

RIVER CITY RADIO RAG



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Amateur Radio Club

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THE RIVER CITY RADIO RAG is published monthly by :

The Iowa City Amateur Radio Club
1410 Keokuk Street
Iowa City, Iowa 52240

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Deadline for submission of materials is the 20th of the month preceeding 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, out of necessity, to delay publication of an article due to space limitations.

Iowa City Amateur Radio Club Officers
1974

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Vice-Pres.: Robert Lucas WAØDXZ
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Program Chairman: Mike Nowack WBØHOG

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FROM THE EDITOR ...

de WAØDXZ

This, the 2nd "big" issue of the newsletter again has some really good things in it, we think, a couple of good technical articles and much good, plain info and a little gossip too!

Thanks to all who sent stuff in, and we hope that you continue to do so. The response has been great, and it is appreciated!

At the last meeting of the ICARC, there was a discussion about the cost of the newsletter. Yes, it does cost money to publish this thing, and right now, that is coming out of the club treasury. In the past, the club has been a rather static organization, few programs, almost no other functions, except a try at Field Day. This year the club is doing things; yes, we have FD again, also we have had a good program each month, and when you come, there are usually catalogs, magazines, door prizes and such to take home with you. A DX contest starts June first, with a nice prize to the winner. We are finally doing things, and it takes some money to do it. I was quite surprised to see the apathetic reaction to raising the dues last month. It wasn't as much a negative reaction as the same old "Who Cares?" attitude. A few spoke, most just sat there, and those who sat there are the same ones that come everytime and sit, saying nothing, doing nothing, contributing nothing, but receiving anything they can. A one-sided proposition if you ask me. A few give, so many take.

A raise in the dues is necessary to keep the club going. We are at a high point in membership, activity, and we are going to want to spend a few bucks this summer for FD, the Picnic, contests, prizes, etc. An offer was made to "donate" some money to keep the club, and the newsletter going. I will not accept that offer. I am quite ashamed that it has to come to that. Vote to increase dues June 12th.

I GET HIGH ON TOWERS... de KØLUM

As one of the earlier group of two meter FM enthusiasts in Iowa City I was quite interested when there appeared a resurgence of interest in the band locally. I subsequently obtained a Tempo FMH and started working Cedar Rapids direct and was plagued by the Quad Cities Repeater--just with the hand held whip ! This started it off.

As anyone who has been out to my QTH knows that I am situated on a rather high hill. However, I am not on the absolute top. So, being neat of mind if not of action the nice round number 100 popped up in my mind. My tower at that time was only 70 feet high. Somehow that wasn't nice and neat. A plan was thus formed. As the tower stood it was bolted to the side of the house at 20feet and guyed four ways at 50 feet. I removed the beams and the top section. I then added another regular section and three more guys at 70 feet. I then added three more sections and guyed again at 90 feet in three directions. I broke up the top set of guys into 19 foot lengths. This is the way things stand at the moment.

I plan to re-install the Hy-Gain TH-4 and a pair of KLM 12 element two meter beams which will be adjustable from vertical to horizontal polarization. Since losses in coax can be high at VHF, I have obtained a length of 7/8" air heliax with about 1/2 dB loss per 100 feet. I am quite anxious to see how it works.

de KØLUM

** STRAYS **

The Iowa City Amateur Radio Club is sponsoring a Summer DX Contest, beginning June 1, and running through August 31, 1974. All bands, all modes. Use Operating Aid ARRL Number 7 for countries list. The only limitation is that we ask you to use only "exciter power"; no linears please, to keep things fair for the lower power op's. Submit a list of countries worked to KØHLB, Contest Chairman, after September 1. Prize is a new DX Callbook !

CONSUMER INFO-- de WAØDXZ es KØVW

The two of us approached the various electronics distributors in the Iowa City area. We simply mentioned that we were planning to build a project and needed prices. We realize that this is a most limited study but it shows that there is a difference in prices in the area.

ITEM	Mid-State	Warren	Union	Radio Trade
PL -259 Coax connector	.82	.67	.67	.69
100 feet RG-58U Coax	6.85	6.85	7.10	6.85
6146 B Tube	5.95	5.85	6.00	7.07
12AX7 Tube	1.52	1.26	1.26	1.89
50µf 450V Electrolytic Capacitor	1.26	1.68	1.26	2.15
100 K Control Pot	2.00	1.24	1.75	1.00
3 Amp 200V Diode	1.20	.93	1.30	1.98
1000 1/2 watt resistor	.12	.12	.12	.15
TOTALS	\$19.72	\$18.60	\$19.46	\$21.78
% Higher than Lowest Total	6.0%	--	4.6%	17.1%

IN CASE YOU MISSED IT....

de WNØKBD

In case you missed it the last meeting of the Iowa City Amateur Radio Club was held on the third Wednesday of May, due to a scheduling conflict regarding the program....

The President, Steve, KØSVW opened the meeting with old business, a reading of the minutes, a treasurers report, and a discussion of those. It was noted that the expenditures had been high the last month, due to the costs of the newsletter publication...

Discussion of the newsletter followed, and a motion was made to increase the dues from the present \$3.00 per year to \$6.00 per year. Discussion followed, with many opposed to the increase, and Al Braley mentioned that possibly some private donations might carry the newsletter along for awhile. After some discussion, the motion to raise the dues was tabled until the June meeting...

Mr. Wayne Walters, the Johnson County Civil Defense Director, spoke briefly regarding the need for some hams to perform as tornado spotters in severe weather, and explained what could be done to help. He also offered the use of two generators to the club for Field Day use...

The main program was on SSTV, with KØSVW and WAØPUJ giving a demonstration of SSTV, and explaining to us how it worked. The room was darkened, and you could have heard a pin drop as the first pictures were formed. Quite exciting, and a bit different than many things we've seen! Great program fellows!

We adjourned for coffee and ragchewing, to meet at the same place June 12, at 7:30 PM.

REPEATER NEWS

de KØØBU

As was mentioned last month, FM has a lot of advantages for local communications. A well designed FM receiver has the characteristic ability to reject AM energy. Since noise pulses are bursts of mostly AM energy, the FM receiver will not reproduce them at its output. FM receivers contain stages called "limiters". Any AM pulses that reach the limiter stages will cause the tube or transistor used to be driven into saturation, at which point it ceases to amplify. The FM signal is not adversely affected by the limiting action of the receiver. Within reasonable limits, various levels of input signal to an FM receiver produce a constant output from the limiter, thus providing good immunity to noise pulses and other forms of AM. The limiting action also establishes an AGC characteristic in the receiver. A typical FM receiver might produce the same AF output voltage to the speaker at any input signal level between, say, 1 uv and 10,000 uv.

Since most FM receivers have squelch systems, with no signal present, there is no audio from the receiver, making monitoring much less irritating. Most transceivers are crystal controlled, making it a significant advantage to mobile operation; no VFO dials to look at, just have the crystal selection switch set where you want it.

An FM repeater serves as an expansion of an amateur's stations, both fixed and mobile. Because of its location, line of sight communications are more effective than working "direct". The likelihood of being able to raise another station in time of emergency is greater on a repeater, since there may be many stations monitoring that channel.

During times of local emergency or disaster, the repeater makes possible long range communications between on the scene handi-talkies and distant base stations, and can even provide phone patching if necessary. More next month...

de KØØBU

GETTING DUMMY LOADED...

de WBØKBA

Like to have a useful piece of equipment for your shack, but you say you learned your construction techniques from "Lincoln Logs"? Then this is the project for you! And if you follow through on it, you will make the FCC and fellow hams very happy!

Most construction projects nowadays give some good building experience but end up costing more money than if you went out and bought the gear new. Happily, this one does the former, but eliminates the latter. And it even circumvents all that "detective work for parts" jazz.

What piece of gear uses a coax connector, a paint can, a big fat resistor, some coax and a gallon of transformer oil? That should be the first question on all amateur radio tests, right, OM's? Well, what follows is where to get the parts and where to put 'em to make 'em work. And you don't have to send off one precious nickel to Benton Harbor, either! So this dummy's for smarties, if you'll excuse the pun.

The sources given were the ones used by the author, and if there are better ones, (cheaper, in other words) I wish someone would tell me so I'll know about it next time. The "problem parts" for most of us are the paint can, the resistor and the transformer oil. The paint can was a clean, shiny, unused one obtained at the Pittsburg Paint Store (across from the lumber yard here in town) for 35¢. They also make great planters in case you have problems with this project. The resistor was purchased from the Collins Radio surplus store in Cedar Rapids for about a dollar. If you can get the special holder that comes with it, fine and dandy. If not, don't worry. It'll give you a chance to use your ingenuity later. Get one with about 50 ohms worth of resistance if that is what your transmitter likes to see. Mine was about 70 ohms but still works fine. The 100 watt rated resistor is carbon

DUMMY LOADED...

composition and looks kind of like a big, black hollow tootsie-roll that had its ends dipped in silver paint. Don't run out and buy a fancy wire wound 100-watt resistor unless you like to see your transmitter roll over and die right before your eyes. Remember, coils of wire are inductors, Unfortunately, Collins does not have boxes of these carbon resistors laying around the surplus store. Some one else got this brilliant idea before I did. You may, therefore, expect some frustration in your search for this part. Maybe you can come up with a better source. If you can't, don't be discouraged. I found mine there (without the holder) and so have others.

The third "problem item" was obtained for nothing from Iowa-Illinois Gas and Electric Company. I hadn't planned it that way, it just happened. I asked if I could buy some transformer oil from them, and a nice lady directed me to a man who said "Oh, hell, I'll just give you a gallon." Take your own container for the transformer oil. Also, don't get any on you unless you are one of those who has to learn by doing. It seems like one drop on the finger tip spreads to the rest of your body like magic. Likewise for the carpet, the drapes, the kitchen table, the dog, etc.

Now you have the main course, next come the trimmings. Get an SO-239 coax connector (the one that goes on the other end of a PL-259) about a foot of RG-58 coax, a couple strips of thin aluminum about 1" x 5", a couple of small blocks of wood about 2" long and 3/4" wide (if the resistor didn't come with the holder) and assorted nuts, bolts and screws. Now comes the easy part, ---putting them all together.

Drill a hole in the top of the can, preferably off to the side, for the SO-239. Install that, maybe using a little circuit board material or some other insulator to keep RF

BRAIN TEASER OF THE MONTH...

de WBØHOG

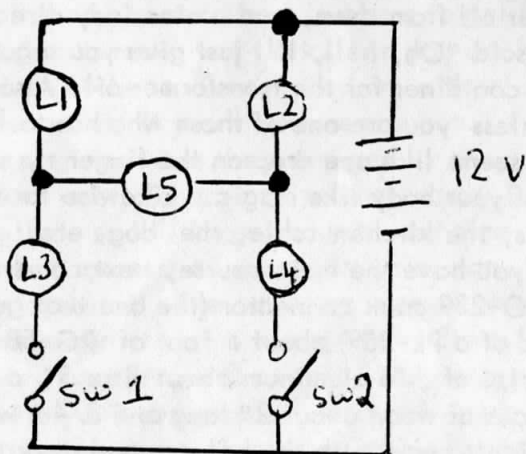
Farmer Brown had five bales of hay, which he told his man Hodge to weigh before delivering them to a customer.

The stupid fellow weighed them two at a time, in all possible ways, and informed Farmer Brown that the weights in pounds were : 110, 112, 113, 114, 115, 116, 117, 118, 120, and 121.

Now, how was Farmer Brown to find out from these figures how much each one of the five bales weighed by itself?

You may at first think that he ought to be told which pair is which pair, but this is quite unnecessary. Can you find the five correct weights?

LAST MONTH'S ANSWER :



Those submitting correct answers were KØUJJ and WØSML. Where were the rest of you guys?

THE EYE EMERGENCY NET...

de WØGET

The Eye Emergency Net was started December 20, 1962. The ideas for the Net, however, began a long time before then. Approximately six or eight months before, I had a patient who came into the hospital with a perforated cornea in his only eye, and I needed an eye desperately do to a corneal transplant. I called several eyebanks, but was unable to get an eye. That year the midwestern section of the eyebank association met here in Iowa City. I suggested we all try to pool as many resources as we could from the seven or eight eyebanks from the midwestern section to try to take care of some of these emergencies.

We investigated the possibility of some kind of a communications system, and after visiting with Mr. Ted Hunter, a radio amateur, we decided to write to some of our mutual amateur radio friends in these towns, have them get in touch with the eyebanks and have them meet on the air.

The first time we met on the air was on December 20, 1962. There were only seven of us the first time, and they represented the cities of Omaha, Chicago, St. Louis, Columbia, Missouri, Indianapolis, Iowa City, and Minneapolis.

Little did Ted or I realize what was going to happen, because by the 23rd we had already been joined by Oklahoma City. Oklahoma had the first emergency and an eye was available in Chicago, so plans were made for the eye to be sent from Chicago to Oklahoma City. Gradually the number of amateurs that have joined us have increased, and many times there were over 125 amateurs who have checked into the Net. We have had as high as 70 eyebanks in the U.S. who have checked into the Net. There is a good deal of variation, because some of the eyebanks check in only when there is an emergency, while others check in everyday through the amateurs. Some eyebanks have 3 or 4 amateurs and they take turns checking in. Some, for example, like Denver, where

EYE NET...

there is a very active eyebank, have in the neighborhood of four or five amateurs who check in and frequently all will check in.

WØMEM in Denver, has been extremely active in the formation of the 40 meter Eye Emergency Net. The Net began to meet on 3970 at 7:00 AM. 7:00 in the morning seemed to be when the people could check in easily and still get to work on time, but this meant the boys on the west coast had to get up at 4:00 AM to get in on time, and the east coast boys had already left, so the first thing that had to be done was have an early net. We had one that met at 7:00 EST, and some of the eastern boys would check in before they went to work, after checking with their eyebanks, and some of the boys who did not have to go to work early from the early section would report to the later section which was carried on at the 7:00 time. The amount of work that was necessary to carry on this type of communication became so considerable in size and scope, that we decided to meet in the evening also. Originally at 7:00PM CST, then we had to switch it and we now meet at 11:45 GMT and 0100 GMT on 3970 and 0045 GMT on 7294.

The 80 meter Eye Emergency Net is a rather formal net. We call each city in rotation and the amateurs then check in. On the 40 meter net, they announce "Are there any check-ins?" and the fellows check in helter-skelter, though there has been some change from this. You will sometimes listen to the 40 meter net, and you will sometimes hear as many as four or five try to check in at one time. I honestly don't know how the Net Control keeps track of this.

The Net Control for the Eye Emergency Net has changed over the years. The permanent one has been "Chubby" Wayne Walters, W9DOG, mainly because he was almost always available. Poor Chubby had a stroke and died, and I have kind of taken over the net control. Ted Hunter used to do this part time, but Ted had a fractured skull, and while

EYE EMERGENCY NET...

he recovered, he did not remember many of the Net members, and I have assumed being Net Control when I can. Some of the other fellows who are Net Control are WØNOF, who used to be in Chicago, and has moved to Neosha, Missouri. WØNOF actually doesn't represent an eyebank at the present time, but he has been interested in it for many years as he was associated with the Chicago Eye Bank.

In the period of time we have been conducting the bank, the number of eyes and the number of emergencies we have arranged for has been unbelievable. The present count is about 7,100 eyes, the actual count is 7,084. We have kept track very closely, and we make a report twice a year to the Eye Bank Association of America at the annual meeting.

The Net really has no connection with the Eye Bank Association of America or with any other organization. So many times the Lions Clubs think that we have something to do with the Lions, but we haven't. Only a very small number of people who belong to the Eye Emergency Net belong to the Lions Clubs. You may get the impression from talking to some of them that the Lions had something to do with the support or the start of it, but this is not so. Some individual Lions Clubs do support individual eye banks.

We have had a number of get togethers over the years, with many of the amateurs that check in everyday. Our most recent one was in Phoenix, Arizona, where we had a gathering of about 20 members of the Net, and traded lots of stories and tall tales.

Baltimore, Maryland has probably been able to supply more eyes than any other bank. Every eyebank has received some eyes because of Net activity.

About 60 of the 83 eyebanks are members of the EBAA. I would say roughly 62 eyebank representatives tend to the Net, and about half of them are EBAA members. Many of the EBAA workers run rather sophisticated eye banks and they use

HAM POPULATION SURVEY ...

A recent analysis of the membership of the Iowa City Amateur Radio Club showed 38 paid-up members. The following breakdown in class of a amateur radio license held is as follows :

	# of Members	Percentage
Amateur Extra	1	3
Advanced	15	39
General/Conditional	14	36
Technician	1	3
Novice	3	8
No Call	3	8
Unknown	1	3
TOTAL	38	100%

We'll have another look at it in a year or so and hopefully we'll have more members, and a higher percentage at the top !

de KØSVW

AN OPERATING NOTE ...

Bob, WAØDXZ has been spending a lot of time on 40 meter CW lately, and found the band opens up to Japan and Australia, New Zealand and even Africa around 6:00 AM CDT, around 7030. Signals have been 579 or better from the VK's. 9Y4DS heard but wouldn't answer any W, K calls. Early morning on 40 seems to be great for chasing some DX if you are willing to get up a bit earlier than usual...

de WAØDXZ

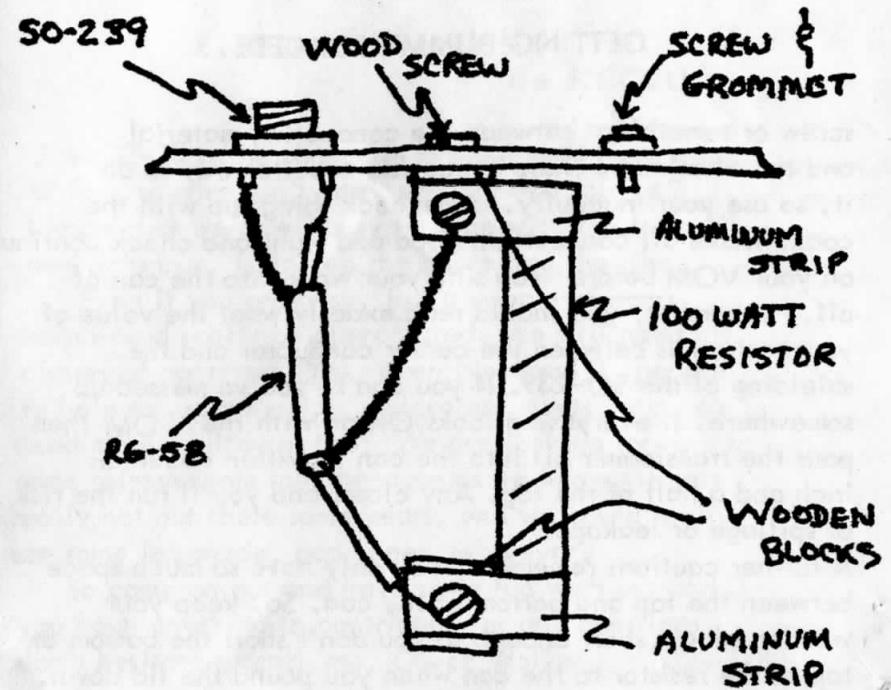
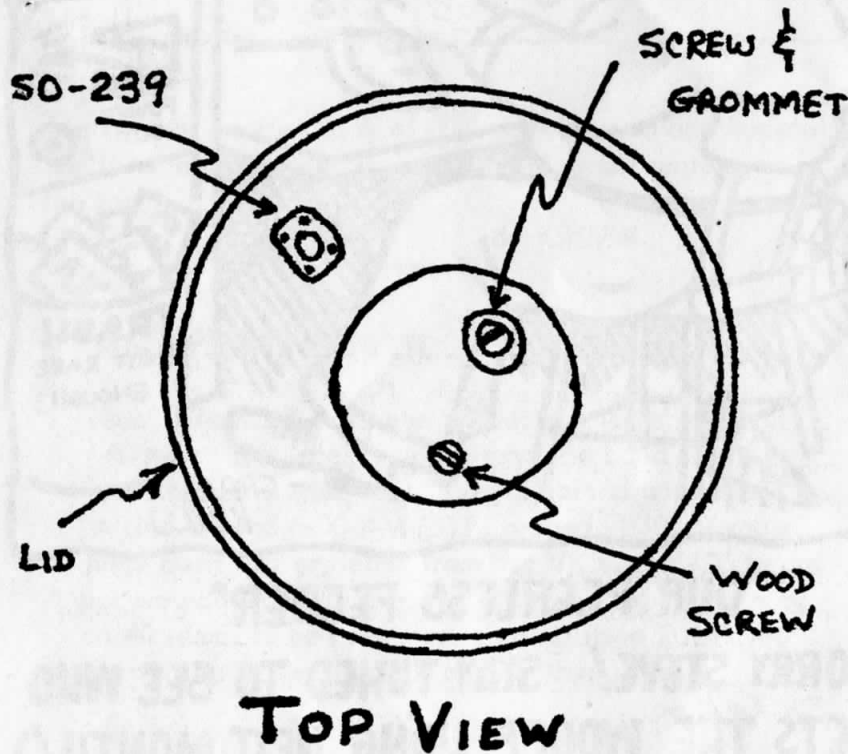
VICTIM OF THE MONTH



"OUR PEERLESS FEEDER"
(SORRY STEVE! STAY TUNED TO SEE WHO GETS THE WOUFF LONG NEXT MONTH!)

GETTING DUMMY LOADED ...

off the outside of the can. I didn't do that, and I haven't checked to see if the outside of the can is hot, for obvious reasons. While you're at it, drill a couple of holes, about 1" from center, directly opposite each other in the lid of the paint can. One will be for the wood screw that goes into the wooden block holding the resistor. The other will hold a small rubber grommet and will function as a pressure release valve should you have enough money to be a power monger. See the illustration for the top and side views of the lid:



Now that there are places on the lid for things, let's focus our attention underneath. The most difficult problem for me was mounting the resistor. For those who are lucky enough to have purchased the holder with the resistor, it will be patently clear what procedure to follow. I just used the small blocks of wood in the illustration to insulate the resistor from the can. It has worked out OK so far, It was somewhat of a problem to get the aluminum strips tight enough around the conducting material on the ends of the resistor so the resistor wouldn't slip out. Do the best you can, and then wedge a penny or a

GETTING DUMMY LOADED...

screw or something between the conducting material and the aluminum. There's probably a better way to do it, so use your ingenuity. Now hook things up with the coax. Make all connections good and tight and check continuity on your VOM before you sink your work into the can of oil. Remember, you should read exactly what the value of your resistor is between the center conductor and the shielding of the 50-239. If you don't, you've messed up somewhere. If everything looks OK with the VOM then pour the transformer oil into the can to within about an inch and a half of the top. Any closer and you'll run the risk of spillage or leakage.

A further caution: remember, you only have so much space between the top and bottom of the can. So, keep your wooden blocks short enough so you don't short the bottom or top of the resistor to the can when you pound the lid down. Use a tape measure to check the clearance.

Now, if everything looks good, plunge the innards into the oil and secure the lid. Hook up some coaxial cable to your transmitting set up, tune up and check the VSWR. With your new dummy load, you should read very nearly 1.1 to 1. Put a "dummy load" position in your antenna switch, if you are lucky enough to have one, and use it next time you tune up. That'll be just one less bit of electronic pollution on our air waves. Also, use it to align your transmitter or calibrate your SWR/Wattmeter. Use your imagination!

If you used a clean, new paint can, the finished product will look quite nice. Don't carry it around a lot, or it will soon be leaking oil. Perhaps there is an improvement you can make on it. You can even scratch "Cantenna" on it if you want to! Put the money you saved by building it into this year's "Starved Rock Fund"!

73, de WB0KBA

FIELD DAY NEWS

de KØ0BU

June 22-23 is the time. We are going to have a lot of fun, so why don't you come out and join us? I know that we're all busy in June with the lawn, new antennas, fixing up the house and the like.

Even if you are busy, just a couple of hours help would really be appreciated. We still need all classes of operators (Yes, even Novices!!), people to help set up antennas, generators, tents, etc. We need more equipment too! We are looking forward to some refreshments too, because as we know, it gets really hot out there some years, and we could really use some lemonade, pop, beer, whatever.

So come on out and have some fun with us, and if you have anything to contribute, or any questions, don't hesitate to call me, Chuck Walker, at 354-1286.

PROPAGATION!

The latest forecast predicts slowly improving conditions with low solar and high geomagnetic activity and with MUF below seasonal normals. Conditions should be fair to good last week of May, and here are activity indices for upcoming months: June 25, July 24, August 22, September 21, October 19, November 18, December 17, January 16, February 15, March 15 and April 14.

To translate, it means that if you think things are bad now... just wait a few months!

*** STRAYS ***

Wayne Green, W2NSD, was sentenced for tax evasion in New Hampshire. He got a suspended 5 year sentence, three years probation and a fine of \$20,000 plus cost of prosecution. Ouch!

Repair parts for CDR rotors can be ordered more quickly by going direct to factory instead of through the sales division in Des Plaines, Illinois. Write to:
Cornell-Dubilier Rotor Parts Division
118 East Jones Street
Fuquay-Varina
North Carolina 27526

2-Meter FM'ers and other Ni-Cad users will find lots of very useful info in the GE Nickel Cadmium Battery Application Engineering Handbook... write GE at Battery Products Division
Box 861
Gainesville, FLA 32601 for a free copy.

To give credit: Tnx to HR Report for some of the above info...
Tnx to the Cedar Valley ARC for their nice newsletter, Bandsread.

STRAYS

Notice: The next meeting of the Iowa City Amateur Radio Club will be June 12, 1974, at 7:30 PM CDT in the basement of the First National Drive-In Bank of Iowa City, in the Towncrest area. Program will include WØFTM, Chuck Fenwick, from Cedar Rapids. He will talk about some designing and building he has done of a repeater system in Cedar Rapids. We have heard that this is quite an interesting project. Refreshments will be available.

Plan to attend the upcoming picnic of the Iowa City Amateur Radio Club. WØMIE is chairman, and Jack is planning for the last half of July, date to be announced, right Jack?

Upcoming programs: One scheduled concerning working DX, one also on QSL'ing and how it works (there is a lot more to it than you may think!) Also, The ARRL film, and hopefully one on propagation. Any others you'd like to see? Let WBØHOG, Mike, know about what you'd like. Any volunteers for other programs?

WAØDXZ recently sold an article to 73 Magazine, to be published later in the year

preserved tissue to take care of their emergencies. The bulk of eyebanks, however, do not have the facilities to preserve the tissue and they also use up the preserved tissue fast and therefore, will be wanting material from the Net. Also, some of the physicians, who do cornea surgery are not able to cope with frozen tissue. All of their training has been with fresh material. The fresh material is much easier to work with and requires fewer instruments than does the frozen material.

Many people have said to me "You are operating the Net illegally." and actually someone did write to the FCC one time just to find out, and the lawyers said that possibly we were, but three years ago, after several hearings, which I had nothing to do with except supply all of the information that they wanted to have, we got a clear bill of health saying that we were not operating illegally, and that no one on the Net has ever received a citation from the FCC for operating illegally.

We estimate that our list from the amateurs that are listening is considerable. Everyone is interested in where the eyes go, and who wanted them, etc. Sometimes in the past years, we have recorded some of these sessions. They make very interesting listening.

I can't help but think that the need of the Net will continue over the next many years, even though the more sophisticated methods of preserving tissue will improve. The use of fresh tissue is still the best for doing this type of surgery, and for the doctors who actually have to take care of this type of emergency, they can get in touch with their eye bank, and the eye bank can get in touch with their operator who will put it on the Net, the next time it meets. Ham radio has helped make closer knit groups for the eye banks. When New York City, which has had a sophisticated eye bank for many years now, has an emergency, Baltimore or Philadelphia

might have an available eye and share it. This creates a much closer feeling than might be possible otherwise. Some of the eye banks that used to participate strongly no longer do so. For instance, Buffalo lost their amateur operator and no one has become interested enough to take over. The amateur in Syracuse, N.Y. who had been active for many years died a few years ago, and it was 4 years before another young man became interested in helping them, and he is now checking in regularly, helping the Syracuse Bank to become involved in the sharing procedure. Indianapolis, since the death of Mr. Walters, has not had a regular check-in. At the last meeting of the EBAA in Indianapolis, someone said it was too bad they did not have a person, but have not been able to find anyone interested in checking in. The amateur has to want to serve in such an enterprise

This has been an extremely gratifying experience for me, and, unfortunately, I have limited my activities to the time of the Net, almost entirely.

de Alson Braley
WØGET

KØOBU is looking for some long (10-12 feet) bamboo poles. Sounds like a quad, huh, Chuck? Call him if you happen to know of anywhere that might have some.

K3ZIB, Pal Littleton, is leaving this month, finishing his work in Iowa City and moving to the Washington, D.C. area. Sorry to see him leave. We wish him luck in future activities.

UPCOMING EVENTS :

Des Moines Hamfest : 16 June
Starved Rock : 2 June
Field Day: 22-23 June
ICARC Meeting : 12 June 1930 Hrs
ICARC Picnic & Xmtr Hunt : July (Last part)

KØSVW reports 5x9 reports from AP2AD in West Pakistan, OJØMA Market Reef OHØIJ A'land Islands, UF 6CR, Georgia Republic of Soviet Union, all on 20 meters. Also worked all continents in less than six hours on 20 meters.

Ed. Note: We'd like to hear from the rest of you about what you are hearing on different bands at different times... even if ya don't work 'em!

Things such as old callbooks , odds and ends, old Handbooks or other books, could be used for prizes in contests or doorprizes for the Radio Club Meetings. If you have just about anything you think someone might be interested in, bring it and we'll give it away! WØGET has been very generous in the past few months, while cleaning house, has provided us with many back issues of CQ, etc., as well as some interesting gear he didn't need. Understand that Glenn, WAØPUJ won it last month, a real antique radio, built in something that looked like a cooking pan ? A great prize, Doc ! Thank you!

A LETTER TO THE EDITOR ... ?

Editor:

Wonderful things have started to happen to me since I started reading the River City Radio Rag. The bank told me I had more money than I thought I had. I got a job. I'm getting to go to California. No fuses blew this week. I had better not tell you what my wife said. I highly recommend your magazine to anyone who wishes health, happiness or %&ç*#\$.

Sincerely,
The Large Ugly Monster

Editors Note: We are glad you enjoy the magazine, and hope you continue to have such &\$ç#@% luck.

** STRAYS **

Mike Valdez, ex- OA4DY, now residing in the Iowa City area, has taken, and passed, his Novice Code Test, and has taken his written exam. Best of luck, and welcome to the Iowa City Amateur Radio Club, Mike!

KØCKX, Gene, has a Regency HR2 for sale, with many crystals. Call Gene W. at 338-1814.

Ex- WØCEF, Jerry Warner, 506 Clark St., is working on his Novice Ticket. Interested in VLF also. Anyone else interested in VLF might call him at 338-8027.

WHO'S WHOM....

de WØMIE

The Who's Whom for this month, John Huecksteadt, KØHLB, was born in Davenport, Iowa, in 1943, and I'm sure that the faculty at Davenport Central High School breathed a sigh of relief when John was graduated in 1961.

John was first licensed in 1955 as a Novice and received his General ticket in March of 1956.

The next six years were spent in the Jesuit Order and John received degrees in Philosophy and Letters, attending Marquette and St. Louis University. In 1967 John majored in Physics at St. Ambrose.

1968 found John in the programming business at the Rock Island Arsenal, and in November of 1968 he entered the army for 2 years as a programmer at Ft. Hood.

John married his wife, Sharon, who teaches school in Kalona, in 1969.

After leaving the army in 1971 John attended graduate school at the U. of Iowa, working in computer science.

John joined the physics department at the U. of Iowa as a programmer in 1972, where he is still programming...

John is active on 2 meter FM, 40 and 20 meters SSB & CW. John puts out his fine signal with a Yaesu FT-101.

Ed. Note: Sorry we don't have a picture of John this time, but he is the freak with the long brown hair, and you rarely see him without his constant companion, his blue hat.

** STRAYS **

The answer to the technical problem of the month, submitted by Glenn, WAØPUJ, is 500 Ohms. If you look closely, the three resistors were connected in parallel and therefore the total resistance can be calculated from the following formula:

$$R_t = \frac{1}{\frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}}$$

So... R_t equals 500 Ohms

Glenn, WAØPUJ is spending the summer in Marshalltown. Find him on 3970 kHz.

Dave, WAØMRB, is spending the summer in Omaha.

KØLUM, Dave, recently accepted a job with Westinghouse in Iowa City, and has been traveling a lot.

Feature article next month will be a brilliant essay describing the salient features of batteries, by KØRLT, Paul.