ORANGE COUNTY AMATEUR RADIO CLUB

-- 1976 CLUB OFFICERS --

PRESIDENT  MARTIN RAYMOND  WB6PFX  532-4090
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ACTIVITIES  KEN KUNELCHY  W6HHC  541-6249
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       ERNIE FURBTE  WA6GXY  838-7017

EDITOR  BOB MALLER  WB6AJV  832-6170

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 at Barnabys Coffee Shop, 144 S. Tustin Ave, Orange, CA (So. of Chapman).

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 Kunelchy - W6HHC at home (341-6249) on Monday and Friday evenings between 7PM and 9 PM 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.

THIS MONTH'S MEETING:
The January meeting will feature a discussion of RTTY. Steve Phillips (WA6TV) secretary of the Orange Section and by profession a computer systems analyst, will give the talk. This will be the same talk that he gave at the Ventura ARRL convention.

Anyone who has aspired to an Extra class ticket will remember studying about frequency shift keying. At the January meeting you will learn about it and how it applies to RTTY as well as other aspects of this fascinating form of communication available to Radio Amateurs.

Radio Amateurs do it 'til it Hertz.
THE PREZ SEZ:

I would like to take this opportunity to wish everyone a Happy and Prosperous New Year!

Congratulations to all my fellow officers! I am looking forward to working together with you, carrying out our responsibilities in a manner comparable to that of our retiring officers of 1975.

For those of you who did not attend our Christmas Party, we had a nice turnout; sixty-four (64) which includes harmonics. TNX to all those who helped!

I regret to inform you that the next morning after the party Ken, W6HHC, became ill and had to be hospitalized. At the present time, January 1, 1976, I talked briefly with him, and he is out of intensive care and on the road to recovery!

The January meeting promises to be something different--RTTY.

Fried, WA6WZO, has some very good programs lined up and is really working to help our club have programs which will not only hold our members' interest, but will cause an increase in our membership.

Even with our dues increase to $8.00 annually, it has to be the biggest bargain today--56c per month, or a gallon of gas. And, even better for the teen-agers. Frank, W6KJS, will be prepared to collect dues and would appreciate receiving them from you as soon as possible.

Lucky winners of the annual raffle were: Roger, WB6ARK, Drake Antenna Tuner; Wayne, K6RQC, $50.00 cash; Terry, WB6IHZ, $25.00 cash.

Hope to see everyone at the meeting on Friday, January 16, 1976.

"73's"

A36HFX, Martin

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PUZZLE CORNER
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International Morse code consists of dots, dashes, and spaces. However, at over 100 wpm, it is quite possible the spaces are omitted (in the interest of speed). So in the lines below try and figure out what is being sent (and improve your code speed!)

1. ..................-..................-..-

2. ....-.-.-.-.-.-.-.-.-.-

3. ---..--.-.-.-.-.-.-.-
Submitted courtesy of: Henry Bornmann W6PGR

Representative Vanek has a bill before the House Sub Committee on Communications. This bill, HR 7052 would give the FCC the power to set susceptibility standards in all home entertainment products to RFI. Write your congressman and support it.

Reported local and state police crack downs on the improper use of CB is said to be on poor legal grounds, as CB is only answerable to the FCC.

280,000 CB license applications received by the FCC in October 1975. Hams now have new bands. 48 to 50 GHz, 71 to 76 GHz, and 240 to 250 GHz. GHz, not MHz. (1 GHz = 1000 MHz).

FCC passed Docket 20113. Repeater crosstanding now legal. ARRL's Lew McCoy has proposed a plan to have all applicants of repeater stations and remote base stations get the OK of the local REPEATER COUNCIL or FREQUENCY COORDINATOR. This plan has seen poor acceptance by hams. Voluntary co-operation and self policing are upheld as the way to settle problems.

The Canadian government has given up after spark type RFI. As of 1 Sept. 1976 severe limitations will be imposed on all spark type engines except aircraft engines. It is expected that this attack on noise will soon be after other sources such as power lines and electric motors.

The FCC is considering establishing standards for equipment to be tied directly to phone lines without Ma Bell's little coupling devices. This means ham phone patch equipment could be certified as acceptable and allowed to be tied to land lines directly.

The FCC has done away with most of the paperwork in filing a license application for a repeater station. All you have to send in now is the form 610, a statement if the proposed repeater will be remotely controlled or not. You must however keep all the prescribed technical data that used to be required in your log. After processing over 2000 repeater applications, the FCC said the hams knew what they were doing. Effective Oct. 14th, the FCC will accept 1 original and 11 copies of a comment on a docket instead of 1 and 14 as in the past.

W8PMN is looking for long haul 2 meter contacts to study propagation.

The FCC is looking into many pay as you go repeater clubs. It seems many club policies are to close to, or are violating the rule 97.112, "No remuneration for station use".

FCC is thinking of INSTANT LICENSE, or INSTANT UPGRADE. You take your test. You pass. You get your license or authorization to operate in new band segments at the examining office immediately.

FCC also says that because such a large amount of comment has been received on Docket 20282, they are going to postpone action till spring '76 at the earliest.
National Announces Ultimate Solid-State Device

With the humility that is characteristic of all its announcements, National Semiconductor Corporation on April 1 brought the Washington press corps in the Capitol Rotunda, struck up the Marine Corps Band, and unveiled an incredible new solid-state device that is the ultimate fruition of years of research. Present for the festivities were Fred Flam, Marketing Director, and Drs. Poisson d'arvill, Ottmar Heissluft, and Manuel Calienteaires, the scientists who carefully studied the phenomenon on which the device is based. The device, they said, is called a Microprocrastinator, which is essentially a Procrastitron-on-a-chip. It is a solid-state replacement for the Amnesia that was developed in the late 60's by Agnew Memory Systems. "We were first alerted to the Principle of Semiconductor Procrastination by a competitor's paper given at the Solid-State Circuits Conference in Philadelphia four years ago," Dr. d'Arvill said. "The speaker at the conference revealed that a large staff at Frenetics Corporation was making an all-out effort to develop a working model of the concept of procrastination. Since we at National have never experienced this effect, we decided to look into it and possibly develop a commercial product around the principles involved. We applied the little-known TFR--Theory of Positive Retrogression--to the time-constants of solid-state circuits and found that we could delay anything for as long as we liked. Ultimately, we developed a single-chip Microprocrastinator."

In operation, the Microprocrastinator offers positive and negative indefinite delays, both of which are infinitely adjustable. In its positive delay mode (+), the Microprocrastinator can be used routinely by those who have been unable to delay their decisions adequately. In the negative delay mode (-), the operator can turn time inside out. He or she can start an oscilloscope company in 1948 and name it Tektronix, move a scientific company into the semiconductor business and call it Texas Instruments, found a test-equipment company in 1959 and name it Hewlett-Packard, or decide in 1971 not to add capacity to a semiconductor company. The possibilities are limitless. "Since we can not make use of the Microprocrastinator ourselves at National," Mr. Flam said, "we decided to market its sizzle in a pretty package." He paused to demonstrate a LOGUS calculator to Henry Kissinger, and then continued. "The Microprocrastinator should prove valuable to every executive in every office--in legislature, the military, the executive branch, and in private industry--because it allows its operator to delay any and all decisions indefinitely. We think that we now have the RUP." The term, he explained, stands for "Realized Ultimate-Reality Product." The company, he concluded, is looking ahead to a fantastically successful post for the Microprocrastinator.

From HAMLETTER, May, 1975
SANDI'S CORNER

Hope you all made your New Year resolutions and are busy keeping them.

WB5???/6 and WB6CNU missed a deadline at the Xmas party.

Congratulations are in order for Ron (WA6FIT) and Mary Ann (WA6????) who said the marriage vows at a nice quiet wedding December 20, 1975. Mary Ann is waiting for her novice license, hopes to hear you on the left foot net soon.

On behalf of the club I would like to wish a very speedy recovery to Jerri (WA6QPO) and also to Ken (W6HHC) whose stay at the hospital didn't keep him completely off the net.

Bob (WB6AJV) has been very busy, he ended 1975 by passing his advanced license. Hope to hear you in the lower part of 20 meters working all the DX. He also sent away for his WAS and 10-10 number.

Congratulations to Ozzie (WB6FZMW) who got his advanced ticket shortly before Xmas.

Kei (W6NGO) has another house guest. It's like if Kei isn't in Japan visiting then Japan is over here. Hi Hi.

Good luck to Don (W6OH). I heard you got the hole dug and the frame welded; just about ready for the antenna raising.

Roses are red, Violets are blue, have you read your RF all the way through????

Sandi, WA6WZN

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.
BICENTENNIAL CALLSIGN SCHEME is shown below, and all FCC-licensed amateurs can have some fun with it in 1976 if they're so inclined. Stateside alternate prefixes are straightforward, with WA becoming AA, W changing to AC, and even repeaters getting an optional AF.

Outside the contiguous U.S. is where the fun really begins, with Samoan becoming AH3 and an Alaskan novice an ALL.

Use of the alternate prefixes is entirely optional and no paperwork will be required. Just remember they don't go into effect until 0001Z January 1, 1976 and are good until January 1, 1977.

The following exchanges would be allowed:

WA-AA; WB-AB; W-AC; K-AD; WD-AB; WR-AF; WN-AK;

KH6-AH6; KC4-AJ4; KC6-AK6; KH6-AK6; KJ6-AL7; KM6-AH7;
KP4-AJ4; KP6-AJ4; KS4-AJ4; KS6-AH5; KV4-AJ3; KW6-AH7;

Novices:

WB6-AH3; WG6-AH5; WH6-AH1; WJ6-AJ1; WL7-AH1;

WJ6-AH7; WP4-AJ3; WS6-AH5; WV4-AJ2; WW6-AH1;

QST DE W1AW
HR OFFICIAL BULLETIN NR 567 FROM ARRL HEADQUARTERS
NEWINGTON, CT DECEMBER 18/ 1975
TO ALL RADIO AMATEURS ET

ATTENTION LISTERS. ANNUAL REPORT IS HEREBY MADE OF TWO ADDITIONS TO THE ARRL COUNTRIES LIST, SABLE ISLAND/VX9 AND ST. PAUL ISLAND/VXO. THE ADDITION OF SABLE ISLAND IS BASED ON POINT 1 OF THE CRITERIA USED FOR COUNTRIES LIST ADDITIONS 2A DISTINCTIVELY SEPARATE ADMINISTRATION AND ST. PAUL ISLAND BECAUSE OF POINT 3 SEPARATION BY FOREIGN LAND. CONTACTS MADE AFTER NOVEMBER 15/ 1945 WITH EITHER SAME ISLAND OR ST. PAUL ISLAND MAY BE SUBMITTED FOR DXCC CREDITS STARTING FEBRUARY 1/ 1976. NO DXCC CREDITS WILL BE GIVEN FOR ANY OPERATIONS FROM SABLE ISLAND OR ST. PAUL ISLAND UNTIL IT HAS BEEN ESTABLISHED THAT LANDING AND OPERATION FROM THOSE ISLANDS WAS DONE UNDER SPECIFIC PERMISSION FROM THE PROPER AUTHORITY.

QST DE W1AW
HR W1AW PROPAGATION FORECAST BULLETIN NR 284
JANUARY 5/ 1976
TO ALL RADIO AMATEURS ET

THE LATEST FORECAST PREDICTS QUIET CONDITIONS FOR SEVERAL WEEKS. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW AND MAXIMUM USABLE FREQUENCIES NEAR SEASONAL NORMALS. SOLAR ACTIVITY INDEXES FOR JANUARY/ FEBRUARY AND MARCH ARE 13, 12 AND 12 RESPECTIVELY. AR

Electronics classes of interest to radio amateurs are being offered in the spring semester at Santa Ana College. Some of the courses offered concern electronic theory and FCC license. If interested, contact the college at (714) 835-3000.
FOR SALE CORNER . . .

Drake station - mint
Drake R4C + CW filter
Drake TX4C + blanker
Drake ACC + 160 Meter & 10 Meter XTL sets
Drake MSC (less than one year old) + 2 WWV XTLS
Contact: WB6FMU Rich Gehle
714-532-4876

WANTED: Old Radio Books and/or electronics books, magazines etc.
for use in Santa Ana College electronics classes.
Contact Henry Norman W6FOR (543-7300) or
Anthony Rodgers at SA College (835-3000).

Puzzle Answers (from page 3):
 a. SERIES AND PARALLEL RESISTANCES
 b. IMPEDANCE
 c. TRANSISTORS