We regret that we were not able to have this copy of the BARSletter duplicated in time to reach you by the date of the first meeting this month. We hope everyone was able to be notified in advance by telephone of the meeting date.

Meetings for April: Tuesday, Apr. 11
Tuesday, Apr. 25 in 142 EE, 7:30PM CST

There will be a film for the April 25 meeting.

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WANT-ADS: This column is open to anyone wishing to inform members of equipment wanted or for-sale. Deadline: the first of each month.

FOR SALE: All-band (80-10 meter) VFO-controlled exciter, CW or screen modulated.
P.P. 811-A final amp using National MB-40-5L grid tank and complete set B&W 500-watt coils. Power supply plus parts for modulator including UTC 200-watt mod. xfrm; rack mounted in 35" open rack, plenty of extra parts & tubes -- $110 complete.

Vibroplex bug- $5

Viking 300-watt lowpass filter- $6

Dow-key 110v coax relay- $6

Central Electronica multi-phase Q-multiplier $11

Shure xtal mike- $5

Silverstone-8"-portable-TV- $10 (sold)

All of the above by Charles Holt, W9VVM, AL 63828 or office in 146 Birge Hall.

FOR SALE: 60-watt modulator with power supply filter and variable output, utilizing pair of 607's in P.P. -- $20

Converted BC-696, 120 watts CW on 80 meters, beautiful keying, PARR 1625's final, -- $15 less power supply

BC-457 converted to 20 meters, 60 watts CW- $8

Dynamotor, 6v in/ 500 v. at 200 ma out- $15

BC=348R with power supply; needs work $30 as is, or will get working for $10 more.

Call Cloyd Beasley, W4VRD, at AL 6-4740.
Unfortunately, W9YT is causing interference to oscilloscopes in the Transistor and Instrumentation labs on the second floor of the EE Bldg. In an agreement worked out by Prof. R. A. Greiner and Pres. Tom Brandt as a result of this interference, the station is now on "hours". This means NO OPERATION BEFORE 5 PM WEEKDAYS. AT ANY OTHER TIME, if you are operating and receive a call reporting interference, shut down immediately. In addition, always ask the caller how long he will be working, so that you know how long to stay off. If you then leave the operating position, leave a note stating the time during which the station should continue to remain off. Otherwise, another operator may come in, and, knowing nothing of the interference report, go on the air before said time.

What can be done, you ask? At first glance it seemed that all possible remedies would be technically impossible, either due to prohibitive cost or equipment limitations. Since the interference received is direct radiation picked up on the fundamental transmitting frequency, nothing can be done to the transmitter except to cut power. On 20 meters, even cutting power to the exciter level does not eliminate the interference, since the beam is directly above one of the labs.

However, we have come upon a similar situation in Sterling Hall (Physics Dept). Part of the accelerator mechanism in the basement nuclear apparatus there consists of a 500-watt 4-Mc transmitter operating into no load. This transmitter originally made use of scopes in the building impossible. However, interference has been eliminated by installing coaxial probes with their shields grounded, and installing line filters at the scopes.

In addition, we have found that certain of the Transistor experiments are run on a lower frequency than any of our transmissions (i.e.; below 3.5 mc). For such experiments, it is possible that low-pass filters could be installed at the scope without any distortion of the experimental results. As we understand it, the only time the full front-end range of a scope is needed is when a sweep-generator is used in connection with the experiment. Thus, we may be able to build plug-in attachments for the scopes which can be used when certain types of experiments are being run.

Any of this work, of course, will be done by club members and paid for out of the club treasury. Bob Dixon, W9QKN, has been appointed interference chairman. We feel that the above procedures would not only eliminate interference from W9YT, but from other sources as well.

One modification which will be made on the transmitter will # allow the exciter to be used by itself--phone or CW--merely by the throwing of two switches. Since the Ranger by itself apparently causes no interference when the trap doublet is used, this may allow limited operation of the station during any hours if it meets with the approval of the EE Dept.
There is a definite drive for more experimentation on the part of the EE Department, in which we heartily concur. This means, however, that unless a permanent solution is found, our hours of operation may be reduced more and more and friction between club and department personnel may increase. In order to avoid these possibilities, the club plans to do everything in its power to eliminate the interference once and for all.

We have been offered, by the Army, a 10' by 40' room in the Armory, in case problems become insurmountable in the EE bldg. Tom Brandt has surveyed the room and will report at the next meeting. A move to these quarters would be a last resort, since many problems would arise if we were to move there.

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EQUIPMENT MODIFICATIONS.

Operation at 1 KW is now possible on all bands. To make operations more convenient for members, a footswitch has been purchased and will be installed for use with the Ranger. A 2-multiplier will be tried with the 7551, and if satisfactory, will be purchased. Don has installed a phone patch which is working quite satisfactorily.

That's about it for this month. Hoping everyone had a fine vacation.

P.S.: Have you ever wondered what the call letters of other Big Ten club stations are? Well, just in case you might hear them on some day, here they are:

Illinois:  W9XH  
Indiana:  K9UAN  
Iowa:  W9IO  
Michigan:  K8GRE  
Mich. State:  W6SH  

Minnesota:  K9QMF  
Northwestern:  W9BGX  
Ohio State:  W6LT  
Purdue:  W9XB