



HAM HUM

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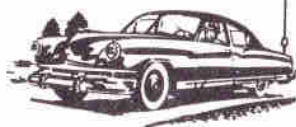
September 1970

See you at the Ham Fest and
Steak Fry on Sunday,
September 13, 1970, at
Benson Park Pavilion,
70th and Military, Omaha -



12:30 p.m. to 5:00 p.m.

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: September 25th

COULD THIS HAPPEN IN OMAHA?

When we were on vacation this summer we pulled into a beautiful park in the Ouachita Mountains in Southern Arkansas to camp for the night. By the time I got the lawn chairs set up and the wife got the iced tea glasses filled, two men camping near us came over.

They had noticed the antennas on the camper and the call signs on the back and wanted to talk "Ham Radio." These men were neighbors in the Central Louisiana area and both were very interested in becoming amateurs. They had bought the ARRL books to study and code practice kits and one bought a T4X for listening to W1AW.

After studying the books and getting their code up to 5 wpm, they tried to get an amateur to hold the novice tests for them. No luck! They said they couldn't even get anybody to talk to them on the subject or give them any information as to what to try next. There is no radio club in the area.

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AK-SAR-BEN RADIO CLUB, INC.

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Who can really blame the man who bought the T4X for getting it converted to CB and going on the air? He seemed like the kind of man who would be a credit to ham radio if he could only get started.

Let's hope no one in this area runs into the problem these men did. So the next time a CBer starts talking to you, please listen. He may be a frustrated ham and needing help.

Royce E. Johnson, WAØKIL

FOR SALE

Dear Club Friends: Just a line to let you know I have my KWM-2 going. I am on 40, 20, 15 meters.

I have a Vibroplex "Vibro-Keyer" for sale. Highest offer.

73,

Alan L. Fleming, WØBNY

1169 South Street

Blair, Nebraska 68008

Phone: (402) 426-2380

AUGUST MEETING

The August meeting of the Ak-Sar-Ben Radio Club, Inc. proved to be the most interesting and well-ended summer meeting on record. All this was the result of a "Film Festival" starting with "Ham's Wide World," which is a documentary on Ham Radio narrated by Arthur Godfrey, K4LIB, and endorsed by Barry Goldwater, K7UGA. John Orr, WØPHW, brought a couple of films from the Northwestern Bell Telephone Company on "Micro circuits" and "World Wide Communications." All these were terrific color presentations covering the subject areas.

Refreshments and an eyeball QSO followed, making it a most entertaining evening. We are indeed in debt to Dick Eilers, WØYZV, for lining up the films. Thanks again, Dick!

OFFICIAL BULLETIN NR 286 FROM ARRL HEADQUARTERS NEWINGTON CONN AUG 20 1970 TO ALL RADIO AMATEURS BT

The new edition of the ARRL Net Directory is now ready for distribution, earlier than in recent years. This useful operating aid tabulates net listings by frequency, net name and state. An addressed legal size envelope with twelve cents postage will bring your net directory to you by return mail. When requesting, please mention the call and frequency of the station transmitting this bulletin AR.

ACTION EDITOR

Did you notice the item in the "Action Editor" column of the Omaha World-Herald, August 29, 1970, wherein a lady from Tecumseh, Nebraska called for help in finding out the head of the group of amateur radio operators who gets servicemen in touch with their families at home? The Action Editor put her in touch with Hugh Tinley, KØGHK, and his "Operation Hello." The article quoted a nice letter of thanks from Mrs. Kenneth Stinson as well as Hugh's answer. His answer was particularly important, as those of you in any of the Mars phone patching operation will know, since it points out that calls originate normally from Vietnam and that it is very difficult to work the system backwards.

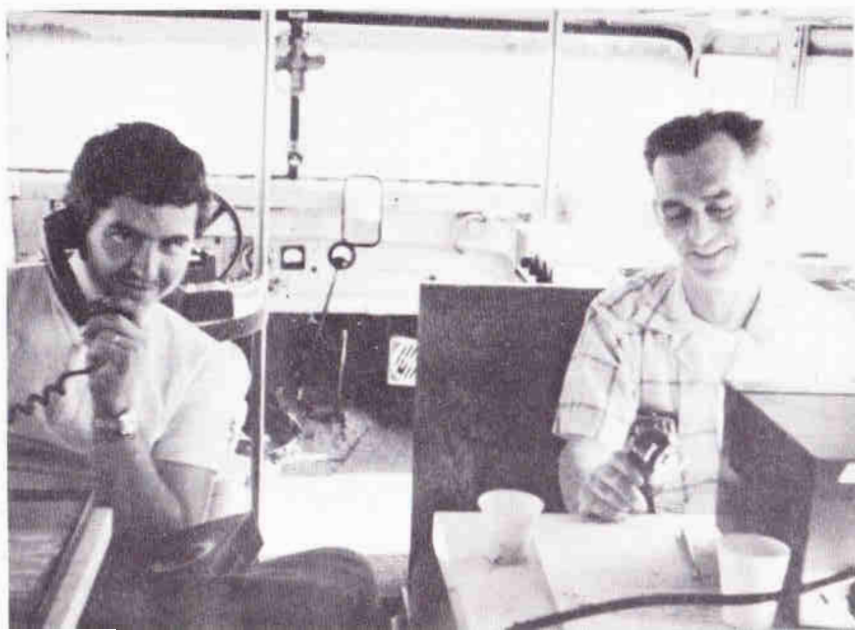
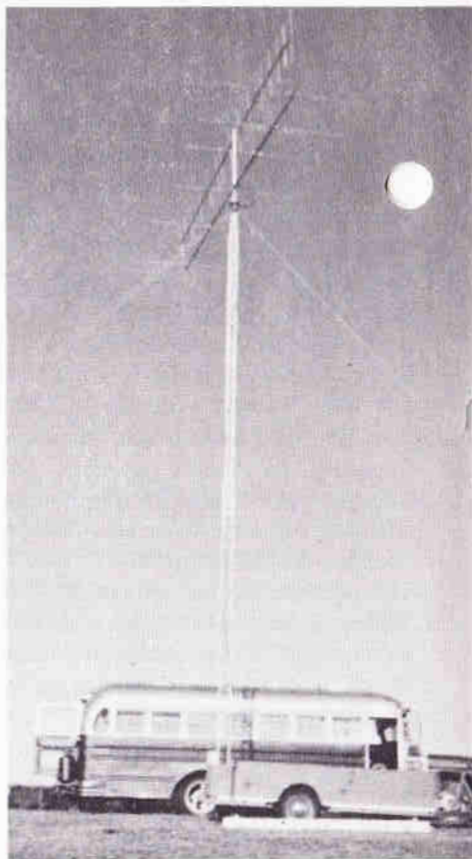
Hugh will no doubt get some calls as the result of people reading the article but his reply to Mrs. Stinson will probably help them in understanding.



"Grandpa, don't you think it's time you shaved off your beard and stopped trying to look young?"

ADDITIONAL PHOTOS
FIELD DAY 1970

SUBMITTED BY KOMSS





ARMED FORCES DAY 1970 COMMUNICATION TEST RESULTS

This year's annual Armed Forces Day communication tests sponsored by the Department of the Army, Navy, and Air Force once again proved to be a highly successful event.

Eight military radio stations, WAR (Army), NSS (Navy), and AIR (Air Force) located in the Washington, D.C. area; A6USA (Army) and NPG (Navy) in San Francisco; A5USA (Army) in Fort Houston, Texas, and NSSAM/NPGAM (Navy aircraft East and West coast) conducted the communication tests on 16 May 1970. The tests included military-to-amateur crossband operations and receiving contests for both continuous wave (CW) and radioteletypewriter (RTTY) modes of operation.

CROSSBAND RESULTS

WAR, NSS, NPG, and AIR had a combined total of 8,208 QSO's during the twelve hours and forty-five minutes devoted to the military-to-amateur crossband portion of the communication tests. Included in this total were 197 air/ground QSO's made by Navy aircraft on the East and West

coast. Commemorative QSL cards have been mailed to all contacts that could be identified in the Spring 1970 issue of the "Radio Amateur Callbook Magazine." Any amateur who has not received a QSL card confirming his contact should address a request for confirmation to the appropriate station, or Armed Forces Day Contest, Attention: Headquarters, U.S. Air Force, PRCOM, Room 5B531, The Pentagon, Washington, D.C. 20310. This request must include the amateur's call sign, the station worked, time of contact, and the frequency utilized by the military station.

CW RECEIVING CONTEST RESULTS

There were 420 perfect entries for the 25 word per minute CW Broadcast Message originated by the Secretary of Defense. A Certificate of Merit has been mailed to all those individuals who submitted a perfect contest entry. The complete text of the 25 word per minute Morse Code Message is printed below:

- R - 162100Z MAY 70
- FM WASHINGTON DC
- TO ALL ARMED FORCES DAY PARTICIPANTS

GR 200 BT

ARMED FORCES DAY HAS TRADITIONALLY BEEN DEDICATED TO THOSE UNIFORMED AMERICANS WHO SERVE THE DEFENSE NEEDS OF THE UNITED STATES AT HOME AND OVERSEAS PD IT IS ALSO APPROPRIATE THAT ARMED FORCES DAY BE DEDICATED TO THE

MANY THOUSANDS OF VOLUNTEER CIVILIAN RADIO AMATEUR OPERATORS WHO CONSTITUTE THE LARGE MAJORITY OF THE MEMBERSHIP OF THE DEPARTMENT OF DEFENSE SPONSORED MILITARY AFFILIATE RADIO SYSTEM DASH MARS PD SINCE 1948 CMM CIVILIAN MARS MEMBERS CMM THROUGH THEIR SUSTAINED DEDICATED EFFORTS HAVE PROVIDED AN AUXILIARY COMMUNICATIONS SERVICE TO THE MILITARY DEPARTMENTS WHICH IS BOTH HIGHLY VALUED AND DEEPLY APPRECIATED PD PRESENTLY CMM THESE PUBLIC SPIRITED INDIVIDUALS ARE ASSISTING THEIR MILITARY COUNTERPARTS IN HANDLING HUNDREDS OF THOUSANDS OF WRITTEN MESSAGES AND RADIO TELEPHONE CALLS EACH YEAR BETWEEN OUR SERVICEMEN AND THEIR FAMILIES AT HOME PD THIS UNIQUE AND UNPRECEDENTED VOLUNTEER SERVICE HAS ENHANCED THE MORALE OF OUR SERVICEMEN AND THEIR FAMILIES TO A TRULY INESTIMABLE DEGREE PD I COMMEND ALL OF YOU FOR YOUR EXCEPTIONAL CONTRIBUTIONS OF TIME CMM TALENTS AND MATERIAL RESOURCES IN BEHALF OF OUR SERVICEMEN AND THEIR FAMILIES AND EXTEND TO YOU MY BEST WISHES FOR SUCCESS IN ALL YOUR FUTURE ENDEAVORS SGD MELVIN R LAIRD CMM SECRETARY OF DEFENSE

BT

QRU AR

RTTY RECEIVING CONTEST RESULTS

There were 597 perfect entries for the 60 WPM RTTY broadcast message originated by the Secretary of Defense. A Certificate of Merit has been mailed to all those individuals who submitted a perfect contest entry.

It should be noted that there were more perfect radioteletypewriter contest entries than CW, demonstrating the increasing competence of the amateur radio operator in this mode of operation. The complete text of the 60 word per minute message is printed below:

R 162130Z MAY 70
FM WASHINGTON DC
TO ALL ARMED FORCES DAY PARTICIPANTS

BT

FOR 21 YEARS ARMED FORCES DAY HAS BEEN DEDICATED TO THOSE UNIFORMED AMERICANS WHO SERVE THE DEFENSE NEEDS OF THE UNITED STATES AT HOME AND OVERSEAS. IT IS ALSO APPROPRIATE

THAT ARMED FORCES DAY BE DEDICATED TO THE MANY THOUSANDS OF VOLUNTEER CIVILIAN RADIO AMATEUR OPERATORS WHO CONSTITUTE THE LARGE MAJORITY OF THE MEMBERSHIP OF THE DEPARTMENT OF DEFENSE SPONSORED MILITARY AFFILIATE RADIO SYSTEM - MARS. THROUGH THEIR SUSTAINED AND DEDICATED EFFORTS, SINCE 1948, CIVILIAN MARS MEMBERS HAVE PROVIDED AN AUXILIARY COMMUNICATIONS SERVICE TO THE MILITARY DEPARTMENTS WHICH IS BOTH HIGHLY VALUED AND DEEPLY APPRECIATED.

PRESENTLY, THESE PUBLIC SPIRITED INDIVIDUALS ARE HANDLING HUNDREDS OF THOUSANDS OF WRITTEN MESSAGES AND RADIO TELEPHONE CALLS EACH YEAR BETWEEN OUR SERVICEMEN OVERSEAS AND THEIR FAMILIES AT HOME. THIS UNIQUE AND UNPRECEDENTED VOLUNTEER SERVICE, WHICH COULD NOT OTHERWISE BE PROVIDED, HAS ENHANCED THE MORALE OF OUR SERVICEMEN AND THEIR FAMILIES TO A TRULY INESTIMABLE DEGREE. I COMMEND ALL OF YOU FOR YOUR EXCEPTIONAL CONTRIBUTIONS OF TIME, TALENTS AND MATERIAL RESOURCES IN BEHALF OF OUR SERVICEMEN AND THEIR FAMILIES AND EXTEND TO YOU MY BEST WISHES FOR SUCCESS IN ALL YOUR FUTURE ENDEAVORS. SIGNED MELVIN R. LAIRD, SECRETARY OF DEFENSE.

BT

QRU AR

GALAXY MOVES

Aug. 27, 1970

Galaxy Electronics has announced termination of its operation at its Council Bluffs facility. As of September 15, 1970 all Galaxy operations will be conducted from the Hy-Gain plant in Lincoln, Nebraska. The Galaxy plant will be closed effective September 1, 1970.

We thank all area amateurs for their cooperation for the past several years and rest assured we shall continue to serve you at our new location. We look forward to this affiliation with Hy-Gain Electronics and we are certain this affiliation will offer the amateur operator improved products and service. Thank you.

Galaxy Electronics

Ham Hum:

Because of recent illness, Dr. Stan Jaros, WAØJKO, would like to dispose of much of his amateur radio equipment. Please contact him by writing to:

Dr. Stan H. Jaros, WAØJKO

P. O. Box 912, D.T.S.

Omaha, Nb. 68101

or by phone at 556-9500.

We would like also to pass along our best wishes and our prayers for complete recovery.

(Rec'd from Lou Cutler, WØVLI, via J.D.S.)

OFFICIAL BULLETIN NR 284
FROM ARRL HEADQUAR-
TERS NEWINGTON CONN
AUGUST 6 1970 TO ALL
RADIO AMATEURS BT

The thirteenth Boy Scout Jamboree on the Air will be held from 0001 GMT October 17 through 2359 GMT October 18, 1970. Several special stations will be on the air for the occasion, including HB9S at Geneva, home of the World Scout Bureau, and K2BFW, headquarters station of the Boys Life Radio Club. A fraternal get-together rather than a contest, it provides an opportunity for scout to scout chats and for amateurs to demonstrate ham radio to scouts. For help in locating a scout unit near you, try the local Scout office listed in your phone book or write ARRL. Further details will appear in September QST AR

A minister, noted for his sense of humor, met a member of his congregation and after the usual exchange of greetings was asked, "Reverend, there's something I've wanted to ask you for a long time. Is it a sin for my husband to play golf on Sundays?"

"Mrs. Smith, the kind of golf your husband plays is a sin any time that he plays it."

RAMBLINGS OF A
FRUSTRATED EDITOR

How many Amateurs do you know who have let their license expire, or nearly so by failing to renew the ticket at the proper time? The Foundation for Amateur Radio will help you remember the date of expiration . . . just address a postal card (no other form accepted) to yourself, write anything you wish to say to yourself on the card. At the top of the card (when placed horizontally) write the date (month, day and year) when you want the card to be mailed. Send the card, already stamped, to the below address and the card will be mailed to you on the suggested date to advise you to renew . . . Easy? Mail to: Joan Machinchick, K3KBI, Lake Drive, Cape St. Clair, RFD, Annapolis, MD 21401.

de HARC News

de Ham Monitor

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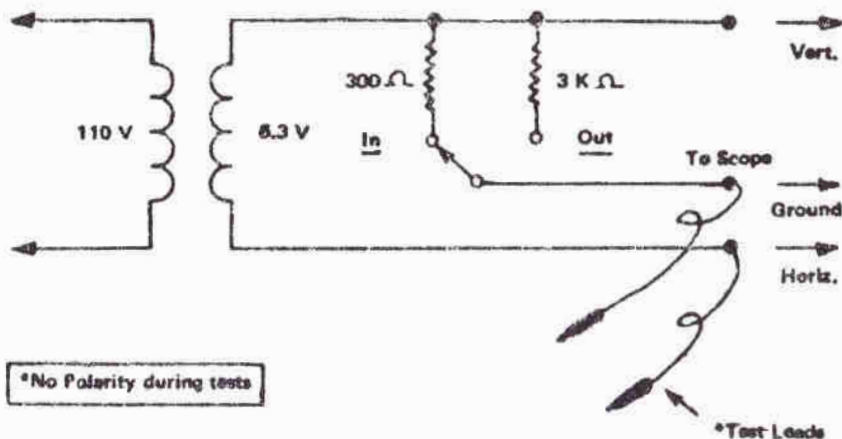
SOUTH OMAHA, NEBR. 68107

THE CURVE TRACER

Get that 'scope off the bench, dust it off, plug it in and let's check semiconductors--the easy way.

In order to provide a rapid and positive method of servicing transistor

products, a "Curve Tracer" has been utilized to provide in-circuit as well as out-of-circuit rapid testing of transistors. See schematic below.



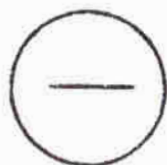
Basically, we sweep the junction of a transistor with 6.3 volts AC so that it may be observed while both conducting and not conducting during alternate plus and minus portions of the AC wave. This display is observed on a regular, low-priced oscilloscope with *no* power applied to the unit under test.

Before proceeding, adjust the 'scope thusly:

With no load across the test leads, adjust the 'scope horizontal amplification to scan 2.

With the test leads shorted, adjust the scope vertical amplification to scan 2.

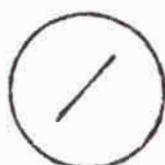
We are not so much interested in the intricacies of the wave form obtained as we are in a "go" or "no-go" type of check. Samples of basic wave forms are shown below.



Open



Short



Resistance



Capacitance

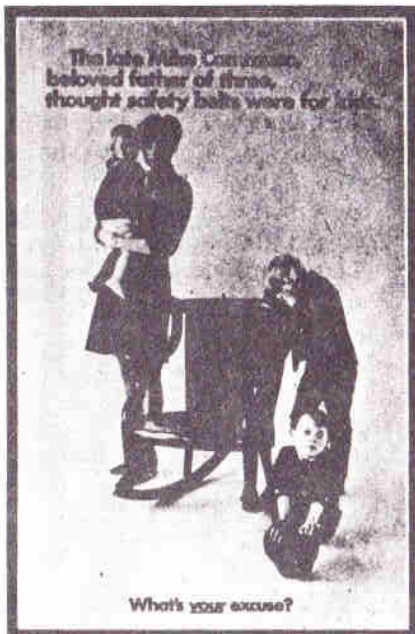
de Art, W5KR in
"OFF RESONANCE", Texas

**OFFICIAL BULLETIN NR 285
FROM ARRL HEADQUAR-
TERS NEWINGTON CONN
AUG 13 1970 TO ALL RADIO
AMATEURS BT**

The ARRL Intruder Watch is now into its sixth year of operation, with an impressive record of reports leading to intruders being removed from the amateur bands. Additional work and constant vigilance are necessary. Volunteers, with two or three years amateur experience and good receiving equipment, who can spend two hours a week logging the calls of non amateur stations in the amateur bands would be welcomed. Volunteers please write the Intruder Watch, ARRL, 225 Main Street, Newington, Connecticut 06111 AR

**OFFICIAL BULLETIN NR 287
FROM ARRL HEADQUAR-
TERS NEWINGTON CONN
AUG 28 1970 TO ALL RADIO
AMATEURS BT**

In connection with the forthcoming plans for Oscar 6, the third party agreement between Australia and the United States permitting such communications on matters relating to the satellite will continue until four months after the new satellite ceases to transmit. The Oscar 6 satellite, still in the planning stages with a launch hoped for in late 1971, is to have an active life time of one year or more. Amsat, the Radio Amateur Satellite Corporation, continues to welcome membership. For details write Box 27, Washington, DC 20044 AR



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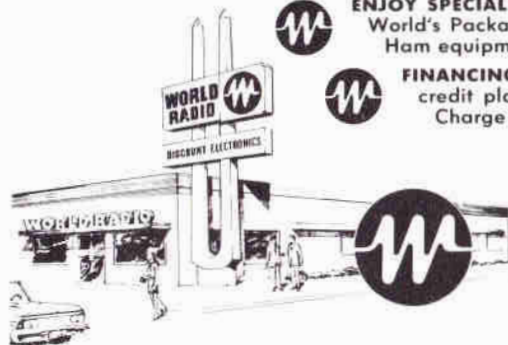
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