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## ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXVII No. 9 P. O. Box 3454, TUSTIN, CA. 92681

September 1986

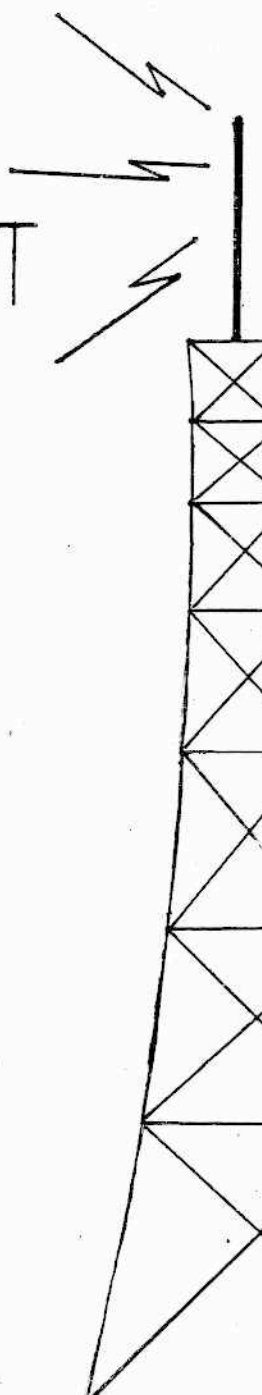
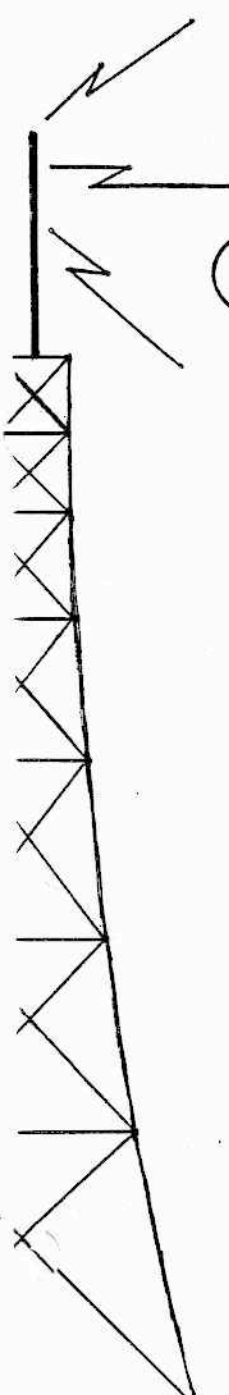
# FIELD DAY

# COAST TO COAST

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Q  
ST! Q  
ST! N6NB,  
Wayne Over-  
beck, Vice Director,  
Southwestern Division,  
will be with us to present his  
slide show, "Field Day Coast to  
Coast." Wayne is an attorney and a  
professor at both USC and Cal State Fuller-  
ton, teaching Communications Law and Censor-  
ship. His presentation will give us a chance to  
see how other Hams participate in Field Day  
throughout the country. This will be ano-  
ther goody, so don't miss it! See  
you at meeting on September 19  
at 7:30 PM! Tell a Friend!  
And bring him along  
wid you!! Come  
one! Come  
all!..QS  
T!QS  
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1986 CLUB BOARD of DIRECTORS

President	Frank Smith	WA6VKZ	492-7215
Vice President	Jim Talcott	N6JSV	838-5395
Secretary	Ken Konechy	W6HHC	541-6249
Treasurer	Jeanie Talcott	KB6E2S	838-5395
Activities Chairman	Kei Yamachika	W6NGO	538-8942
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T.V.I. Chairman	Al Watts	W6IBR	531-6245
Member At Large	Joe Partlow	KB6FZV	542-3122
Member At Large	Bob Eckweiler	AF6C	639-5074

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CLUB APPOINTMENTS

Club Historian	Bob Evans	WB6IXN	543-9111
W6ZE Trustee	Bob Eckweiler	AF6C	639-5074
R.F. Editor	Bob Evans	WB6IXN	543-9111
Teen Representative	<open>		

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CLUB FUNCTIONS

MONTHLY MEETING: 3rd Friday of each month, 7:30PM at:  
MERCURY SAVINGS & LOAN  
1095 Irvine Blvd. (4th St becomes Irvine)  
Tustin, Ca. Talk-in on 146.55 MHz

(Take the 4th St. exit to the 55 FREEWAY  
and head east. Continue about two blocks  
past Newport Blvd. on the left.)

CLUB BREAKFAST: 1st Saturday of each month, 8:00AM at:  
MIMI's CAFE  
17231 17th Street  
Tustin, Ca. (714) 544-5522

(55 FREEWAY at 17th Street east.)

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CLUB NETS

BAND	MODE	DAY OF WEEK	LOCAL TIME	FREQ MHz
2 Meters	FM	Wednesday	2100 hrs.	146.550
15 Meters	SSB	Wednesday	2000 hrs.	21.375
15 Meters	CW	Sunday	2000 hrs.	21.175

(Listen for W6ZE, net control)



## \*\*\* AT LAST MEETING \*\*\*

Plenty of delicious food greeted the hungry eyes of IBP & IBR (plus 2 visiting harmonics), BPX, Blanche, EZS & JSV, MIL, NGO, Jane, VKZ, & IXN. (Mystery: Where was AF6C and HHC?) Many topics of discussion were 'eyeballed' among the group...IXN learned all about 'diverticulitis' from experienced IBR...LJA is going into the hospital for further exploratory surgery...ULU is in intensive care after recent coronary artery repair...and a 'trivia' quiz by VKZ produced many unanswerable questions. However, here are the results: IBR scored 4, IBP 7, MIL 3, IXN 2, JSV 1, EZS 1. Then Jim, JSV, showed his excellent Field Day slides! HHC! Be sure that you try to include JSV's slides in your FD program for 1987!

Pres. VKZ then took the floor to make some announcements concerning the Club:

The Southwestern Division Convention will be held in our area, and OCARO will be looking for sponsoring clubs!!

The Queen Mary A.R.S., W6RO, is in need of operators!! Contact Chief OP, Nate Brightman, if interested.

We are in debt \$195.29 on the generator! Any ideas on methods to raise the funds will be appreciated. Bring them to Sept. meeting!

EZS announced \$273.27 in checking, and \$462.25 in savings!

Frank, VKZ, is looking for aluminum tubing from old, broken antenna parts! If you have any old antennas oxidizing in the backyard or garage, now is the time to prevail upon VKZ to get rid of them!!!

The informal meeting ended around 8:30 p.m.

## \*\*\* ON THE NETS \*\*\*

8/3 CW net - IXN logs IBR..Al & Dotty found a prospective QTH in Sunnymede. No prospects on their QTH as yet...8/6 15 m net - AF6C checks in RE, VKZ, IXN, & late-comer ULU. AF6C requests that letter for FD publicity be sent to him. VKZ sigs v. weak, abt Q/5. RE reports that LJA, Ted, is awaiting further analysis of recent medical tests. RE will be going up in the Valley to see his visiting brother from Ohio. ULU goes into Western Medical Center for the 'roto-rooter' treatment for clogged coronary arteries. RE will send ULU necessary info. for joining MARS...8/10 CW net - IXN & IBR have another chat. Both have an intestinal disease called 'diverticulitis'. Dotty not feeling well tonite. Both she & IBR still awaiting a firm offer on the QTH w/ no 1st or 2nd mortgages!...8/13 15 m phone net - AF6C reports no check-ins...8/13 2m net - IBR checks in BPX, NG7D, & RE...8/17 CW net - IXN writes to neice & forgets to QNI the net!...8/20 15 m phone net - AF6C checks in HHC, WT6A, NG7D, W6RE, IXN, and just before closing the net, NT6D, Pat. We welcome you, Pat Stewart, & hope to see you on the Wed. eve. net in the future! HHC had a great time w/ the scouts in the High Sierra, but came home & promptly got the flu! RE informed us all went well w/ ULU's plasti-angiogram. The doctors opened 4 arteries w/ a ballooned catheter & now ULU is home recuperating. RE also told us that LJA will go into the hospital Aug. 29 for exploratory surgery of his prostate gland and bladder. And WB6GDZ, Wil, had a needle biopsy of his prostate gland, results unknown at this time. IXN informed the group that the largest earthquake in California history occurred along the Owens Valley branch of the Sierra Nevada fault in 1872. Two Great Earthquakes of 1857 & 1906 occurred along the San Andreas fault. HHC did not feel the 5.6 magnitude quake 10 mi. NW of Bishop on the White Mountain fault, but W6TA was in Lone Pine, CA., & did feel the shaker! RE informs the group that the Japanese Amateur Satellite was launched at 21:47 UTC Aug. 12. At a beacon frequency of 435.795 MHz at 20 wpm CW telemetry, uplink ranges from 145.900 to 146.000 and downlink from 439.900 to 435.800. Note that  $145.900 + 435.900 = 581.800$ , and that  $146.000 + 435.800 = 581.800$ ! Therefore, the SUM of your uplink frequency + your downlink frequency must



always = 581,000 MHz. The transponder is open for utilization. Why not join us on Wed. eve.'s & get the news first hand!!!...8/20 2 m net - IBR checks in NG7D, BPX, HHC, RE, & AF6C. Gud turnout, OMs!...8/24 CW net - IXN checks in IBR & IEH, Karl Harder. Al & Dotty have another gud prospect on the QTH! IEH changes jobs, leaving Phillips Petroleum to work for Shell Oil as a maintenance man. Getting lots of overtime cuts down on IEH's flying time...8/27 15m phone net - AF6C, IXN, & RE discuss late news - LJA's upcoming surgery on Aug. 29 - NGO's XYL having had surgery & doing well in St. Joseph Hosp. - AF6C receives 3 QSLs from SWLs..AF6C will send QSLs in acknowledgment...8/27 2m net - IBR checks in RE & BPX...8/31 15m CW net - IXN checks in IBR and IEH. IBR gave a quickie rundown on the DC-9/small aircraft collision over Cerritos, CA., & also reports 2 mtr check-ins for 8/27. Al also tells IEH that he will contact him abt the TVI problem. IEH just got home from work & he will call Al tonite on the twisted pair as Karl must work tomorrow.

\*\*\* MEDICAL ALERT \*\*\*  
By Joe (N6KRF)

The following special alert is reprinted in the interests of keeping our members aware of a highly contagious condition which is currently sweeping some parts of the country. If it strikes here, OCARC will be ready!

In keeping with our excellent school health policies, we find it necessary to update our information on an uncomfortable, but seldom fatal, condition—head lice.

You might suspect an infestation of lice when:

- a child's hat comes to school by itself.
- a child's hair is waving in the breeze, only there is no breeze.
- after running your fingers through a child's hair, you find your inch-long fingernails have been bitten off.
- you hear tiny voices singing "For She's a Jolly Good Fellow" coming from the earphones you just wiped off with alcohol.
- you notice that Johnnie's hair, which was parted on the left, is now parting itself on the right and/or middle.
- a child gets his comb out of his pocket by opening the pocket and calling "Here Boy!"
- you notice that Susie's animal barrettes have arranged themselves into a circus parade.
- you pat a child on the head and a tiny voice yells "keep you hands to yourself, buster!"
- you notice insectivourous birds perched frequently on a child's head.
- a child's hair stands on end when he or she passes under a "no-pest insect strip".
- an angry buzzing sound is heard when a child's hair is disturbed.
- frogs and toads are frequently seen with tongues entagled in a child's hair.
- a child shows more than 5-6 lbs. weight variation after being sprayed with insect fogger.

Steps to Take:

1. Instruct infected students to use the pronoun "we" instead of "I".
2. Suggest more appropriate synonyms when students refer to a teacher as "crabby".
3. Consult Ortho Garden Book for shampoo available.
4. Do not allow students to become emotionally attached to small pets that they might find on other kids' scalps and shoulders. In particular, discourage the use of pet names, such as Spot, Lassie...
5. Under no circumstances allow child to come closer than 20 ft. to electronic bug zappers, to prevent child from being sucked in and electrocuted.
6. Arrange for Orkin man to be in the area every Tuesday to spray heads.
7. Discourage use of curling iron, as hard-boiled cootie eggs have an offensive odor after 7-10 days.
8. All personnel should be aware that Nits and Parasites is not a rock group.

(Tnx, WCARC Intermod)

\*\*\* BE PREPARED!!! \*\*\*

October meeting! AUCTION!! Been looking over the gear, antennas, etc., that you want to put on the auction block? Think about it. Then look over the auction rules in this, and next month's 'RF' and 'semper paratis'!!

ORANGE COUNTY AMATEUR RADIO CLUB, INC.  
P.O. BOX 3454  
TUSTIN, CA. 92681

AUCTION RULES  
&  
INFORMATION

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PROCEDURES:

BUYERS:

- register
- receive bidder's card
- show card when bidding

SELLERS:

- register
- receive seller's tags
- pay entrance fee
- indicate minimum bid

AUCTION:

Items for auction will be offered in numerical sequence of sellers up to five items at a time per seller.

FEEES:

BUYERS:

None

SELLERS:

- \$3.00 entrance fee
- 10% of item to a maximum of \$8.00 per item

MISCELLANEOUS:

Minimum bid is \$1.00. If item is not worth \$1.00, please make a grab bag of several items.  
 Sellers wishing to describe item should do so on a suitable sized paper, taped to the item in order to aid the auctioneer in selling your item.  
 Personal checks accepted at the option of the seller.

LOCATION:

Mercury Savings & Loan Bldg.  
 1095 Irvine Blvd.  
 (100 yards East of intersection of Newport Blvd. & Irvine Blvd.)

ADDITIONAL INFO: 639-5074



CQ YL

by Shelly Cretti, KA3MYQ

Last year during a casual QSO, I worked W2QHH, Howy Bradley. From Howy's standpoint, however, the QSO went from "casual" to "not so casual" when he discovered I was a YL. For explanation's sake, W2QHH is an avid YL hunter/contester, who holds the record for the world's first WAC/YL, WAS/YL, and DXCC/YL, and is now in pursuit of a 3550 sticker for his YLCC certificate. I could not resist in helping this real "girl watcher". After all, what man would have so much patience with all of those women?

Perhaps, like Howy and me, you may be interested in knowing wh YLCC certificate. I could not reat they're up to. There are several sure-fire ways to find a YL:

1. During YL ACTIVITY DAYS, which is held on the 6th day of each month, you may find a YL at any frequencies ending in 33 for a CW QSO or at any frequencies ending in 88 for a PHONE QSO.

2. As listed in the YLRL DIRECTORY, you may hear a YL on any of these popular nets:

DAY/TIME	FREQ.	NAME OF NET
Daily 1600	14.332	YLISSB
	1600	14.336 County Hunter
	1700	7.261 SPARCYL
MON 0100	3.835	CQties
	1300	3.950 Buckeyes
	1300	7.260 Shirts/Skirts
TUES 0030	7.275	YLISSB
	0030	3.961 SPARCYL
	1800	14.295 QCWW
WED 0000	3.972	Buckeyes
	0030	7.275 YLISSB
	1800	14.288 Open House
THUR 0100	3.835	CQties
	0100	3.926 YLISSB
	1800	14.295 Tangle Net
FRI 0030	7.275	YLISSB
	1400	7.270 Midwest YL
SAT 0300	14.332	YLISSB
	1400	3.910 Hawk Roost
SUN 0030	7.275	YLISSB
	1430	3.990 West Pennies

NOTE: After writing this article W2QHH, Howy Bradley, was featured in the July 1986 issue of QST on page 57. He truly is a super ham, who just happens to take a special interest in YL's.

( frn QCARC Parasitic Emmission)

SPEAKING OF PACKET...Steve Fine has his packet station at the last club meeting and using the 76 repeater antenna and 30 watts was seeing what is available from the repeater site. He had many fasinated watchers to help him think up comments for those he worked from the mountaintop. All this sparked some conversation about how the normal ham lingo doesn't fit with packet and RTTY. Since packet is only displayed on the screen if a good transmission is received it kind of makes the signal report hard to word. Do you say "your typing is very clear" or "I read you 40 characters wide" or "you're 40 by 20 (characters)"? 5 by 9 just didn't seem right. And when signing do you say "type to you later"? When someone asked what was happening at one point in watching the screen he was given the answer that the station we were watching on the screen was disconnecting from himself. This prompted the comment that that sounded obscene. When the band is very busy is it a "Packet flurry"? Also at field day this year I got a chance to watch Jim Mankin, KB3KJ operate packet for field day. It at least provides the opportunity to rest your ears and voice. No worn throats shouting "CQ Field Day", but I suppose his eyes get tired watching the screen and if lots of activity your fingers get tired on the keyboard. (frn NARC NEWSLETTE)

\*\*\* ELECTIONS \*\*\*

Been thinking about it, OPs!? Board of Directors must be once more elected in November! Now is the time to ask your favorite choice if they will serve! Want to accomplish your favorite projects?! Run for office! Serve on the Board! Go for it!!



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## SOMETHING TO DO ON A RAINY DAY

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How often have you picked up a filter choke out of your junk box and wondered what it's value was? If only I had some idea what it's value was, I could design that super duper deluxe power supply. You probably checked the DC resistance, scratched your head and pondered several world problems before carefully returning it to the junk box only to await another world problem to solve.

Well here is a way that you might be able to use your junk box filter choke in your next project. All you need is an AC voltmeter, a composition resistor of say 1000 ohms and an AC power supply. I don't have an AC power supply you say. Well how about that 6.3 volt filament transformer down there in the corner of the junk box? Now that we have all of the stuff, let's get started.

This process is based on Ohm's Law for AC circuits where impedance is substituted for resistance. ( $E=IZ$ ,  $I=E/Z$ ,  $Z=E/I$ .) You will also need the formula  $XL = \sqrt{Z^2 - R^2}$ . Now, all ya gotta do is, measure the resistance of the unknown choke with your ohmmeter, then connect the choke in series with that 1000 ohm resistor. Next apply the 6.3 vac from the filament transformer to the ends of the RL network. Now with your AC voltmeter, measure the voltage across the resistor.

With this new found information one can now calculate the AC current flowing in the circuit. Now measure the voltage across the choke. When you know the AC voltage across the choke and the current flowing through it, the impedance at 60 hertz can be found by using the formula  $Z = EI$ . Now that we know the impedance and the DC resistance we can use the formula  $XL = \sqrt{Z^2 - R^2}$  to find the reactance. Next divide XL by 377 to find the inductance.

While we're on a roll, let's calculate the Q of the choke with  $Q = XL/R$ . This may be useful if you are going to build an audio filter. By the way  $377 = 2\pi f$  where  $f = 60$  hertz. There is one catch - this process gives us what is called the Zero-DC-Current inductance. For the purpose of audio filters this is fine. However for power filtering with DC flowing through the choke, the value will probably be about 40% less. With this problem solved we can now pour another cup of coffee and ponder more complex world problems, like fishing, water skiing, etc.

(frm The Fort Venango Mike & Key Club 'KEY CLICKS')

HAVING TROUBLE WITH LOCAL ZONING/TOWER HEIGHT ORDINANCES? - ARRL HQ has put together a "PRB-1" package which consists of a copy of PRB-1, model antenna ordinances, general information about Amateur Radio, names and addresses of local ARRL volunteer Counsels and other information useful in the battle against unduly restrictive antenna ordinances. For a copy, send \$3.00 (for postage) to HQ requesting the PRB-1 package.

(frm Mt. Airy VHF Pack Rats' 'CHEESE BITS')

\*\*\* QUICKIES \*\*\*

Old aluminum tubing or other antenna parts lying abt the garage or shack? Want to get rid of them? Call Frank Smith, VKZ, at 492-7215, or see him at meeting!

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ORANGE COUNTY AMATEUR RADIO CLUB

P. O. BOX 3454

TUSTIN, CA. 92681

FIRST CLASS!