacing ST0 yet) DXCC Map.

The link is to a Free .PDF that you could either print out on normal paper or take to Kinko's to have them print you a wall sized one..

<http://hamradiomap.qth.com>

March Program

VP8ORK: South Orkney DXpedition 2011
 Located just below 60 degrees south, the South Orkney Islands is one of only four DXCC entities within the UN Antarctic Treaty Zone. Both Britain and Argentina have scientific bases on the islands, but neither nation holds a recognized sovereign claim. But even without national bureaucracy, staging a major DXpedition to a stateless, international piece of land is still challenging and expensive. Icebergs, rugged cliffs, and strict environmental regulations are just a few of the reasons why these islands are so difficult to activate. Against the backdrop of stunning Antarctic scenery find out what took for the MicroLite Penguins to bring another one of the DX world's most unique, and most wanted, on the air. Filmed and produced by James Brooks, 9V1YC. Presented for the enjoyment of PARC members by Harry Hodges, W6YOO

Save the Date

Club Meeting
7 March 2012

Tales of the South Orkney DXpedition, hosted by Harry Hodges W6YOO

Board Meeting
14 March 2012

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

Save the Date
18 March 2012

Operating Day at... Fry's Electronics in San Marcos! Come "Shop and Op" with us.

Club Membership for March Edition

New Members Joining PARC: KF4LL, KJ6TKK, AE6O, KS1SPR. In addition, we had 3 returning members, reinstating their membership. WAY TO GO!! Please be sure to welcome the new and old returning members.

Above, is GOOD NEWS!! So how is it that I have to tell the board that in spite of all the new, and returning old members, we still lost membership last month? Well, we did!!

Check your label for your renewal date. If your mailed SCOPE didn't arrive, and you are reading this on the web site, as a fall back, maybe your membership ran out?? We do great on attracting "New Members", but not so great on the renewals! The club really needs all its members!! And, now, you can check your renewal date on the web!

AI
W6GNI

February Issue Fold & Staple Crew
WA5ACE Sonny KB6NMK Jo
W6GNI AI & Kathy
KB6YHZ Art

The WOUXUN 2m/440 handheld radio will be given out at the March meeting. The radio has been programmed with simplex and 42 2m repeaters, and 10 440 repeaters in San Diego County. All channels are alpha tagged for easier identification. Come join us and see who will take this radio home.

WANTED! CHAIRMAN FOR PALOMAR's Field Day.

Site will be in San Marcos at Santar and Rancheros unless you find a better site! Dates are June 22, 23, and 24, 2012

Help provided by Board members and past Field Day chairs. Chance to learn about placement of transmitters and antennas in limited spaces. See or contact any Board member.

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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!

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

For Sale

AMERITRON ALS-600 SOLID STATE NO TUNE FET AMPLIFIER WITH AMERITRON 50 VOLT SWITCHING POWER SUPPLY. NEW, NEVER BEEN OUT OF THE BOX \$900.00 FIRM.

ED GENEST
w6abe@arrl.net

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

Hi Michelle.

Found attached surprise in the home snail mail when I returned today from the Yuma Hamfest.

Yuma was a lot of fun.

This year Yuma hosted the ARRL Southwest convention, as well as the Arizona ARRL convention. The turnout was huge, and the vendors and tailgate area were packed.

The amateur radio forums were excellent. LOTW, Propagation, DSTAR, and SDR radio presentations were excellent, and also well attended.

The Propagation presentation was probably the best I have ever seen.

The ARRL announced at the Hamfest that next year's ARRL Southwest convention will again be held at Yuma . The Arizona ARRL State convention will also be held there simultaneously, again.

If the turnouts are the same, it will be an excellent repeat. Well worth putting on the calendar.

73 de NN3V
Charlie



Gayle, K6GO/ZF2GO (L) and Anna, W6NN/ZF2LL joined Joe, W6VNR/ZF2AH to put the Cayman Amateur Radio Society (CARS) HQ station, ZF1A, on the air for IARU. They used the club shack and excellent antenna farm on ZF1EJ's property to give out the CARS HQ multiplier in Zone 11. Outside the contest Gayle, Joe and Anna spent time relaxing on Seven Mile Beach on the west side of the island.

[Anna Sombor, W6NN]

QST - Devoted Entirely to A

Look who got their photo in QST!
We did not win but we had a blast.
Anyone want to do ZF1 in the future???
Check out next month's QST in advance.....
<http://www.arrl.org/contest-results-articles>

Lunch Bunch 10 February 2012

My Friends -

We were joined by 25 hams at Callahan's today to recognize Rod Dinkins/AC6V and Harvey Hiller/K6QK. No doubt this was a great tribute to two hams who shared our passion for amateur radio and inspired many many others. During our lunch, I heard several stories of fun times recounted with Harv and Rod. We will always remember these great guys who gave us so much.

Thanks to everyone for coming today,
73 de Tom - W0NI
www.W0NI.com



Contest: ARRL International DX Contest
 Callsign: NX6T
 Mode: CW
 Category: Multi Operator - Single Transmitter (MS)
 Overlay: ---
 Band(s): All bands (AB)
 Class: High Power (HP)
 Zone/State/...: CA
 Locator: DM14LL
 Operating time: 39h19

BAND	QSO	DXC	DUP	POINTS	AVG
160	34	17	0	102	3.00
80	105	38	1	312	2.97
40	586	93	1	1755	2.99
20	531	91	1	1593	3.00
15	332	84	4	996	3.00
10	190	53	1	570	3.00
TOTAL	1778	376	8	5328	3.00

=====

TOTAL SCORE : 2 003 328

Operators : N6KI, WQ6X, K4RB, NN6X, N6EEG

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



Contest: CQ World Wide 160-meter Contest
 Callsign: N6KI
 Mode: CW
 Category: Single Operator (SO)
 Overlay: ---
 Band(s): Single band (SB) 160 m
 Class: High Power (HP)
 Zone/State/...: CA
 Locator: DM14LL
 Operating time: 13h29

BAND	QSO	DUP	DXC	S/P	POINTS	AVG
160	437	1	9	52	1039	2.38
TOTAL	437	1	9	52	1039	2.38

=====

TOTAL SCORE : 63 379



Look who else won their category in World Wide WPX! Congratulations to Charlie NN3V.

Repeater Site Work Report 11 February 2012

I met Gary at the I-15 and Gopher Canyon Park and Ride. From there we reached the site in about 1 hour.

With Gary's help the receiver and local speaker assemblies were replaced and the .075 is now working normally. This spare receiver has an internal preamp and the squelch opens a less than 0.1 uV.

We looked at the .13 repeater and the power out was 3 watts. Gary noticed it was half scale when the 075 was full scale at his house before leaving this morning. A change in value of the control resistors was made to raise the voltage to the control FET bias on the PA module. This brought the power up to 18 watts on the Byrd power meter. A final adjustment needs to be made when we have a calibrated Watt meter.

I found the Byrd meter in the Freezer building, the movement will not balance out to Zero and the closest slug I could find was 50W 200-500 MHz. I assume it has been dropped and is in need of calibration. We also need a 50W slug that is designed to cover 6 and 2 Meters.

The Mountain temp was a brisk 38 degrees F when we arrived and 36 F when we left. A really Cool Day on Palomar Mountain!

Art,
KC6UQH

Tennessee QSO Party 2011

AE6IC

First Place

Multi Op, Fixed, Low Power, Mixed Mode, California
(Ops: AE6IC, KJ6JUS)



tnqp.org



TCG
Certified
RadioActive

A handwritten signature in blue ink, appearing to be "Fred", is written over the "TCG Certified RadioActive" text.

Fred wins his category in the Tennessee QSO Party. Congratulations!

The Tennessee QSO Party is an annual amateur radio event which takes place on either the first or second Sunday of September. All amateur radio operators in the great state of Tennessee are encouraged to participate as antennas around the world rotate and point to the volunteer state.

The Tennessee QSO Party is hosted by the Tennessee Contest Group. Each year tens of thousands of QSOs occur between Tennessee amateur radio operators and hams worldwide. Personalized plaques are awarded for category winners, along with certificates suitable for framing, magazine subscriptions, and radio kits for other participants.

Preliminary report by Howard KY6LA

Honda vs. Yamaha Generator Shoot Out

Sound Test 2/4/2012

Meter Radio Shack Cat. No. 33-2050
 A Weighted Sound Test 0 dBA = 20 micropascals
 Generators exhaust located 90 degrees to test meter
 Meter Distance from source = 10'
 Ambient Noise 54 dBA

A/C Frequency 60.1 Hz

Yamaha EF2000i			
Eco Mode			
Load (W)	Volts	Amps	Sound (dBA)
0	124	0	61
250	124	2	62
500	124	4	64
750	124	6	68
1000	122	8	70.5
1500	120	13.5	73
2000	107	16	73

Yamaha EF2000i		
Regular		
Volts	Amps	Sound (dBA)
125	0	68
124	2	68.5
123	4	69.5
123	6	71
123	8	72
120	13.5	72.5
108	16	73

Honda	
Volts	Amps
126	
126	
125	
125	
124	
122	
109	

Emmission Compliance Life 500Hrs

500Hrs

Conclusion: Yamaha was slightly quieter than the Honda but not significantly different.

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59.9 Hz	
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regular	
	Sound (dBa)
0	70
2	71.5
4	71.5
6	71.5
8	72
13.5	73.5
16	74.5

250 Hrs

Observations - Objectionable Odors

- 1 Honda using Gasoline had a noticable and perhaps objectional exhaust odor
- 2 Yamaha under Propane operated no noticable exhaust odor.

Step Load Tests

Used HF Radio + 400 W Amplifier keyed at 8WPM to test step loads

Yamaha	
No Load	Full Load
122	102

Honda	
No Load	Full Load
124	99

Observation: Neither produced a chirp on the transmitted signals

Conclusion: **Yamaha had slightly better step load regulation but not significant**

Radio Noise Tests

Band	Line A/C	Yamaha	Honda
80M	S2	S3-S4	S3-S4
20M	Dennis to fill in		
15M	Dennis to fill in		
10M	Dennis to fill in		

Radio Spectrum Tests

Spectrum results photos will be added

We are unable to test in a S0 or better environment so we make no conclusions as to the use of either generator in ultra low noise situations

Adventures on the Midway

Joe Eisenberg, K0NEB from CQ Magazine was flying in from Nebraska for a presentation to my ham club, Escondido Amateur Radio Society. I wanted to arrange something different for him to do while he was here, other than the San Diego Zoo, Legoland, Sea World...the usual places for tourists. After all, Joe is a ham!



JOE AND JOE ON USS MIDWAY

Once a month on the second Saturday the USS Midway volunteers operate the radios. So I contacted the USS Midway to see if we could volunteer to operate the radios. I send an email to the general information for the Midway and very soon received back an email from Joe Garza who was very informative about the opportunity. On Saturday, Jan 14, 2012 the special event was to commemorate the first nuclear ship underway in 1954 and also the US Navy Seals in 1964. He arranged for us to meet him at the entrance and gave me his cell number, with a warning that reception was iffy at best, due to the metal of the ship. We contacted one of the volunteers outside the ship and they contacted Joe via walkie talkie and soon we were meeting Joe at the entrance to this magnificent museum. We introduced ourselves and were led across the length of the ship, then to the elevator, up to the flight deck and to the tower. We then ducked into a doorway, down the steep ladder, over the high thresholds, to the right, left and right again, past a few rooms, then stepped into the radio room. It's a small room, three desks pressed up against the bulkheads, radios set up as efficiently as possible, one set on 40 m, one on 20 m, and one was being used for MARS practice communication.

Volunteers were already at the stations, talking to other contesters, making notes, logging contacts. Joe and Hal Hinesley introduced us to the others. With the issue with the cell phone reception, one of the volunteers was trying to set up an antenna just for the phones. He handed me the length of cable and I followed him around, dropping line close to the bulkhead, out of the way of foot traffic. Soon we were at a location to temporarily set up the antenna, calling back for others to check the bars on their phones. We then went back; I was coiling up the cable and then dropping it along a different path. Still not enough bars for the cell phones. I went back and Joe K0NEB was already on one of the Elecraft K3's, calling out on 20 m.

I walked to the next room where there was an Icom D-Star set up and with a bit of instruction and the script I was soon talking to others in Scotland, Ireland, Spain, Texas, England, San Diego... all over. D-Star is great!

After a few hours, Joe & I left and took a self-guided tour of the ship. We also played on the flight simulators, then back to the radio rooms. After about another hour or so, contacts were winding down, the bands were fading in and out except for D-Star, so it was time to leave.

If you at all think this sounds like fun, please contact Joe Garza at jgarza@san.rr.com or Hal at halh@aol.com and volunteer for a wonderful day aboard the USS Midway!

Teri W6TRB

More Signature Card Adventures

When the Club elected a new treasurer, we needed to sign a new signature card to authorize the changed signers. Here's what happened!

Dave went to the local Bank of America branch to ask what was needed. Finding out that we needed a published account of our election, he asked Paul to send a letter stating the election results. Dave took this letter to Bank of America and was then told he also needed to have stated the new signers listed. Paul provided the new letter. An appointment was made for Dennis, Al, and Dave to be at the bank, because they were all now required to be at the bank for the new card. Al, Dave, and Dennis arrived at the bank at the appointed time and promptly waited over 30 minutes for the scheduled meeting. While waiting for the meeting, a bank representative came over to check on us and review our papers. After another wait we were finally seated for the meeting. The bank representative asked for our paperwork. We responded that the other rep took our paperwork. She then went to find the papers. Waiting near 10 minutes for her return continued our increasingly louder comments about the service provided to the customer. After confirming we were the three specified as the new signers, she asked where Georgia was. We told her that we were told she was not required to be here. She then asked for two forms of ID for each of us. We presented and were told that the second ID must have be Visa or MasterCard. We were told that our cards would not be on the account or associated with it, but the last four numbers would be listed??? We all commented that we should have all pulled our range cards. Next, she wanted to know where Paul was, and why he was not here. The last we knew he was in Texas. She had us call him to find out where he was, as she reluctantly would allow him to go to the local B of A branch to fill out another paper. This would have to be FedExed to the branch overnight, it could not be faxed or emailed as they are not secure. Another expense and diversion. Oh! She offered to have the Branch provide the FedEx service. Calling Paul, we found out he was back in Carmel Valley. The bank rep needed the Zip Code for Carmel Valley because she could not look up the local branch by city? A local branch was chosen, and Paul was instructed to be there before 2:00 PM and they would send the FedEx. Paul would need his ID and talk to the manager. Finally DONE. Many comments were made during the transaction including how easy it is to move our account to the bank down the street and how bad the service was. No reaction was offered by the Representative. Paul went to the branch in Carmel Valley that was agreed upon. He asked for the manager and told him who he was, and teller brought the paper for him to sign, (providing no ID.)

During this extraordinary visit Dave asked if we could have a deposit only ATM card. We were told yes. It came about two weeks later. As noticed in the paperwork with the card, it is required to go to a branch to activate the card. Dave went to the local branch tried to activate the card and was told that he was not a signatory and could not proceed. After explaining the past visit the branch contacted the Carmel Valley branch. The Carmel Valley branch located the document and said they would FAX it right away to the Vista branch. They did activate the card for Dave.

Can't wait for the next signature trip. It should be fun, and preplanned with range cards.

Dennis, Al, and Dave

<p>HAM RADIO OUTLET</p> <p>Jose XE2SJB Jerry N5MCJ Joe N6SIX</p> <p>H R O</p>	<p>KENWOOD rf CONCEPTS DIAMOND US TOWERS KANTRONICS YAESU, MFJ, ICOM BENCHER, Inc. HUSTLER COMET AMERITRON</p>	<p>Astron, AEA, OUTBACKER Larsen Antennas TEN-TEC Hy-gain, Tri-EX, Cushcraft And Others too Numerous to Mention!</p>	<p>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.</p>
<p>Open: 10a.m. – 5:30p.m. Monday thru Saturday <i>Ask about our great prices</i> 858 560-4900 or toll free 1-800-854-6046</p>	<p>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!</p>		

ARRL National Convention

New York City — July 19-21, 1974

BY "DEE" LOGAN,* WB2FBF

WITH THE famous New York City skyline in the background and the luxurious Waldorf-Astoria Hotel as a unique setting, the 1974 ARRL National Convention gets underway on Friday, July 19, with a full weekend of activities celebrating the League's 60th birthday. Member clubs of the Hudson Amateur Radio Council, sponsor of the event, have arranged a jam-packed program, exhibits of the latest radio gear, prizes, varied activities and ample opportunities for eyeball QSOs with fellow amateurs from around the world.

"The 1974 Convention, with the theme 'International Friendship Through Amateur Radio' is an appropriate way to celebrate both the League's 60th anniversary and the 50th birthday of the Hudson Division," comments Stan Zak, K2SJO, Hudson Division Director. "Members of HARC's convention committee have been working for many months to insure that the program and its many activities provide something of interest to every amateur — be they QCWA members or satellite experimenters. The ARRL Board Meeting held in conjunction with the Convention means that all directors will be on hand for the weekend in addition to ARRL President Dannals, *QST* Editor John Huntoon and members of the headquarters staff plus FCC officials. I hope that every amateur who can possibly attend will join us at the Waldorf for what we believe will be an outstanding event."

A special observance of "Amateur Radio Week" in New York State will mark convention week, as proclaimed by Governor Malcolm Wilson, who publicly commended radio amateurs for providing "vital communications services in time of natural disaster and other emergencies in New York and other parts of the world."

Special room rates have been arranged for those staying at the Waldorf during the convention. Reservations should be made directly with the hotel, mentioning the radio convention. Special rates are \$22 per night for single rooms, \$28 for doubles, with the special rate applying to those extending their stay for up to one week beyond the convention dates.

* Assistant Director, Hudson Division.

Behind every convention there's an "army" of volunteers — here's the HARC Brigade marching full speed ahead for the National.

July 1974

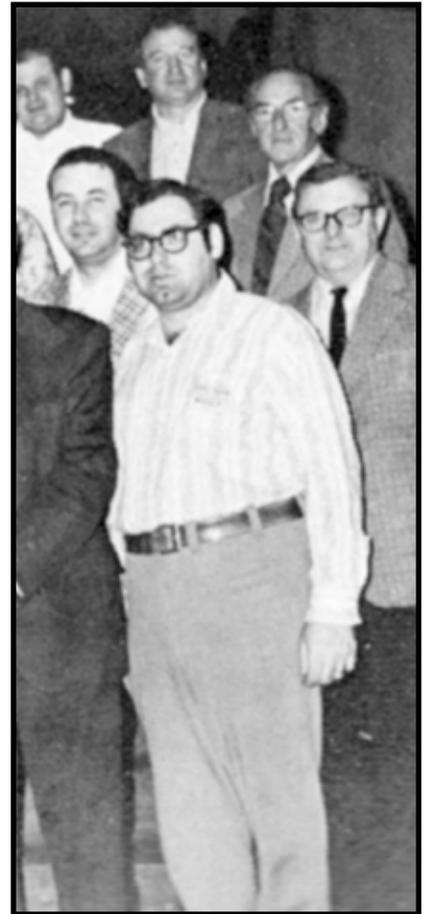


FCC Examinations

Through special arrangements with the New York office of the Federal Communications Commission, radio amateur operator examinations for General Class or higher will be conducted at the convention on Saturday, July 20th. Application, with the appropriate fee (\$9 at press time), should be made in advance via Robert Reiley, WB2FHN, c/o Box 1032, Hall of Science Radio Club, Flushing, NY 11352. The test may be taken beginning at 10:00 A.M., with the cw examination given up to 1:00 P.M.

Equipment Show

One of the most popular portions of the Convention will be a three-day exhibit of amateur radio equipment featuring leading manufacturers, distributors, and radio publishers. Admission to the exhibit area is free. Also included: special booths with representatives on hand from ARRL, FCC, MARS, Amsat, MARCO, IMRA, QSL Bureau and others. Contests are scheduled, including a QSL card judging (bring yours), and a display of the many prizes being given away should attract an enthusiastic following.



WHO IS THAT YOUNG MAN?
K2RP, OF COURSE!



Ten Transmitters Operated Simultaneously

W6GAL/6 Mid Cities Amateur Radio Club 1021- A-16-14,378
 W6NWG/6 Palomar Radio Club 674- A-38-11,563

Results, Twelfth ARRL Field Day

More Than 4600 Participants Afield in Annual Test of Portables

If the number of individuals participating in an ARRL Field Day is any indication of the willingness and ability of amateur radio to prepare for service in emergency, then amateurs in the field territory of the League are doing a fine job. Dedicated to emergency preparedness, this popular annual activity has enjoyed wider participation each year since its inception. The Twelfth ARRL Field Day, held last June 12th and 13th, dwarfed previous affairs, made them seem like mere trial runs by comparison. It was the largest field testing of amateur facilities ever held and one of which we may well be proud. There were 4660 individuals in the field; 305 club portable stations, manned by 4084 participants, were active; among the nonclub groups, 576 individuals kept 144 portables on the air.

The FD was rich in experience for its participants. It provided to many a better appreciation of the problems involved in operating portable equipment afield; it showed up defects in gear and pointed the way to improvement. Some groups gained a new awareness of the importance of operator proficiency and have come to realize that this is a factor equally as important as efficient transmitters, receivers and antennas. Aside from its serious aspects, another point stands out: the FD was fun! It was filled with interesting and amusing incidents that will linger pleasantly in the memories of those who took part. If you've taken part in an FD, you'll know just what we mean; if not, you'll just have to try a Field Day some time!

Under the rules, competition in Field Day is considered to be among stations employing similar numbers of transmitting set-ups. Score listings are arranged below according to the number of transmitters that were in simultaneous operation at each station. There always is, however, intense interest on the part of FD participants in knowing which groups, regardless of transmitter classification, had the highest scores and what

combinations of gear and bands were used. Some of the top scores in the various classes will be mentioned along with brief descriptions of layouts used.

Each year has seen Field Day groups on the West Coast inching up on their competitors to the east. In the 11th FD the Society of Amateur Radio Operators managed a second-place score which augured the possibility that the banner would move to the West in 1948. SARO's apparent ambition was realized in this Field Day; by a comfortable margin their 17,017-point score earned first-place honors. Operating 7 transmit-

TEN HIGH SCORES

Clubs	Score	Others	Score
W6AEX/6	17,017	W6EYH/6	6197
W2OM/2	15,615	W9ERU/9	5225
W6AMT/6	15,129	W9JIE/9	4968
W6GAL/6	14,378	W9EDK/9	4707
W6BYP/6	14,334	W6NIK/6	4617
W6QV/6	13,689	W9BVG/9	4167
W6VB/6	13,487	W5AA/5	4152
W6ME/6	13,150	W1ORP/1	4131
W6DK/6	12,609	W6LDJ/6	4118
W9IT/9	12,126	W2UBU/2	3929

ters at W6AEX/6 from a ranch location near San Carlos, Calif., 30 members assisted in making 822 contacts. Power for all rigs was supplied from batteries charged by a gas-driven generator. Each transmitter used VFO control and was operated at 30 watts or less input. Efficient antennas helped the success of SARO's operations in no small measure: radiators for 3.5 Mc. were two half-waves in phase; for 7 Mc. a "V" beam; 14-Mc. c.w., two 8JKs; 14-Mc. 'phone, three-element rotary; 28 Mc., a three-element beam and a ground-plane job; 144 Mc., sixteen-element rotary. A breakdown of the contact total by bands shows the following: 78 QSOs on 3.5-Mc. c.w., 148 on 3.85-Mc. 'phone, 223 on 7 Mc., 109

The Wisconsin Valley Radio Association turned in a good FD performance with the highest score in the two-transmitter class, 6322. In this shot W9JBF pours gas into W9CIC at one of the operating points.

on 14-Mc. c.w., 75 on 14-Mc. 'phone, 56 on 144 Mc. 'phone, 56 on 144 Mc. 'phone, 56 on 144 Mc. 'phone.

A group with plenty of Field Day experience, the Tri-County Radio Association, turned in the second highest score, 15,615 points. In the field in number of contacts, they broke a new record with a record-breaking total of 1390. Eight transmitters were working at 30 watts or less input simultaneously under the call W6AMT/6. Watchung, N. J., on 3.5, 7, 14, 14.3, 3.85-, 14-, 28-, 50- and 144-Mc. 'phone. Operation was manned by 25 operators. Power input was 30 watts or less on all except the 14-Mc. 'phone, which ran 85 watts. A varied antenna system was employed, including doublet phased arrays, square-corner ground plane. Operation was on 3.5 through 144 Mc. c.w. and 144-Mc. 'phone.

The Metropolitan Radio Club gave an excellent account of itself with a score of 15,129 points. Their 1159, was higher than that of the club but they were outscored as a result of the advantage of the battery system having been obtained from a portable power plant. Power input was 30 watts or less on all except the 14-Mc. 'phone, which ran 85 watts. A varied antenna system was employed, including doublet phased arrays, square-corner ground plane. Operation was on 3.5 through 144 Mc. c.w. and 144-Mc. 'phone.

In the nonclub category, scores were divided into two sections, club and nonclub. Scores were obtained by groups consisting of three operators that operated one or two transmitters. The other including single-transmitter stations. The highest score obtained by one or two operators was 6197 points, scored by W6EYH/6, operated by W6VUC at Big Bear, Calif. The 6197 points resulted from 281 contacts on 7- and 14-Mc. c.w. The rig, a VFO, was powered by a maximum of 28 watts, using a PE-103 dynamotor; an NC-111



It didn't rain everywhere during Field Day! From this sun-drenched location, Geiger Summit, in their home state, the Nevada Amateur Radio Association had four transmitters on the air. Their regular FD site on Mount Rose was covered by six to ten feet of snow! Left to right: W7BIC, W7CX and a visitor.

QST for

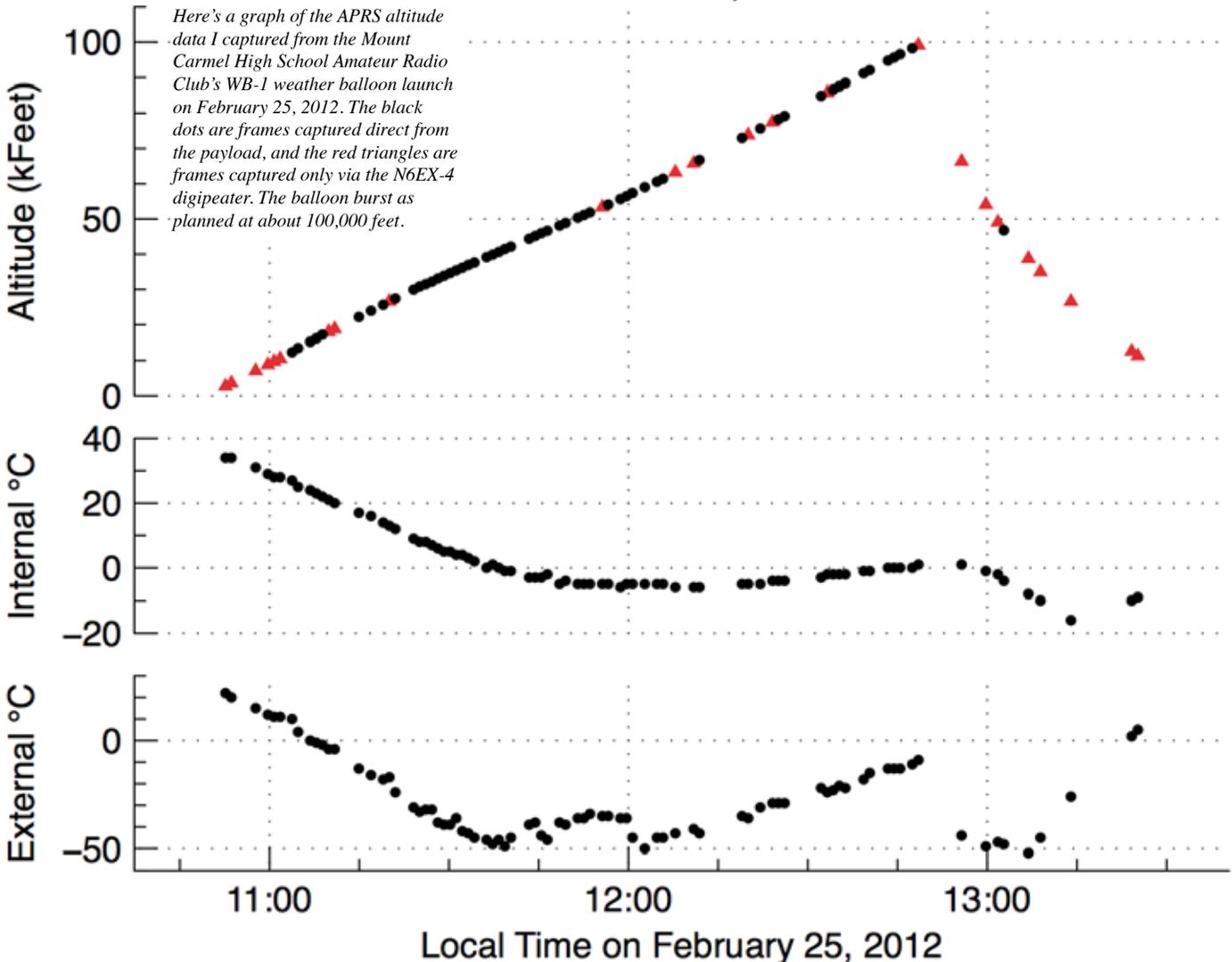
February 1949

Mount Carmel High School Amateur Radio Club Balloon Launch

Successful balloon launch 25 February 2012 was sponsored by John KG6EQU. Club student president is Lindsay KI6LZN. Graphics by Paul KB5MU.



WB-1 Altitude and Temperature Profiles



OPERATING DAY

Sunday, March 18, 2012



FRY'S ELECTRONICS

150 South Bent Street

SAN MARCOS, CALIFORNIA 92069

9:30 AM to 5:30 PM

HOSTED BY PALOMAR AMATEUR RADIO CLUB

www.palomararc.org

contact Dennis KD6TUJ (760) 672-0223

Come operate on the ham bands at Fry's

70cm, 2m, 6m, 10m, 15m, 20m



Palomar Amateur Radio Club will be conducting an Operating Day at Fry's Electronics at the North end of the parking lot nearest Highway 78 on March 18, 2012 (Sunday) between 9:30 AM and 5:30 PM. Joining us in our event are CERT, San Marcos Arc?, PAPA D-Star, possible participation by the Red Cross, and Skywarn. This will be a fun day demonstrating Amateur Radio to the public. With this location, there should be lots of opportunity. Wonder who we will contact this time! Also wonder what will Ron bring from the vintage warehouse. Come on out and join us for some radio fun. Thank Sean Archer, Manager, for approving the request locally and Glen Johnson WA6GHW in electronic components (computer) for speaking in our benefit. When this goes better than planned, we might be able to have a FRY'S Operating Day in November at all the Fry's with local clubs participating.

Dennis KD6TUJ

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Featured Program:

At 7:30pm on the 7th of March 2012, Harry Hodges will host a viewing about the DXpedition to the South Orkney Islands.

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