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ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XVII, NO. 8

AUGUST 1976

Everything you  
always wanted to  
know about dx\*

Explained by  
Fried Heyn, WA6WZO



BUT WERE AFRAID TO ASK

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-- 1976 CLUB OFFICERS --

PRESIDENT	MARTIN RAYMOND	WB6PEX	532-4090
VICE PRESIDENT	FRIED HEYN	WA6WZO	549-8516
TREASURER	FRANK GREGG	WB6KJS	968-1450
SECRETARY	GENE ZWEIGLE	W6SNR	995-6014
ACTIVITIES	KEN KONECHY	W6HHC	541-6249
MEMBERSHIP	KEI YAMACHIKA	W6NGO	538-8942
PUBLICITY	BOB ECKWEILER	WB6QNU	639-5074
M.A.L.	ART SHELDON	WA6LHB	997-3735
	ERNIE FUERTE	WA6GXV	839-7107

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EDITOR	BOB MALLER	WB6AJV	832-6170
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- Meeting: Third Friday of each month at Mercury Savings and Loan, 1095 Irvine Blvd, Tustin, CA at 7:30 pm.
- Nets: Wednesday, 7:00 pm. 21.175 MHz CW, and 8:00 pm. 21.375 MHz SSB. All stations are welcome to check in.
- Breakfast: First Saturday of each month, 8:30 am. at Barnabys Coffee Shop, 144 S. Tustin Ave, Orange, CA.

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CALLBOOK SERVICE

The club has copies of the latest U.S. and foreign callbooks which are available at each meeting. Also you can contact Ken Konechy - W6HHC at home (541-6249) on Monday and Friday evenings between 7pm and 9pm if you need addresses. If you have more than one call for Ken to check, he'll get them all and call you back the same night. Also, you can usually catch Ken on the air after the Wednesday evening club net.

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OCARC SALTWATER FISHING TRIP

Just a note of the final plans for the Fishing trip on Saturday, September 11. You should send your money (\$14/person) to Ken-W6HHC. The boat, Cyperlurus, will depart about 5:45 AM from Dana Point. The boat is docked right next to the sporting goods store (normal place). Don't forget to bring your own lunch and drinks. There will be gathering for breakfast before the trip at Barnaby's at 3:30 AM (can you believe that?), if you can make it. See you at the dock.

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THIS MONTH'S MEETING

The cover of the newspaper tells it all. This month we will explore the domain of exotic DX. What it is and how to get it. You may think it is no different than domestic QSO's but their is a method to it. There are ways to bust through pile-ups. Have you heard of DX by appointment only? Is it possible? Attend the August meeting of the OCARC and find out.

And don't forget, Bill Reinke, KC6TC/W6 will present more South Pacific films. The American Samoan sequence of last month was great.

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SANDI'S CORNER

On behalf of the club I would like to welcome all novices and would be novices to the next meeting plus the new novice class that Nate, WA6MPI, is teaching in his home.

Now that Bob's, WB6QNU, car is old enough, it has a brand new training Bra. (Datsun 260 Z...ugh...Editor)

Judy, WA6HEL, passed her advanced and I understand her and Fred, WB6MQL, have His & Her rigs - (Fried won't even let me have my own towel).

Dick, WA6FOV, and Pepper went fishing up north in the high sierra and when they returned home a novice ticket was waiting in the mail. Her new call is W6GORW and Ozzie, WB6PEW, was one of the first to work her.

Ken, W6HHC, will be leaving shortly for a vacation back to home country - Pennsylvania. Have a nice time.

Jim, WA6LFF, got his Bicentennial WAS, number 714.

Dick, WA6TCB, is moving towers and antennas to Oregon at his new QTH. We wish you all the best and thanks again for the code practice.

Kei, W6NGO, had to come back early from Japan because his XYL had to leave the next day for Japan. I think Kei just wanted to get home with his new toy (Kenwood 820).

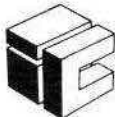
Quite a few of the club members were heard in the Bicenntenial Celebration contest: Jim, WA6LFF; Ron, WA6FIT; Bob, WB6AJV, Terry, WB6IHZ; Jay, WA6MOK; Fried, WA6WZO.

It is with very much regret that I must report the passing away of Harold, WA6BJO. Harold was a super guy that was loved by everyone that met him.

BCNU,  
88,  
Sandi; WA6WZN

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Some or all of the prizes at the meetings are provided through the courtesy of the stores listed below. Your patronage is encouraged to maintain their generosity.



( 714 ) 997-5343

GREG ELMASSIAN

**J.C. ELECTRONIC SUPPLY**

STATE OF THE ART FOR: R&D - INDUSTRY - EXPERIMENTER  
619 W. KATELLA AVE., ORANGE, CALIFORNIA 92667

931 North Euclid Avenue, Anaheim, California 92801

Walt Henry, Sr. W6ZN  
931 N. Euclid Ave.  
Anaheim, California 92801  
(714) 772-9200 / (213) 430-7997

*Henry Radio*

714/772-9200 - 213/430-7997

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THE PREZ SEZ:

The response to our newly-formed Novice Class is exceeding our expectations. It is promising to see so many people interested in becoming radio amateurs. For those who will obtain their license, I'm sure they will find it to be a worthwhile and great hobby. This will be especially better with the extended privilege a novice can enjoy.

As a representative of the club, I attended the first session and enjoyed the short talk that Nate, WA6MPI, gave on the history of amateur radio. Then Nate laid out an outline of the course he will be following as to text, etc. On behalf of the OCARC I want to express our thanks to Nate and to those members who have offered their help. It is appreciated greatly!

Coming up soon will be one of my favorite events--our Annual Auction! We are hoping to get out the word and have a good selection of goodies to go up for auction. If you have never attended the auction, please try to attend. It's a good place to pick up that wanted gear or article. And, on the other hand, if you have some things of electronic nature which you wish to dispose of, it's a good time to offer it for sale. But, mostly, it's a lot of fun!

Did you like the film last month which KC6TC/W6 presented on Samoa? You'll enjoy the one he has this month too. We will have a DX pannel in addition to the film, which should prove to be informative.

C.U. Friday, August 20th at the Mercury Savings and Loan.

"73's"

Martin

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SILENT KEY

It is with deepest regret that we record the passing of James Harold Richards, WA6BJO, our clubs TVI chairman. I remember him from the 1975 field day where he helped with the effort on 80 and 10 meters. He was one who had a generous nature and was always willing to help or at least try to.

Harold was a great person and he will be missed by all who knew him. Our deepest sympathies are extended to his family.

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OCARC ANNUAL BEACH PARTY

Put a big red circle on your calendar for Sunday, August 29. You won't want to miss the old Beach Party to be held at the Newport Dunes Aquatic Park in Newport Beach (Jamboree Road near the Coast Highway). The activities will begin a little before noon. Bring along some charcoal, some hot dogs and your trunks. Lots of swimming, frisbee or rent a peddle boat. Park in section A at the Newport Dunes and we'll see you at the water.

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CANADIAN AWARDS

The radio club of the Listowel District Secondary School is pleased to announce three attractive awards available to radio amateurs and shortwave listeners around the world.

No. 1 MAPLE LEAF AWARD

The award consists of an attractive flag parchment diploma and a lapel pin. Work 15 (class III); 25 (class II); or 30 (class I) or 50 (special plaque) different Canadian prefixes from CF, CG, CH, CI, CY, CZ, VA, VB, VC, VD, VE, VF, VG, VO, VX, VY, XJ, XK, XL, XM, XN, and the former 3B and 3C ITU allocations. Contacts must be after January 1, 1965 the year in which the Maple Leaf became the official flag for Canada. QSL's are required but should not be sent unless requested. Send a certified list only plus \$1.50 in any currency or 10 IRC to VE3LSS Radio Club, LDSS, c/o Mr. Garry Hammond, 155 Maitland Ave. S., Listowel, Ontario, Canada. N4W 2M4.

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No. 2 1976 CANADIAN OLYMPIC AWARD

There are two classes of this award. For both classes NO QSL's ARE REQUIRED.

CLASS I - Contact XJ1, XJ2, XJ3, XJ4, XJ5, XJ6, XJ7, XJ8, and XN1, XN2 for a total of ten contacts. All QSO's must be between dates of August 1, 1975 to July 31, 1976. An XJO (MM station) and/or CZ20 (Official XXI Olympiad ham station) QSO may be substituted for any missing XJ or XN prefix. Send LOG DATA and \$1.00 or 7 IRC to VE3LSS.

CLASS II - Contact each of the ten Canadian call areas, normally VE1-8 and VO1-2 during 1976 ONLY. Any authorized Canadian prefix is acceptable as long as contact was made in 1976. (eg. VE1, XL2, XJ3, VE4, etc.) A VEO or the CZ20 station may be a substitute for a missing call area. Send LOG DATA and \$1.00 or 7 IRC to VE3LSS.

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No. 3 1976 WORLD OLYMPIC AWARD

Contact any fifty (50) different DXCC countries which are inhabited between dates of August 1, 1975 to December 31, 1976. ONE contact must be a Canadian station using XJ, XN, or CZ. A special seal will be affixed if the fifty countries worked actually participated at Montreal in the Games. Country prefixes include: A, C6, CE, CO, CT1, CX, DL, DM, DU, EA, EI, EP, F, G(all), HA, HB, HBO, HC, HH, HI, HK, HL, HP, HR, HS, HZ, I, JA, JT, JY, K, KP4, LA, LU, LX, LZ, M1, OA, OE, OH, OK, ON, OZ, PA, PJ, PY, PZ, SM, SP, SU, SV, TA, TF, TG, TU, U(all), VE, VK, VP1, VP2A, VP2V, VP9, VS6, VU, W, XE, YB, YK, YN, YO, YU, YV, ZL, ZP, 3A, 3D2, 4S7, 4X4, 6W8, 6Y5, 8P6, 9H1, 9K2, 9M, 9V, 9Y4. NO QSL'S NEEDED. Send LOG DATA only and \$1.00 or 7 IRC to VE3LSS, Radio Club, LDSS, c/o Mr. Garry Hammond, 155 Maitland Ave. S., Listowel, Ont., Canada.

"RF"

ORANGE COUNTY AMATEUR RADIO CLUB

AUG. 1976

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1976 FIELD DAY

FIELD DAY CALL USED: W6ZE/6 F.D. LOCATION: USMACAS(H)

CLUB NAME: ORANGE COUNTY A.R.C. SANTA ANA  
CALIFORNIA

CHECK IF SET UP PRIOR TO  
1800 GMT ON SATURDAY

40 NUMBER OF PEOPLE  
PARTICIPATING

CLAIMED SCORE:  4496

NUMBER OF TRANSMITTERS IN  
SIMULTANEOUS OPERATION:  4

ENTRY CLASS: A (CLUB PORTABLE) POWER SOURCE: GENERATOR  
(MILITARY, GAS ENGINE, 60KW)

BAND	XMTR	DC INPUT	NO. OF QSO'S	POINTS
1. 80M CW	FT-101E	150 W	95	380
1. 75M SSB	FT-101E	75 W	236	472
1. 10M CW	FT-101E	150 W	2	8
1. 10M SSB	TS-520	200 W	54	108
1. 2M FM	MIDLAND 13-500	15 W	2	4
2. 40M CW	TS-520	150 W	152	608
2. 40M SSB	TS-520	150 W	486	972
3. 20M CW	FT-101	200 W	21	84
3. 20M SSB	FT-101/FL2100	200 W	592	1184
4. 15M CW	TS-520	180 W	64	256
4. 15M SSB	TS-520	100 W	210	420

TOTALS: (1914) (4496)

BONUS POINTS CLAIMED: 100 per cent emergency power.

THIS CERTIFIES THAT THE STATION WHOSE CALL APPEARS ABOVE  
WAS OPERATED IN ACCORDANCE WITH THE CURRENT FIELD DAY  
RULES AND THAT, TO THE BEST OF MY KNOWLEDGE, THE POINTS  
AND SCORE AS SET FORTH IN THE ABOVE SUMMARY ARE CORRECT  
AND TRUE.

7/25/76 K E K - W6HHC TRUSTEE OF CALL

FULL MAILING ADDRESS: K.A. KONECHY - W6HHC  
2201 N. Eastwood Street  
Santa Ana, California 92701

CALL FOR CORRECTIONS

Your editor must publish a new roster soon. Unfortunately he  
loses sleep at night wondering if it will be accurate. Please  
check your old roster or entry in new members columns in issues  
past and see if every part of the entry is correct. Call me  
(Bob) at 832-6170, drop me a postcard or see me at the next  
meeting if your roster entry needs updating.

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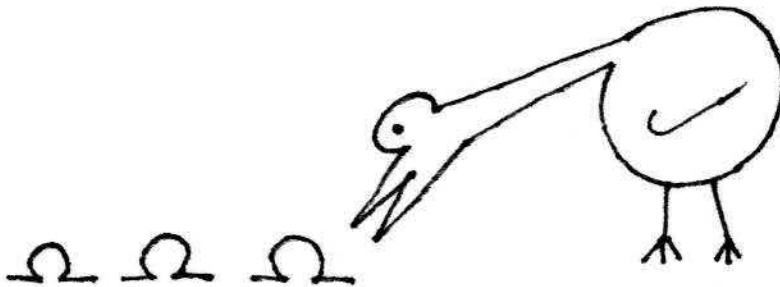
## HIGHLIGHTS OF ARRL BOARD OF DIRECTORS MEETING OF JULY 14-16.

The following highlights were felt to be of interest and were condensed from the full minutes of the meeting as provided by Jay Holladay, W6EJJ.

- The Board directed the General Manager to establish an outgoing QSL bureau at the ARRL Headquarters. Operation is to begin no later than January 1, 1977, under procedures and policies to be determined by the General Manager.
- The Board approved on a trial basis until the next regular meeting payment of out-of-pocket expenses excluding legal fees incurred by licensed League members in defending against law suits from alleged violations of zoning ordinances and interference. Reimbursements during the period will not total more than \$5,000 as determined by Headquarters and General Counsel. Considerations in determining reimbursement will be:
  1. Significant miscarriage of justice or harassment,
  2. Potential legal precedent, or
  3. Severe case of financial hardship.
 Two legal brochures are also being prepared (one for the individual amateur and one for attorneys).
- The General Manager was directed to consider the development of a film for use by IARU Societies in foreign countries to help the amateur radio position at WARC 79.
- IT WAS APPROVED THAT LEAGUE MEMBERS WILL BE EXEMPTED FROM ALL FEES PRESENTLY BEING CHARGED IN THE AWARDS PROGRAM. Hence, free DXCC, etc. for ARRL members.
- The QST editor was directed to begin a propagation column in QST which will be monthly.
- The General Manager was directed to seek data on transmitting heights versus interference susceptibility to home entertainment equipment and report results at the next meeting.
- A 160 meter DXCC was created with no endorsements available beyond the basic 100 countries. A "one-time only basis" RTTY DXCC endorsement was also approved.
- A proposal to petition the FCC to allow former amateurs to receive a license by application was sent to the Legal and Regulatory Committee for study.
- The League will petition the FCC to reduce the minimum age of volunteer examiners to 18 years rather than the current 21 years.
- The League will study the desirability of relocating W1AW in the central United States in order to better serve the membership. The 160 meter W1AW frequency was moved to 1820 kHz effective September 1, 1976.
- The ARRL will petition the FCC for Novice Class privileges on 145.0 - 145.5 MHz and 222 - 225 MHz using 50 watts, A1, A3 or F3.
- The League will undertake to add 15,000 square feet to the present location at a cost not to exceed \$800,000.
- The Board met as a "Committee of the Whole" for 70 minutes to discuss "DX Matters". Rumor mill reports suggest that the Okino Torishima issue was discussed in such a manner with the apparent result that there will be no more Okino Torishimas in the near future.

COMICS

Your editor has been searching for the one thing our club paper lacks that keeps it from the annals of the great newspapers of this land. It is obvious. We do not have a comic section. So fear not, for in this issue we obtain greatness. Below is the first and last in a series of regular comics for our paper.



OHM EATER

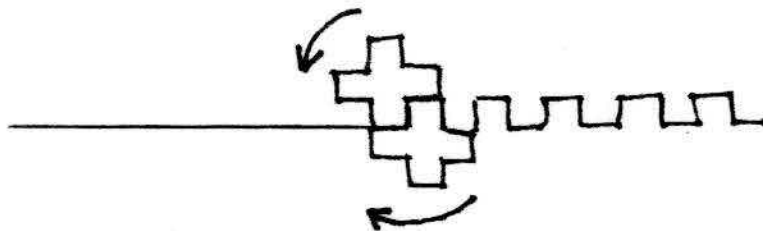
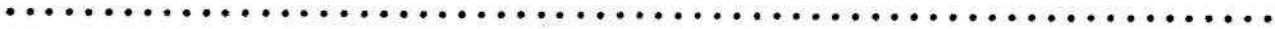


A.C.



D.C.

ELECTRIC EELS



SQUARE WAVE GENERATOR



DANGER  
100,000 OHMS



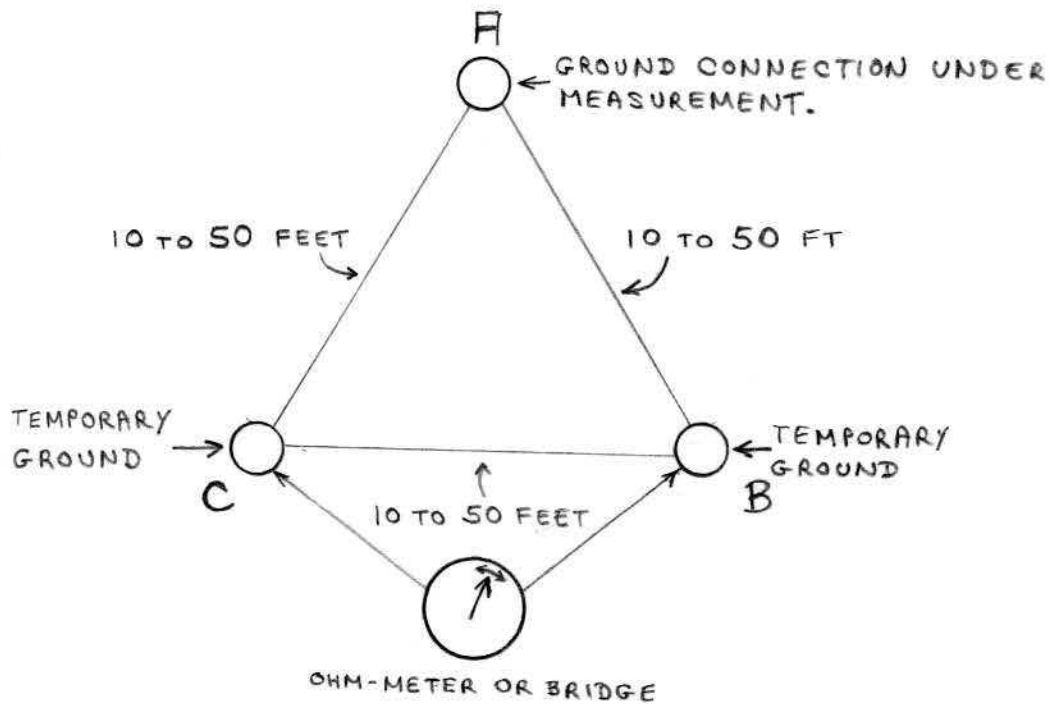
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GROUNDING

Use rods that are at least 5/8" in diameter and should be 6' long. Copper clad steel. The rods should be spaced anywhere from 10 to 50 feet on a side and all sides must be the same length. The idea is to keep on driving the rods down until it is impossible to get any lower reading between AC, AB and BC.

When you have reached the point where you no longer can lower the readings between the rods then apply the formula. The answer will be the resistance of rod "A", the one you are interested in. In other words the nearer you can approach zero resistance of course the better. Naturally zero would be ideal.

It is important to reiterate that the formula requires that the spacing of all rods must be the same.



$$R_x = \frac{R_{AB} + R_{AC} - R_{BC}}{2}$$

1.  $R_x$  is ground connection to be determined. (Point A in this example).
2. Use Ohm-meter capable of measuring to 0.1 Ohm or less.
3. Keep pounding rods in until resistance no longer gets lower from AC, AB and BC.
4. Make sure Ohm-meter or bridge contacts rods securely. (Make rods shiny where you touch clips to them).
5. Measure from A to C; A to B; and B to C.
6. If  $R_x$  doesn't come out as low as you want it, drive the deepest rod in further and repeat measurements.

"RF"

ORANGE COUNTY AMATEUR RADIO CLUB

AUG. 1976

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FOR SALE CORNER . . .

Telerex Beam. 20 meter mono band. 3 foot boom  
26 feet long.

Beautiful \$348 new. Asking \$100.

Contact Frank O'Leary, WB6TBU  
714 - 539 - 1769

ORANGE COUNTY AMATEUR RADIO CLUB, INC.

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ORANGE, CALIFORNIA 92668

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FIRST CLASS MAIL !!!

DATED MATERIAL !!!