

PARTS LIST

DIODES:

D1, 2—1N35

CAPACITORS:

C1, 2, 3—.01 mfd

RESISTORS:

R1, 2—240 ohms, 5w

R3—500-ohm pot: wirewound

MISCELLANEOUS:

M1—0-100 DC milliammeter

SW1—SPST Oak type 200

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The Iowa City Amateur Radio Club
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The deadline for submission of material is the 20th of the month preceding the desired month of publication. Any article dealing with any aspect of amateur radio is welcome. It is not our intent to edit prospective articles; however, we reserve the right to delay the publication of an article due to space limitations. Any submission deemed not of general interest to the amateur community or not in the general good interest of amateur radio will not be published.

IOWA CITY AMATEUR RADIO CLUB OFFICERS for 1978

PRESIDENT: Charles Lindsey, WBØVRQ
VICE-PRESIDENT: Kenneth Kucera, WBØZXU
SECRETARY-TREASURER: Craig Fastenow, KØCF
TRUSTEE: Gordon K. Johnson, WØAYH
ACTIVITIES CHAIRMAN: Ray Forman, WBØPJU

Dues for the Iowa City Amateur Radio Club are \$5.00 per year (includes a subscription to this publication); Non-Resident \$2.50; Additional family memberships \$1.00.

The Iowa City Amateur Radio Club meets the second Wednesday of each month in the Community Room in the basement of the First National Bank of Iowa City at Towncrest, 1117 William Street, Iowa City, Iowa. The meeting begins at 7:30 local time.

Co-Editors of the RAG: Kenneth Hudachek, WBØVRN
Dorothy Coon, WBØVMX

Gary started in Amateur Radio with a Novice License in 1956. He received his General License in 1958 while he was in Service, and received his Advanced ticket about three years ago.

His period of Service was with the Navy and he spent four years in the Antarctic. His equipment was on the ship so he wasn't exposed to the elements all of the time. He said the temperature did not get below 20°, and he liked the twenty-four hours of daylight.

Gary and Danelle live on a 240-acre farm near West Branch, so he has to worry about weather and crops as well as band openings. At the time I talked with him he had all of his own crops out of the fields and was helping his neighbors. He, also, built and flies his own airplane.

His picture is on page 26 of the current CQ. He came in first in the State of Iowa in the 160 meter contest held last January. This was the first contest of this type that he had entered, so naturally he is proud of himself. He is also encouraged to enter more contests. He accumulated 28,000 points, and had about 250 contacts. Incidentally, this was all CW.

The caption under the picture says, "KØGVB was the big winner in Iowa. He has 240 acres on which to grow antennas among other things. By next year he plans to have quite an antenna farm under cultivation." In case you are wondering, Bob Lucas took the picture.

Gary has a Yaesu FT 101, a Hunter Bandit, 4-element and 3-element beams, as well as long wires (800 feet) on 160 meters. He would like the long wires to be a mile long. That coupled with cold weather would suit him best for DX.

Gary, Congratulations on all of your achievements.

Thanks to three nice guys for putting up with my goofy questions. Sorry I'm not more technical. Hope the information is as you would have it.

Dorothy, WBØVMX

Remember the Membership List we sent you last month? Well, lets make a few changes in it.

Luke, WBØQFQ, has an Advanced License, as does Terry, WDØAWL.

Russ has a new call, EAØR.

Dennis W. Crabb lives at 1306 Fourth Avenue North in Denison, Iowa 51442. (Denison does not have two "n's" as it is on the list. He is an M.D., and his office address in Medical and Surgical Associates, Doctors Building, 115 North 14th Street, Denison, Iowa 52442. Office phone is (712) 263-5071. Dr. Crabb is President of the Iowa Repeater Council and Editor of the Iowa Repeater Council Newsletter.

Ken, WBØVRN, wants to buy a 14-element beam--HyGain Model 214, 2-meter. If you have one and want to sell it, give Ken a call at 338-5539.

This month's cover is a low-cast SWR Monitor; should afford the best SWR monitor for the least investment of time and money. It can be built into any number of housings, including an empty beer can.

The center conductor consists of copper caps soldered over the ends of a 5-inch piece of 5/8-inch diameter copper tubing. A #40 hole is drilled in the center of each cap and a piece of #12 bare copper wire passed through from one end to the other. About 1/2-inch is left exposed at each end and the wire is soldered in place. The location of R1 and R2 is critical; they should be carefully measured for precise symmetry and equal coupling to the line. Adjust these resistors so that you have a 1:1 reading on the meter when working into a 52-ohm feedline.

Mr. and Mrs. Robert Kerf are the parents of a baby girl. They have named her Ronda Renee.

Mr. and Mrs. Dan Soda had a baby girl October 25th. Sorry, don't know her name.

As you readers of the RAG know, Dick, WBØUMV, had been interviewing various members of the Iowa City Amateur Radio Club. It became apparent that all of the members could not be covered in a year, so we had decided to do some "thumb-nail" sketches of several members for the next two issues.

Let's talk first about Gordon Johnson, WØAYH. He is really a soft-spoken, down-to-earth type of person. He is the Manager of the Fabrication Unit of the Audio-Visual Center at the University of Iowa. This is not a desk job, but a roll-up-your-sleeves-and-get-in-there-and-work job. He and his Wife, Nancy, have three children--two girls and a boy--all of whom are now in Ames. One Daughter is an Aerospace Engineer and will be going into the Air Force when she graduates. The younger Daughter just moved to Ames from Iowa Falls and works as a Fashion Merchandiser. Their Son is working on his Master's Degree in Agronomy, and has an application pending with the Campus Crusade for Christ. If this is accepted, he will be spending several years in Africa. Did you ever try to get all of the family together for a picture? The Johnson's actually accomplished it a couple of weeks ago.

Gordon received his one and only call, WØAWH, in 1948. At that time it was necessary to pass 13 words per minute of code and a written test to receive a Class B license. One year later it was possible to take another written examination, and if this was passed, a person had a Class A license. Later, the Class B licenses were changed to General, and the Class A's to Advanced. Gordon has the Advanced. The bands were quite different then--40 and 80 meters for CW; 10 and 160 for phone; could not be on 20 or 75 meters. His only equipment is a TR-3 transceiver.

In addition to Amateur Radio he enjoys woodworking. In the last couple of years he has been enlarging his home at 510 Second Avenue, Iowa City, Iowa. He has added a family room which is 26 by 29 feet and has a balcony. The balcony will have a railing of birch. The kitchen had to be remodeled to allow for a doorway into the new room. He has done all of this work by himself.

How does Nancy feel about Amateur Radio? She thinks it is a fine hobby for him, but she doesn't want to be pushed into it--she wants to pick her own hobbies. Gordon feels that his amateur radio activities should not interfere with his family life, but should complement it.

Next I talked with Ray Forman, WB/PJU. Ray was born in Toledo, Ohio, and traveled around a lot and lived in lots of places until he moved to Iowa City when he was ten years old. Seven years later he moved back to Toledo and then back here in 1960. He was in the Service and while on leave here in Iowa City, he went to Colonial Lanes--saw his childhood sweetheart, renewed the romance and it is still continuing. He and Julia have four children--three girls and a boy.

In addition to Amateur Radio his special interests are his Wife, hunting and fishing. He works in Preventive Maintenance for the University of Iowa. Julia works at Randalls in Coralville.

Ray has his Advanced license and has acquired this in three years. Two days after he received his Technician License he and Julia went on a trip to California. He feels it was really a better vacation because he had his radio along.

His equipment is fabulous:

Kenwood TS 820S	Complete teletype set-up
Kenwood TS 700A	2-meter equipment on a 47 foot tower
Kenwood TR 740	
Strip line 1K amplifier, Home Brew	
HF Amplifier, Home Brew	

He also has WB/PJU/RPT. The new Repeater is to be known as the Oakdale Repeater(147.75-147.15) with projected ERP of 10 watts. It is on a 59 foot tower (with Ray's HF equipment), has 7 dB gain, and has the capacity for Autopatch. No, he is not selling memberships.

Gary Ernst, K/CVB, gave the program at one of our recent meetings on DXing and obtaining QSL cards. He has put all of this into practice and has contacts from over 306 countries and has awards and certificates, as well as QSL cards, to prove it. There will be more soon as he has 46 states on 160 meters. This has taken him over twenty years, but he is still very enthusiastic about all of his activities.

THE INTERNATIONAL MORSE CODE

A . - -	1 . - - - -
B - - - -	2 . . - - -
C - . - - .	3 . . . - -
D - - . .	4 -
E .	5
F . . - . .	6 -
G - - - .	7 - - - . .
H	8 - - - - .
I . .	9 - - - - .
J . - - - -	0 - - - - -
K - . - .	
L . - . .	PERIOD . - . - . - .
M - - -	COMMA - - - . - - -
N - .	? . . - - . .
O - - - -	COLON - - -
P . - - - .	SEMICOLON -
Q - - - -	FRACTION BAR -
R . - .	BREAK - -
S . . .	ERROR
T -	WAIT . - . . .
U . . -	HYPHEN - -
V . . . -	PARENTHESIS - -
W - - -	END OF MESSAGE UNIT . -
X - . . -	END OF ENTIRE TRANSMISSION . . . - . -
Y - . - -	RECEIVED MESSAGE O.K. . . .
Z - - . .	INVITATION TO TRANSMIT - . -