



HAM HUM

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AK-SAR-BEN RADIO CLUB, INC. - Omaha, Nebr. 68101
Post Office Box 291 - Downtown Station



July 1972

Vol. XXII
No. 7

NEXT MEETING

WHEN: FRIDAY, JULY 14, 1972

TIME: 8:00 P.M.

WHERE: UNIVERSITY OF NEBRASKA AT OMAHA
ENGINEERING BUILDING—ROOM 256
64th and DODGE STREETS

WHAT: PROGRAM — THE ART OF MOBILING
James C. Droege, WØYCP, and Frank D. Taylor,
WØGOJ, will discuss FM and/or SSB mobiling and
Edward F. Askew, WAØRDZ, will discuss HF. Also,
highlights of Field Day activities by Marion (Mike)
Wilczynski, WAØBMV.

REFRESHMENTS — EYEBALL QSO'S

VISITORS WELCOME

HAM HUM is the official organ of the Ak-Sar-Ben Radio Club, Inc., of Omaha, Nebraska, mailed monthly to all members and to others upon request.



Next copy deadline: July 21st

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Douglas A. Blakeslee, W1KLLK



JUNE MEETING

By Bob Andrus, KØLUG

The June meeting of the Ak-Sar-Ben Radio Club, Inc. turned out to be an interesting experience for more than the old-timers. We had an excellent talk on antennas by Douglas A. Blakeslee who is from the Technical Department of QST. To those of you who missed this talk, we can only say you missed a darn good explanation of antennas! Some of us thought we were using the best type antenna, but we were enlightened by his explanation. Doug, as his friends call him, brought

out hints on antennas such as the inverted V and the folded dipole to show us we could use some improvement in our thinking.

For those of you who think in terms of age for a ham license, Doug was only thirteen when he received his first ham ticket. From this beginning he has had the calls F7DB and W1KLLK. The F7DB call was assigned to him while he spent time in France with the Air Force.

Doug's current responsibilities at ARRL include work as editor of the *Radio Amateur's Handbook*, editing QST articles, overseeing the staff and activities in the ARRL lab, writing the FM chapters in the new edition of the *VHF Manual* and sections of ARRL's FM/Repeater book. He also is

writing features on such diverse subjects as SSB transmitters, FM receivers, HF receivers, linear amplifiers, integrated circuits, test equipment, and optoelectronics. That is a mouthful, Hi! Needless to say, with that background you can see why everyone enjoyed the talk.



L. to R.

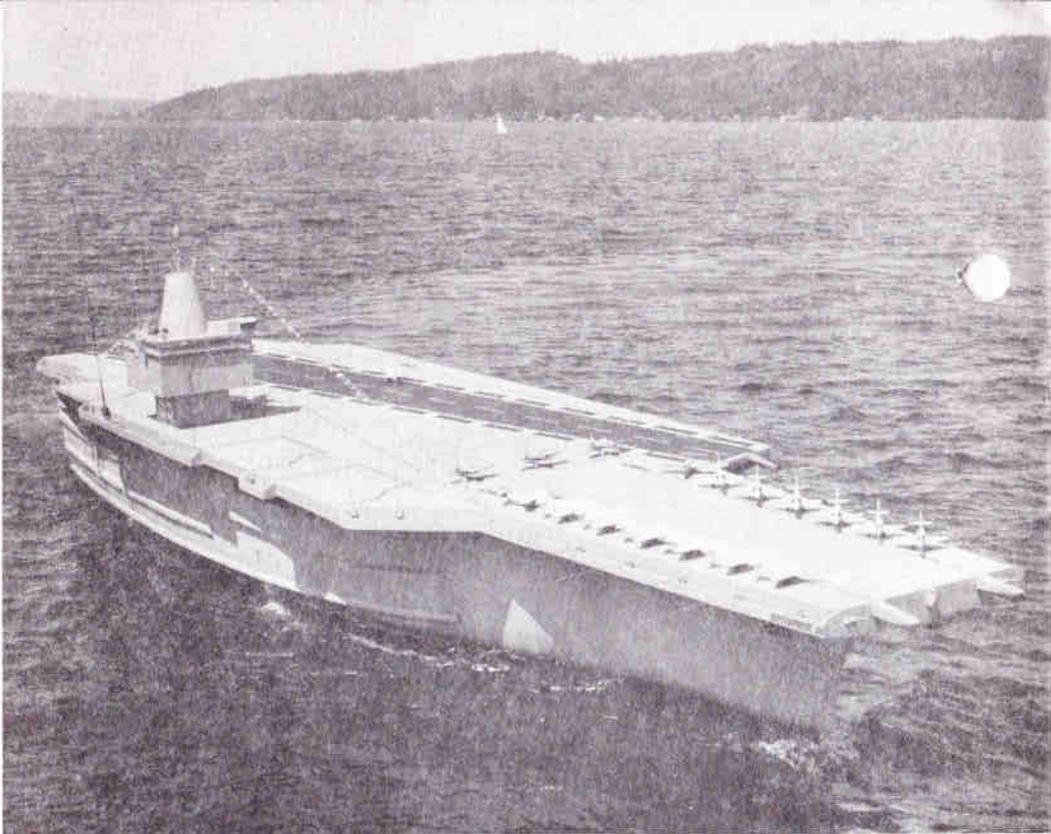
Vice President Bob Andrus, KØLUG
Doug Blakeslee, W1KLK

President Ed Askew, WAØRDZ
Treasurer Charles Kelly, WAØUZX



Crowd at June Meeting





JOIN THE NAVY AND SEE THE MISSOURI

By—Hugh Tinley, KØGHK

Draw up a chair and let me tell you about the "sea duty" John Orr, WØPHW, and I pulled on the Navy's aircraft carrier ENTERPRISE, JR. Over the Memorial Day weekend this little 55-foot critter finished its month-long voyage up the Mississippi and the Missouri to its new home port in Omaha. The Friday before Memorial Day, the Navy took John and me down into Kansas where we picked up the ship for its final **three-day** run into Omaha.

We took two rigs with us, a Galaxy

V and a Swan 500. We used two Hustler whips mounted on the flight deck and as it was a wooden ship had to work some radials in to get the SWR down so we could live with it. Power came from a small putt-putt and the voltage, depending on what was being used, would vary from 70 volts to 170 volts. We shared the ju with the coffee pot, search light, and the bilge pump.

The ENTERPRISE, JR. is quite a little ship; it sleeps four and has good eating accommodations; it has an

excellent cabin aft (that's the way we sailors put it) and that's the cabin John and I made into a ham shack. One of the windows was right over the exhaust and when the wind was right, I could hardly breathe. The ship had a 250 h.p. diesel that is right beside the cabin; the roar of that thing just about eliminated the use of loud speakers. We slept on board one night using sleeping bags and the other two nights put up in motels. It was quite a casual arrangement.

The ship has a four-man crew and the Captain was a Chief Petty Officer and a grand guy, Dennis K. Farris, a soft-spoken Southerner who as an ambassador of goodwill did the Navy a tremendous amount of good on this trip up from New Orleans. Every place we stopped there were crowds with gifts and remembrances.

I'll never forget our first night. We tied the ship to a cottonwood tree and checked into a motel. We gave our name and address and for the firm we were representing put "U. S. Navy." For type of automobile, we put "aircraft carrier." We thought for a minute the gal behind the desk was going to call for the men with the white coats and the net!

The F.C.C. gave us a special call, WSØEJ/Ø. The S was for "special" and the EJ was for "ENTERPRISE, JR." The cooperation we got from the F.C.C. made me realize how partial they are to hams and you would think we were doing them a favor.

When you go on 20 meters with a weird call like WSØ it's like dropping a firecracker in church. When you follow up with the statement that you are on an aircraft carrier on the Missouri River, the fellows feel either

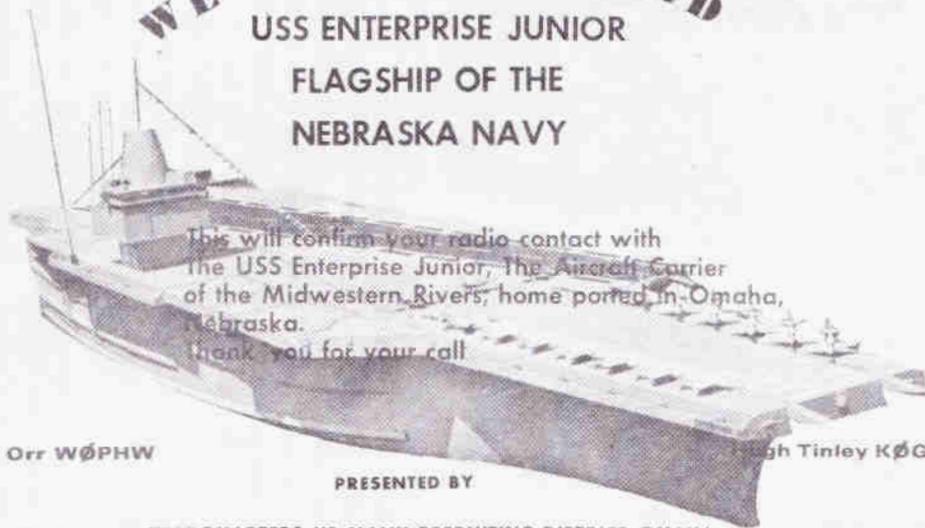
they aren't hearing right or you're crazy — possibly both. You can't imagine how popular you are with a combination like that. You feel like you're the only bartender in town on a hot afternoon. To cap it off the Navy had some grand certificates which they offered to anyone who worked us. These certificates are quite attractive and the fact the Navy was handling the mailing and using franked envelopes took the work out of it for us.

We were on all the bands from 10 through 75 plus a 4015 Navy MARS frequency that was cleared for us. We used 4015 to handle the dope for the radio, TV and newspapers. Everything worked like a million bucks with the possible exception of 75 and 4015; the performance of the whips on these frequencies was mediocre. We made up for it on the other bands, particularly 20. We got reports of S-6 and 7 from Australia though we had more fun working the fellows in the States than in chasing DX.

This four-man Navy crew couldn't have treated us better. We got to know them very well and they didn't seem to object to stumbling over the radials we had laid out all over their flight deck. You didn't want to stumble too much out there because with no guard rails on the old girl, you could go in the drink real, real easy. Whenever we got tired of turning the ham bands upside down we would go on deck and watch the expression on the faces of people as we chugged upstream. Two super patriotic ex-Navy men from WW II came charging out to refuel us with beer one hot afternoon. If the guy who tossed the cans had been a gunner, the Japs certainly would have been safe. At a range of six feet he put

WELCOME ABOARD

USS ENTERPRISE JUNIOR FLAGSHIP OF THE NEBRASKA NAVY



This will confirm your radio contact with
the USS Enterprise Junior, The Aircraft Carrier
of the Midwestern Rivers, home ported in Omaha,
Nebraska.
Thank you for your call.

John Orr WØPHW

Hugh Tinley KØGHK

PRESENTED BY

HEADQUARTERS, US NAVY RECRUITING DISTRICT, OMAHA

C.I. SHAW
CDR. USN
COMMANDING

DATE

30 May 1972

the first can in the drink, the second one went right against the side of the ship, and the third just about went over the top. Their patriotism was appreciated, however, as John and I were so hoarse by then we could only talk and it was good to splice the main brace.

If you ever plan a caper like this, here is a word of advice - pick your company well. I did that and picked John Orr. I was lucky! He wasn't so lucky, he got stuck with me. Most of you know John and realize what a grand guy he is. He was just as thoughtful at the end of a 16-hour day as he was at the beginning. I'm sure a couple of times he was sound asleep as he plowed out of the cabin and up to the flight deck either to kill the generator when it ran away or to fill it with gas when it konked out. If I was ever asleep when I went charging out of there, I always woke up in a hurry because I smacked the same beam with my head seven times in a row. When you are 6 feet tall and have 5 feet of head room you have troubles - and I have the scars to prove it.

Yes sir, being a Navy radio man can be a lot of fun!

FOR SALE

2 meter FM equipment: Galaxy 210; Motorola 5V; and Motorola Handie Talkie with batteries and charger.

Dick Eilers, WØYZV
7838 Poppleton Avenue
Omaha, Nebraska 68124
Phone: 391-2255

FOR SALE

14AVQ Vertical with LC 80Q Loading Coil still in box with warranty card. Price \$35.00.

Call Robert Broom, Jr., KØOQL
Bus.: 221-3374
Home: 457-4237
4018 Wirt Street
Omaha, Ne. 68111

June 22, 1972

Ham Hum
Ak-Sar-Ben Radio Club, Inc.
P.O. Box 291, Downtown Station
Omaha, Nebr.

Hi:

The Director's Letter, Midwest Division, by Director Andy Anderson, KØNL, includes a questionnaire that has one question about elimination of AM on lower frequencies.

Obviously the few operators still using AM are not threatening SSB, but the offering by manufacturers of separate transmitters and receivers, with a choice of equal power on SSB or AM, is the reason for the suggestion of this restriction on amateurs.

The industry, recognizing the inadequacy of SSB, is abandoning its use. Why restrict amateurs to a mode that has failed to provide satisfactory communications in either commercial or amateur radio service?

73,
Dayton L. Phifer, WØVEA
East Tryon Route
North Platte, Neb. 69101



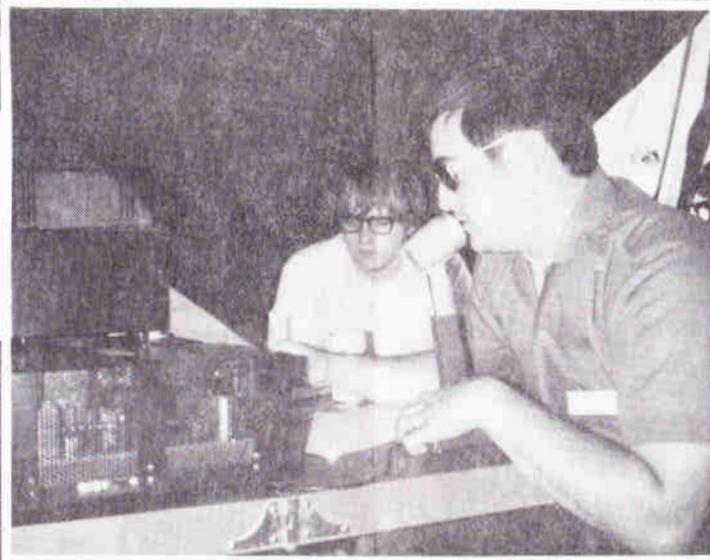
WAØZPW, Bob Serlet (logger)
WBØCLU, Jim Garr (operator)
(40 meters)

FIELD DAY PHOTOS
JUNE 24 - 25, 1972

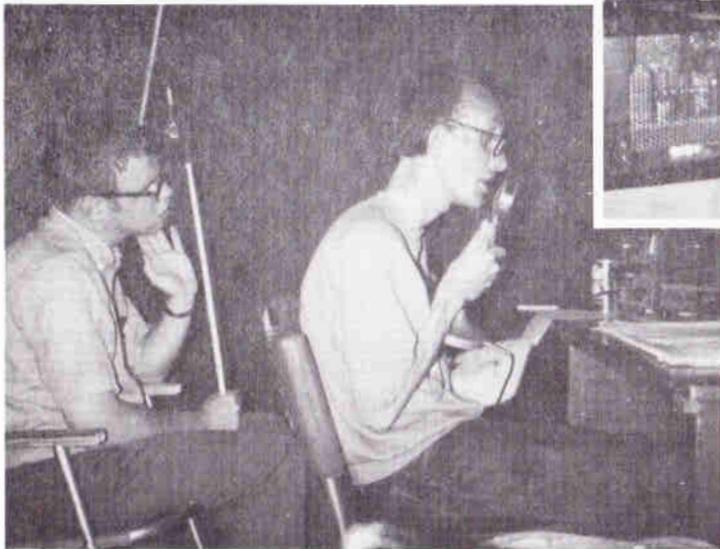
(Report and results will appear in
next issue of Ham Hum.)



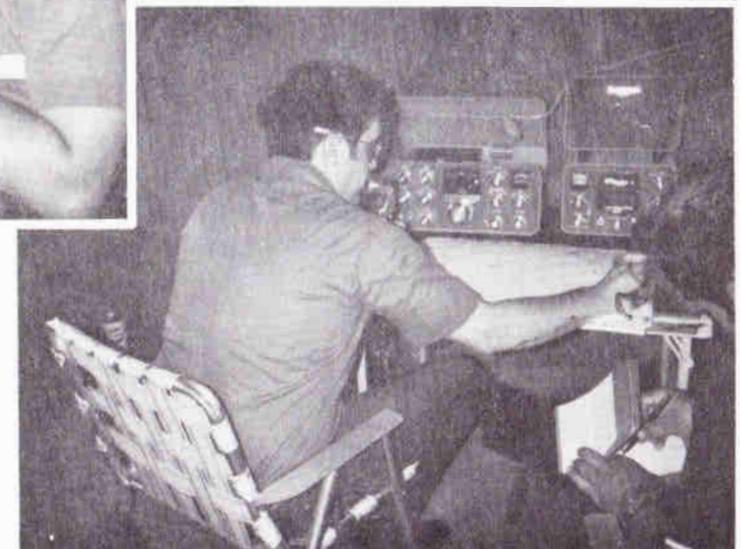
WNØEBA, Bob Hendricks
WNØEGR, Pat Scolla
WNØEMH, Jeff Dixon
WNØCKX, John Klingman



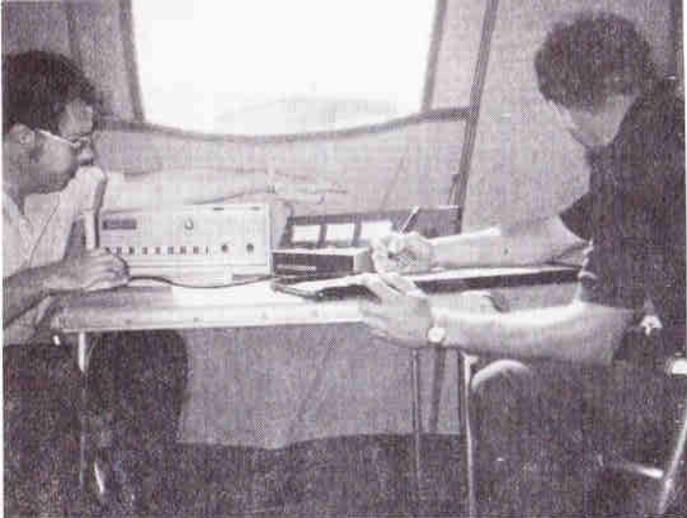
WBØDDZ, Randy Curtis
WBØGAJ, Rick Riportella
(40 meters)



WNØCKX, John Klingman
WAØEXQ, Tom Moeller
(20 meters)



WBØGAJ, Rick Riportella
(40 meters)



WB9HJM, Wayne Heck
WØYCP, Jim Droege
(VHF)



WNØHCD, Pat Hennesy
WNØEMH, Jeff Dixon
WNØCKX, John Klingman



CHOW TIME





20 METERS MOVED OUTSIDE DUE TO HEAT

JULY MEETING

By Bob Andrus, KØLUG

Since the next meeting will be in the summer month of July, we figure that a great number of hams will be out in their mobiles someplace for vacations or just driving. With this in mind we have asked the help of WØYCP, Jim Droege, and WØGOJ, Frank Taylor to get something together on the art of mobiling – FM and/or SSB as the case may be.

As most hams in the Omaha area know, both WØYCP and WØGOJ have worked on the repeater here in Omaha and Council Bluffs along with a number of other hard-working hams, and can give us some good advice on what to use for the best all around mobile piece of equipment, antenna,

and how many crystals it takes to do a good job. Not to be outdone for lack of interest by any means, we also have asked our worthy President to put in something for the HF mobile category. As we know, WAØRDZ, Ed Askew

can do good in the FM or HF mode, so look forward to a very interesting program.

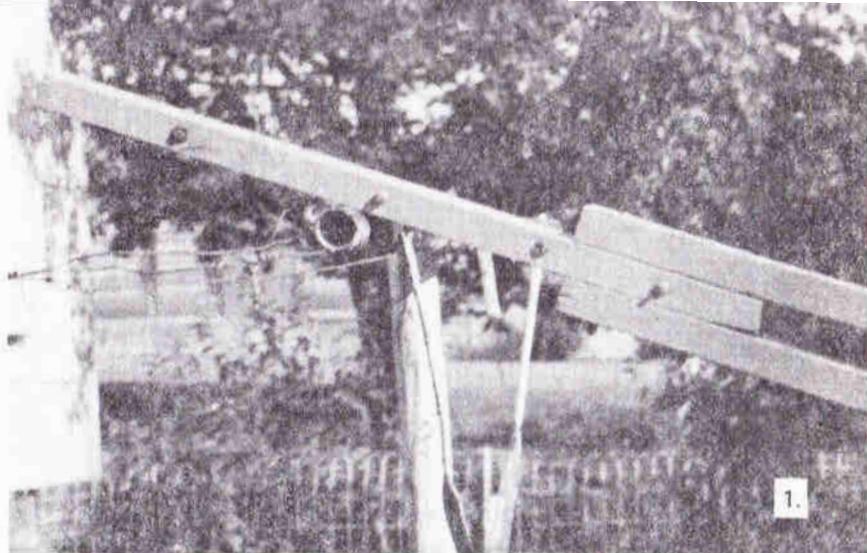
Along with the program we expect to have a rundown on Field Day activities by Mike Wilczynski, WBØBMV. See you all there!

NOTES FROM READERS

Hi to all and thanks for continuing the Hum. Minnesota is a fine state but no 6 meter activity. Local club is installing 2 meter repeater to link with St. Cloud and then Minneapolis – who knows, maybe Des Moines, then Omaha too from Brainerd.

Anyone care to swap 2 meter FM gear for 6 meter transceiver with VFO, plus 3 element Hy-Gain? RSVP

Jim, Knudsen, WAØMHF
704 Fir Street
Brainerd, Minnesota 56401

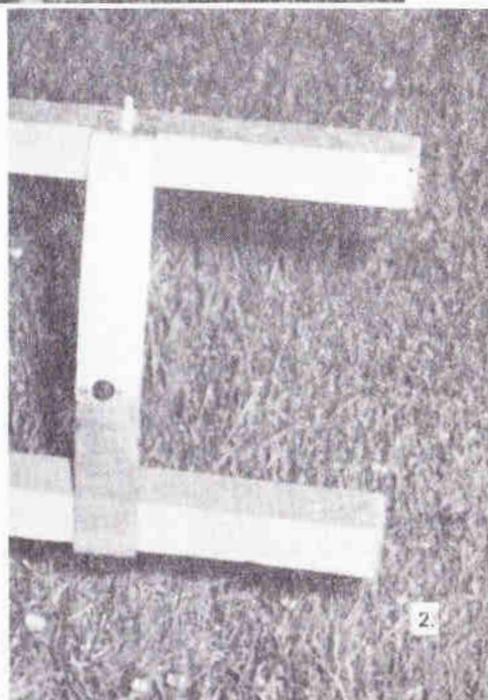


CHEAP TILT-OVER TOWER

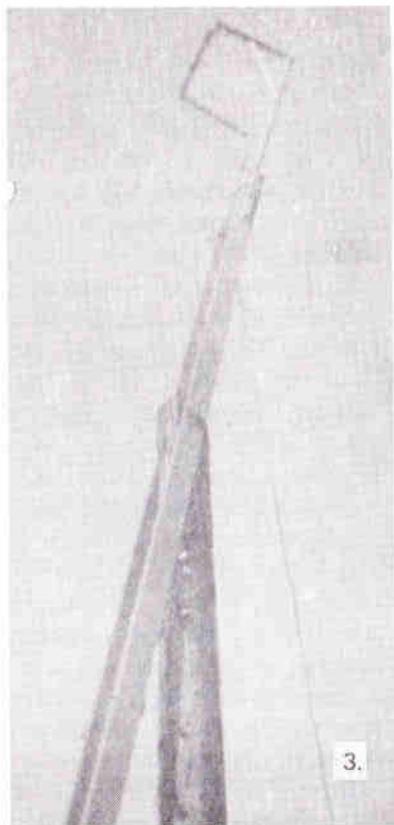
A.R.S. WA@GUD
 301 Washington
 Audubon, Iowa 50025
 June 21, 1972

Materials required: 1 - used utility pole (price \$2.00 to \$5.00); 2 - 18 ft. 2 x 4's (price \$3.00 each); 1 - 3 ft. 2 x 4 scrap lumber; 2 - long bolts which can be obtained from used utility poles (usually power company will give these to you when purchasing the used pole).

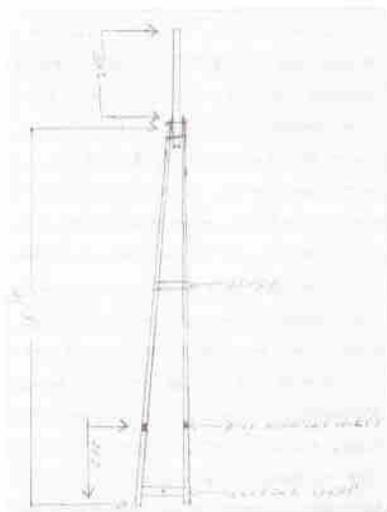
Construction: The 2 - 18 ft. 2 x 4's are bolted together at one end with the short 3 ft. piece between them, thus forming the top of the tilt-over section (see picture 1). The short piece is for mounting antenna or rotor. The 4 bolts in the picture were used because I split the short 2 x 4 by accidentally dropping it when assembling. A metal brace was bolted at midpoint on the 18 ft. section to minimize side sway shown in drawing. Picture 2 shows the locking system used after the tilt-over section was up;



it consists of a piece of metal bent to allow the 2 x 4's to come up along side of the pole. Slots should be cut in (C) strap to allow adjusting the tilt section to exact vertical. A hole was drilled in the pole and the strap and a long bolt run all the way through the pole to securely lock the tilt section.



The holes to mount the tilt section to the pole were made 5 ft. from the bottom to provide some leverage, but with a CDR rotor and 10 element 2 meter beam this was not enough leverage so I added a metal bracket extending another 3 ft., a total of 8 ft. from pivot point (picture 3). With a 35 ft. utility pole set in the ground 5 ft., after the top was tilted over this put the antenna 15 ft. above ground and required the use of a ladder. I later required some of the pole spikes, screwed them into the pole, and this made working on antenna quite easy. The long bolts and washers and the screw-in spikes were all obtained from the used poles at the utility company.



FOR SALE

RCA car fone with 34-94 - \$40.00;
also 19" cabinet rack 70" high with
door and rollers - \$10.00

Mike Wilczynski, WØBMV
Phone: 571-7932

6/1/72

Dear Dick:

Just a few lines to let you know that I have sold all articles I had for sale in Ham Hum except one item and will appreciate it very much if you will list one for me in next Ham Hum. Thanks a lot. WAØABI, H. Velte.

FOR SALE

Hornet Triband Beam
10-15-20 meters. A real
bargain - \$40.00.

H. Velte, WØABI
2242 Fort Street
Omaha, Nebraska 68110
Phone: 455-9952

From CONGRESSIONAL RECORD
June 22, 1972

HAMS SERVE US

Hon. Charles Thone
of Nebraska

in the House of Representatives
Wednesday, June 21, 1972

Mr. THONE. Mr. Speaker, radio amateurs, licensed by the Federal Communications Commission to operate broadcasting stations on a noncommercial basis, call themselves hams. They form one of the most valuable groups in the United States in giving public service, particularly in times of emergency.

There are more than 270,000 hams licensed by the FCC and more than 100,000 are members of the American Radio Relay League, the ham's association. Hams have provided advances in radio techniques, bouncing signals off the moon, and developing the single-sideband system, since adopted by the military as their means of communication.

Hams provide the only link for the outside world in remote areas, such as Pitcairn Island. Hams were the means by which Thor Heyerdahl's Ra expeditions remained in touch as they crossed the ocean.

Whenever there is a disaster, such as the flood at Rapid City, S. Dak., in 1972, or the Alaska tidal wave of 1964, the hams are on the air 24 hours a day providing communication. They serve in little publicized ways also. For example, a fire on railroad property in Nebraska was quickly extinguished

earlier this year because it was reported by a radio amateur.

One of the greatest public service ventures involved with the war in Vietnam was organized by a Nebraska ham, Hugh Tinley. Back in 1967, he arranged with the Pentagon for establishment of an amateur radio station in Vietnam, operated by hams in service. Through this station and the hams in America, about 30,000 mothers, wives, and children have talked to their servicemen in Vietnam in a project called Operation Hello.

A man who had just escaped after being a prisoner of the Vietcong was able to inform his mother personally of his safety through Operation Hello. A mother who had just been informed that her son had been wounded was reassured by a personal call from him. A wife and mother of a Marine captain talked to him shortly before he was killed in battle in Vietnam. They wrote: "You can understand how precious that call was."

The radio amateurs are organized to work both with the American Red Cross and Civil Defense. The week of June 18-24 is Amateur Radio Week and a celebration of the 58th birthday of the American Radio Relay League. This weekend will be the annual field day for thousands of hams, who will travel to unpopulated areas to test their abilities to operate under emergency conditions. With their own power supplies, they will be operating portable equipment; so that they know they are ready to function in event of disasters.

America is grateful for the hams who serve us.

REPEATER CONTRIBUTIONS

Thanks to the following for recent contributions to the repeater fund:

Clark K. Stansbury, WAØROP

Lynn A. Blesh, WAØODH

FOR SALE

Home brew 2 kw linear
amp - \$150.00

Call KØRVJ, Wally Dabelstein
1419 South 54th Street, Omaha
Phone: 556-9586

Slogan: "Slow up today; show up
tomorrow!"

Service



"Expense accounts? Why, naturally I filed them under 'X'!"

MEMBER NEWS

May 31, 1972

Had over one hour QSO with ex-member of Ak-Sar-Ben Radio Club, Sid Miller, K4FKB, 219 Baker Drive, West Palm Beach, Florida 33401, who would like to receive "Ham Hum."

He was one of the organizers or spark plugs in organizing our radio club along with Ed Nelson. He is now a retired Army Colonel at age 59.

Art, WØFQB

QSO on 14.280 Mhz 1908Z.

* * *

Hi: We left Omaha May 28th and have been with friends in Waco since the 29th. Today (6/5) we hope our sunburns won't bother a trip to Corpus Christi or Galveston. Camped at Lake Waco 3rd and 4th - Sat. nite at 12:40 we heard faint cries-HELP-very windy on large lake. We reported this and police and two patrol boats found capsized boat about 2 A.M.

73,

Jim, KØDNE, XYL, Darrin (22 mos.) and Niel (7 mos.)

INFO FROM
ALAN FLEMING
WØBNY

1169 South St., Blair Ne 68005

Finally found the address for the FM Schematic Digest for anyone interested:

FM Schematic Digest

S. Wolf

1100 Tremont Street

Boston, Massachusetts 02120

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- * TRUE 1/4 WAVE RESONANCE ON ALL BANDS.
- * SWR OF 2:1 OR LESS AT BAND EDGES.
- * RADIATION PATTERN HAS AN OUTSTANDINGLY LOW ANGLE WHETHER ROOF TOP OR GROUND MOUNTED.

2 METER CRYSTALS - \$6.00 EACH

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FOR DRAKE ML-2: 146.16(T) - 146.22(T) - 146.82(R)

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