

# HAMGRAM

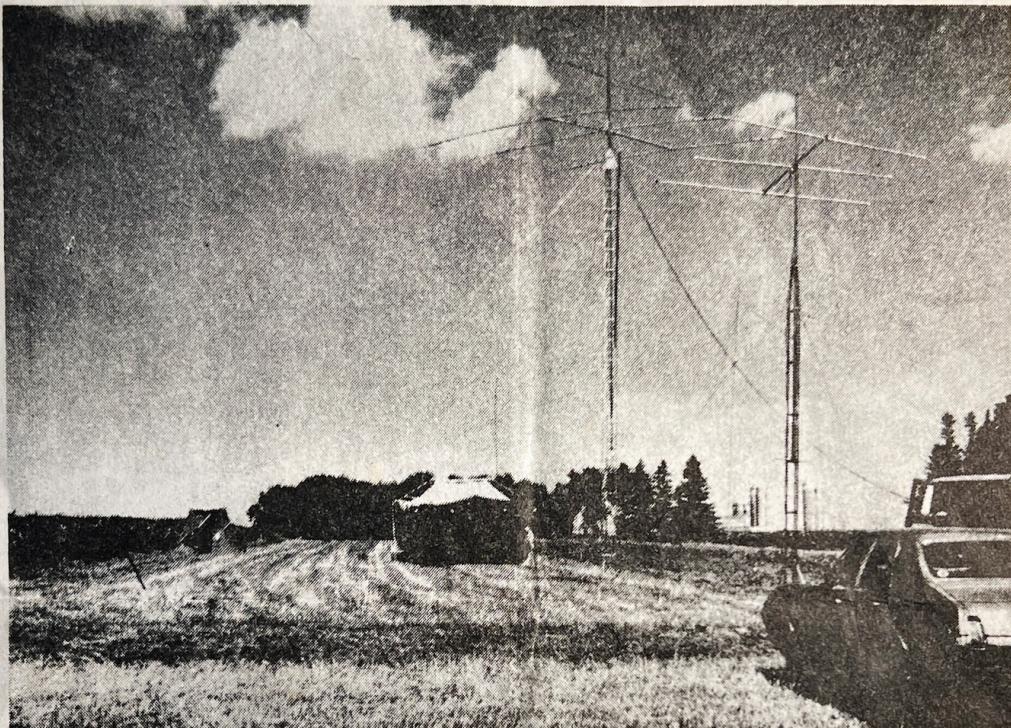
"Amateur Radio in the Upper Midwest"

VOLUME: III

ISSUE: IV  
FIELD DAY 1977

.30¢ a copy

DATE: SEP 1977



The Winona Amateur Radio Club's 1977 FD site on The George Mathis farm NW of Winona (Photo by Bill Green, WBØPVO).

## CLUB HILITES - SEPTEMBER 1977

MEETING DATE: SEPT 1

PROGRAM: PUBLIC SERVICE Q&A SESSION HOSTED BY WINONA CO. SHERIFF BRUCE STANTON.

TIME: 7:30 PM

LOCATION: GOODVIEW CITY HALL

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EDITOR.....WBØNIU  
STAFF.....WBØSTL, WBØPTB, WDØELS  
Bob Gould

## ERIK SAYS...

"Where are you guys? We're getting pretty dry up here, I wish you would find us so we can go back to the picnic." What's that all about? That was the "fox" of one of the two transmitter hunts held during the Winona Amateur Radio Club picnic Aug 14 at the Farmers' Community Park. About 30 people showed up for the potluck lunch, and the last of the crowd left at about 6:30.

The first hunt was held early in the afternoon and was a walking hunt. I was the fox and Dick Schuh, WAØMDD, and Scott Howard, WDØELS, finely found me in a tunnel under the Northwestern Railroad tracks.

The second hunt was held later in the afternoon and was a riding hunt, using cars instead of horses. Les Hittner, KØBAD, and George Boller, KØDHI, were the foxes, in Les's van. They were eventually found in a

(Continued on P.5)

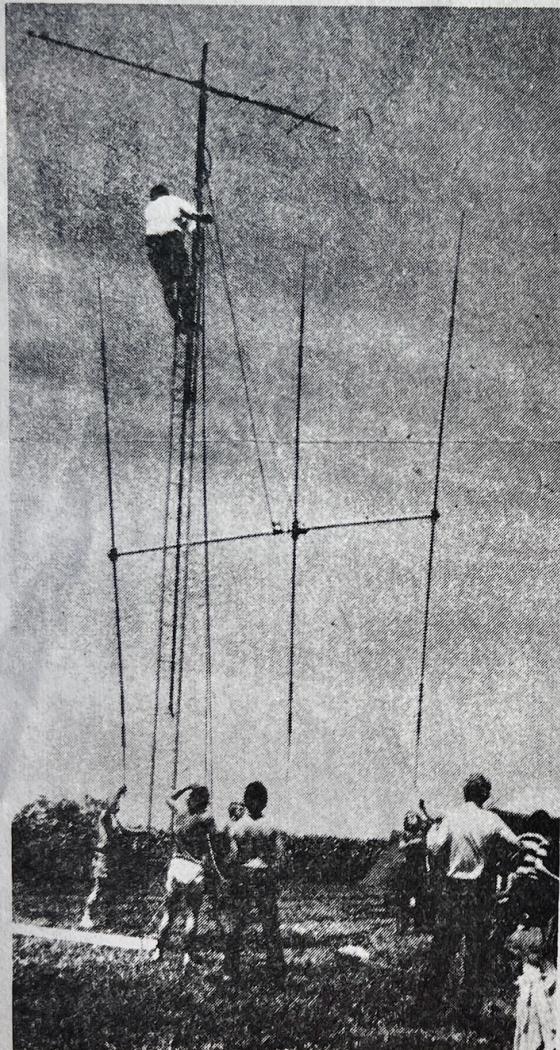
## MURPHY STRIKES AGAIN

The second-to-last paragraph of the article on WØLUX in the August issue of HAMGRAM should read:

When Paul retired last year from foundry activities his associates bought him an ICOM IC-215 Two-Meter rig instead of the traditional Gold watch...



## HIAWATHA VALLEY 10-X



Taking down the tribander,  
KØTK(on tower),(L.to R.),  
WAØUQO, KØEJ, WBØVOD, WBØPTB,  
WBØSTL, WØZFH, WDØELS.  
(WBØPVO)

	INDICIES FOR JULY		
	HIGH	LOW	AVG.
Solar Flux	99	73	83
A-Index	28	5	11.7

Big news this month is the big Minnesota 10-X picnic. This event may be the first annual and is sponsored by the Minnesota Sky Blue Waters, Jackpine, North Star, and Hiawatha 10-X Chapters. This picnic is tentatively planned to be held on September 10 at the Faribault city park. For further information check into the chapter. Some transportation will be provided for those needing it. Everyone who has ever checked into any of the chapters or has an interest in 10 meters is welcome to attend.

All paid up 10-X members are welcome to obtain the new August edition of the 10-X Net and Certificate Directory for an SASE from Chuck, WAØYNQ.

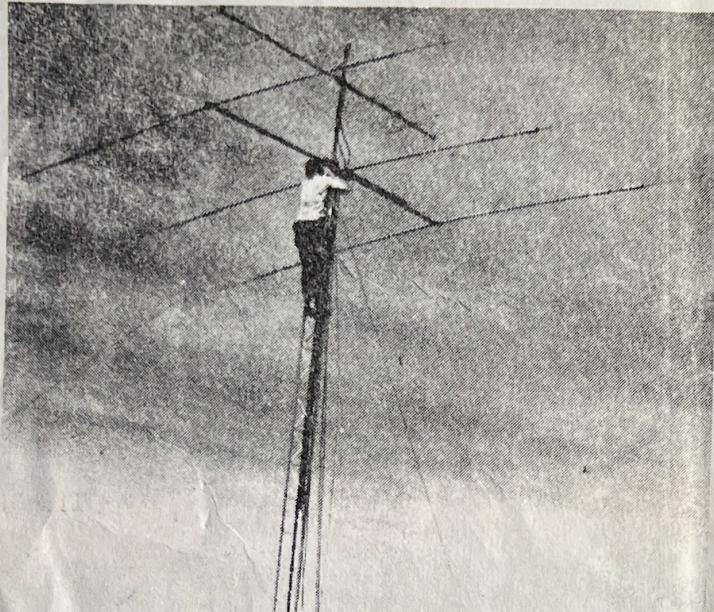
The Hiawatha Chapter meets every Sunday night at 8:00 P.M. on 28.750Mhz SSB.

73, Brian, WBØPTB 13948

## THE HAM'S PSALM

The rig is my shepherd  
I shall not QRT  
It talketh to me when I am lonely  
It leadeth me through strange cities  
Yea, though my XYL nags and complains  
I fear not her QRM, for though art always on  
The mike and the antenna they comfort me  
They inspirirth my ragchewing  
Surely DX and skip will come to me  
On all the bands I am licensed to use  
And I will dwell in the reign of the FCC--  
forever

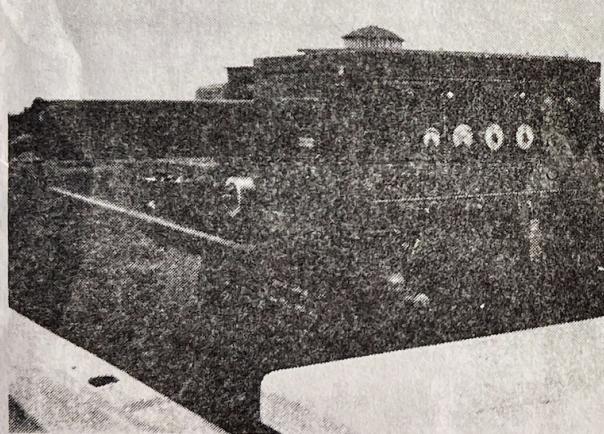
de Bluewater Bulletin  
Goderich, Ontario



Tom Kulas, K0TK, works on the big beam  
(WBØPVO)



Field Day is fun for everyone...Bob Gould's harmonic. (WBØPVO)



The 5KW linear, or is it  
NØJP's MARS genreator?  
(Bob Gould)



Assembling the tower, (L.to R.)  
EUU's son, WBØEUU, WØNE, WØLN,  
WBØNIU, Bob Gould. (WBØPVO)

EDITORIAL  
by WBØNIU

Apathy. Apathy may be the death of the HAMGRAM yet.

In the past several months, I have watched the HAMGRAM staff degenerate from over six hardworkers to two "loyalists" and two or three "semi-loyalists." To make matters worse, three of these will have left for college by this time next year, leaving the entire job to one or two people.

To get the paper to the press, I have spent up to two days and four Thursday nights per month this summer. I regret that I will not be able to continue to devote this amount of time to the HAMGRAM due to the fact that I am starting college. If the HAMGRAM is to stay in existence, we must have a renewed interest in its publication.

At this time I am turning over the editorship to Brian, WBØPTB. Good luck Brian!

Remember, the HAMGRAM staff meets every thursday evening from about 7:30 to 9:30 at the offices of the Brom Foundry on 6th street in Goodview. See you there!!

## REPEATER RECAPS by KØBAD/WRØAIY

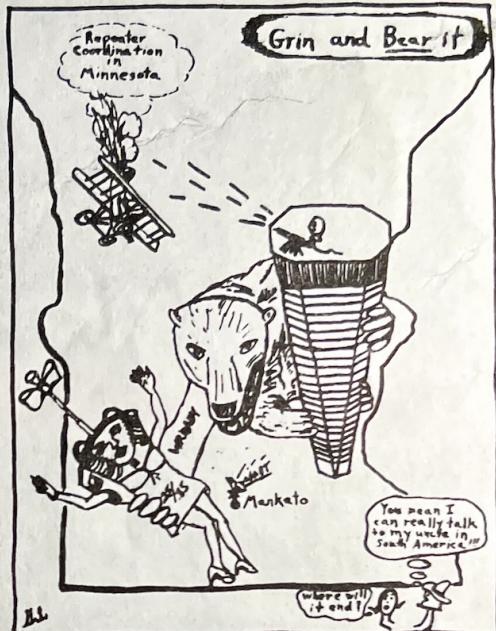
Well, it has begun to happen....Mankato repeater users are beginning to access the Metro-area 25/85 "monster," and the city guys are beginning to make snide remarks, like, for instance, "The Mankato users get into our system better than their own," or, "Mankato has such a poor receiver that they must use high - power to get into it, thus causing problems with the Metro 25/85 machine." Since the amateurs who were saying this were in the Metro area, I hardly think that they were in a position to judge the quality of reception on the Mankato machine, nor did they determine the power level of the Mankato users at the time in question. Face it city boys! You're outside your service area. You made your bed, now sleep in it.

Quite frankly, one of the better sounding machines in the Metro area now sounds as un-professional as CB channel 19....Simply because they had to become "bigger." Well higher is not necessarily bigger and it sure is not better.

While we are at it, let us talk about the newly-formed "Twin City Repeater Club." Said to be a "democratic" repeater club, they have litteraly demanded THREE 2-meter repeater pairs for new machines. Just what the Metro area needs! Not only that, but also there are only 15-20 people in the "club." The channels are not available, but they are going ahead anyway and it has the Minnesota Frequency Coordinator in a heck of a spot....Is it "CB" mentality, or are they a bunch of kids?

The other night some city guys were talking about the surplus of technically qualified amateurs that made their repeaters superior to those in other parts of the state. Seems these 25/85 users felt that "outstate" machines were not as good because there was not a large corps of technicians to draw on like there is in the Metro area.

Too bad the Metro technicians do not have a little common sense to go along with their engineering ability!



### SHOCK HAZARD

via August 77, POPULAR ELECTRONICS

Hams have long been aware of the effect current can have on the human body, but are you aware of the small amount of current it takes to cause danger to you. Printed below are the effect of electrical current passing through the body from arm to arm. These measurements were made at 60Hz:

CURRENT	EFFECT
0 to .5ma	Little or none
.5 to 1ma	Tingling sensation
1 to 5ma	Mild pain
5 to 10ma	Severe pain
10ma to 100ma	Muscle contraction
100ma to 2amps	Ventricular fibrillation
over 2amps	Lethal if sustained

The currents and effects above are for the normal human being in good health. Except for the over 2amps, all effects listed are for sustained contact.



Inside the tent KØEJ(front), WØRIF,



(back to front) WBØSTL , WBØNJV,  
WBØVOD. (both by Bob Gould)

ERIK SAYS...  
(Continued from page 1)

hay field north of Lewiston by John Sheehan  
and I "riding" in my car.

The hunts went quite well, considering that no one had DF antennas and not everyone had S-Meters. It was found that by holding a handheld and turning around, that the direction of the fox could be determined to be a certain direction, or the opposite direction. Several of those participating are considering building DF antennas.

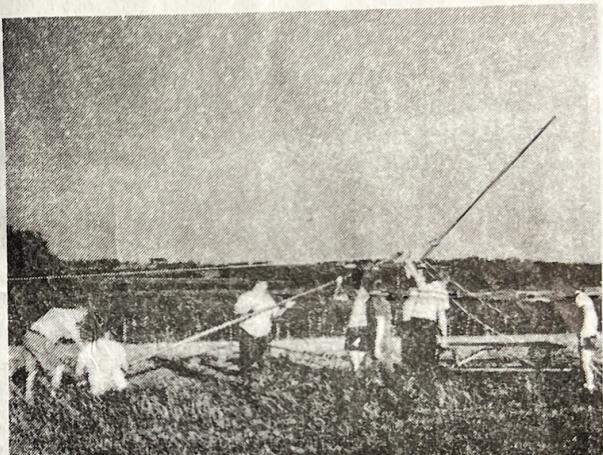
I would like to thank Dick Schuh and his helper Scott Howard for the fine job they did planning the picnic and to Pete Peterson for the traditional Norwegian Coffee. And to all the XYL's for all the delicious food "A good time was had by all."

See you all next meeting. (See "Club Hilites" for the program, which should be very interesting and informative.)

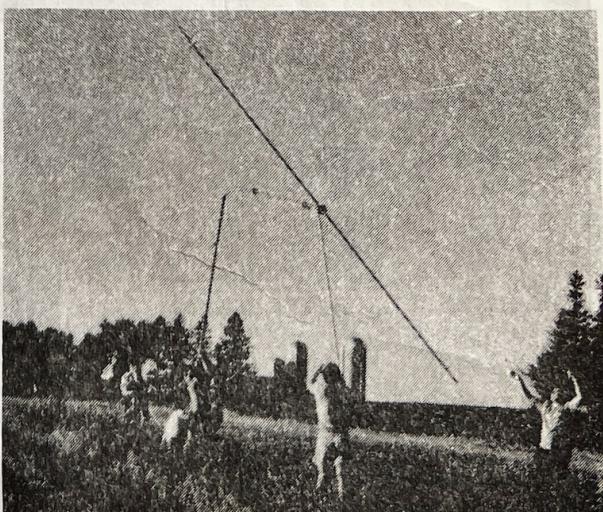
73 Erik

## CHOPPING BLOCK

Do you need a Meter, Power supply, Power transformer, Variable Capacitor, or Variac? If you do, contact "Pete" Peterson, WØLN. He may have what you need.



The 40 meter quad about to go up...



000  
P  
S! (both by WBØPVO)

### TRI-STATE NET DIRECTORY

NET NAME	FREQ.	DAYS	UTC	PURPOSE
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#### IOWA

Association of Saints Church Radio Amateurs	146.13/ 146.73	Dy	1300	ETWO
Mid States Weather Net	3940	Dy	0000	EW
Nebraska P.M. Net	3977	M-F	2100	ETWO
Ringgold Wireless Net	21.150	Th	0300	S
Iowa Novice Net	3710	Dy	0430	S
Iowa Tall Corn Net	3560	Dy	0300/0400	S
Iowa 75 Meter Net	3970	M-S	1830/0000	S

#### MINNESOTA

Great Lakes Emergency and Traffic Net	3932	M-S	0230	ETW
Mankato Area Radio Club Net	3925	Dy	2000	TO
Minnesota Amateur Weather Net	3925	Dy	2315	TW
Minnesota Section Net	3685	Dy	0030/0415	S
Minnesota Section Phone Net	3925	Dy	2245	S
Minnesota Section Phone Noon Net	3945	Dy	1805	S
Minnesota Slow Speed Net	3710	M-F	2330	S
Minnesota Weather Net	3925	Dy	2315	S
National Public Operations Net	7043	T-S	0300	ETO (Summer)
	3597	T-S	0300	ETO (Winter)
Piconet All-Day Watch Net	3925	M-S	1500	S
Upper Peninsula Evening Net	3922	Dy	2230	T

#### SOUTH DAKOTA

Sandhills Weather Net	3950	M-S	1930	ETW
South Dakota CW Net	3650	Dy	0100	S
South Dakota Evening Net	3955	Dy	2330	S (Summer)
			0001	(Winter)
South Dakota Morning Net	3960	M-S	1400	S
South Dakota NJQ Net	3955	Dy	1815	S

Days of operation: Dy is daily(seven days per week). Days of operation are in UTC, not local time.

Purpose: E=Emergency Preparedness; T=Traffic Handling; S=NTS Section Net;  
W=Weather; O=Other

Frequencies in KHz except this above 10 meters are in Mhz.

This net directory lists all nets in the tri-state area that have registered with ARRL since the latest printing in August 1975.

Only those nets whose primary purpose is public service, and which operate inside the amateur bands are listed.

This information was taken from the ARRL net directory 1976-1977, published by the American Radio Relay League.

via Worthington ARC "5X9"