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ORANGE COUNTY AMATEUR RADIO CLUB

VOLUME XXIX NO. 7

P.O. BOX 3454, TUSTIN, CA 92681

JULY 1988

**THE JULY PROGRAM
IS ON SPARK GAP
TRANSMITTERS !!!**

**PRESENTING:
BERT AYRES W6CL**

**7:30 PM
FRIDAY JULY 15TH**

1988 CLUB BOARD of DIRECTORS

President Ken Konechy W6HHC 541-6249
 Vice President Ron Toering KB6E2P 971-5180
 Secretary Mark Stanford N6QMW 991-7398
 Treasurer Frank Smith WA6VKZ 730-7142
 Activities John Roberts WA6LAB 540-7368
 Membership Chris Breller KA6IMP ..(213)866-2077
 Public Relations Lu Hurlbut K1YZG 832-8386
 T.V.I. Chairman Kei Yamachika W6NGO 538-8942
 Member at Large Jim Talcott N6JSV 838-5395
 Member at Large Will Galusha WB6GDZ 897-3376

CLUB APPOINTMENTS

Club Historian Bob Evans WB6IXN 543-9111
 W6ZE Trustee Bob Eckweiler AF6C 639-5074
 R.F. Editor (ACTING) Ken Konechy W6HHC..... 541-6249
 Teen Representative <open>

CLUB FUNCTIONS

MONTHLY MEETING: 3rd Friday of each month, 7:30PM at:
 MERCURY SAVINGS & LOAN
 JUL 15th 1095 Irvine Blvd. (4th St. becomes Irvine)
 Tustin, CA. Talk-in on 146.55 MHz
 AUG 19th
 SEP 16th (Take the 4th St. exit of the 55 FREEWAY
 and head east. Continue about two blocks
 past Newport Blvd. It's on the left.)

CLUB BREAKFAST: 1st. Saturday of each month, 8:00 AM at:
 LE GRAND CAFE
 AUG 5th 2525 N. Grand Avenue
 Santa Ana, CA. (714) 997-5393
 Apr 2nd (1-1/2 blocks south of the 22 Freeway)

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	WB6IXN
15 Meters	CW	Thursday	2000 hrs.	21.175X	KB6NAX

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

ARES DISTRICT NET

2 METERS FM MONDAY 1830 HRS 146.580 (S) WA6VKZ

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".....the PREZ SEZ...."

by KEN/W6HHC

YOU DID IT!!!!

My score for the OCARC 1988 FIELD DAY effort is that it was a complete success!!!!

WOW! We produced almost 1500 contacts at FIELD DAY this year. That isn't too bad at all. And we had GREAT participation, over 35 HAMS signed into the LOG BOOK or visited us at the site. Having good participation means that the work is spread around and not just on the shoulders of a few people.

Everyone came out to help. To name just a few people, we had seasoned "PRO's" like KEI/W6NGO, BOB/WA6IXN, BOB/AF6C, and FRANK/WA6VKZ; Field Day Regulars like BOB/WT6A, CHRIS/KA6IMP, ALEX/W6RE, JIM/N6JSV and JACK/N6UC; as well as relative newcomers to Field Day like CARL/KB6WLO, MARK/N6QMW, LU/K1YZG, and KEN/KI6DK. It was a great team of people to have working for the OCARC!

No doubt about it....this field day was a lot of fun. But, when I stepped back to look at what was really going on at FIELD DAY, I was really impressed. Our OCARC was doing all the right things that are necessary in order to provide "REAL EMERGENCY COMMUNICATIONS" if there was a real need!!

We had emergency power, portable antennae, portable stations, and (most important) skilled operators who had the skills to provide the team work to make it all happen!!!! We were having fun at the 1988 FIELD DAY, but if there is a genuine need, I have no doubt that the OCARC can be a valuable asset to any community. And that is exactly what Field Day should accomplish!

On a related topic, the City of Santa Ana is in the process of reorganizing a RACES/ARES organization to provide emergency communications. This renewed interest by Santa Ana is due the efforts of DAVE/WA6PMX and CORKY/N6HQI of RACES. I have agreed to become the Assistant Emergency Communications Manager assigned to the city of Santa Ana. I am looking for other HAMS within Santa Ana who would be willing to help with city emergency communications planning. If you are interested, please give me a call at 541-6249. If you don't live in Santa Ana, but would like to help in providing Emergency Communications, then I recommend joining ARES by contacting Frank/WA6VKZ at 730-7142.

.....de KEN/W6HHC

The ARRL Letter, Volume 7, Number 12: June 21, 1988

Published by:
 The American Radio Relay League, Inc.
 225 Main St.
 Newington, CT 06111

Editor:
 Jay Mabey, NU0X

PHASE 3C IS NOW OSCAR 13!!!

Amateur Radio celebrates the birth of a new star. Phase 3C has become AMSAT OSCAR 13. The launch was carried live by W1AW, and occurred at 11:19:04 UTC on June 15.

The newest AMSAT satellite came to life right on schedule two hours and 50 minutes after a picture-perfect launch, when the first telemetry signals were heard indicating the bird was alive and well.

AMSAT OSCAR 13 beacon frequencies are as follows:

Mode "B" GB: 145.812 MHz EB: 145.985 MHz
 Mode "L" GB: 435.651 MHz EB: 435.677 MHz

A0-13 may be heard on any one of these frequencies, and the transponder will be available for general use in 4 to 6 weeks. Details concerning frequencies of operation, as well as suitable ground station equipment, may be found in June QST, page 22. Updates will be transmitted regularly by W1AW bulletin.

ARRL MEMBERSHIP CONTINUES TO RISE

Membership in the League continues its upward movement. Listed below are the membership totals as of May 31.

DIVISION	FULL	ASSOC	SUBS	TOTAL
Atlantic	14,242	921	191	15,354
Central	10,941	607	184	11,732
Dakota	2,985	153	58	3,196
Delta	5,509	326	60	5,895
Grt.Lakes	12,252	648	125	13,025
Hudson	8,675	836	207	9,718
Midwest	6,554	310	95	6,959
New England	10,126	738	122	10,986
Northwest	7,836	436	99	8,371
Pacific	9,023	604	120	9,747
Roanoke	8,971	574	116	9,661
Rky.Mtn.	4,067	253	53	4,373
Southeastern	12,857	769	81	13,707
Southwestern	12,647	788	162	13,597
West Gulf	9,379	597	100	10,076
US Total	136,064	8,560	1,773	146,397
Foreign	15	4,904	766	5,685
Total:	136,079	13,464	2,539	152,082

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

BY: Ken/W6HHC & Bob/AF6C

YEAR	80 75		40 40		20 20		15 15		12 10		10 10		6M 2M		2M 2M		220		NOVICE				TOTAL QSO's/(POINTS)
	CM	SSB	CM	SSB	CM	SSB	CM	SSB	SSB	CM	SSB	PH	CM	PH	PKT	PH	80	40	15	10			
1968	10	224	62	396	93	328	24	430	-	0	68	0	0	145	-	0	0	0	0	0	1780/(3938)		
1969	0	98	0	50	0	375	0	301	-	0	0	0	0	169	-	0	0	0	0	0	993/(1986)		
1970	0	272	0	0	0	531	0	426	-	0	0	0	0	0	-	0	0	0	0	0	1229/(2458)		
1971	0	274	0	106	0	530	0	136	-	0	0	0	0	0	-	0	0	0	0	0	1046/(2092)		
1972	0	50	0	350	0	521	0	530	-	0	0	0	0	94	-	0	0	0	0	0	1545/(3090)		
1973	90	226	0	452	0	932	0	273	-	0	0	0	0	46	-	0	0	0	0	0	2029/(4218)		
1974	0	161	0	333	0	630	0	342	-	0	110	0	0	0	-	0	6	6	12	0	1600/(3240)		
1975	80	128	154	274	40	863	140	259	-	0	123	0	0	0	-	0	0	0	0	0	2053/(4934)		
1976	99	254	152	487	21	600	64	210	-	2	54	0	0	2	-	0	0	0	0	0	1945/(4566)		
1977	25	243	163	199	0	843	47	486	-	0	309	0	4	234	-	0	0	19	34	4	2610/(5012)		
1978	14	196	242	170	30	981	50	558	-	0	145	0	1	164	-	23	2	4	7	13	2600/(5986)		
1979	0	195	198	92	42	773	0	737	-	0	95	0	2	124	-	8	0	0	0	0	2266/(5018)		
1980	20	149	205	235	471	318	52	1025	-	0	226	12	0	100	-	36	0	0	0	0	2049/(7194)		
1981	0	167	200	265	60	699	77	717	-	0	105	0	0	197	-	0	0	0	0	0	2487/(5648)		
1982	0	105	49	230	40	352	0	515	-	0	72	0	0	155	-	27	0	10	19	0	1582/(3342)		
1983	3	93	200	0	0	776	0	995	-	0	43	18	0	16	-	1	0	0	0	0	2145/(4696)		
1984	0	0	310	0	32	196	0	350	-	0	0	0	0	0	-	0	18	3	32	0	941/(2672)		
1985	81	0	311	91	35	662	75	0	-	0	0	0	0	22	-	0	4	4	3	0	1280/(3602)		
1986	0	46	219	78	0	488	0	45	10	0	0	0	0	82x	0	0	0	0	0	0	960/(2374)		
1987	22	0	0	39	0	708	0	18	1	0	0	1	0	51	5	0	0	0	0	117	962/(2202)		
1988	127	0	66	75	2	359	0	570	0	0	81	0	0	32	14	0	0	27	0	144	1497/(3726)		

X Includes FM and SSB contacts.

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 in the fall.

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The ARRL Letter, Volume 7, Number 12: June 21, 1988 - continued

FCC LICENSING STATISTICS

The following is the most current list of new licenses and upgrades from the FCC.

	February	March	April
Extra	44,205	44,617	44,819
Advanced	98,408	98,505	98,403
General	113,949	113,900	113,623
Technician	94,361	95,256	95,810
Novice	82,390	82,705	82,780
Operators	433,313	434,983	435,435
Clubs	1,918	1,913	1,907
Military Rec.	124	123	123
RACES	343	343	343
Total	435,698	437,362	437,808

LICENSING ACTIVITY

New Novices	1,466	2,407	1,996
All New	1,624	2,733	2,195

UPGRADES

To Tech.	885	1,466	1,075
To General	330	660	428
To Advanced	307	583	396
To Extra	194	429	262
Total	1,716	3,138	2,161

NEW KANTRONICS SINGLE-BANDERS ANNOUNCED

Kantronics, Inc. of Lawrence, Kansas, announced recently the introduction of five new single band CW and SSB transceivers. There is one each for the 80, 40, 20, 15, and 10 meter bands.

The new KT series feature noise blanker, 20 watts PEP output, LED digital readout of the entire band in 100 Hz steps, Receiver Incremental Tuning (RIT), 13.8 VDC operation, a superhet receiver with 9 MHz IF, and .4 microvolt sensitivity.

GOT THE TIME?

For those of you in need of computer access to accurate time in UTC for use in setting computer clocks, a "time-by-modem" service is currently available.

National Bureau of Standards (NBS) provides this service at either 300 or 1200 baud. For information on the service just hit the question mark right after connecting. The phone number for this service is 303-494-4774.

The US Naval Observatory also provides such a service, and its number is 202-653-0351.

.....via WB6YMH-2 PACKET RADIO BULLETIN STATION

To: ALL @ ALLUSW Re:(B) Neighbor forces ham off the air

A friend of mine, who is a ham has been shut down by the FCC. The reason is because a neighbor across the street wears a pacemaker and claims that the transmissions from the ham station causes erratic operation of the pacemaker. I understand that this person has worn a pacemaker for several years, the amateur operator has been a ham for several years and this only came to light after the neighbor purchased a tv set which was subject to tvi from the ham transmissions. The neighbors doctor wrote a letter stating that the transmissions could cause erratic operation of the pacemaker possible resulting in death of the patient. The FCC modified the amateurs license forbidding him to transmit any kind of signal within 1000 feet of the neighbors house. They even wanted to remove the coax from his beam and seal the connections, but he protested and said that he at least had the right to be able to listen. The FCC agreed that he could leave the coax attached as long as he did not transmit. The FCC and a representative from the pacemaker manufacturer did some testing by having the amateur transmit on different bands and monitored an identical pacemaker for interference. The only transmission that caused any interference was on 10 meters and I understand that it only had a slight affect on the unit. It seems that the FCC would not take the results of this test as being conclusive as no one wants to dispute the opinion of the doctor who wrote the letter. If this pacemaker is interfered with by the amateur transmissions, then I wonder how this person avoids radio, tv, police, utilities, microwave and all other types of rf transmissions. Something like this could set bad precedent for amateur radio.

.....via WB6YMH-2 PACKET RADIO BULLETIN BOARD

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MINUTES OF OCARC MEETING - JUNE 17, 1988

1. Meeting called to order
2. Pledge of Allegiance
3. Roll Call by WA6VKZ
4. Minutes of previous meeting to be published in next months RF
5. Guest speaker Lorrain McCarthy on Code
6. Presentation of certificate of appreciation to speaker
7. Field Day slides by Ken W6HHC
8. John presented Field Day report
 - a. Schedule Board
 - b. Band Plan
 - c. Needs sign ups for time slots (sheet passed around)
 - d. Setup to start about 0800 sat.

MINUTES - Continued

- 9. OC Fair report by Jim N6JSV
 - a. Fair dates July 7 - 17
 - b. Fair theme: "Beef it up"
 - c. Ham theme: "No Bull about these Hams"
 - d. Club day is July 16 (sat.)
 - e. Sign ups for three shifts of a max. of 4 club members per shift.
 - f. Use the North side access to Gate #5
 - g. Bring Log
 - h. Lloyd WB6ULU needs names asap for parking and entrance passes.
- 10. Treasures Report: \$596.47 with no outstanding bills.
- 11. Editor for this month was Bob AF6C, Publisher was Chris KA6IMP
- 12. Old Business: NONE
- 13. New Business:
 - a. Jim N6JSV inquired about status and condition of club banner. He stated that it had a stain that cleaners could not remove. Ken W6HHC is to locate and report.
 - b. Frank WA6VKZ inquired about next novice license class. Ken W6HHC to inquire as to interest by someone in instructing a class.
- 14. Meeting adjourned.

SUBMITTED by CARL/KB6WLO

ORANGE COUNTY AMATEUR RADIO CLUB
P. O. Box 3454
Tustin, CA 92681



FIRST CLASS