

HAM RAG

Affiliated with ARRL

NET meets each Monday at 9:00 P.M. local time on 28.7 megahertz



step
"UP"

TO
RARA

OPEN MEETING

MARCH 14 7 PM ROCK VALLEY COLLEGE

DEMONSTRATIONS/DISCUSSION OF:

- DX (LONG DISTANCE) OPERATING
- CIVIL DEFENSE COMMUNICATIONS
- FM AND REPEATER OPERATION
- LICENSING
- RADIOTELETYPE
- CLUB STATION

BUILDING 1 RM 222

RARA invites all members and non-members to come out to our next meeting. WE WELCOME ANYONE INTERESTED IN HAM RADIO!

The film, THE WIDE WORLD OF HAM RADIO will be shown. There will also be time for everyone to get acquainted.

March 3, 1975

PRESIDENT'S LOG

The past few weeks have been filled with activity. The committee that was working on the Docket 20282 has completed its work. I have in my possession at the present time a copy of the letter to be presented to the Board, who, upon approval, will forward it to the F.C.C.

Thanks to a fine group: Maury, W9FL; Jerry, WB9 LOM; Art, WB9HNJ; Byron, WN9PBZ; and the Chairman of this fine group who put a lot of time into this project, Mike, WB9JAU.

I read in the March issue of QST that the ARRL is sending a questionnaire to its members concerning the Docket 20282. May I encourage all of you to fill out and return your questionnaire. The League is trying to show us that they are concerned about us. Let's show the League that we appreciate their concern by returning the answered questionnaires.

Jerry Haighwood, WB9 LOM, has agreed to serve as Chairman of the Field Day Committee this year. Field Day will be June 28 and 29. Jerry is going to be calling on some of you who have helped in the past. I hope you will help if you can and give the benefit of your experience to the Committee. We will also have some new people on the Committee.

Paul Dean, WB9 HGZ, has agreed to be Chairman of the Ham-Fest Committee. As of this writing, we do not have a firm date for the Ham-Fest. I hope to have a firm date by our March meeting date.

Jim Clark, W9BAV, our Vice President, was at the last Board meeting. He did such a fine job of contributing to the meeting that I am going to check out future meeting sites to make sure that there are no cats in the area. We have got to keep Jim well.

In closing, I hope all of you will try to make it to the March meeting. If your ranks of amateurs are to grow, we need this type of meeting to get people acquainted with Ham-Radio. I think it will be an interesting meeting even for some of us.

73^S John Wacker, President

ROCKFORD AMATEUR RADIO ASSOCIATION, INC.
P.O. BOX 1744 Rockford, IL 61110

1975 BOARD OF DIRECTORS

John Wacker, Chmn.	399-1695	Earl Davis	WB9KOR	633-4225
Dick Connors	877-7722	P.D. "Mick" McBride	W9NKQ	399-7973
Jim Clark	226-5696	Jack Muntz	WN9PCA	964-1842
Mike Oberg	399-5925			

20282 NEWS

ATTENTION-----ATTENTION-----ACHTUNG

Re- Proposed Restructuring of the Amateur Radio Service
Docket 20282

The March issue of QST on page 9, in their monthly column " It seems to Us ", have announced that they will send to all members of the ARRL, a four page questionnaire on the proposed FCC docket referred to above. This will be mailed out about the middle of March. We quote from paragraph three as follows;

THIS WILL NOT BE A YES/NO QUESTIONNAIRE. SOME OF THE PROPOSALS AT FIRST GLANCE SEEM HIGHLY OBJECTIONAL, BUT MEMBERS MAY PREFER MODIFICATION OF SUCH RULES AS THE MORE BENEFICIAL COURSE FOR AMATEUR RADIO THAN TOTAL REJECTION. SIMILARLY, SOME OF THE CONCEPTS MAY HAVE A BASIC FAVORABLE REACTION BUT WITH SOME RESERVATIONS; THESE SHOULD ALSO HAVE A MEANS OF EXPRESSION. THUS THE SURVEY WILL BE GAUGING THE DEPTH OF YOUR VIEWS, RATHER THAN THE PURE BINARY TECHNIQUE OF YES/NO.

The questionnaire is designed for transfer of the information received by data processing techniques.

The purpose of inserting this page in the HAM RAG is to earnestly request that all members of RARA who are members of ARRL, NOT FAIL TO SEND IN THEIR RESPONSE TO THE QUESTIONNAIRE.

WB9ILH

REPEATER NEWS

On February 15, 1975, the XYL, Elena, of the President of R.A.R.A. was involved in an automobile accident. The time was about 11:00 a.m.. Weather conditions were not the best, as the streets were covered with snow and ice.

Elena's car slid into oncoming traffic where she was hit from behind. The car continued to travel until it came to rest in a small creek. Jay Hart, K9QYY, happened to be in the vicinity of the crash and immediately called the Police via the Ears Repeater. He asked for help stating there was an accident with possible injuries. Jay says, "It seemed like they were there in 90 seconds".

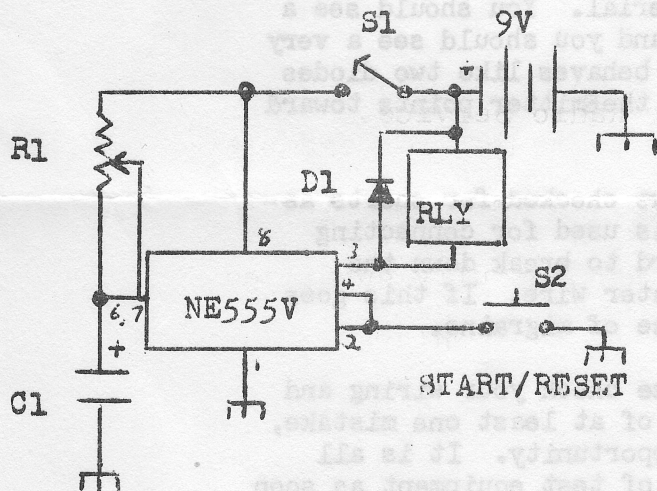
Traveling the streets that day was not easy, traffic was moving slowly, and if a person would have had to travel the hill in either direction to get to a telephone, there would have been valuable time lost; but with the presence of Jay and his mobile rig, the accident was reported and help arrived almost immediately.

Jay tells me that during that week a number of situations arose that were taken care of with the use of the Repeater. It is wonderful to be able to report to you that Elena is doing fine except for a slight neck problem.

To all of the people who had a hand in making the Repeater a reality, our many, many thanks.

John Wacker
President

ANOTHER TECHNICAL ARTICLE



INTEGRATED CIRCUIT TIMER.

Parts list.

- C1. 200 MFD. at 12 Volts
 - D1. 50 PIV 1 AMP Silicon diode.
 - R1. 2 Megohm Linear taper Potentiometer
 - RLY SPDT Subminiature relay (Radio Shack No. 275 004)
 - S1. Subminiature SPST switch
 - S2. Normally open momentary contact switch
- NE555V Timer integrated circuit.

This timer was designed as a three minute transmission timer for the repeater user. It can be built for a total cash outlay of about 5.00. A multivibrator or unijunction tone generator may have its plus lead connected to the plus terminal on the battery, and its minus lead connected to pin three of the IC to give a tone warning at the end of the timing cycle.

By ART NELSON WB9HNJ

TRUE CONFESSIONS DEPT.

Well, guys, this space was reserved for a reminder to send in that data sheet which was included in last month's RAG. We planned something like "...those of you who can't seem to find a pencil..." or "...let's get on the stick and get that data sheet in to John.." but a funny thing happened on the way to the typewriter. Looks like yours truly hasn't sent his sheet back either! Suddenly, we have a lot more understanding available for the delinquent data sheet mailer....

Anyway, John's address is John Wacker, 1412 Comanche Dr, Rockford, IL 61107 and he'd really like to have all of the data sheets as soon as possible (by yesterday) so that the club annual report to the ARRL can be completed. Think I'll fill mine out right now....

K9VJE

Novice Notes - Is there an Ohmmeter in the house?

Novice Net meets at 8:00 CST Monday Evenings at 21.165 MHZ

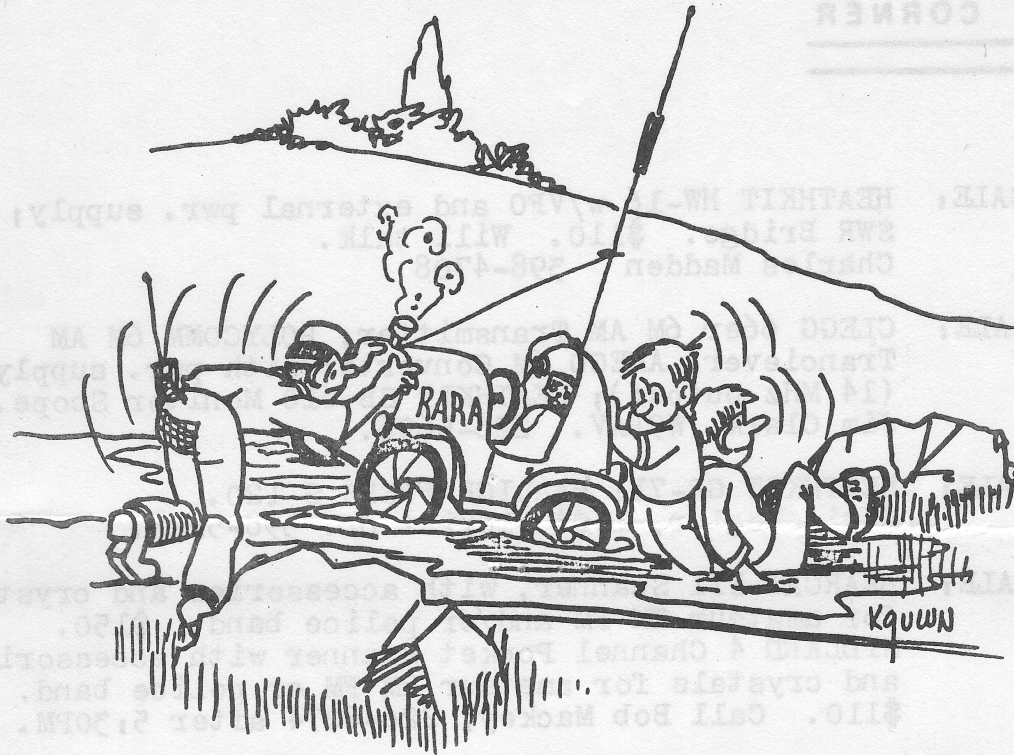
So you've just put your brand new kit together and it will only pick up WROK. What happen? Even the best of kit-builders can nod occasionally and do something dumb. A simple slip of the soldering gun can keep you off the air for weeks.

A few precautions can greatly reduce your chance of failure with kits or homebrew projects. First check all the parts before installing them. It only takes a few minutes to check a resistor with an ohmmeter when sorting out the parts. The same meter will also tell you whether the diodes or bipolar transistors are seriously damaged. With the meter set on the 10K range or above, connect the positive lead to the P-type material of the diode and the negative lead to the N-type material. You should see a minimum resistance. Reverse the leads and you should see a very large resistance. A bipolar transistor behaves like two diodes for this kind of test. The triangle on the Emitter points toward the N-type material.

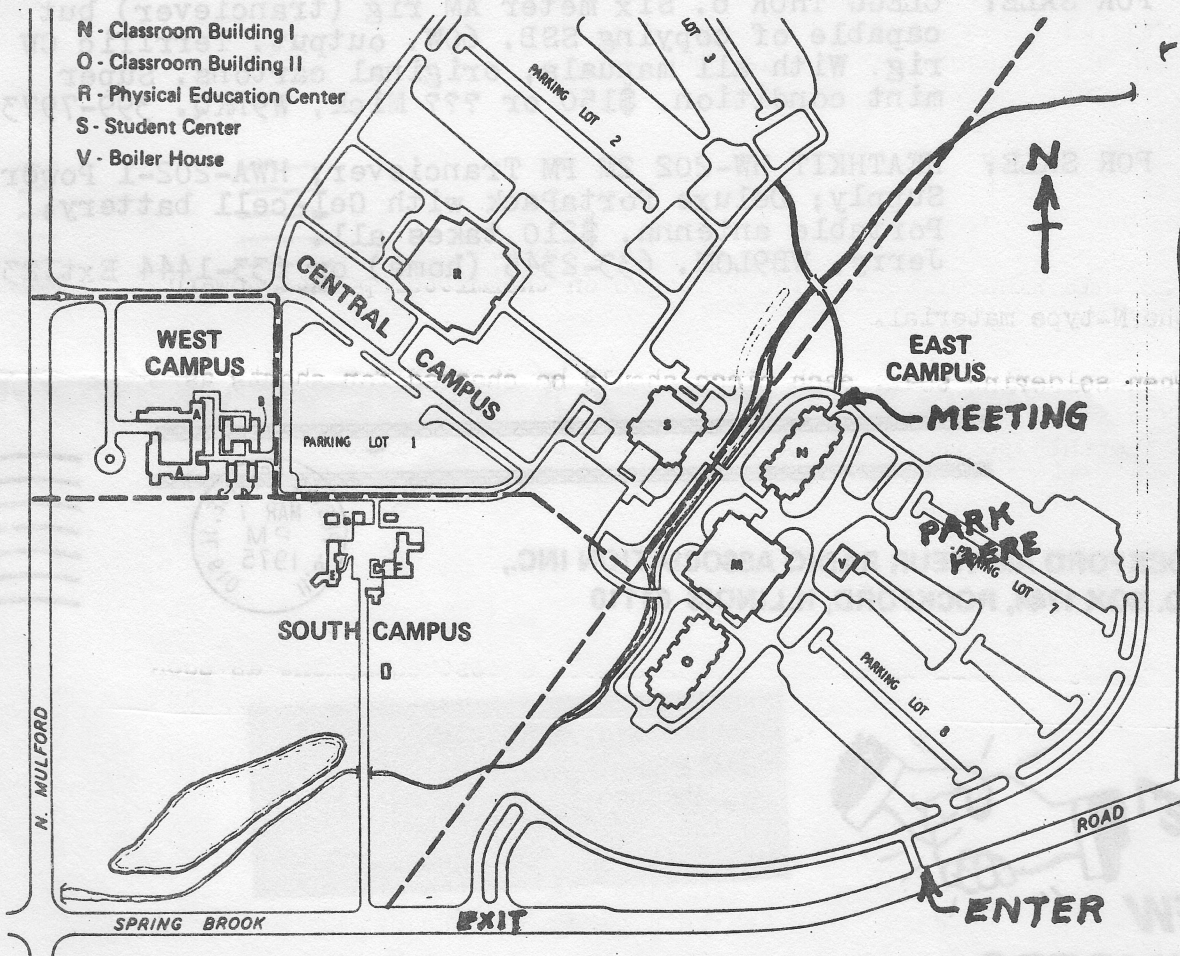
When soldering coax, each piece should be checked for shorts as soon as it is cool. In many kits coax is used for connecting different sections; and it isn't too hard to break down the insulation between the braid and the center wire. If this goes undetected it can result in a severe case of migraine.

Another good idea is to have someone else check your wiring and solder connections. We are all capable of at least one mistake, and your next kit could give you that opportunity. It is all too easy to call up someone with a lot of test equipment as soon as a newly completed kit doesn't work well. Call another novice first - make sure its not just an oversight on your part. If your friends can't help you out, call Carl Cacciatore, Jim Michna, or Byron Dale - They have volunteered to look over your kit's wiring and soldering, and to assist you to the best of their ability. They aren't experts and don't have much test gear, but they do want to help. Hopefully we can take some of the pressure off those who really come through in a pinch when we have a bad problem.

de WN9PBZ



LET'S ALL GET BEHIND RARA AND PUSH!



TRADER'S CORNER

FOR SALE: HEATHKIT HW-16 w/VFO and external pwr. supply;
SWR Bridge. \$110. Will talk.
Charles Madden 398-4708

FOR SALE: CLEGG 66er 6M AM Transmitter; POLYCOMM 6M AM
Tranciever; AMECO 6M Converter with pwr. supply;
(14 MHz output); HEATHKIT SB-610 Monitor Scope.
Jim Clark, W9BAV. 226-5696.

FOR SALE: HEATHKIT GR-71; HALLICRAFTERS S-120.
Chris Vogler, 1404 Florist Dr. 398-5123.

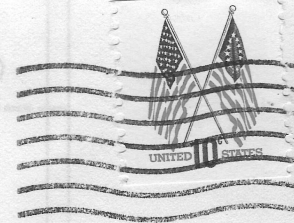
FOR SALE: BEARCAT III Scanner, with accessories and crystals
for amateur 2M FM and/or police band. \$150.
MIDLAND 4 Channel Pocket Scanner with accessories
and crystals for amateur 2M FM or police band.
\$110. Call Bob Mackey, 226-8074 after 5:30PM.

WANTED: DRAKE 2B and 2NT w/VFO. Cash or trade for above
scanners. Will deal. Bob Mackey, 226-8074 after 5:30.

FOR SALE: CLEGG THOR 6. Six meter AM rig (tranciever) but
capable of copying SSB. 60W. output. Terrific CW
rig. With all manuals, original cartons. Super
mint condition. \$150 or ??? Mick, W9NKQ. 399-7973.

FOR SALE: HEATHKIT HW-202 2M FM Tranciever; HWA-202-1 Power
Supply; Deluxe PortaPack with Gel-cell battery;
Portable antenna. \$210 takes all.
Jerry, WB9LOM. 633-2345 (home) or 633-1444 Ext.233.

ROCKFORD AMATEUR RADIO ASSOCIATION INC.,
P.O. BOX 1744, ROCKFORD, ILLINOIS 61110



Paul Dean, WB9HGZ
317 Shaw Street
Rockford, Il. 61108

FIRST CLASS