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ORANGE COUNTY AMATEUR RADIO CLUB

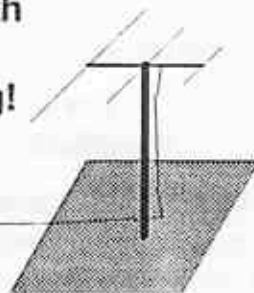
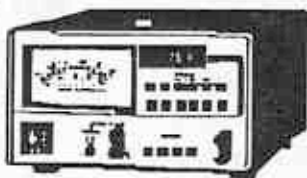
VOL. XXXIII NO. 1

P.O. BOX 3454, TUSTIN, CA 92681

JANUARY, 1992

Friday, January 17th
7:30 PM
is the next meeting!

Our Speaker:
Dale Sinner,
W6IWO
Editor of
RTTY Journal



Prez Sez by Frank Smith, WA6VKZ

Another year for OCARC and another term as President. The Club has entered a period of expansion that hopefully will continue at a pace that we can handle. I believe that we should always expand as a Club, but not just to generate numbers. The success of any organization depends upon the participation and commitment of its members. I would like to have 50% participation of 100 members rather than 20% participation of 250 members.

OCARC has always been a "general purpose" radio club with no one specific area of amateur radio predominating our activities, though during the past five years or so we

have shown an increased interest in "public service." I hope the interest in "public service" continues to increase.

The implementation of the No-Code Technician license has been a plus for amateur radio and has brought about a re-kindling of the "Elmer" spirit in amateur radio. The Club can continue to increase its helpfulness to new hams on an individual basis by interesting topics at meetings and impromptu training and activity sessions.

To all new and potential hams, I wish to extend a welcome to join us to expand your interest in your hobby and have fun doing your hobby.

HAPPY 86th BIRTHDAY
WYATT, WA6BPX
ON 1/22/92!!!

WE ARE FORTUNATE TO HAVE A GREAT NEW BOARD OF DIRECTORS THIS YEAR. EACH AND EVERY MEMBER OF THIS CLUB SHOULD OFFER THEIR IDEAS, SUGGESTIONS, AND OPINIONS TO THESE PEOPLE AS A SHOW OF THANKS THAT THEY HAVE VOLUNTEERED TO SERVE THE CLUB.

PLEASE DO NOT EXPECT EVERYTHING TO BE DONE FOR YOU. JOIN IN THE FUN AND HELP TO ORGANIZE AND CONDUCT ONE OR MORE OF THE CLUB'S ACTIVITIES. START BY WRITING A LITTLE ARTICLE FOR THE RF!

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WE ARE MOVING TO A NEW MEETING SITE IN FEBRUARY!
WE WILL BE AT THE ANAHEIM EMERGENCY OPERATIONS CENTER
DIRECTIONS CAN BE FOUND IN INSERT - THIS ISSUE.

QRP Parts and Kits Dealers

by John Christopher, NG7D

KA7QJY

Box 7970

Jackson, WY 83001

DMW Enterprises

1709 N. West #103

Jackson, MI 49202

Lectrokit

401 W. Bogart

Sandusky, OH 44870

MFJ Enterprises

Box 494

Mississippi State, MS 39762

CW Crystals

Marshfield, MO 65706

Some of these dealers charge for a catalog of their line (usually to cover their postage and printing costs) so

I hope all of you who attended the Club's Auction in October had as much fun as I did. Since there seems to be a small but growing number of you in the Club interested in the subject and practice of QRP operation. I thought I would pass along (as I have them) names and addresses of amateurs and dealers who specialize in QRP to the QRP enthusiast operator. They are as follows:

Oak Hills Research

20789 Madison Street

Big Rapids, MI 49307

Kits

171 Springlake Drive

Spartanburg, SC 29302

be advised. It's a good idea and practice when making an inquiry to a dealer like these to send a large SASE or at least a 19 cent postcard for his return response to you. This saves time and expedites return responses back to you. If postage rates keep climbing, the day of free catalogs may be coming to an end in the not too distant future.

NOTE: New Addition, Kits from the United Kingdom

Kanga U. S.

Bill Kelsey N8ET

3521 Spring Lake Drive

Findlay, OH 45840

(419) 423-5643

Friday, January 24

8:00 PM

Robert B. Moore Theater

Orange Coast College

Tickets (714) 432-5880

\$8.50 Advance

\$10.00 at the Door

WF6E John and WE6X Vikki

Zinsmeyer

Take one Newport Beach couple eager to live their dream. Mix in thorough preparation by both skipper and mate. Add the experience gained by an extensive shakedown cruise, and you have the recipe for a dream come true. Join John and Vikki as they share with humor and joy the excitement, frustration and sometimes terror of their just completed trans-Pacific voyage to New Zealand. They sailed as many modern cruisers -- with all the new toys and equipment aboard their Swan 46, *Menehune*. They cruised in company with two other boats for as Vikki says, "Three heads are better than one." They will discuss outfitting the modern cruising boat, the life-style changes they experienced moving aboard, and the pleasures and triumph of sailing their dream.

You can hear Vikki WE6X check into the Insomniac net 11:00 PM 144.330 smplx

1992 CLUB BOARD of DIRECTORS

President	Frank Smith	WA6VKZ	838-3180
Vice President	Bob Eckweiler	AF6C	639-5074
Secretary	Jane Breller	KC6TAM	213/866-2077
Treasurer	Carmine Fiorello	KC6WTY	837-5133
Activities	Bob Schnabel	KC6WWP	776-8486
Membership	Bob Buss	KD6BWH	534-2995
Public Relations	Cindy Hughes	KC6OPI	971-3448
T.V.I. Chairman	Clark Turner	WA3JPG	856-2131
Member at Large ..	Ken Konechy	W6HHC	541-6249
Member at Large ..	Mike Abreu	K6KAA	832-8503

CLUB APPOINTMENTS

Club Historian	Bob Evans	WB6IXN	543-9111
W6ZE Trustee	Bob Eckweiler	AF6C	639-5074
RF Editor	Nancy Bucher	N6XQR	537-8728
RF Printer	Jerry Dahlin	AA6BU	527-2779
Refreshments	Cindy Hughes	KC6OPI	971-3448

DUES

Regular Member	\$12.00	Additional Family Members	6.00 each
Teenage Members (under 20) ..	6.00	Optional Club Badge	5.00

Dues for new members are prorated quarterly from January of each year. Family members must reside at the address of a Regular Member. One RF is sent per household.

On the Nets - December, 1991

by Bob Evans, WB6IXN

12/4 15m phone net - W6ZE/AF6C checks in XTJ, IXN, RND, COJ, & VDP. Jim finishes a week of vacation & is now investigating 'AP Link'. IXN completes medical tests, & RND tells OPs of two small earthquakes at Big Bear & San Diego. VDP, wid QSLs in frm Sierra Leon, Marshall Is., & Guiana, repairs a ground problem in his Kenwood ant. tuner. And COJ, tired after a long trip, will for-go the 2m net tonite! AF6C passes Club Christmas dinner info. to IXN for airing on the 2m net.

12/4 2m phone net - W6ZE/IXN checks in VKZ, BPX, RE, WTY, RND, HHC, WWP/M, VDP, XTJ, NG7D, ZH & TAM, QW, OPI, BWH, & VES. BPX will be present at the Club breakfast Sat. morn., but will not drive after dark to the Xmas dinner on Sun. RE airs Newline, & tells OPs that UV3AM, frm the MIR Space Station, is in the hospital recovering frm the effect of weightlessness.. Pse route cards thru WA2LQQ, Vernard Ripotella, PO Box 177, Warwick, NY, 10990. HHC is buying a new house, & Ken expects his mother to arrive frm back East tomorrow. VDP will work the 160 band this weekend, trying to top the QRN wid a little CW & phone! NG7D converses wid VES by landline, & Gary will bring John to the Christmas dinner. VES 'flies in & flies out' as he prepares to go 'on duty'! And NG7D TGs in 'Lost Wages', NV., & experiences vy cold high winds! Chapt. 2 of 'Rolf faces the CC&Rs'.. Seems that QW has purchased the adjoining property at Big Bear & guess what?!..No CC&Rs! Rolf plans to erect a tower & beam ant., wid all the bells & whistles, that will make his complaining neighbor 'set up & take notice'! Also, Rolf, wid 158 DXCC contacts on 15m, now awaits the QSL card arrivals! XTJ plans to attend the Club breakfast on Sat., & OPI's 10 yr. old harmonic, Patrick, plans to take his Tech test vy soon. BWH & IXN discuss recent seismic activity near San Diego and Big Bear. VKZ tells OPs that Walt Henry, of Henry Radio, has passed away. WTY says there are 70+ Club + family members signed fer the Xmas dinner, & Carmine gets a new Yaesu FT 736 R rig. RND picks up 2 books on WWII at the Orange library book sale, & VKZ has moved back to Tusin to be nearer work. Nice to hear Frank in here agn! IXN assures WWP/M that the Christmas dinner is casual dress & not a black tie affair! ZH gets more DX QSL cards in & Jane, TAM, has a sinus infection.

12/5 15m CW net - W6ZE/RND checks in IXN. RND tells IXN that Santa arrived early wid a Mosley TA-33 beam! Also, there were no checkins on TG evening last week! IXN was in Indio at net time. IXN 73s to type up Net News, & John prepares to tape a TV program on Pearl Harbor, WWII.

12/11 15m phone net - W6ZE/AF6C checks in NGO, RND, IXN, QW, XQR, & HHC. NGO says bye-bye to 2 visitors frm Japan, & records .25" of rain at the QTH while DXing to Milano, Italy! AF6C has a niece visiting in Italy. RND tries out the new Mosley Jr. beam on the net. OPs agree that the beam has a gud front to back ratio! John will use the beam this weekend in the 10m contest. IXN announces a 2.8 EQ near Fontana this afternoon. And QW works a VK9 on Norfolk Is., enjoys the rain, & will leave fer Big Bear tomorrow. XQR prepares fer the Club 'Icebreaker Contest' this weekend, as Nancy puts the new Kenwood 741 thru its paces. OPs

congrats XQR on receiving the Gud of the Club award. HHC has XQR call WT6A to help out in the Contest this weekend.

12/11 2m phone net - W6ZE/IXN checks in BPX, ZH, TAM, RE, VDP, RND, QW, XQR, HHC, WTY, KAA, & BWH. BPX appreciates the 1.5" of rain. And Wyatt's Doc clears him as A-OK frm the recent surgery. ZH, TAM, IBP & IBR all enjoy the Xmas dinner, as Jane recuperates frm walking pncumonia & Chris works KH6SP on Ford Island in Oahu, & a UM 8, Kirghiz Rep. RE informs OPs that the Club must find a new site fer the March meeting. And Alex RTTYs NNN0NBW aboard the Arizona memorial on PH Day. VDP goes after a bad meter on the ant. tuner, and Larry has 50 contacts on 160m, using a 5RV ant. fed parallel against ground. Some sigs were 60/9! RND chimney mounts the Mosley Jr., points the beam to the East, & prepares to work the 10m Contest this weekend. XQR announces that the Novice/Tech station will operate under KC6ONZ's call, & the Gen/Extra station under K6VDP's call, fer 'Icebreaker' day this weekend. QW, buying the CC&R-free property next door, will erect a tower on this lot at Big Bear. Rolf also works KH6SP, Fr. Guiana, Labrador, San Andreas, & Norfolk Is.; thinks abt cleaning the junk out of his dark room, and tells OPs that he was a glider pilot wid the Orange County Soaring Assoc. fer years! WTY is mobile in Costa Mesa, works the Phillipines on 10m, & QRPs to Nebraska & back East. HHC hopes fer a Feb. closing date on the new QTH in Orange, & KAA will run off to San Luis Obispo to pick up the harmonic tomorrow, wid his 'ivy' eye healing nicely! BWH is busily involved in decorating the QTH fer Christmas!

12/12 15m CW net - W6ZE/RND checks in IXN, & XQR. RND works on the new beam & gets ready to read his new World Radio magazine. IXN spent the whole day at the church 'cussing' the old plumbing! And XQR comes 'buzzing' into the net as she discovers computer QRN fer the first time! After net, IXN & RND call XQR to discuss her 'buzzing' problem!

12/18 15m phone net - NG7D reports RND, NGO, & QW were on frequency, but no net!

12/18 2m phone net - W6ZE/IXN checks in NG7D, ZH & TAM, RE, VPP, XTJ, PFA, RND, WTY, XQR, QW, VDP, ULU, BWH, OPI, OUE, & BUY. John edit hours of video tape & QRPs Costa Rica & Mississippi plus QSOing wid WTY on 17m tonite! TAM plans her baking attack on the Christmas cookies while ZH tallies 154 countries worked, 73 confirmed, on 10m! RE finds a new home fer a wheelchair patient, airs an excellent Newline, & prepares fer company on Christmas. VPP gets the ATV station on the air & now his computer is mad at him! Seems that Bud fed it too many bites & it burped up a full hard drive on him! XTJ enjoys the 10m contest & PFA will host family on Christmas day, & Tom does live an FCC Class B certified computer! RND has saved the Dec. 4 Register article on Walt Henry, works the 10m contest fer abt 6.5 hrs, & plans fer the Straight Key contest beginning at 7 PM on the 31st, & John reminds OPs to use SKN instead of RST fer sig reports! WTY enjoys the 'Icebreaker' Club exercise in the 10m contest, working wid XQR, YLQ, BWZ, & VDP, to name a few!

Continued on Page 4

On the Nets - December, 1991 (Continued)

And Carmine also investigates 12 & 17m, while sporting a new Cushcraft R5 in the backyard! XQR gets herself taped in a VE session, & Nancy may live to 'paddle her way around' if she can't find a straight key for the SK contest! QW moves the vertical in full view of his offending neighbor at Big Bear, & plans a 60 ft+ crank-up tower on the lot next door. Will QW camouflage the new tower & ant., or, will he paint it with phosphorescent paint so that his neighbor can enjoy it 24 hrs/day! Stay tuned for further developments as Rolf prepares for Christmas company! VDP enjoys XTJ's memory keyer at the 10m contest, and Larry prepares for family at the QTH on Christmas. ULU takes time from preparing VE questions to tell OPs that he worked VY1AQE using AMTOR. BWH enjoyed the Club 'Icebreaker' contest on 10m & prepares for family at Christmas. OPI's harmonic passes the Novice element, now the code! OUE will spend Christmas with the kids, and plans a trip to Laughlin, NV for New Years. BUT will ski at Mammoth over the Holidays & plans to take the Gen. exam 1st Sun in Jan!

12/19 15m CW net - W6ZE/RND checks in IXN, XQR, & OUE. RND tries out the new beam & then the dipole for a sig check. IXN receives 599 sigs from both! Mike, OUE, running 20W, lives in Orange. And XQR tells OPs that RE gave her a hand key for the straight key contest this weekend! At net's end, Roger, W6SQQ, checks in as IXN gets a landline from XQR.

1992 ACTIVITIES

by Bob Schnabel, KC6WWP

My name is Bob Schnabel (KC6WWP) and I am the Activities Chairman for 1992.

This year I will be planning a wide series of events such as camping trips, club picnics and many more. Also, with your help along with any comments and suggestions, I know that this position will run smoothly for myself as well as the club.

This year, we are looking forward to some great prizes for the raffle. Some of these prizes include: special QSL cards, headsets, code tapes, meters and many more. We will also have special raffles for radios, TNCs, Quantum batteries, etc. General meeting raffle tickets will remain at the same price of 3 tickets for \$1.00 and may be purchased prior to and during the meetings.

Again, I welcome all comments and suggestions and will do my best to respond to them. Please do not hesitate to call me at home at (714) 776-8486.

73, Bob, KC6WWP, Activities Chairman

When checking into the Wednesday nets, when W6ZE is "bye for checkins" say your call. Net Control will acknowledge you. Net Control calls back the checkins in the order heard for each OP (operator) to share what's new at the QTH since the last net. W6ZE is the Club's call sign.

Minutes of OCARC Board Meeting January 4, 1992

Meeting was called to order at 8:45 AM by President Frank Smith, WA6VKZ. 1991 Board Members were all present except for Membership Chairman Bob, AF6C and Publicity Chairman John, KJ6TK. 1992 Board Members were all present except Vice-President Bob, AF6C. There were 42 members and guests.

OLD BUSINESS

- Audit Committee: Bob, AF6C; Bud, WA6VPP; Jane, KC6TAM
- Treasurer's Report: Current Checking Account balance is \$359.69, savings \$1,141.81. A summary report was read and will be included in the January RF.

NEW BUSINESS

- X-mas dinner 1992: Dave, WA6COJ: Does the Club want to go back to Tustin Marine Base? Dave will confirm. Moved by Mike, K6KAA. Seconded by Bob, KC6WWP. Approved by a majority of the Board.
- Field Day, 1992: Dave, WA6COJ, will check with Tustin Marine Base for place.
- Start an "Elmer" Committee chaired by Larry, K6VDP establishing a "contact" point for members to gain additional knowledge. ATV "Elmers" will be Tom, WA6PFA and Bud, WA6VPP.
- Club Equipment: Ken, W6HHC, has the audit list. John, WA6LAB, will return HF rig at Club meeting.
- Meeting Site: As of 2/28/92 we can no longer meet at Republic Federal Savings Bank. It has been sold. For new meeting site we can consider a place with janitorial fee. Suggestions: Chapman College, Elks Lodge. David, WA6TWF offered the Anaheim Emergency Operations Center (EOC) for free. Cindy, KC6OPI; Carmine, KC6WTY; and Bob, KC6WWP offered to review and advise by January meeting. Discussion: Several members have been to the EOC and recommend it. OCARC carries 1 - 2 million in liability insurance. KC6WTY suggested OCARC Board examine other sites also. KD6BWH suggested the Board accept the site as we can always change sites at a later date. Bud, WA6VPP will monitor 146.550 simplex to talk members into location. Motion: Accept EOC as meeting place without further review and begin meeting at the Anaheim EOC with the February, 1992 General meeting. Moved by Cindy, KC6OPI. Seconded by Clark, WA3JPG. Approved by a majority of the Board.
- Adopt a YL: Carmine, KC6WTY suggested the Club do this to expand worldwide.
- Amateur Radio Awareness Day: Frank, WA6VKZ stated that we need to start early. Skipper, KC6WJJ will form a committee to find locations, equipment and people.
- Field Day 1992: Don, KC6ONZ and Anita, KD6BWQ will handle the food.

Meeting was adjourned at 9:40 AM.

Respectfully submitted, Jane Breller, KC6TAM, Secretary

OCARC Annual Report 1991

by Bill Freyfogle, N6VMS, Treasurer

The year 1991 was another successful one for OCARC. We began the year with a checking account balance of \$374.13 and a savings account balance of \$1141.81 for a net increase/income of \$27.21 on the year. Included in the financial results are our liability insurance (\$260) for 1992 and Post Office Box rental (\$35) prepaid in advance for 1992. We also have 8 prepaid subscriptions to WorldRadio Magazine to be auctioned off in 1992. We have one outstanding liability of \$52.40 to a member for the 1992 auction. We have an outstanding receivable from the Tustin Officer's club for \$76.?? dollars.

I wish to thank five people who ensured this year a financial success. The first is Elmer Thomas WA6PFA, who successfully ran the Club's raffle and showed a profit of \$180.41. The second and third are Phil Anderson and Frank Smith, who ran a super raffle on the Yaesu Model 470 HT's (2 of them) for a profit of \$232.05. The fourth is Dave Hollander, who helped get a refund from the Tustin Officer's club on monies overpaid. Finally, and most importantly, is Jerry Dahlin, who again helped us with the RF Printing and saved us hundreds of dollars in printing costs. Without the help of these five people, we would have posted a significant loss this year.

Back to the financial results: Dues and membership were up dramatically from last year to a total of \$1088.00. Also, strong income was made from the regular raffle and the Yaesu HT raffles.

Increased expenses were incurred on our larger-than-ever Field Day event (\$601.54). We also donated \$100 to the 145.460 Mhz earthquake repeater system. Finally, we treated members to food at our club auction this year in the amount of \$67.66.

The auction this year was not a success, probably due to the poor economic conditions keeping non-members away from our event and keeping the spending spirit down. After subtracting the \$67.66 food bill, we only made \$46.54. I would like to suggest we evaluate the desirability of holding this event again this year.

The Holiday party this year did not cover the \$50 set-up fee charged by the Officer's Club, nor did it cover another \$76.79 in awards and gifts presented at the party. I would suggest we charge \$3 above the regular dinner rate next year to cover these items.

The continued success of our \$12 annual dues can only be continued as long as we can keep the cost of printing our newsletter down. Next year will also require strong efforts on our raffles to maintain the \$12 rate. I strongly urge we not consider lowering the dues to \$10 - we only broke even this year!

I would like to thank all the members of this club for the opportunity of being Treasurer during 1991 and hope I have been worthy of your trust. If I can be of help in 1992, please let me know.

Respectfully Submitted,
William T. Freyfogle, N6VMS
Treasurer, 1991

The Rockloop Antenna

Submitted by John Christopher, NG7D

Here's something interesting I came across in the "QRP Journal" July 1991 this past summer. I thought some of you who live in condos and other restricted commieville's, might be interested in Rocky's antenna design as a possibility for getting on HF, running with low power or QRP gear.. Don't know how it works, for it defies the laws on antenna theory as far as resonate lengths go ... HI. Rocky says it works, so who knows? Maybe he has discovered something new here. Rocky states that the antenna works well from 14 MHz on up in the ham spectrum. If we were to double the size of the "Rockloop" could it then be possible to work the 30 and 40 meter amateur bands and still have the antenna small enough to fit indoors? Interesting concept, don't you think? Anyone out there interested in building and trying one out, and getting back to me with the results? Unfortunately, the layout of my shack prevents me from building one of my own, so possibly one of you out there does have the space to give it a try? Anyway, submitted for your review is the "Rookloop" article. Enjoy!

[See article on page 6...ED.]

CW NET ON THURSDAYS, 8:00 PM 21.175 - FRIENDLY, WE SLOW DOWN - CALL WB6IXN, BOB OR N6XQR, NANCY BEFORE NET IF YOU WANT SOME HELP GETTING STARTED AND CHECKING IN -- GREAT PLACE TO GET STARTED!! WE JUST CHAT - VERY INFORMAL....

72 & 73 de NG7D/QRP

What the Heck Does 72 Mean?

by John Christopher, NG7D

For you CW operators in the Club who may have run across this closing statement during a QSO in recent months, be advised that the term 72 means "GOOD QRP CONTACTS TO YOU." It has been adopted by QRP operators and clubs recently as a closing good bye statement on CW. Next time you work a station on CW but he gives no indication he is QRP, listen for the 72 and 73 statement. If he uses it, that will give you the high sign of a true QRP operator. I received this info recently from ARCI, which is a QRP operator organization.

AMATEUR RADIO INSTALLATIONS

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- BASE
- MOBILE

Professional Custom Installations

Prompt, Courteous Service

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Torrance, CA 90501

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THE ROCKLOOP (from The QRP Quarterly July 1991)

by C. F. Rockey, W9SCH Box 171 Albany, Wisconsin 53502

Note from Idea Exchange editor Mike Czuhajewski, WA8MCQ: C. F. Rockey, W9SCH is a long-time QRP'er, going back to the days of the Milliwatt and provides the following info on his miniature antenna. While the general rule of thumb is that an outside or full size antenna is better than an indoor or reduced size one, not everyone can put up something outside and a compromise antenna is better than NO antenna! In sending along his article, Rockey writes: "Don't laugh, doggone it, the silly thing really works! (I wouldn't believe it either if I hadn't experienced it.) Even with my lackadaisical DX chasing ways I have worked 37 countries on all continents with the thing -- no more than five watts, too. I think this might be one cheap but helpful answer to the poor fellow ensconced in a fancy condominium where outside wires are strictly verboten." (This article has previously appeared in The Five Watter, Journal of the Michigan QRP Club.)

The Rockloop is an effective, easily constructed, compact antenna for the amateur frequency bands between 21.5 and 10.1 MHz and for a maximum power of 5 watts CW or 10 watts PEP SSB. Since it is compact enough to fit inside nearly any amateur shack, use it when an outside antenna may be inadvisable. You can easily make the Rockloop at a very small cost with ordinary hand tools.

Its performance has been proven on the air. Located in a ground floor ham shack and supplied with 5 watts, the Rockloop has completed contacts in 36 countries on five continents using the 21 MHz and 14 MHz bands. Other foreign contacts include Costa Rica and Cuba on the 10.1 MHz band. I've made domestic contacts from coast to coast and from Canada to Texas using only 100 milliwatts of power, and hope to increase this DX score as time passes.

BUILDING THE ROCKLOOP

Make the frame from two 48-inch lengths of one by two pine mortised together at a right angle at their centers. Finish and stain the wooden frame for neatness. Form the loop conductor itself from 12 feet of number 12 B&S "house wiring" wire (available from any hardware store). Fasten the wire to the frame at each corner using insulated staples.

Wind the coupling transformer between the loop and the RG-58 coaxial cable upon a T-50-2 iron core toroid. The primary wind-

ing (connected to the coaxial cable) consists of 20 turns and the secondary winding (connected to the loop itself) is of five turns. Number 22 enamelled magnet wire is suggested, but the wire size can vary within reason.

Use a 100 pf air dielectric capacitor for tuning since mica or plastic capacitors might not tolerate the RF voltage. Keep the leads between transformer and loop and capacitor and loop as short as possible.

Clip the tuning lamp out of a discarded 35 or 50 lamp miniature Christmas tree light string and shunt it across two inches of the loop conductor near the feed point (see diagram).

TUNING THE ROCKLOOP

Connect the coaxial cable to your transceiver to the middle of the band of your choice, and adjust the power output to about two watts. Rotate the tuning capacitor (allowing for the inevitable hand capacity effect) until the tuning lamp glows at greatest brilliance. Once the Rockloop is in tune, you may in-

crease transceiver output up to 5 watts if desired.

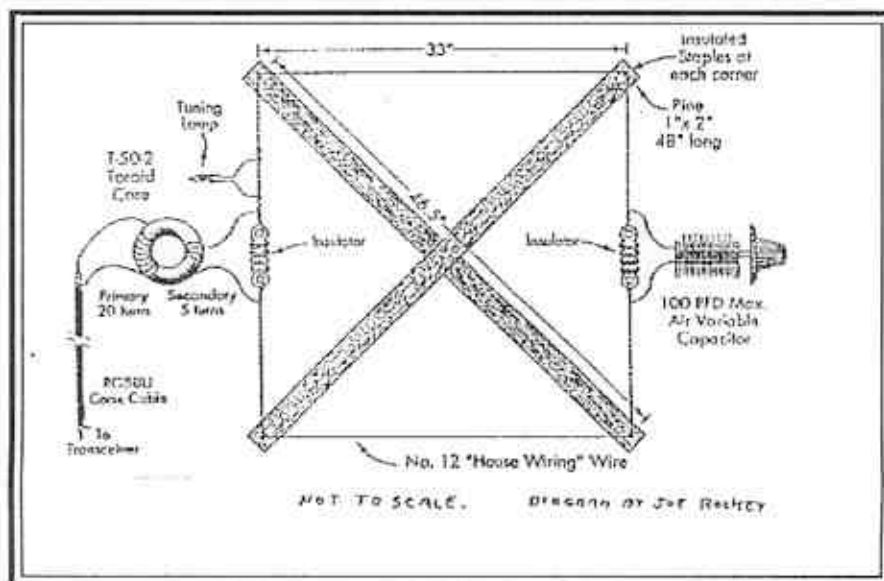
USING THE ROCKLOOP

Keep the Rockloop as far as possible from large metal objects and wiring which might distort its radiation distribution. For best results, I recommend keeping the plane of the loop vertical, or nearly vertical. Although there is a sharp radiation null on each side of the loop plane, these are scarcely noticeable in operation, and the loop is nearly omni-directional. Theory suggests pointing an edge towards your favorite direction, but it's hardly worthwhile providing for rotation.

One final caveat: If your home uses aluminum siding or with aluminum covered insulating board, no indoor antenna will work well for you (radiation from within a metal-shielded box can hardly be expected).

Gain figures for the Rockloop aren't available, but its performance compares quite favorably with an 80 meter, center fed Zepp outdoor antenna at W9SCH, particularly in the 21 MHz band. While performance is a bit less favorable at 10.1 MHz, the Rockloop still works surprisingly well. For a three foot indoor square of wire, what more can you ask?

See introduction by John Christopher, NG7D on Page 5.



**THE CLUB MEETING SITE IS
MOVING IN FEBRUARY!**

**WE WILL BE AT THE
ANAHEIM EMERGENCY
OPERATIONS CENTER.**

**INCLUDED IN THIS MONTH'S RF IS
A FLYER FROM THE WA6TWF
SUPER SYSTEM WITH A MAP.
THE RF THANKS DAVID, WA6TWF
FOR PROVIDING THIS BECAUSE OF
THE TIME CONSTRAINTS YOUR
EDITOR IS UNDER TO GET THE
JANUARY ISSUE OUT IN TIME.**

**WE WILL HAVE ANOTHER MAP AND
DIRECTIONS IN THE FEBRUARY
ISSUE.**

**ICOM SERVICE CENTER
OPEN HOUSE
SATURDAY, JANUARY 25TH
NOON - 4:00 PM
After TRW Swap Meet**

18102 Skypark Circle South
Irvine, California
(714)852-8026

DIRECTIONS

405 to MacArthur
Turn Right on MacArthur
(from either North or South)
Left onto Main
2nd Light - Turn Right on Skypark Circle South
Go to Stop Sign and make a U-Turn

Last building on the right is ICOM
At the corner of Main and Skypark Circle South

Bring your ICOM for the technicians to give it a
checkup that includes modulation levels, CTCSS
deviation checks, frequency checks, and power
output measurements.

**FOR THOSE OF YOU WITH "UPGRADE" ON YOUR NEW YEAR'S RESOLUTION LIST
(OR GETTING THE REST OF THE FAMILY LICENSED)**

DATES	NO-CODE TECHNICIAN	ADV.	5 WPM CODE	13 WPM CODE	20 WPM CODE	TEACHER	WALK-IN TESTING
JANUARY							
3,4,5.....	F.V.....					AB6CH	5TH, 5:00 PM
18,19				IRVINE.....		AA6LM	19TH, 4:00 PM
FEBRUARY							
1,2			F.V.			AB6CH	2ND, 4:00 PM
21,22,23	F.V.....					AB6CH	23RD, 5:00 PM
22,23					IRVINE	AA6LM	NONE
MARCH							
13,14,15	IRVINE					WB6NOA	15TH, 5:30 PM
14,15		F.V.				AB6CH	NONE
14,15				IRVINE.....		AA6LM	NONE
28,29,30	F.V.....					AB6CH	30TH, 5:00 PM
APRIL							
4,5			F.V.			AB6CH	5TH, 4:00 PM

Pre-register for all classes. For F.V. (Fountain Valley) call AB6CH BOB GREGG at (714) 375-0387. For Irvine locations (classes taught by WB6NOA, GORDON WEST and AA6LM, DAN FORT), call GORDON WEST RADIO SCHOOL (714) 549-5000. Bring ORIGINAL and COPY OF LICENSE and ORIGINAL and COPY of ANY CSCE'S, ID and \$5.40 (NOTE PRICE INCREASE FOR 1992.) ALL TESTS ARE W5YI ACCREDITED, LEAD VE: NANCY BUCHER N6XQR (714) 537-8728. BE SURE TO PRE-REGISTER WITH SITE SPONSOR IF YOU WISH TO WALK-IN TEST. Walk-ins will be tested after class testing. Multiple versions of all elements are available.

CLUB FUNCTIONS

MONTHLY MEETING: 3rd Friday of each month, 7:30PM at REPUBLIC FEDERAL SAVINGS BANK
January 17th 2400 E. Seventeenth Street, Santa Ana, CA
First building west of the 55 Freeway on Seventeenth St.
February 21st - ANAHEIM EOC Next to the Denny's Restaurant (see below) on the South side of the street.
MARCH 20th - ANAHEIM EOC **JANUARY WILL BE THE LAST MEETING AT THIS SITE!**

CLUB BREAKFAST: 1st Saturday of each month, 8:00AM at DENNY'S Restaurant
February 1st 2314 E. Seventeenth Street Santa Ana, CA (714) 543-0872
March 7th (Second bldg. west of the 55 Freeway)

CLUB NETS

BAND	MODE	DAY	LOCAL TIME	FREQ MHz	SPLIT	PL	OPERATOR
2 Meters	FM	Wed	2030 hrs.	146.550	splx	na	WB6IXN
15 Meters	SSB	Wed	2000 hrs.	21.375*	splx	na	AF6C
15 Meters	CW	Thu	2000 hrs.	21.175*	splx	na	WA6RND

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

ARES DISTRICT NETS

2 Meters	FM	Mon	1900 hrs.	145.220	-600	1A	N6HQI 1
2 Meters	FM	Mon	-1915 hrs.	145.340	-600	4Z	K6KAA 2
2 Meters	FM	Mon	1930 hrs.	noted	splx	na	noted 3

1 - ARES Info net.

2 - ARES District 3 net starts after info net is completed (Usually about 1915 hrs).

3 - City Nets: Orange - 146.535 WB6FCP; Tustin - 146.505 KK6QE; Santa Ana - 147.585 W6HHC

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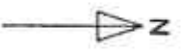
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Palos Verdes	Pasadena
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