



RF



ORANGE COUNTY AMATEUR RADIO CLUB, INC.

VOL. XLVII NO. 07

P.O. BOX 3454, TUSTIN, CA 92781-3454

July 2005

The Prez Sez:

It was a great Field Day for OCARC this year....

- Good location
- Good temperatures
- Good turn-out
- Good bands
- Good operators
- Good teamwork
- Good food
- Good fun

What more could a club president ask for??? I think that everyone that I talked to had a good time. And the bands were definitely better than what we had expected. We had about 1,945 contacts (up 9% over 2004 and up 105% over 2003). We had lots of CW this year which allowed us to generate about 5,350 points without adding in the bonus points (up 24% over 2004 and up 160% over 2003).

Over course Field Day doesn't happen without people making the event happen. So I would like to recognize some people who really did extra efforts....

First, our Field Day Chairman Willie-N8WP and his wife Cheryl-KG6KTT, the FD Food Chair, were a tireless pair who made things happen. The site was terrific and I loved the steak dinner on Friday evening and the steak tacos on Saturday evening. And Willie worked hard, even with a broken knee-cap.

Next, I want to recognize our Logistics Transportation Team of Chris-W6KFW and Bud-WA6VPP. These hard working hams made many stops for pick-ups and drop-offs using their trucks to carry generators and towers and beams and a big BBQ, etc. We couldn't have gotten the big equipment there without them.

Then, I want to recognize two operators, Kenan-N6CCE and Mike-WK6O, who keep their transmitter going productively for 24 hours. When 15M fell off early, they jumped to 20CW using an 80M dipole, without causing any interference to 20 PHN operations. These two guys really figured how to keep the points rolling in from their station.

Finally, I want to recognize the "last minute Team Captain" for VHF/UHF, Bob-KD6BWH. When Elmer-WA6PFA had to withdraw because of family medical problems, Bob-KD6BWH pulled together a station and antennas to allow OCARC to earn 146 QSOs on VHF/UHF.

Many other people worked hard, too. And the club team work that I saw to set up antennas and do tear-down was outstanding. It was fun. It was a great Field Day.

See you at the meeting.

....de Ken Konechy W6HHC

The next general meeting will be:

Friday, July 15th @ 7:00 PM

**We will be meeting in Room 208
in the East Red Cross Building**

**Carl Gardenias, WU6D, ARRL Orange Section
Manager, will speak on building and energizing
amateur radio clubs.**

Details on Page 4

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**THE ORANGE COUNTY
AMATEUR RADIO CLUB,
INC.**

P.O. Box 3454, Tustin, CA 92781



2005 Board of Directors:

President:

Ken Konechy, W6HHC
(714) 744-0217
kkonechy@pacbell.net

Vice President:

Willie Peloquin, N8WP
(714) 318-4047
n8wp@arrl.net

Secretary:

Rich Helmick, KE6WWK
(714) 343-4522
R2535@sbcglobal.net

Treasurer:

Cheryl Peloquin, KG6KTT
(714) 318-4047
Chercool@escapees.com

Membership:

Dan Dankert, N6PEQ
(714) 544-9846
n6peq@dxer.com

Activities:

Kristin Dankert, K6PEQ
(714) 544-9846
kdankert@comcast.net

Publicity:

Bob Eckweiler, AF6C
(714) 639-5074
AF6C@arrl.net

Technical:

Kenan Reilly, N6CCE
(714) 543-5073
N6CCE@yahoo.com

Members At Large:

Lowell Burnett; KQ6JD
(714) 997-0999
KQ6JD@aol.com

Steve Brody, KB1GZ
(714) 974-0338

stevebrody@sbcglobal.net

2005 Club Appointments:

W6ZE Club License Trustee:

Bob Eckweiler, AF6C
(714) 639-5074
AF6C@arrl.net

Club Historian:

Bob Evans, WB6IXN
(714) 543-9111
bobev@netzero.net

RF Editor (rotating):

Willie Peloquin; N8WP
(714) 318-4047
n8wp@arrl.net

WEB Master:

Ken Konechy, W6HHC
(714) 744-0217
kkonechy@pacbell.net

ARRL Assistant Director:

Ken Konechy, W6HHC
(714) 744-0217
kkonechy@pacbell.net

ARRL Awards Appointee:

Larry Beilin, K6VDP
(714) 557-7217
k6vdp@aol.com

OCCARO Delegate:

Kristin Dankert, K6PEQ
(714) 544-9846
kdankert@comcast.net

Monthly Events:

General Meeting:

Third Friday of the month
at 7:00 PM
American Red Cross
601 N. Golden Circle Dr.
(Near Tustin Ave. & 4th St.)
Santa Ana, CA

Club Breakfast:

First Saturday of the month
at 7:30 AM
Katella Grill (Main & Katella)
1325 W. Katella Ave.
(2 miles west of 55FWY)
Orange, CA

Club Nets (Listen for W6ZE):

7.086 ± MHz CW **OCWN**
Sun- 9:00 AM – 10 AM
Rick KF6UEB, Net Control

21.375 ± MHz SSB
Wed- 7:30 PM – 8:30 PM
Bob AF6C, Net Control

146.55 MHz Simplex FM
Wed- 8:30 PM – 9:30 PM
Bob, WB6IXN, Net Control

VISIT OUR WEB SITE

<http://www.w6ze.org>

for up-to-the-minute club information, the latest membership rosters, special activities, back issues of RF, links to ham-related sites, vendors and manufacturers, pictures of club events and much much more.

Club Dues:

Regular Members ...\$20
Family Members* ...\$10
Teenage Members ..\$10
Club Badge**\$3

Dues run from January thru Dec and are prorated for new members.

*Additional members in the family of a regular member pay the family rate up to \$30 per family.

**There is a \$1 charge if you'd like to have your badge mailed to you.

OCARC General Meeting Minutes

June 18, 2005

President Ken W6HHC called the meeting to order at 7:04 PM. All Board members were present. There were a total of 30 members and visitors present, with Allen, KD6LCL and Jim, KB6OUM visiting.

Gordon West WB6NOA presented a great program on TROPO Ducting.

Chip, K7JA, gave the group background on his appearance on the Leno Show.

After the break, Cheryl, KG6KTT, gave a Treasurers report indicating that the club had \$2551.66 in the accounts.

Programs coming up are the Orange Section manager for ARRL speaking to the club and/or a program on Echo Link.

OLD BUSINESS

Vice President Willie, N8WP, gave a run down on FD preparations. Early set up will be at 3 PM Friday. A steak dinner awaits all that help on Friday. WA6PFA, Elmer, is unable to take his Team Captain's spot but has equipment available to be used for UHF/VHF. Bob Buss, KD6BWH, was volunteered to take Elmer's place. AF6C Bob, reported that the FD filters are in, as in hand, not just in the mail.

Kristin, K6PEQ, informed the group that the club potluck is set for Saturday, July 30, 2005 from noon until the last person leaves their house.

NEW BUSINESS

President Ken reports that "Newsline" is running out of funds. After discussion Willie moved and Lowell, KQ6JD seconded a motion to send "Newsline" \$50.00.

GOOD OF THE CLUB

- Willie is the RF editor for July.
- Kristin informed the group that OCCARO has OCARC set for OC Fair coverage on Wednesday July 13, 2005. OCCARO is also thinking of putting on the 2007 convention.
- Dan, N6PEQ, reported that 6 meters has been good.

Meeting adjourned at 8:54 PM.

Respectfully submitted
Rich Helmick
KE6WWK
Secretary

OCARC Board Meeting Minutes

July 1, 2005

The meeting was called to order at 8:15 AM by President Ken W6HHC. There were 9 in attendance with 6 being Board members.

DIRECTORS REPORTS:

Programs- Vice President Willie, N8WP, reported that the ARRL Orange Section manager will be speaking to the club in July. The August program is being developed and may be on Echo Link.

Secretary- Received correspondence was given to the President and Treasurer.

Treasurers- Cheryl, KG6KTT, handed out a written report that will be available at the next club meeting. The club has \$2480.33 in the accounts.

Activities Director – Out of country

Technical- Ken N6CCE had nothing new to report.

Membership- Out of country

Publicity- Not in attendance

Director at Large- Steve, N1AB, reports that the names of new HAMS will be available next Wednesday and he will be contacting those people.

OLD BUSINESS

President Ken reported that Field Day was a success and Willie reported that plans for next year's Field Day are already being formulated. Goals for next year will be more QSO's, a different antenna array and more sideband activity. President Ken will send a thank you letter to the Los Al folks. Special thanks were given to the "transportation" crew who moved Field Day equipment to and from the site.

The club potluck will be on July 30, 2005 from noon until Dan and Kristin kick us out. RF editors for the up coming months are Willie in July; Kristin, K6PEQ, in August; Ken, W6HHC, in September; and possibly Bob, AF6C in October. If you would like to try your hand at being an RF editor, contact President Ken and he will gladly give you a chance.

The OC Fair is coming and OCARC's responsibility for the HAM booth is on July 13th.

The club secretary will once again start working on the Special Status application for the club. Anyone who would like to assist or assume this task is free to contact Rich, KE6WWK.

NEW BUSINESS

The club's October auction is rapidly approaching. Please send a list of items you have for sale to Ken, W6HHC, for posting on the club web site, seen by millions on the World Wide Web. Ken N6CCE offered to take any donated items not sold at the auction to the TRW swap meet and give the proceeds to the club.

Willie suggested to the Board that the meeting part of the Board

Continued...

meeting start earlier so as to get finished before the noise in the restaurant gets to loud (what!!!). After discussion it was decided the meeting will start at 7:30 AM with ordering and meeting taking place at the same time. If you have business for the Board please be in attendance by 7:30 AM.

GOOD of THE CLUB

All in attendance were reminded of the "lowering of the antenna" party on July 9, 2005. After discussion the board voted to make Mike, WK6O, an honorary member based on his prior work with the club and his line of work taking making it hard for him to attend club meetings.

The meeting was adjourned at 9:00 AM.

Respectfully submitted
Rich Helmick
KE6WWK

July 15, 2005 General Club Meeting



The speaker at the next OCARC club meeting will be Carl H. Gardenias, WU6D. As the ARRL Orange Section Manager, Carl is our representative to the ARRL.

Carl will be discussion techniques for building and energizing an amateur radio club. Be ready with your own suggestions and ideas to make this a lively and interactive discussion!

Don't miss it! All members and visitors are welcome.

HEY!!!



Do you know a fellow ham that might be interested in joining OCARC?

If so, the club would be pleased to email or snail mail the latest issue of 'RF' plus an OCARC introductory letter to the prospective new member.

Also, feel free to invite a fellow ham to one of our monthly club meetings too! The club is always looking to expand our membership base.

Contact Dan N6PEQ via email at n6peq@dxer.com or via telephone at 714-544-9846.

Gordo Does Tropo



OCARC was fortunate to have a presentation on Tropospheric Ducting by Gordon West, WB6NOA for our June meeting.

This is now Tropo Season in Southern California!!! VHF and UHF beacons are currently on the air from Hawaii. Listen in on the following frequencies.

- 144.170 MHz
- 222.100 MHz
- 432.078 MHz
- 1296.250 MHz

A Ham's Puzzle

More Antenna Farms:

[Here are two puzzles that are similar to last month's puzzle. They are from our own long-time member, math teacher and ARRL official, Fried, WA6WZO]

"Your tower problem reminded me of two similar problems:"

[1] Arrange 10 towers in 5 rows with 4 towers in each row (easy).

And...

[2] arrange 9 towers in 10 rows with 3 in each row (hard).

Send AF6C your solutions or a request for clues.

Answer to Last Month's Puzzle

There are more than one way to solve this problem.

Figure one is my solution.

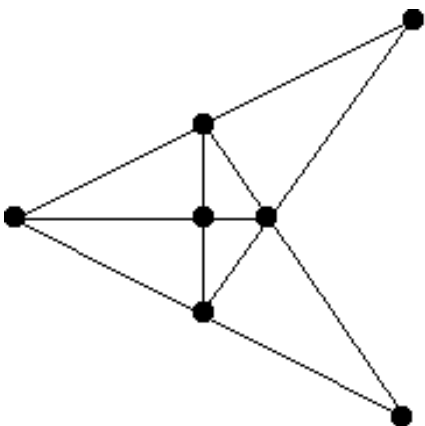


Figure One - My Solution

Fried, WA6WZO offered the following solution:

"Hi Bob:

I enjoy the math problems in the OCARC RF--it brings back memories of my interest well past 40 years ago as a young high school math teacher.

Your problem of 7 towers with 6 rows of 3 in each is solved by taking any triangle and drawing in segments from each vertex to the opposite side with all three intersecting at a common (interior) point. The 7 intersecting points give you the placement of the 7 towers so you have 6 rows with 3 in each row."

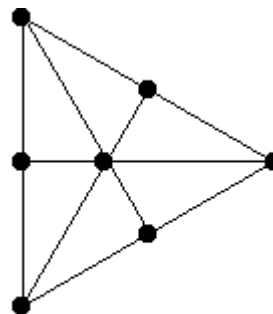


Figure Two - WA6WZO's Excellent Solution

Last Month's Bonus Puzzle

The answer to the bonus snowplow problem is:

The snow started falling at 11:22:55 AM.

Look for a detailed solution to be published on our website in the near future. Look under "Items of Interest".

de Bob AF6C

NASA ANNOUNCES RETURN TO FLIGHT WEB & LAUNCH COVERAGE

NASA is featuring a prelaunch webcast and extensive launch day coverage of the Space Shuttle Discovery's Return to Flight mission (STS-114). Prelaunch coverage starts at 2:30 p.m. EDT, July 10, and the launch is at 3:51 p.m. EDT, Wednesday, July 13.

The prelaunch webcast, schedules and mission coverage are available on the Web at:

<http://www.nasa.gov/returntoflight>

The prelaunch webcast features an overview of Discovery's mission to the International Space Station. It will include interviews; question-and-answer sessions with NASA experts about the Shuttle's safety upgrades; essential Space Station payloads carried on Discovery; and space flight from an astronaut's perspective.

Live launch coverage begins at 10 a.m. EDT, July 13. NASA will update its Virtual Launch Control Center during launch countdown coverage. NASA portal coverage of the mission includes webcasts of all NASA TV coverage, updated status reports, features and personality profiles. The media resources section contains detailed information about the mission, including safety improvements to the Shuttle.

WEB COVERAGE SCHEDULE (TIMES SUBJECT TO CHANGE):

- 2:30 p.m. EDT, Sunday, July 10: "STS-114: Mission Webcast" is available at:

<http://www.nasa.gov/returntoflight/launch/event-STS-114.html>

FCC Approves Slight Vanity Fee Increase

The FCC has approved raising the fee for an amateur vanity callsign by \$1.10 for the forthcoming fiscal year. The fee, currently \$20.80 for a 10-year term, will increase to \$21.90.

The Commission bases its fees on its anticipated annual costs of processing license applications, but for small fees (such as those for amateur vanity callsigns), it averages those costs over the life of the license term and collects the entire amount up front. The new fee is based on an annual amount of \$2.19 (currently \$2.08), multiplied by the 10-year term of the license. The FCC anticipates collecting a total of \$166,443 in revenue from amateur vanity call applications over the next fiscal year, meaning it expects to receive approximately 7600 vanity applications.

The current fees have been in effect since August 10, 2004; the new fees take effect 30 days after publication in the Federal Register.

For the complete (60+ page) FCC order, go to <http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-05-137A1.pdf>.



Kenan-N6CCE has volunteered to store OCARC towers and push-up masts in his storage unit. Here Kenan pushes one of the club's four military push-up masts (donated by Frank WA6VKZ) into the pick-up truck of Bud-WA6VPP

Photo by W6HHC



Field Day actually begins about a week before the event as inspection and repairs are made to some of club equipment. Here the 15M and 20M mono-band beams are inspected and repaired at the QTH of Ken-W6HHC.

Photo by W6HHC



High school student Missy-KG6CJJ operates 20M phone while Team-Captain Ken-W6HHC gives an assist on call letters. Cindy-KC6OPI (Missy's mom) operates the logging program and checks for "dups". Photo by AF6C



Kneeling in front (L to R): Chris Winter-W6KFW, Mike Gaude-WK6O, Robbie Robinson-KB6CJZ, Bob Eckweiler-AF6C, OCARC "el Presidente" Ken Konechy-W6HHC, and Larry Beilin-K6VDP.

Standing in back are (L to R): Bob Buss-KD6BWH, Bud Barkhurst-WA6VVP, Field Day Chairman Willie Peloquin-N8WP, Cheryl Peloquin-KG6KTT, visitor from England Bob McLachlan-G7GHA/ KD6LBD, Matt McKenzie-K6LNX, Kenan Reilly-N6CCE (on the ladder), John Bush-WB6AJE, and Rich Helmick-KE6WWK. Photo by W6HHC

"RF"

ORANGE COUNTY AMATEUR RADIO CLUB

JULY 2005

FIELD DAY SUMMARY
FOR
THE ORANGE COUNTY AMATEUR RADIO CLUB - W6ZE

by: Ken / W6HHC & Bob / AF6C

YEAR	160M SSB	80M CW	75M SSB	40M CW	40M SSB	20M CW	20M SSB	17M SSB	15M CW	15M SSB	12M SSB	10M CW	10M SSB	6M PHN	2M CW	2M PHN	2M PKT	220 PHN	440 PHN	440 ATV	SAT- ELLITE	GOTA	---- TOTAL ---- QSO's / (POINTS)
2005	0	113	6	158	481	337	534	0	122	17	0	0	0	74	0	36	0	16	20	0	0	31	1,945 / 5,350
2004	0	166	239	37	412	131	477	0	31	105	0	1	114	0	0	46	0	12	20	0	1	0	1,792 / 4,316
2003	0	0	85	52	127	27	295	0	0	191	0	0	41	52	0	64	0	1	13	0	0	0	948 / 2,054
2002	0	26	69	192	279	76	229	0	0	485	0	0	18	62	0	68	2	6	10	3	0	3	1,528 / 3,648
2001	0	0	25	101	251	0	432	0	0	675	0	0	109	48	0	28	0	1	0	0	3	-	1,673 / 3,548
2000	0	19	20	88	91	0	625	0	0	794	0	0	121	36	0	72	0	7	15	0	1	-	1,889 / 3,992
1999	0	13	20	15	237	0	996	0	0	724	0	0	22	5	0	2	0	0	0	0	0	-	2,034 / 4,124
1998	0	24	75	65	136	100	250	0	0	624	0	0	82	0	0	46	7	17	12	0	1	-	1,439 / 3,270
1997	5	81	131	83	306	150	853	0	14	275	0	0	106	32	0	79	32	4	0	0	1	-	2,152 / 5,024
1996	-	146	228	104	125	283	673	0	40	605	0	0	217	121	0	32	13	0	40	0	1	-	2,628 / 6,428
1995	-	145	272	203	94	443	572	0	51	451	0	0	131	66	0	93	33	29	8	0	6	-	2,597 / 6,944
1994	-	114	114	208	45	486	748	0	85	761	0	13	312	58	0	94	31	33	0	0	0	-	3,102 / 8,078
1993	-	150	100	159	81	530	700	30	131	812	0	0	179	40	0	86	35	12	16	0	0	-	3,061 / 8,132
1992	-	0	294	200	110	541	555	0	0	840	0	0	232	13	0	74	41	0	1	2	80	-	2,983 / 7,530
1991	-	105	308	182	182	400	623	23	9	463	0	0	104	4	0	141	48	23	11	0	0	-	2,626 / 6,740
1990	-	0	0	70	144	0	370	-	0	747	0	0	131	39	0	114	2	14	26	0	-	-	1,657 / 3,454
1989	-	30	0	98	5	0	906	-	21	172	0	0	238	3	0	121	18	24	9	1	-	-	1,646 / 3,590
1988	-	127	0	93	75	2	359	-	0	570	0	144	81	0	0	32	14	0	-	-	-	-	1,497 / 3,726
1987	-	22	0	0	39	0	708	-	0	18	1	117	0	1	0	51	5	0	-	-	-	-	962 / 2,202
1986	-	0	46	219	78	0	488	-	0	45	10	0	0	0	0	82	0	0	-	-	-	-	968 / 2,374
1985	-	85	0	315	91	35	662	-	78	0	-	0	0	0	0	22	-	0	-	-	-	-	1,288 / 3,602
1984	-	18	0	313	0	32	196	-	32	350	-	0	0	0	0	0	-	0	-	-	-	-	941 / 2,672
1983	-	3	93	200	0	0	776	-	0	995	-	0	43	18	0	16	-	1	-	-	-	-	2,145 / 4,696
1982	-	0	105	59	238	40	352	-	19	515	-	0	72	0	0	155	-	27	-	-	-	-	1,582 / 3,400
1981	-	0	167	200	265	60	699	-	77	717	-	0	105	0	0	197	-	0	-	-	-	-	2,487 / 5,648
1980	-	20	149	205	235	471	318	-	52	1,025	-	0	226	12	0	100	-	36	-	-	-	-	2,849 / 7,194
1979	-	0	195	198	92	42	773	-	0	737	-	0	95	0	2	124	-	8	-	-	-	-	2,266 / 5,016
1978	-	16	196	246	170	30	981	-	57	558	-	13	145	0	1	164	-	23	-	-	-	-	2,600 / 5,926
1977	-	25	243	182	199	0	843	-	81	486	-	4	309	0	4	234	-	0	-	-	-	-	2,610 / 5,812
1976	-	99	254	152	487	21	600	-	64	210	-	2	54	0	0	2	-	0	-	-	-	-	1,945 / 4,566
1975	-	80	120	154	274	40	863	-	140	259	-	0	123	0	0	0	-	0	-	-	-	-	2,053 / 4,934
1974	-	6	161	6	333	0	630	-	12	342	-	0	110	0	0	0	-	0	-	-	-	-	1,600 / 3,248
1973	-	90	226	0	452	0	932	-	0	273	-	0	0	0	0	46	-	0	-	-	-	-	2,019 / 4,218
1972	-	0	50	0	350	0	521	-	0	530	-	0	0	0	0	94	-	0	-	-	-	-	1,545 / 3,090
1971	-	0	274	0	106	0	530	-	0	136	-	0	0	0	0	0	-	0	-	-	-	-	1,046 / 2,092
1970	-	0	272	0	0	0	531	-	0	426	-	0	0	0	0	0	-	0	-	-	-	-	1,229 / 2,458
1969	-	0	98	0	50	0	375	-	0	301	-	0	0	0	0	169	-	0	-	-	-	-	993 / 1,986
1968	-	10	224	62	396	93	328	-	24	430	-	0	68	0	0	145	-	0	-	-	-	-	1,780 / 3,938

Note: These are raw contacts taken directly from the log sheets. Adjustments have not been made for duplicate contacts, and bonus points have not been added yet. Final scores appear in QST.



"Hams are family, here and everywhere"

Inland Empire Council of Amateur Radio Organizations
Proudly Presents the
2005
ARRL SOUTHWESTERN DIVISION
CONVENTION
RIVERSIDE CONVENTION CENTER
RIVERSIDE, CALIFORNIA

September 9-11, 2005

ARRL Forums
Antenna and Propagation Forums
Contesting / DX Forums
Sunday T-Hunt
Wouff Hong
W1AW/6 Special Event Stations

Saturday Luncheon
Sunday Breakfasts (DX & VHF/UHF)
Grand Banquet guest speaker:
H. Ward Silver, N0AX
Author of
"Ham Radio for Dummies"

Convention Highlights Include:

Low Power (QRP)
Public Safety Demonstrations
Prize Drawings in every program
Thousands of dollars in prizes
(see our web site for a list of prizes & raffle info)
VE Testing
Non Ham Forums

For hotel and updated information see our web site at: <http://arllswdconv.org>

Mail-In Registration Form

11-12(WS)	ITEM	QUANTITY	COST	AMOUNT
	Early Bird Registration (before April 30, 2005)	_____	@ \$10.00	\$ _____
	Pre-Registration (May, 1 to Aug 21, 2005)	_____	@ \$12.50	\$ _____
	Late or On Site Registration (after Aug 21, 2005)	_____	@ \$15.00	\$ _____
	Kids Registration (16 & under with paid adult)	_____	@ FREE	\$ _____
	Saturday Luncheon (before Aug 21, 2005 <u>ONLY</u>)	_____	@ \$20.00	\$ _____
	Saturday Grand Banquet (before Aug 21, 2005 <u>ONLY</u>)	_____	@ \$35.00	\$ _____
	Sunday DX Breakfast (before Aug 21, 2005 <u>ONLY</u>)	_____	@ \$17.00	\$ _____
	Sunday VHF/UHF Breakfast (before Aug 21, 2005 <u>ONLY</u>)	_____	@ \$17.00	\$ _____
	(ALL registrations must be paid for or postmarked by dates shown above)		TOTAL	\$ _____

Please make checks payable to: IECARO and send to: **2005 ARRL Convention P.O. 6532 Norco, CA 92860-8051**
Below information will be shown on registration badge, so please print legibly

NAME: _____ CALL: _____

NAME: _____ CALL: _____

ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____

E MAIL ADDRESS: _____ CLUB(S): _____

STAFF USE ONLY: Date: _____ Amount: _____ Check #: _____ Pins: _____ Processed By: _____



**OCARC
POTLUCK
July 30th !!**

QTH: Dan (N6PEQ) and
Kristin's (K6PEQ) home.

When: Saturday July 30th,
12:00 Noon until?

What to Bring: You, your spouse and a food item. We will have sign up's at the O.C.A.R.C. meetings and breakfasts in June and July. If you are unable to attend a meeting but would like to attend the potluck, please e-mail Kristin-K6PEQ at k6peq@comcast.net.

We will be providing hamburgers and hot dogs. We hope you will be able to come and have fun!

ORANGE COUNTY AMATEUR RADIO CLUB, INC
P.O. BOX 3454
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