



ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXII, NO. 2 P.O. BOX 95, ORANGE, CALIF. 92668 FEBRUARY 1981

THE FEBRUARY 20 TH MEETING WILL FEATURE DR. JIM COLEMAN, KA6A. JIM WILL PRESENT A PROGRAM ON LASERS AND OPTICAL COMMUNICATIONS. HE WILL BE DEMONSTRATING GAS AND SEMICONDUCTOR LASERS. THIS PROMISES TO BE A MOST FACINATING PROGRAM AND WE STRONGLY RECOMMEND THAT YOU ARRIVE EARLY. INCIDENTALLY, JIM IS THE ORANGE SECTION TRAFFIC MANAGER (STM) , SO BRING YOUR QUESTIONS.

WE HAVE COMMITMENTS FOR PROGRAMS IN MARCH AND APRIL. THE MARCH PROGRAM WILL DEAL WITH SOLAR EFFECTS AND WILL BE PRESENTED BY BILL KOHLENBERGER, W6ZJE. WE ALSO HOPE TO HAVE OUR FIRST "IN-HOUSE" MINI-PROGRAM.

REMEMBER THAT MICROPHONE AND SMALL BOX OF GOODIES THAT YOU NO LONGER HAVE USE FOR??????? PUT A PRICE TAG ON IT AND BRING IT TO THE NEXT MEETING. WE WILL HAVE 1 BOURSE TABLE FOR SMALL ITEMS.

ONELOUSY QUARTER OF A DOLLAR WILL PUT YOUR SASE ON FILE WITH 6-LAND DX QSL BUREAU. W6FOW REPORTS RECEIVING CARDS THAT HE HAD FORGOTTEN. WHO HNOWS!!!! MAYBE HE WILL START SENDING CARDS HI HI !!! SEE KA6HNY FOR ENVELOPES.

DO YOU KNOW OF ANYONE WHO MIGHT BE INTERESTED IN OCARC? GIVE THEIR ADDRESS TO THE MEMBERSHIP CHAIRMAN, BOB, W6DPAK AND HE WILL SEND THEM A COPY OF THE "R F".

D X FLASH!!!!!!!!!!!!

CT2PAK, JOHN, AZORES HAS BEEN SHOWING UP ON 7,235 MHZ ABOUT 1000 GMT. I GOT A 5X5 BAREFOOT. GIVE IT A TRY. KA6HNY.

YOU KNOW THAT YOU ARE GETTING OLD, IF AFTER PAINTING THE TOWN RED, YOU NEED A LONG, LONG REST BEFORE APPLYING THE SECOND COAT.

SPECIAL THANKS TO ALL MEMBERS WHO CONTRIBUTED SWEEPSTAKES PRIZES.

"Lasers"

*****ORANGE COUNTY AMATEUR RADIO CLUB*****

1981 CLUB OFFICERS

PRESIDENT.....	FRANK SMITH	WA6VKZ	932-3271
VICE PRESIDENT.....	ROBIN HOFF	KA6HNY	731-4803
TREASURER.....	FRANK GREGG	WB6KJS	968-1450
SECRETARY.....	HOWARD ATWELL	KA6CZI	779-5797
ACTIVITIES.....	JERRY ZILIAK	KB6MT	290-8442
MEMBERSHIP.....	BOB TEGEL	WD6DPK	554-0836
PUBLICITY.....	SID SHISHIDO	N6AQC	521-8380
T V I.....	BOB ECKWEILER	AF6C	639-5071
M A L.....	ERNIE PRITCHARD	WA6FCW	530-0738
M I.....	BILL FRICKER	WD6EES	526-4068

EDITOR.....	JOHN CHRISTOPHER	WD6GYZ	557-6399

MEETING: THIRD FRIDAYS OF EACH MONTH AT: TIME: 7:30 PM
 LOCATION.....MERCURY SAVINGS & LOAN
 1095 IRVINE BOULEVARD
 TUSTIN, CALIFORNIA

Our next club meeting will be: February 20, 1981

BREAKFAST: FIRST SATURDAY OF EACH MONTH AT: TIME: 8:30 AM
 LOCATION.....MILE SQUARE COUNTRY GOLF CLUB HOUSE
 on the South Side of Mile Square Park,
 midway between Brookhurst and Euclid
 in the city of Fountain Valley.

ORANGE COUNTY AMATEUR RADIO CLUB NETS

- 10 Meters SSB-Every Tuesday evening, on or about 28.775 Mhz
 03:00 to 04:00 U.T.C./ 7:00 to 8:00 PM local time.
- 15 Meters CW Novice Net-Every Wednesday evening, on or about
 21.175 Mhz at 03:00 to 04:00 U.T.C./ 7:00 to 8:00
 local time. Novices are very welcome to join in,
 we will slow down!
- 15 Meters SSB-Every Wednesday evening, on or about 21.375 Mhz
 04:00 to 05:00 U.T.C./ 8:00 to 9:00 PM local time.
- 2 Meter FM-Every Wednesday evening, on 146.55 Mhz SIMPLEX at
 05:00 to 06:00 U.T.C./ 9:00 to 10:00 PM local time.

Listen for the club call "W6ZE" as net control station for the
 above club nets. Everyone is invited to join in the activities.

AMATEUR RADIO EXPLORER POST "FIRST NIGHTER" meeting will be held
 Monday, March 2, 1981 at 03:30 U.T.C./ 7:30 PM PDT at LAGUNA BEACH
 SAVINGS & LOAN, TUSTIN and HIEM AVENUES, ORANGE CALIFORNIA

*****ORANGE COUNTY AMATEUR RADIO CLUB*****
1980 FINANCIAL REPORT

INCOME:

Dues 1980.....	\$ 482.00
Dues 1981.....	271.25
Sweep Stakes.....	413.55
Badges.....	45.50
Coffee Kitty.....	65.00
Donations.....	151.50
Christmas Dinner.....	232.00
VIP.....	1500.00
*Interest Savings Account.....	6.60
**Interest Savings Account.....	51.97
Auction.....	57.10

EXPENDITURES:

" "	\$3276.56
RF.....	\$ 408.10
Mailing Labels.....	22.61
Postage.....	233.92
Rubber Stamp.....	4.76
Coffee, Donuts, Supplies.....	127.13
Flowers.....	34.98
VIP-Donation from Club.....	100.00
VIP.....	1507.48
Sweep Stakes.....	461.25
Badges.....	45.67
OCCARO-FILM.....	15.00
OCCARO-DUES.....	3.00
Insurance.....	100.00
Novice Class.....	60.00
Tune In The World (Course Material).....	38.00
Christmas Dinner Reservations.....	100.00
Christmas Dinner.....	114.30
Christmas Dinner-Refund.....	24.00
Field Day.....	284.85
Refund of Dues.....	5.00
Secretary of State.....	2.50
Early bird.....	95.00
Auction Flyers.....	17.90
Projector.....	21.20
Analysis Pad.....	3.00
President's Trophy.....	29.31
Post Office Box Rent.....	22.00
Bookkeeping Adjustment.....	72.57

\$3250.57

Start of Year-1, January 1980.....	\$4500.74
Income.....	+ 3276.56
Expenditures.....	- 3950.83
Total amount on hand 31, December 1980.....	1006.77

*1979 Savings Account Interest collected prior to January 1980, not included.

**Final Savings Account Interest not included in this report.

FINANCIAL REPORT-----DECEMBER 1980

INCOME:

Dues.....	\$ 127.50
Coffee Kitty.....	2.50
Donations.....	58.50
Christmas Dinner.....	42.00
Sweep Stakes.....	31.00
TOTAL	\$ 261.50

EXPENDITURES:

Christmas Dinner.....	\$ 114.30
Badges.....	2.87
Cake.....	3.57
Tranby.....	29.31
Stamps.....	15.00
Sweep Stakes.....	48.76
Coffee Cups.....	2.12
Projector.....	21.20
Tune In The World.....	38.00
WRW.....	33.92
Post Office Box.....	22.00
TOTAL	\$ 334.05

Savings Account.....	\$ 761.03
Checking Account.....	245.62
TOTAL	\$ 1006.77

FINANCIAL REPORT-----JANUARY 1981

INCOME:

Dues.....	\$ 208.75
Badges.....	12.00
Generator Fund.....	62.00
Sweep Stakes.....	48.00
Savings Account Interest.....	10.95
TOTAL	\$ 431.70

EXPENDITURES:

Henry Radio (Prizes).....	\$ 78.80
Badges.....	10.60
MAINTENANCE Tapes.....	25.00
Donuts.....	14.90
WRW.....	24.80
Mailing Labels.....	6.60
TOTAL	\$ 160.60

Savings Account as of 31, Jan 1981..	\$ 772.03
Checking Account as of 31, Jan 1981..	416.74
TOTAL	\$ 1188.77

 * The Editor wishes to thank Frank Gregg WR6CIB for this *
 * full and hopefully complete report. *

PREZ SEZ;

I was very pleased that the Club decided to sponsor an Amateur Radio Explorer Post. I foresee benefits to the young adults and to the Club and to Amateur Radio. The committee that volunteered to help the Post is composed of; Vic, N6AHE, Alfred, WD6DIY, Judy, WA6HEL and Bill, WD6ESS. Many thanks to the committee!

We will pass the "HAT" at the February meeting to help "West Link Tapes" - bring an extra buck or so.

F.P., Robin, KA6HNY, and I attended OCCARO meeting on Thurs. 29 January. Several interesting subjects were discussed. Not necessarily in any order of priority, or importance, they were;

1. Local Government Restrictions on antenna heights, particularly Long Beach and Riverside. HAMS in Long Beach seem to have a very positive handle on their problem and are well on their way to solving it. Riverside HAMS have a handle on their problem, but I think they are going to have a tougher fight. Antenna Height woes are almost all aesthetic, "eye sores". There are several things that HAMS have to do in order to prevent unrealistic antenna height restrictions.....

First, the best solution is to have a HAM elected to City Council, Board of Supervisors, etc.

Second, Have a HAM on the Planning Commission.

Third, Barring the likelihood of the first two, HAMS with the time should monitor City Council and Board of Supervisors and Planning Commission meetings in order to "squelch" antenna height restrictions. It's much easier to stop a proposed ordinance, law, etc. than to reverse them after enactment.

Fourth and last, doing the things we have been doing!

2. WB6PWA, Jim, talked about the annual Gordon Bennett Balloon Race. The Long Beach Club will coordinate the communications. ARES members are being asked to help provide communications. The race will start at Mile Square Park, Fountain Valley, and last through the weekend of 25-26 April, '81. Contact ARES, EC or AEC if interested.

3. Fried, WA6WZO, talked about illegal operations in the Ham Bands, particularly from non-commercial sailing vessels. The numbers involved escape me, but of the nets involved and a check with the FCC of the stations on the nets, almost 30% were illegal in one way or another. An organization has been formed to help identify illegal operations; contact Fried.

4. Orange County Fair and Amateur Radio was mentioned. We are all being asked to help...if you can help the Fair in the month of July. The West Coast Amateur Radio Club is coordinating. More to follow!

5. Ray, WA6TEY, talked for a short while concerning House Resolution 8445 of the 96th Congress, 2nd Session. A new H.R. No. will be assigned after it is reintroduced into the new session of Congress. This proposed Bill would allow the FCC to use information gathered by HAMS against illegal operations. I have mixed feelings on this Bill. The bands have to be cleaned up somehow, but this Bill might develop vigilantes. This Bill will need a more thorough analysis than I could give.

6. 1981 Southwest Region Convention, 7, 8, & 9 Oct. 1981, Safari Resort, Scottsdale, Arizona.

7. John, WD6GXZ, has volunteered to be the Editor of the RF. Many thanks, John.



FCC CHANGES THE FORM 610-APPLICATION FOR AMATEUR LICENSES:

Applications for new amateur licenses or for modification or renewal, must be made on the new AUGUST 1980 FCC FORM 610. Older 610s are now obsolete, and should not be used in making an application for amateur license, renewal or modification. If you are planning to move, renew your license, or make a modification to your present license, beware of this new FCC change, and their new 610 form. The new 610 forms can be obtained at any FCC FIELD OFFICE or at the FCC 1919 M Street N.W., Washington, D. C. 20554

NEWS FROM V I P:

V I P has informed the "RF" that its donation of \$2500 in VIF and UHF radio equipment is NOT for sale at this time. However, some items may be sold in the future, if it is determined that these items are no longer of use to the V I P program.

PROTECTING YOUR BEAM IN HIGH WINDS:

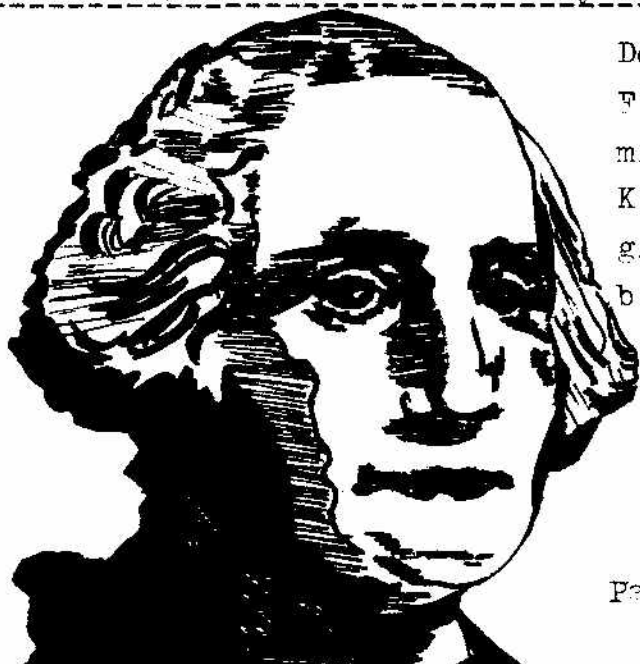
If you are planning to install a beam antenna in the near future, here are three tips that could save you a bundle in that next Santa Ana wind storm that comes through the area.

1. The worst position to have a beam in during a wind storm is cornerways into the wind. The wind sees the boom and all elements with turbulence hitting the elements.
 2. The next worst position is for the beam to point into or backwards to the wind. The more elements in line, the more turbulence resistance the antenna gets.
 3. The best position however, is sideways to the wind. This allows the wind to only see the boom. It blows over the boom and creates a turbulence that has nothing to hit. How about that!
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TELEVISION INTERFERENCE TVI

If your ground wire system runs 30 feet or so, it can be resonant at 10, 15, 20, and 40 meters. Not a very good system if it radiates T V I. Next time you experience T V I from your transmitter, try this little project as a possible alternative in correcting the problem.

Use RG8U coaxial cable as the ground wire, using the center conductor. Connect a HV type 1000 pf disc ceramic capacitor from the braid (shield) to the center conductor at each end. Now reconnect to your ground post and then your transmitter. Many amateurs claim it works!



Does anyone in the club have a KENTONITE FIELD DAY 2 code and RTTY reader that I might borrow for a day to try out on my Kenwood R1000 receiver? If so, Please give me a call at (714- 557-6399) anytime between 1 and 4 PM afternoons and 7 to 9 PM in the evenings.

THANKS

THE EDITOR

OCARC BOARD MEETING MINUTES
JANUARY 11, 1981

1. The current club financial position was reviewed by the new board with an eye toward operating at zero deficit this year. Topics discussed and reviewed included:
 - a. The possibility of reducing or eliminating the "early bird" drawing.
 - b. Sweep Stakes Prizes - We should attempt to rekindle interest in the club Sweep Stakes by perhaps obtaining nicer prizes, but as a consequence fewer prizes. A suggestion was made that we try offering three (3) prizes per meeting, ranging in value from \$10. - \$30. (1 - \$10. prize; 1 - \$20. prize; 1 - \$30. prize). It was also decided we would restructure the price/quantity ratio on the raffle tickets to three (3) for \$1. or twenty (20) for \$5.
 - c. Bill Fricker, WD6ESS, will review the rules for our yearly auction. It was suggested that we move the auction from October to September.
 - d. The topic of a possible fund raising Christmas Sweep Stakes was briefly discussed. A suggestion was made that we consider substituting the annual Christmas Dinner for our regular December meeting. A suggestion was made that due to difficulty in acquiring accommodations, deposits, etc., that we might consider renting a banquet room and having the Christmas dinner catered.
2. Robin, KA6HNY, is currently investigating avenues/alternatives, for obtaining information on various manufacturers, models, prices, etc., for a club generator.
3. Club President, Frank Smith, WA6VKZ, is currently reviewing the club By-Laws. As a result, some pertinent changes may be proposed in the future.
4. A discussion was held concerning the formation of a novice net and a general restructuring of the current net schedules. This will be put before the club at the January meeting for consideration.
5. The perpetual "Good of the Club" award should be accompanied by a corresponding plaque which could be kept by the recipient.
6. Flyers announcing the club meeting and program will be distributed to Henry Radio, HRO, etc.
7. Due to the poor attendance at the monthly breakfast, we are looking at changing the location to a more centrally located restaurant.
8. Club V.P., Robin Hoff, KA6HNY, gave a short report on the upcoming programs.
9. Club picnic was tentatively scheduled for the month of April. Place and date are undecided.
10. Club campout is scheduled for the first weekend in May in Joshua Tree at the Blackrock Campgrounds.
11. A discussion was held concerning the meeting format. We want to find a format which is more suitable to the membership. This will be part of Frank's By-Laws review.
12. A motion was made by Ernie, WA6FOW, that the club make an initial, one time, donation of \$25. to support West Link. The motion was carried.

13. Club Treasurer, Frank Gregg, WB6KJS, gave a short treasurer's report for the month of Dec., but it was incomplete because the books had not been turned over to him.

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OCARC MEETING MINUTES
JANUARY 16, 1981

1. The "Early Bird" drawing was won by Marian Reul, KA6LSB, who was not present.
2. The meeting was opened with the Pledge of Allegiance.
3. Roll call of officers - all present except for Sid Shishido, N6AQC, Publicity Chairman.
4. December minutes accepted as published in the "R.F."
5. There were no new communications to be reported.
6. New Business - none!
7. Unfinished Business - Sponsorship of an Explorer Scout Post dedicated to Amateur Radio. Mike Miller, Explorer Scout Executive representative, reported on the clubs responsibilities and obligations if we were to sponsor an Explorer Post. After a short question and answer period, a motion was made that the OCARC sponsor the new Explorer Post. The motion was seconded and carried.
8. Bob Tegel, WD6DPK, introduced the new members and the visitors.
9. Committee Reports - none.
10. Treasurer's Report was given by Frank Gregg, WB6KJS.
11. Good of the Club -
 - a. Dixie Mathers, KA6DIO, presented a newspaper article on TVI, which was reported in the Orange County News.
 - b. Club V.P., Robin Hoff, KA6HNY, gave a preview of the upcoming programs. Next month's program will feature Dr. Jim Coleman, KA6A, speaking on Lasers and Laser Communications.
 - c. Robin also showed the new ARRL "WAS" award, and the public service award, which he was recently presented.
 - d. Lloyd Harwood, WB6ULU, has been appointed the ARES liason to Flotilla 24 of the U.S.C.G. Aux.
 - e. The results of the January Board meeting were presented to the membership.
 - f. \$35. was contributed to the Generator Fund.
 - g. Ralph Alexander, W6RE, gave a report on the joint Northern and Southern County ARES meeting.
 - h. A suggestion was made from the floor that we check into the new interest bearing checking accounts.
 - i. A proposal was made that we investigate ways of reducing the cost of publishing the R.F. A possible RF editor has been located and may be persuaded into accepting the job.
12. A motion was made that the meeting be closed and was thus adjourned.

Are you a newcomer to "10 Meters"? Wondering what all this TEN-TEN business is all about that you are hearing a lot of these days? Then read the following article. It should answer everything you wanted to know about TEN-TEN, and our club net, but were afraid to ask!

TEN METERS

The club ten meter net was started in september 1977 and became the Orange County Chapter of the Ten-Ten International. As a Chapter we issue the El Camino Real Certificate which is a map of Orange County in 1889, outlining the route of the El Camino Real. There are dozens of Certificates you can earn with a Ten-Ten number, the locals are the City of Angels and QRP both of which put out very nice certificates.

The DCARC net meets every Tuesday, 7:00 local time on 28.775. You do not need a Ten-Ten number to check in so do join us, our net is very informal.

What is the Ten-Ten all about? It was started to encourage Ten meter operation at a time when Ten had very poor propagation and there was a possibility we could lose the band if it was not used. The membership is now around 30,000 world wide, with dozens of foreign chapters.

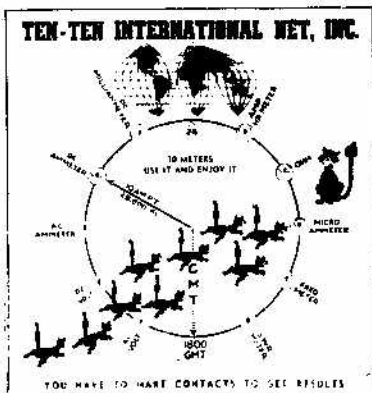
The band is wide open today with possible daily contacts with the entire US and many DX stations. QRP operation is encouraged as extra power is not needed, many DX contacts are made every day running converted CB rigs mobile. When Ten is open you can talk around the world on 10 watts.

How do you obtain a Ten-Ten number? It is very simple, work ten members, logging 10-10 number, call, date, name and qth. Send your log to W6ANK Dick Rauscher, 4371 Cambria St., Fremont, Ca. 94538, with \$1.00 Registration and \$3.00 for your first year's dues. Novices need not pay Registration fee. You will receive a Certificate and be assigned a permanent 10-10 number. Annual dues are required (\$3.00, as of April 1, 1981 \$4.00) to receive Quarterly News, and participate fully in 10-10 activities.

Activities include a summer and winter QSO Party, an annual CW Party, Worked All States, Bars and Plaques for working members in increments of 100 contacts. Quarterly News publication and quarterly luncheons held in this area.

Hope you will join us on ten as we think we have a good thing going, lots of room with little QRM.

73's judy WA6HEL



FROM THE EDITOR:

The deadline for the March edition of the "RF" is March 6, 1981. Please have your information in by then, to me, so that it will be included in the "RF". If you have anything to share or tell your club, send it in! Remember, a club is no better than what the members contribute to it, so do your part.

At this time, I would like to thank all who contributed to this edition of the "RF", and giving me the chance to put it together.

See you all at the next meeting!

73's
JOHN, WD6GXZ

THOUGHT FOR THE MONTH:



I shall pass this way but once; any good thing therefore that I can do, or any kindness that I can show, let me do it now. Let me not defer it, for I shall not pass this way again.

.....Anon

ORANGE COUNTY AMATEUR RADIO CLUB, Inc.
POST OFFICE BOX 95
ORANGE, CALIFORNIA 92688

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FIRST CLASS MAIL!!!
DATED MATERIAL!!!



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