



R F

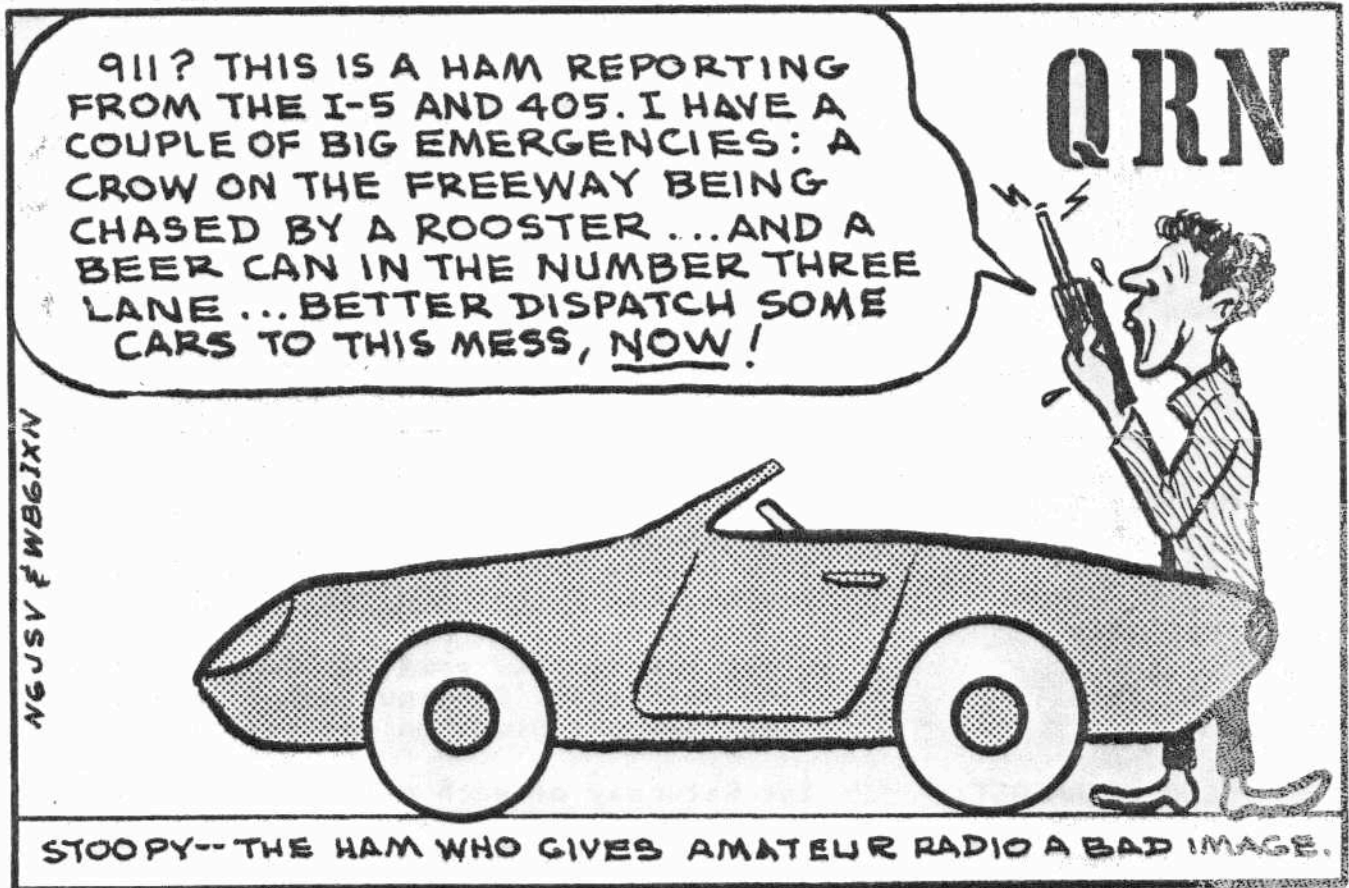


ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXVIII No. 4

P. O. Box 3454, TUSTIN, CA. 92681

APRIL 1987



Why do law enforcement and other emergency services become perturbed at some amateur highway emergency calls? What are roadside emergencies and how should hams report them? Not one club member should miss April meeting as we listen to Gene, KB6CMO, and Grant, KB6IYK, educate us on the 'DO's and 'DON'T's for effective Roadside Emergency Communications! Gene handles between 35 and 50 roadside emergency calls per month on a 2 meter repeater at 145.400. He is Emergency Coordinator for Area 2, and is heavily involved in public service through amateur radio.

Grant monitors CB emergency channel 9, logging about 3,000 hrs. a year! He handles between 70 and 100 emergency calls a month, over half of which are on 2 meters. Grant is Communications Officer for La Habra REACT, and also Assistant Emergency Coordinator for Buena Park. Come one! Come all! Don't miss this one!

XX

1987 CLUB BOARD of DIRECTORS

President	Jim Talcott	N6JSV	838-5395
Vice President	Lloyd Harwood	WB6ULU	538-7081
Secretary	Jeanie Talcott	KB6EZS	838-5395
Treasurer	Ken Konechy	W6HHC	541-6249
Activities Chairman	Ron Toering	KB6EZP	971-5180
Membership Chairman	Bob Eckweiler	AF6C	639-5074
Public Relations	Mac MacInnes	W6MIL	594-0442
T.V.I. Chairman	Frank Smith	WA6VKZ	492-3218
Member at Large	Kei Yamachika	W6NGO	538-8942
Member At Large	(Past President holds another position)		

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>		

XX

CLUB FUNCTIONS

MONTHLY MEETING: 3rd Friday of each month, 7:30PM at:
MERCURY SAVINGS & LOAN
Apr 17th 1095 Irvine Blvd. (4th St becomes Irvine)
Tustin, Ca. Talk-in on 146.55 MHz

May 15th
Jun 19th (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:
LE GRAND CAFE
May 2nd 2525 N. Grand Avenue
Santa Ana, Ca. (714) 997-5393
Jun 6th (1-1/2 blocks south of 22 FWY.)

XX

CLUB NETS

BAND	MODE	DAY OF WEEK	LOCAL TIME	FREQ MHz	OPERATOR
2 Meters	FM	Wednesday	2100 hrs.	146.550	W6HHC
15 Meters	SSB	Wednesday	2000 hrs.	21.375x	AF6C
15 Meters	CW	Thursday	2000 hrs.	21.175x	WB6IXN

(Listen for W6ZE, net control) *Plus or minus QRM

*** THE U.S. AMATEUR BANDS ***

Power for all license classes is limited to 200 W in the 10,100-10,150 kHz band, and in all Novice subbands below 28,100 kHz. Novice/Technicians are restricted to 200 W in the 28,100-28,500 kHz subband, and, Novices are restricted to 25 W in the 222.1-223.91 MHz subband, and 5 W in the 1270-1295 MHz subband:

160 METERS (1800-2000 kHz)

Extra }
Advanced } CW, VOICE, SSTV, FAX, & RTTY
General }

80 METERS (3500-4000 kHz)

Extra 3500-3550 CW, RTTY

3750-4000 CW, VOICE, SSTV, & FAX
Advanced 3525-3750 CW, RTTY

3775-4000 CW, VOICE, SSTV, & FAX
General 3525-3750 CW, RTTY

3850-4000 CW, VOICE, SSTV, & FAX
Novice/Tech 3700-3750 CW only

40 METERS (7000-7300 kHz)

Extra 7000-7150 CW, RTTY

7150-7300 CW, VOICE, SSTV, & FAX
Advanced 7025-7150 CW, RTTY

7150-7300 CW, VOICE, SSTV, & FAX
General 7025-7150 CW, RTTY

7225-7300 CW, VOICE, SSTV, & FAX
Novice/Tech 7100-7150 CW only

30 METERS (10,100-10,150 kHz)

Extra }
Advanced } CW, RTTY
General }

20 METERS (14,000-14,350 kHz)

Extra 14,000-14,150 CW, RTTY

14,150-14,350 CW, VOICE, SSTV, & FAX
Advanced 14,025-14,150 CW, RTTY

14,175-14,350 CW, VOICE, SSTV, & FAX
General 14,025-14,150 CW, RTTY

14,225-14,350 CW, VOICE, SSTV, & FAX

15 METERS (21,000-21,450 kHz)

Extra 21,000-21,200 CW, RTTY

21,200-21,450 CW, VOICE, SSTV, & FAX
Advanced 21,025-21,200 CW, RTTY

21,225-21,450 CW, VOICE, SSTV, & FAX
General 21,025-21,200 CW, RTTY

21,300-21,450 CW, VOICE, SSTV, & FAX
Novice/Tech 21,100-21,200 CW only

12 METERS (24,890-24,990 kHz)

Extra }
Advanced } 24,890-24,930 CW, RTTY
General } 24,930-24,990 CW, VOICE, SSTV, & FAX

10 METERS (28,000-29,700 kHz)

Extra }
Advanced } 28,000-28,300 CW, RTTY
General } 28,300-29,700 CW, VOICE, SSTV, & FAX

10 METERS (cont'd)

Novice/Tech 28,300-28,500 CW, & SSB

6 METERS (50.0-54.0 MHz)

Extra	}	50.0-50.1	CW only
Advanced			
General			
Technician			
		50.1-54.0	CW, VOICE, SSTV, FAX, & RTTY

2 METERS (144.0-148.0 MHz)

Extra	}	144.0-144.1	CW only
Advanced			
General			
Technician			
		144.1-148.0	CW, VOICE, SSTV, FAX, & RTTY

1.25 METERS (220.0-225.0 MHz)

Extra	}	220.0-225.0	CW, VOICE, SSTV, FAX, & RTTY
Advanced			
General			
Technician			
Novice		222.1-223.91	CW, VOICE, SSTV, FAX, & RTTY

70 CENTIMETERS (420.0-450.0 MHz)

Extra	}	420.0-450.0	CW, VOICE, SSTV, FAX, & RTTY
Advanced			
General			
Technician			

33 CENTIMETER (902-928 MHz)

Extra	}	902-928	CW, VOICE, SSTV, FAX, & RTTY
Advanced			
General			
Technician			

23 CENTIMETER (1240 - 1300MHz)

Extra	}	1240-1300	CW, VOICE, SSTV, FAX, & RTTY
Advanced			
General			
Technician			
Novice			
		1270-1295	

*** ON THE NETS ***

3/4 15m phone net- IXN calls W6ZE, who comes back surprisingly well QRP! Bob asks IXN to assume net control. W6ZE checks in IVP, NG7D, MZM, & AF6C. Although EUO was in there remote, we cud not hear him! ULU's XYL is attending the funeral of her mother, so ULU is batching it for the remainder of the week. 3/5 15m CW net - IXN involved in emergency plumbing! 3/4 2m phone net- HHC checks in BPX, AF6C, ULU, & RE. Alex runs the Westlink tapes, & HHC gets a new toy, the Apple 2GS computer wid 500K RAM expandable to 8 MegB! HR Sattelite Bulletin #54 was discussed, also the WB6YMH digipeater Bulletin Board at 145.36 were mentioned. 3/11 15m phone net- IXN calls W6ZE. No response, so IXN assumes net control. Checkin in were NG7D, IVP, COJ, AF6C, MZM, & RE. NG7D is looking fer a tape recorder wid control button on the mike. IVP just heard abt a series of earthquakes in Ecuador. COJ is heading fer England, & he will be trying to contact Club members between 7 & 9am local, on 14.245 MHz. MZM has been hearing Pacific stations on 20m. NG7D offers service as a VEC for OCARC upcoming Novice/Tech class. AF6C is operating QRP to limit TVI. IXN will have AF6C & HHC demonstrate HHC's packet station in near future. RE joins us late. He was on MARS net wid traffic fer Japan. RE reads ARRL Bulletin #20 dtd 2/25. The Office of

Management & Budget has approved the new Form 610 which requires 2 VECs for Tech & up to receive credit for examination. Until the new 610 is available, both VECs will sign the old Form 610. 3/12 15m CW net - IXN checks in John, WA6RND, who joined OCARC at last meeting! LAB, on the side, follows RND. RND's QTH is only a few blocks north of ULU's QTH RND & IXN both have 757s, but all 3 OPs have different antennas! COJ then calls LAB on the 'twisted pair', abt an antenna relay. RND, IXN, & LAB 73, IXN to work on a code machine, & LAB to work on his homebrew linear. 3/18 15m phone net- IXN takes net control to check in MZM; ULU; LAB; RND; N6DBF, John; OVU; & old timer, WB6BZW, Jim, a former Club member frm 1977 thru 1980! Nice to have DBF & BZW wid us & hope they'll return next Wed! ULU told us abt Fri. eve's program. April, WA6OPS, will substitute fer 'Corky', & she will talk abt amateur radio operators in emergencies. DBF discusses cable TVI wid us, & LAB tests his new 40m linear in contact wid N2GBU in NY. RND discovers location for General Dynamics Swap Meet to be Rancho Cucamonga, at the plant. MZM, OVU, ULU, & IXN all discuss TVI & grounding, etc., wid the rest of the gang. 3/18 2m phone net - HHC checks in JSV, ULU, RE, & AF6C. JSV surprises HHC wid a booming sig frm his new 'Ringo Ranger' ant, a blessing considering the QRN frm a houseful of teenagers at HHC's QTH! RE played the Westlink tape & AF6C's long (60 hr) work week at Douglas rounded out the net topics. (Where was BPX?) 3/19 15m CW net - IXN checks in RND & LAB. LAB runs successful experiment wid his new coax. He will try 100 W on 40m too see if he has cleaned up TVI. IXN will take TVI data to Club meeting Fri. eve. RND has 2m in camper. RND 73's to do some chores. IXN closes net and calls LAB on landline to discuss TVI further. 3/25 15m phone net - IXN joins net late. AF6C passes net control to IXN. W6ZE checks in AF6C, LAB, RND, NG7D, IVP, & MZM. Wow! We have 4 'Johns' on the net! (no naughty thoughts, please!) What happened to all the Bobs?! AF6C reminds IXN abt roster fer April 'RF', AND THE DROPPING OF OM's WHO HAVEN'T PAID DUES FRM THE 'RF' ROSTER!!! RND has enrolled in 2 computer courses at Orange Campus. John has a 500XT 640 KRAM computer! A chinchilla 'Easter Bunny' claims the QTH of NG7D! John also gave us an update on VECs, & novices using the 10m freqs. Seems that 2 OP's, General or higher, (no monetary gain involved!) may give Novice (but not Technician) tests. MZM joins us after karate class, & IVP, after quizzing NG7D abt new novice freqs., tells us abt western Pacific openings on 15m during the 3/24 late afternoon thunderstorm! LAB is thinking abt a '2 tube' linear now. Stay tuned on the net as we follow the episodes of "Linear Amplifier Breeding", & pick up on John as he conceives & goes into 'labor' wid this new 'baby'! 3/25 2m phone net - (via JSV)..HHC checks in JSV, AF6C, RE & welcomed WA6BRD, Mark, in Fullerton, to the net. Nice to have you wid us, Mark! The OP's reminisced abt the early days of TV & radio; listening to KDKA, Pittsburgh, on crystal sets, etc. JSV drew a cartoon of the announcer on KFI TV in the late '30s. And JSV has a tape of Channel 5's 40 yr. celebration. RE also played the Westlink tape. 3/26 15m CW net - IXN checks in NG7D, RND, LAB...this is truly a 'John' net! NG7D informs us abt KD6XO's XYL having been injured in an accident wid the horses. She has been in the hospital wid a concussion & a slight memory loss. LAB checks in slightly off freq. Kei, NGO, was heard on 15m phone 3 times last week. Work & computer classes have kept RND busy, and LAB tested the power xformer (750 W to a dummy load) & it ran 'as cool as a cucumber'!

*** MARCH MEETING OF 3/20/87 ***

Meeting was called to order at 7:30pm by President, JSV, who led in the salute to the flag.

Roll call by Secretary, EZS, showed all board members present except Mac, MIL, and Frank, VKZ. Minutes of last meeting were not read, as they were printed in the RF.

(March Meeting Minutes cont'd)

A fine program was presented by April Moell, WA6OPS, Amateur Radio Emergency Services. Her presentation consisted of many questions and answers, plus intermittent slides showing the many different areas of need in hospitals in the event of any type of emergency situation. Her presentation was titled "Hospital Communications". She showed in her program that a good ham does not necessarily make a good emergency volunteer. A good volunteer in an emergency situation needs to be prepared - before the emergency arises. A good volunteer needs to be professional, self-sufficient, reliable, able to take directions, and work well within the framework of the overall network of persons involved.

Some of the highlights of equipment were as follows: It needs to be portable and flexible. A headset is essential for both confidentiality, and ability to hear and understand in the midst of the noise and confusion of an emergency. A portable station is a big help. 220 does significantly better in an emergency than 2 meters. Also, a base station away from area is very much needed.

We were given many abbreviations of terms that we need to be familiar with such as MCI, (Mass Casualty Incident); ICS, (Incident Command System); DON, (Director of Nurses); etc.. There are a total of 38 hospitals in Orange County; 27 are currently involved with hams in some type of Hospital Disaster Support Groups.

April invited anyone who was interested in attending an indoctrination session to contact her. She believes that we need to be willing to perform a real public service in order to justify our special privilege of being hams. The program lasted one hour and was both interesting and challenging.

Bob, IXN, awarded raffle tickets to Bob, AFC, and Jim, JSV, for their contribution to the content of the RF. He invited all other members to contribute and win tickets in the future. Bob, IXN, also invited members having problems with TVI to call him and he will research the problem for them. He also mentioned that the new Novice Enhancement program was started tonight.

Chris, K6IMP, will be standing by on 14.300 MHz, at 7pm local time on Wednesday evenings hoping to contact members of the Club from the Pacific, where he is currently serving a tour of duty.

Everyone is encouraged to spread the word about our Novice/Tech class, beginning on May 2, at Sears Savings on Irvine Blvd. Ron, EZP, will be teaching theory and BOB, IXN will be teaching code.

All members are invited to join in at the Club breakfast held at Le Grande Cafe, 2525 N. Grand Ave. S.A., on the first Saturday of the month at 8am.

Meeting was turned over to Ron, EZP, for the raffle at 9:15. Adjourned at 9:30. 22 persons were present at the meeting.

Respectfully submitted, Jeanie, EZS, Secretary

*** MINUTES OF THE OCARC BOARD MEETING, 4-4-87 ***

Roll was called and the following Board members were present: Jim, N6JSV; Lloyd, WB6ULU; Ron, KB6EZP, Kei, W6NGO; Frank, WA6VKZ.

1. Field Day was discussed in detail. Dick, W6VQL, believes he can get a site in the vacant field at The City, Orange. If so, we may invite the Beach Cities Club to join us there, rather than we to go to San Clememte. This would also be more convenient for our

(Minutes of OCARC Board Meeting cont'd)

Novice Class students to see a Field Day in action. The date is June 27-28, with our regular pre-planning meeting on June 19.

2. The Novice Class is shaping up, with several prospective students resulting from EZP's excellent display at the TRW Swapmeet. Students will be given a code oscillator kit to assemble as part of their class fee. Those students going for a Tech license will be given additional instruction on theory. EZP and ULU will investigate the conversion of SSB CB units for use on 10 meters, as low-cost rigs for getting started in Ham Radio.
3. Board members will call all dues-unpaid members to see if they want to continue as Club members. 13 members are unpaid for 1987.
4. A partial Treasurer's report was given by JSV in HHC's absence. There is \$470.77 in the checking account.
5. ULU announced the proposed speakers and programs for the April, May and November regular meetings.
6. Ten were present for the breakfast at the Le Grande Cafe. The following Board meeting was adjourned at 9:50 a.m.

*** IT'S ONLY A FEW DB ***

I propose a new unit for use in discussions of price of amateur radio equipment: the DBkilobuck, or DBk, for short! Zero DBk is \$1,000, and the conversion from the conventional notation is:

$$\text{DBk} = 10 \log (P/\$1,000)$$

Think how this will facilitate communication between hams and their non-ham spouses! Instead of a TS-940 costing \$2,000, it is only 3 DBk! A typical TNC-2 clone, listing at \$219.95 is now a palatable -6.58 DBk!! (The minus sounds like you are getting something back.)

With a logical extension of this plan, your 18% APR on the plastic money you use to purchase ham gear is now a piddling 0.7 DBk, and no ham ever worries about anything less than 1 DB! (DE N4KTY)

*** COMPUTER LINGO EXPLAINED ***

6502 - The year in which your new computer system will be paid for.

BASIC - A computer language used to generate errors.

CPU - C3PO's mother.

CRASH - Normal termination of a program.

CASSETTE DRIVE - Used as a paperweight after buying a disk drive.

EPROM - Acronym for "Exit Program Read Owner's Manual".

DIM ARRAY - Stupid storage.

GO SUB - Very fast U-boat.

GIGO - "Garbage In-Garbage Out" Normal result of a computer program.

INPUT - Statements that refuse all entries.

KEYBOARD - Random arrangement of letters.

LED - Long Expected Defect. (frm QSP, via NARC Newsletter)

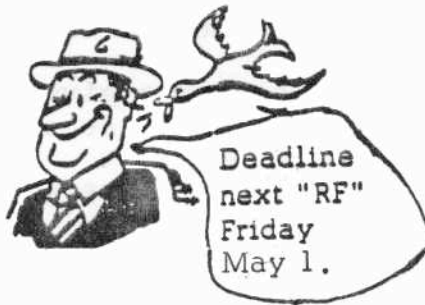
(714) 871-7000 MIKE NASH

Industrial Electronics Inc.

Industrial Electronic Parts 232 Orangefair Mall
Fullerton, CA 92632

NOVICE/TECH LICENSE CLASS !!!

Get that long awaited Novice/Tech license!! Join us May 2nd at Sears Saving Bank, corner of Holt & Irvine in Tustin, 9:00 am to 12 noon. Both code & theory instruction will be included. ..././/-.--/---/..-//
-/././.-././!!



PAGE 8

ORANGE COUNTY AMATEUR RADIO CLUB

P. O. BOX 3454

TUSTIN, CA. 92681



FIRST CLASS!