

HAM-A-GRAM

Vol. 1, No. 10

WOOD COUNTY AMATEUR RADIO CLUB

July, 1966



FREDERICK N. GOSSMAN, WA8HWD

As time passes so do all living things. So it was this last month. The Club lost a close friend who helped the club prosper.

About three years ago, Fred became interested in Ham Radio. He obtained his novice then went on for the Technician license. Although he wasn't to active on the air he was active in club affairs. God chose to take Fred at this time for reasons unknown. We will say Good-bye for now and know that in a few short years, All of us will meet again. To Fred's memory—this issue is dedicated.

Diane's Dilemmas

This one can be handled by the shrewd circuit men; there is no math involved. We have two BC transmitters set up to operate with the same program on exactly the same frequency. They are located several miles apart, which makes it impractical to drive them both from a common crystal oscillator. Nevertheless, there is a way to synchronize them and insure that they will both be operating on exactly the same frequency. (The system has actually been used over distances up to 60 miles. How is it done?)

**Next Club Meeting—
July 11, 1966
At The Court House**

Loosening Bolts—The Solution To A Problem

In the course of many years as a semi-professional machanic—and as a semi-professional instructor of semi-professional mechanics, I have observed that there is nothing more indicative of inexperience than lack of assurance about which direction to turn a bolt—or a nut—or a screw—to loosen it.

Fortunately almost all bolts have threads "pitched" in the same direction. They are said to have right-hand threads. Actually, at least in this country, the use of right hand threads is so prevalent rule unless you drive a Chrysler-built automobile or a Conestoga wagon you may work as a semi-professional machanic for years without ever encountering bolts with left-hand threads.

I have been acquainted with this difference in threads since, as a boy on the farm, I halped grease the farm wagons. (Left-hand threads are used on the axle-nut on the left side of the wagon to keep rotation of the wheel from loosening the nuts.) However I have never seen anything basically right-handed about the right-hand threads or left-handed about the left-hand threads.

I have discussed the matter with those backgrounds as machanics are far better than mine and no one has pointed out such a relationship to me. The nearest I got to a suitable answer was a reference to right-handed being "clock-wise" and left-handed being "counter-clock-wise." This I considered entirely unsatisfactory. I can see nothing basically right-handed about being "clockwise." Beside the term clockwise pre-supposes that relative positions of the clock and the observer. The situation is even more indefinite with bolts. Though it may be difficult to observe a clock from the rear, it is often necessary to operate a bolt from the rear. It makes a difference.

The other day, while trying to explain to someone how to tell which direction to turn a bolt to loosen it, I discovered what seems to be the basic right-hand relationship for the threads:

"Grasp a bolt with the right hand so that the thumb extends along the length of the bolt. If the bolt has a right-hand thread, turning it in the direction that the fingers point will tend to force it in the direction that the thumb points."

As I look at the above paragraph, the words seem to belong to someone else. Perhaps I borrowed most of them from explanations of electromagnetism.

It seems obvious, however that in the present case I have done nothing but re-

discover a rule which must have been in use for centuries.

This morning I was telling this story to my son Ralph, who has had less actual mechanical experience than most other Cresset-associated males. (Ralph is home from Michigan State for a between-term visit). Without even waiting for me to complete my story Ralph said, "Oh, that's the ubiquitous right-hand rule. It applies to many things." Then he explained to me that "ubiquitous" is not the name of the Greek discoverer of the rule but a common English word meaning being everywhere at the same time.

"Ain't book-lernin' sumthin!"

Joe Baty
Cresset Chemical Co.

Club News

The June meeting went off as scheduled. As usual, K8HWU, Dick, started it at 8 p.m. It was to bad there were only 13 members present. We had a very charming guest—Marty Maeuller from Bloomdale.

All the prizes are in our hands at the present time for Sunday. Now just hope it doesn't rain.

Due to K8UGC, Butch, moving to Maumee, the club volunteered Phil, W8PSK, for the treasurers job until next election.

The club didn't participate in field day this year. Instead some drove around the country to other sites to see some of the other hams at work.

Most of the meeting was taken up by preparations for the Ham-A-Rama. It looks like it will be a big success again this year. We're all keeping our fingers crossed.

There will be a working party scheduled for Saturday, July 9, at about 4 p.m. to clean up the Grandstand and set up tables. ALL members are asked to help in this. Also there will be plenty to do Sunday. There will be a lot of fun also.

Answer: The synchronization of the two BC stations uses, of all things, the reliable telephone line. The crystal-controlled frequency at the master station is divided down to an audio frequency via a string of multivibrators and piped to the slave station over the land line. There a string of multivibrators multiplies it back up to the proper carrier frequency.



BULLETIN

BULLETIN No. 54, April—A reciprocal operating agreement becomes effective immediately between Paraguay and the United States. Amateurs of one country visiting or residing in the other may obtain permission to operate their own amateur stations there. The United States has previously reached such agreements with Australia, Belgium, Bolivia, Canada, Columbia, Costa Rica, the Dominican Republic, Ecuador, Luxembourg, Peru, Portugal, Sierra Leone and the United Kingdom. Many others are being negotiated and successes will be announced as they occur.

BULLETIN No. 26, May—A reciprocal operating agreement becomes effective immediately between France and the United States. Amateurs on one country visiting or residing in the other may obtain permission to operate their own amateur stations there. The agreement covers only metropolitan France, not the islands.

BULLETIN Nr. 65, June—A reciprocal operating agreement becomes effective immediately between Israel and the United States. Amateurs of one country visiting or residing in the other may obtain permission to operate their own amateur stations there.

BULLETIN No. 67, June—A reciprocal operating agreement is now effective between India and the United States.

BULLETIN No. 57, April—By order dated April 25, 1966, the Federal Communications Commission has relaxed its requirements for filing a change of name or of mailing address only. Effective May 20, 1966 if only the name or the mailing address has changed, the amateur may send a letter to the FCC, Gettysburg, Pennsylvania 17325 setting forth the changes and keeping a copy of the letter with his license until the next renewal. Where the transmitter location is changed, or the trustee of a club station is replaced, formal modification on Form 610 with a fee of two dollars is still required.

BULLETIN No. 61, May—Attention DXers. Announcement is hereby made of the addition to the ARRL Countries List of Desroches. Formerly one of the Seychelles, Desroches is now one of the islands making up the British Indian Ocean Territories. Contacts made with Desroches stations November 10, 1965 or later will be counted as separate from the rest of the Seychelles. Honor Roll credits may be claimed for Desroches in September, all others in accordance with DXCC submissions as announced in January, 1966 DXCC Note

BULLETIN No. 63, June—As a result of studies and recommendations by the Amateur Radio Service Subcommittee of the National Industry Advisory Committee, FCC on May 26 issued public notice approving all outstanding RACES plans as interim plans for the Amateur Radio Service. To that end, state and local civil defense directors should submit two copies of present RACES plans to their regional director, Office of Civil Defense, not later than Aug. 1, 1966, for transmittal to NIAC. Others are also requested to submit requirements for amateur emergency communications services to the Executive Secretary communications services to the Executive Secretary NIAC, FCC, Washington, D.C. by Aug. 1, 1966. July QST ARPSC will have full details.

BULLETIN Nr. 64, June—Attention DXers. Announcement is hereby made of two additions to the ARRL countries List. These additions are Mara Theresa and Minerva Reefs. Maria Theresa, French territory, is located in the south Pacific at approximately 152 degrees west and 36 degrees south. Minerva Reefs are located in the south Pacific at approximately 179 degrees west and 24 degrees south. Honor roll credits may be claimed for Maria Theresa and Minerva Reefs in September, all others in accordance with DXCC submission rules announced in January, 1966 DXCC notes.

To Be—Or Not To Be?

As some of you know, the editor of this little paper is moving Sept. 1. I am now looking for someone to carry on the *Ham-A-Gram*. It is a lot of work and the stories are hard to come by.

Thanks to the efforts of a few, the paper has been put out each month.

Due to my working in a print shop, a little of the professional look has gone into each issue. I had hoped to get a mimeograph and start putting the paper out with it, but that is now out of the question, since I will be leaving the state.

If no one volunteers to take the job of editor and publisher, this publication is doomed. I hope some of the members of the Wood County Amateur Radio Club will give this some thought. I don't want the paper to fold but I can no longer do the job.

Next month's issue will be the last unless someone will keep it going. Think about it. It helps keep those persons who cannot come to club meetings, informed of activities and also has some good reading at times.

Anyone who is interested can contact me by phone, 353-5053, or write to: Larry Hartwick, 217 So. Grove, Bowling Green, Ohio 43402.

WANTED!

TR-4 TRANSCEIVER

SR-46 TRANSCEIVER

PORTABLE TV

6 METER BEAM ANTENNA

These and many more prizes can be had (with luck) at the:

2nd Annual HAM-A-RAMA

WOOD COUNTY FAIR GROUNDS

Bowling Green, Ohio

Sunday, July 10 from 9:30 on

ATTENTION YL's and XYL's:

There will be a white elephant sale and a bake sale for the women. Anyone who wishes may bring a white elephant (not the animal) or baked goods and sell them.

To help build the treasury and ensure a success, the club would like you to donate 25 per cent of the profits to them.

So women—pitch in and have fun. See you there.

for sale or trade

FOR SALE—2 mtr home brew Transceiver, 20 watts, recently re-condx with new tubes, with 5 element yagi beam, and antenna rotor. Transmitter has a 6AH½ osc, 12-AT7 tripler, 5763 doubler, 2E26 final. Has a service socket for various voltages with socket for VFO. Can be used to excite a rig of higher power. Operates as a 2 and 80 meter transmitter. Stages are slug tuned, except final plate tank. Feeds with 150 or 300 ohm twin line. Has dual conversion receiver, with solid state power sply. 21 watts input. Receiver employs a 6BA6 rf amp, 6C4 osc, 6AS6 mix ½ 6BE6 convtr (1430 to 176kc) and and first i.f., ½ 6BE6 xtal osc; 6BA6 2nd i.f. @ 176kc 6BA6 3rd i.f. at 176kc; ½ 12AX7 1st A.F. ½ 12AX7 bfo; 6AL5 2nd det. A.V.C. & A.N.L. 6AQ5 output. All for \$100.

Also Eico mod 625 tube checker with latest chart and book—\$15. Eico mod. 324 sig gen. with book \$15. Heath VF1 with homebrew pwr encased in nice cabinet with small electric clock \$20 with inst. manual Heath GD1 grid dip with book \$20.