



# HAM HUM

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



January 1976

Vol. XXVI  
No. 1

## NEXT MEETING

WHEN: FRIDAY, JANUARY 9, 1976

TIME: 7:30 P.M.

WHERE: NATIONAL GUARD ARMORY  
6929 Mercy Road, Omaha

WHAT: VISIT by ARRL Midwest Division Director  
Paul Grauer, WØFIR, and new Midwest  
Vice-Director Dick Dyas, WØJCP.

VISITORS WELCOME - REFRESHMENTS - EYEBALL QSOs

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**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.



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AK-SAR-BEN RADIO CLUB, INC.

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**Annual Dues:**

Regular member .....\$7.50  
 Regular member and XYL ..... 9.00  
 Student member ..... 3.50  
 (due and payable each Jan. 1)

New member initiation fee .....\$1.00

**Quarterly for balance of year:**

Regular member .....\$2.00  
 Regular member and XYL ..... 2.45  
 Student member ..... 1.00

**1776-1976 SPECIAL  
 BICENTENNIAL PREFIXES**

By Jon K. Taute, WBØMKN

Between 0500Z January 1st 1976 and January 1st 1977 the Federal Communications Commission has authorized the use of Special Bicentennial Call Prefixes to celebrate the United States 200th Birthday. No application or filing with the FCC for prefix operation is needed and the Bicentennial and your regular prefix may be used at any time though it is requested that only one call be used during each QSO. The use of these calls is strictly optional. Most of the Prefixes are listed below.

WAØABC would become AAØABC  
 WBØABC would become ABØABC  
 WØABC would become ACØABC  
 KØABC would become ADØABC  
 WDØABC would become AEØABC  
 WRØABC would become AFØABC  
 WNØABC would become AKØABC  
 KB6ABC would become AG2ABC  
 KC4ABC would become AL4ABC  
 KG6ABC would become AG6ABC

KH6ABC would become AH6ABC  
 KJ6ABC would become AJ7ABC  
 KL7ABC would become AL7ABC  
 KM6ABC would become AH7ABC  
 KP4ABC would become AJ4ABC  
 KP6ABC would become AIØABC  
 KS4ABC would become AH4ABC  
 KS6ABC would become AH3ABC  
 KV4ABC would become AJ3ABC  
 KW6ABC would become AG7ABC

Let's all pitch in to celebrate our 200th Birthday. Use the call that's been offered to you!!!

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## THE ANNUAL MEETING/CHRISTMAS PARTY

If I were to objectively review both the annual membership meeting and the Christmas party as separate actions, I would have to say that both functions were a success. If there were any inconveniences, your President certainly will entertain constructive suggestions.

After 20 years the Club updated the Articles of Incorporation to coincide with the present. "Amateur" was added to the official name to distinguish the Club from other radio clubs in the Omaha metropolitan area. Of equal importance, resolutions were adopted to permit the Club to obtain a different non-profit tax status to qualify for lower postal rates.

The membership elected to office what we hope will be one of the best Boards of the Club. (Of course, time tells everything. It all depends on

membership input, ideas, programs, civic project, mutual cooperation and a lot of physical support.)

The Christmas party? Who said the party was for little kids? Mr. Graham, I'll not forgive you for tricking me into believing that you were going to show me how to do the handkerchief inside the egg bit, when you broke an egg and out came the yoke. You must have had the yoke up your sleeve someplace. Boy, what an amateur! We better sign him up quick. Perhaps he can make a few things disappear like bootleggers, lids, button pushers, etc. Thank you, Mr. Graham!

From the laughter and smiles and door prizes, I know we had a good time.

73 in '76

Ed Eichler, WBØBCB  
359-2219



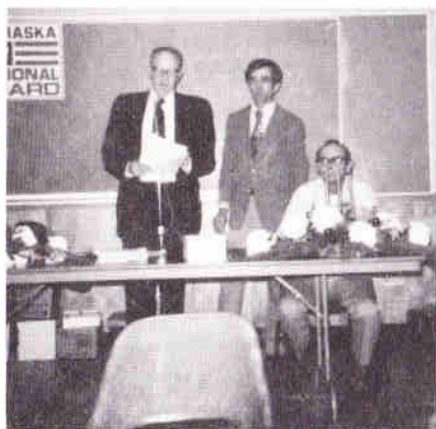
Dick L. Eilers, WØYZV, presents plaque to President Mike Wilczynski, WBØBMV, in appreciation of his service during 1975.



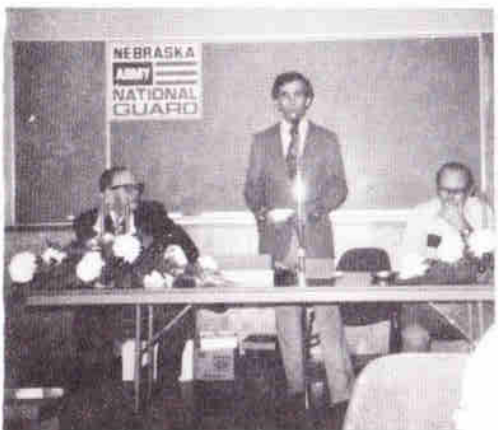
Outgoing President Mike, WBØBMV, turns over gavel to new President Edward C. Eichler, WBØBCB. ➔



Magician Walter Graham entertains the membership and guests.



More photos of  
December Meeting



## PAST PRESIDENTS OF THE CLUB

1945	Nels Peter Nelson, W7RCF (Ex-WØYDC)
1946	John F. Leeder, WØUFD
1947	Arthur R. Gaeth, WØFQB
1948	Herbert D. Curry, WØQXR
1949	Elmer N. Stein, Ex-WØAVM
1950	Dr. Leon Becker, W6AID (Ex-WØBBX)
1951	Earle E. Olson, WØJKE
1952	John W. Orr, WØPHW
1953	Rev. R. J. Strange, WØQHG
1954	Frank W. Cooper, W3NV (Ex-WØIOS)
1955	Arthur E. Stadler, W9KHD (Ex-WØQMD)
1956	Dick L. Eilers, WØYZV
1957	Curtis D. Hicks, KØAMM
*1958	Edward Gutmann, WØCQX
1959	David A. Hollander, W6COJ (Ex-WØCJW)
1960	Max N. McKinney, WØYVV
1961	John A. Droescher, KØKWB
1962	Royal M. Enders, KØLYO
1963	Joseph F. Berounsky, KØQDB
1964	Louis A. Cutler, WØVLI
*1965	Edmond E. Donze, WØYEV
1966	Byron J. Smith, Sr., WAØICK
1967	Ervan D. Heinz, WAØEEM
1968	Robert C. Lockwood, WAØDHU
1969	Royce E. Johnson, WAØKIL
1970	Harold E. McClenahan, Jr., WAØDGA
1971	James C. Droege, WØYCP
1972	Edward F. Askew, WAØRDZ
1973	Russell A. Minks, WAØVEE
1974	Vernard Riportella, WBØGAJ
1974-75	Marion Wilczynski, WBØBMV
*Deceased	

\*\*\*\*\*

## THANKS FROM FLORIDA

Enjoy reading Ham Hum very much. Tnx to you all.

73 & BCNU on 20  
Henry Felton, WA4HXZ

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Panhandler: "Actually I'm an author. I once wrote a book entitled, 'One Hundred Ways to Earn Money.'"

Businessman: "Then why are you begging?"

Panhandler: "It's one of the ways."

The Oregon Freemason

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## REPEATER USAGE

Notes from KØJIU (reprint) and WBØCMC

Some problems have arisen in the use of the repeater in the area of commercial operation. At this time the FCC rules are very stringent in forbidding any type of commercial operation. All users are cautioned that under no circumstances should any type of business be conducted that may in any way be classified as commercial.

One cannot make a doctor's appointment or call to make reservations, or even call to have a third person carry on business for you since this would be classified as commercial in nature and would be illegal and could result in not only the loss of the autopatch but also the loss of the repeater license. The safest bet is never call a commercial establishment on the autopatch.

Also, the autopatch is intended primarily for mobile stations and under current FCC and Iowa commerce rules, the autopatch cannot be used to evade toll calls. In other words, the practice of having a person call you on the telephone and then you call the person back to eliminate or reduce tolls, is definitely illegal.

The vast majority of operation on the autopatches has been legitimate and not subject to any violations. I am sure the few mistakes that were made were unintentional; however, it is necessary to call them to attention before they become habitual.

It should not be necessary to discuss the above items on the air.

Should you feel the operation of someone on the repeater is questionable, request that person call you on the landline to discuss it with him.

If you have any questions regarding any of the above following, send them to P. O. Box 291, Omaha, Nebraska 68101. Suggestions in like manner should be sent to the same address.

We enjoy operating this service when proper ethics, courtesy and rule observation are used and hope to continue it.

On the same note the operation of the various repeaters does cost money for power, phone lines and maintenance and donations are thereby requested. Some guidelines are for regular users (non-transient) 34/94 - 50¢ to \$1.00 a month or as the spirit moves; 22/82 and 40/00 autopatch users - \$1.00 a month for phone bills or more as the spirit moves. For 34/94 and 22/82, send donations to above address (Box 291). For 40/00, 10/70 and 04/64, contact the sponsors; I'm sure they would be happy to hear from you.

De - WBØCMC  
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## BOARD MEETING

At the first meeting of the 1976 Board of Trustees, Thomas L. Thiessen, KØPQR, was selected as Secretary of the Club and Robert A. Conley, WBØLYU, as Treasurer.

Complete listing of the 1976 Board as elected by the membership at the annual meeting, appears elsewhere in this issue.

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## TOYS FOR TOTS

December 14, which dawned cold, windy and snowy, was T-Day (toy). I don't think we have to hit anyone in the Sar-Ben Amateur Radio Club over the head to bring home the point that our Toy-A-Thon was a success. We, and we use the term we with a great deal of pride to include the whole club and even a few non club members, made a fine worthwhile contribution to our community. We collected over 3,000 toys - we collected them efficiently - we had fun collecting them and that is the name of the game. Amateur Radio IS FUN!!!

This was a joint effort of the Public Relations Committee as far as organizing and planning. The public relations committee consists of: Chuck Hoffman, WBØNVL, chairman, Tom Thiessen, KØPQR, secretary, Bill Forbis, WBØIKL, Steve Baily, WAØGQG, Harold Abrahamson, WAØORC, Hugh Tinley, KØGHK, and Ed Eichler, WBØBCB.

Communications were established on 34-94 shortly after 8:00 a.m. with check-ins, area assignments, and general information. Our first call came in shortly after 9:00 a.m., and from then till 6:00 p.m., we were kept quite busy. As expected the call volume crested shortly after lunch and tapered till we answered the last call about 5:50. Everyone cooperated.

For our first year's experience, we made some mistakes; however, from an overall picture we believe that the operation went extremely smoothly. We hope that next year we will have more trucks available, and perhaps even communications with the trucks.

Net control, handled by Tom Thiessen, KØPQR, (whose call we used) and Chuck Hoffman, WBØNVL, routing and station coordination by Gary Maples, WØOXT, was handled in a professional and efficient manner. These men deserve a hearty thanks. The rest of the thanks go to the many, many mobiles who spent their time, and certainly their efforts on a very cold, windy day. We're sure that you'll all get a little extra kick out of Christmas this year, knowing that some child received a gift because of you, that he wouldn't have received otherwise.

We derived additional experience from this exercise by the use of area assignments (zip code); amateurs can cover a given area known to that amateur without wasted energy.

Secondly, with a communications officer determining traffic handling, net control is capable of dispatching a larger volume of traffic more efficiently. Although some exercises during this past year may not have been what we would call high priority, they were all important as experience builders.

Let's continue to build!

Harold Abrahamson - WAØORC

Ed Eichler - WBØBCB

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Book Agent: "You really ought to buy an encyclopedia now that your son is going to school."

Farmer: "Nothing doing. Let him walk like I did when I was a lad."

Hejaz Commentator

\*\*\*\*\*

November 30, 1975

Bill Leatherwood, WAØZUR, Secretary  
Ak-Sar-Ben Radio Club, Inc.  
Box 291, Omaha, NE 68101

Dear OM and Club Members:

Thank you so much for your card at the hospital and well wishes. It is indeed pleasing to know so many fine Hams are "on your side." Many of you folks helped prepare me for upgrading my old tech to my present conditional ticket from the 20-year novice. My public thanks to Fred Fischer, WØEGP, for repeatedly giving me the exam until I finally passed it. Dick Eilers, WØYZV, was my first 6 meter voice contact. My first novice CW QSL came from New Zealand on 21 Mh.

Now I am faced with moving into a

care home, and will use 2 meter FM direct and through the repeaters. In the meantime I want someone to check over my Gonset 2 meter communicator and restrung the dial cord. For that I'll use an indoor turn whip or a zep antenna like Dick Eilers made for me long years ago. I will then be available for AREC, RACES, and other emergency facilities.

Can some member of the Club help me put the Gonset in shape?

TNX agn. CUL 73 88,

Royal M. Enders, KØLYO

I will be unable to attend the Club Christmas party and business meeting-election. Sorry.

(Ed. Note: Royal - 6 meter communicator dial cord is being taken care of.)

\*\*\*\*\*

## 1976 BOARD OF TRUSTEES

President	Edward C. Eichler, WBØBCB	(1976-77)
Vice President	James D. Howard, K5TNP/Ø	(1976)
Past President	Marion (Mike) Wilczynski, WBØBMV	(1976)

### *Executive Council*

Treasurer	Robert A. Conley, WBØLYU	(1976)
	John Gebuhr, WBØCMC	(1976-77)
	Martin J. Griffin, WAØGEH	(1976-77)
	Lowell W. Jackson, WAØHKT	(1976)
	Gary D. Maples, WØOXT	(1976-77)
Secretary	Michael L. McAllister, WBØDXA	(1976)
	Thomas L. Thiessen, KØPQR	(1976-77)
	*Vacancy	(1976)

\*New member to replace WAØZUR to be selected by the Board.

\*\*\*\*\*



## ADDITIONS TO ROSTER

Kevin J. Clatanoff, WAØYCC  
806 Matthies Drive  
Papillion, Nebraska 68046  
Phone: 331-3136

Frank S. Dyba, WØUSU  
6776 Wirt Street  
Omaha, Nebraska 68104  
Phone: 556-9179

Robert J. (Joe) Foster, WØWRE  
515 South 56th Street  
Omaha, Nebraska 68106  
Phone: 551-6725

D. C. "Chuck" Hoffman, WBØNVL  
157 - 14th Avenue  
Council Bluffs, Iowa 51501  
Phone: 328-6969

John H. LaHair, WØMGW  
7312 LaVista Drive  
LaVista, Nebraska 68157  
Phone: 339-8535

George F. Moore, WAØSMN  
Route #1  
Plattsmouth, Nebraska 68048  
Phone: 298-8350

Robert H. Neben, K9KAW/Ø  
5112 Bernadette Avenue  
Omaha, Nebraska 68157  
Phone: 734-3783

Gerald W. O'Harrow, WBØPPF  
750 South Adams  
Papillion, Nebraska 68046  
Phone: 331-1236

R. J. (Jim) Wickham  
511 Franklin Avenue  
Council Bluffs, Iowa 51501  
Phone: 322-4456

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## RECENT CONTRIBUTORS

### Repeater

Edward C. Eichler, WBØBCB  
Royal M. Enders, KØLYO  
Donald H. Filbert, KØAJØ  
Frederick Fischer, Jr., WØEGP  
Ronald E. Hester, WBØMUB  
James D. Howard, K5TNP/Ø  
Raymond F. Kydney, WAØWOT  
William A. Leatherwood, WAØZUR  
Robert C. Lockwood, WAØDHU  
Lloyd McElhaney, KØDKM  
Charles A. Michel, KØQVL  
Russell A. Minks, WAØVEE  
Robert H. Neben, K9KAW/Ø  
F. Hilton Norton, WBØHPP  
Verne Kay Ramsey, WØSBZ  
David N. Smith, K3CRF  
Charles B. Wolfmeyer, WØKH

### Auto Patch

Robert C. Lockwood, WAØDHU  
F. Hilton Norton, WBØHPP

Sincere thanks to all for your  
generosity!

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## ARRL MEMBER?

Are you a member of ARRL? The American Radio Relay League (ARRL) needs all the support we can give it. While I do not agree with them in many matters, I must admit that they are the most effective voice we hams have in the FCC and Congress. The ARRL has been instrumental in keeping the frequencies we now have, and is continually putting our interests in the minds of the Great White Fathers in Washington. See Bob, WBØLYU, and join. The club gets part of the membership fee.

WAØZUR

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HAM HUM

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1.

## HAM OF THE MONTH

Joseph I. (Joe) Eisenberg, WAØWRI, is our Ham of the Month as pictured at his stations by our roving photographer, Jon Penner, WØQGT.

#1 and #2 show Joe as a broadcasting student at his QTH at Able Hall, University of Nebraska at

Lincoln. HW7, TR-22 end fed long wire originating at 125' up in the air; ½ wave whip for 2.

#3 and #4 show Joe as a ham radio operator with FM broadcasting hobbies at his QTH in Omaha. SBE SS' slow scan camera and monitor; Galaxy 500-RV 550 VFO; 14 AVQ.



3.



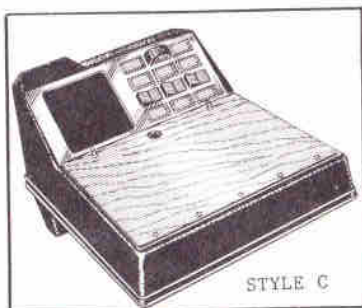
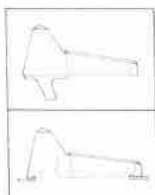
2.



4.

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# Multi-Function Mobile • Console



**\$1995** PPD U.S.

There's practically no limit to the type of automotive functions you can control—activate roof light, dome or dash lights, trunk lock, door locks, flashers, the only limitation is your imagination.

## 4 STYLES TO CHOOSE FROM



STYLE D



STYLE B



STYLE A

- 
- Console with blank panel
  - Console with speaker blank
  - Console with speaker and switch blanks
  - Console with switch blanks only.
- 

## SPECIAL

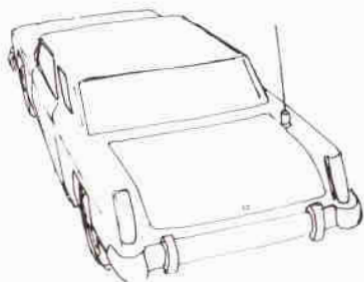
WHILE SUPPLY LASTS WE WILL SUPPLY AT NO ADDITIONAL CHARGE A MAP LITE SOCKET AND 3 ROCKER SWITCHES FOR MODEL C & D AT TIME OF PURCHASE.



**SPECTRONICS INC.**  
 1009 GARFIELD STREET  
 OAK PARK, ILL. 60304  
 (312) 848-6778



# 6 and 2 with a single antenna



Yankee ingenuity is often at its finest in the field of Amateur radio. Thus you have 52 MHz ham band operations being successfully conducted using Larsen 144-148 MHz antennas. Users of this combination report that communications are great and S.W.R. is down at a very acceptable level.

Our engineers tell us that this is indeed possible. The Larsen (like the LM-150 or the JM-150) 2 meter antenna, which is a 5/8-wave base loaded when operated at this frequency, turns out to be just right as a 1/4-wave with a series tuned coil in the base. And it performs great without modifications and encumbering the vehicle with the usual 52 MHz longer whip, bumper mounting bracket, spring and all the rest.

So the next time you want to switch from 2 to 6, take advantage of unusual skip or something, just switch rigs and tune up.

Larsen Antennas  
Contact John Gebuhr, WBØCMC  
2340 N. 64th St., Omaha, NE 68104  
Phone: (402) 553-6414

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## MAGNETIC MOUNT

Did you ever wonder if a Magnetic Mount would really stay on your car as you drive down the highway (at legal speed limits of course)?

Larsen Antennas were placed into service as a result of a downed aircraft in New Mexico. The antenna was installed in a small plane. The base for the magnetic mounts was a jury-rigged steel plate, to give the needed grip and provide the needed ground plane. The rescue aircraft (standard prop jobs) took off and cruised away at about 150 M.P.H.

And then the happy end to the story. About 2 hours later the downed craft was found and all was well. Oh yes...communications via the Larsen Antennas magnetic mounts was 100 percent effective.

\*\*\*\*\*

## THANKS, FELLOWS!

A big thank you to all the fellows who helped me put my antenna back after moving to my new QTH - WBØMNK, WAØODH, WAØRQA.

A special thank you to WAØASM from Lincoln and KØUDK for all of their help.

John, WØYDV  
\*\*\*\*\*

An elderly lady, while riding a bus, was anxious not to pass her destination. She poked the driver with her umbrella.

"Is this the First National Bank?"

"No, ma'am," replied Clarence Dalen. "That's my stomach."

Suez Scribblings

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## REPEATER COMMENTS

Dear Dick:

Respecting the dedicated efforts of those who serve our Club with their time and talent, I have no desire to either criticize their contribution or to dampen their enthusiasm.

But I am concerned about a situation which, in my considered judgment, adversely affects both our internal and external Public Relations and, for that reason, should be aired openly and honestly.

It seems to me that too much repeater time is devoted on too many occasions to too many projects...many of which are only fancied "emergencies"...or of questionable public-service value...or either duplicate or usurp the rightful functions of some other group.

I am not, of course, referring to the weekly AREC net, which serves a useful purpose in organizing and preparing us to handle some real emergency. Nor am I opposed to those occasional periods when the frequency is utilized to bring cheer to the very old or the very young, such as during the Yuletide season.

My quarrel is rather with the sponsorship of such limited community-interest activities as canoe races, as well as with serving as perpetual "weather watchers" for the Omaha Public Works Department who either has, or should have, its own means of obtaining this information from other sources.

It seems to me that, in our overzealousness to seek publicity or to be "do-gooders," we have failed to assign proper priorities. Far from improving our public image, this could

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boomerang to our mutual disadvantage.

An over-commitment of our facilities and personnel is a poor advertisement for our Club. An assignment of the repeater frequency for frivolous use could tie it up when needed for more urgent business. And sponsoring some project which smirks of commercialism could possibly bring down upon us the wrath of the FCC.

I submit that dues-paying members should not be required to relinquish their repeater to every Tom, Dick and Harry who demands it for use in promoting some pet project. And I further submit that no one or two persons should take or be given the authority to allocate its use for any purpose until the request is first carefully considered by the entire Executive Council whose decision should be guided by the expressed wishes of the membership!

I know that many other two-meter operators agree with my observations. I am also aware that many may not. In either case, this is surely a subject for healthy discussion at some not-too-distant meeting of the Club. And I am sure that those who have been elected to represent us would welcome a general expression of both viewpoints on such a timely subject.

I, for one, would like to serve on a discussion panel appointed for this purpose. If, in this respect, my 26 years of experience as a Public Relations consultant would provide any useful input in analyzing the problem, I would be glad to express my further views "for the good of the order."

Sincerely yours,  
D. H. Filbert, WØAJ0

HAM HUM

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P.S. As further evidence of my sincerity and appreciation for those who are more active than I, I am enclosing a contribution towards the maintenance of our Omaha and Council Bluffs repeaters.

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## HOW TO GET THE FCC TO WRITE YOU---

Listening around the frequencies, we can't help wondering why some amateurs constantly ask the FCC to cite them for violations of the regulations.

For instance, we have those who time after time break into a conversation without identification--to add a little remorse or so--and back out again. Very funny. Even more funny is the amateur who answers or even acknowledges an unidentified transmission of this nature. They both earn citations.

Right behind the above joker is the amateur who signs out of a roundtable QSO with a "WØ\_\_\_clear." The interpretation of this procedure is "Give me a citation." Although you don't have to identify every station in the roundtable (and please don't) when you are signing off, you must identify at least one other station in the group. Then there is the amateur who identifies himself with just a plain WØ\_\_\_when he is mobile or portable. He very carefully omits saying, after his call, "mobile Ø" "portable 0" and thus loudly announces to any listening inspector that he wishes a citation or violation of paragraph 97.87, station identification.

Mobile or portable alone is not enough. On the other hand, it is not

necessary to tack on the "Mobile Ø" etc. of the station you are working. Just your own--please. Don't forget to change to "Mobile VE \_\_\_" when across the bridge.

Now, you know that you (and don't do any of the above, of course, but when you hear others doing such things, why not gently point out the danger involved for themselves and for others whom they might mislead. Let's keep this area one of the most "professional" in operating practices and operate our stations in the "cleanest" manner.

de Greater Cleveland Repeater  
Newsletter, via Carrier

In addition, at a recent 2-Meter Breakfast meeting, Tom Kulas, WAØ-IAW, spoke on two other "gray area" practices which we should consider a no-no rather than confronting the FCC with some more new regulations. Telephone calls through an auto-patch from a mobile outside the regular free dialing area should be avoided. DXing repeaters should not be done. Use simplex frequencies for two meter DX. Don't point your 22-element beam at a distant repeater and try to bring up the system during long skip conditions.

de Ground Wave, Minn.  
\*\*\*\*\*

The woman applying for a driver's license was uneasy despite the simple questions.

"And what is the white line in the middle of the road for, madam?" queried the license clerk.

The woman pondered a moment, then blurted out, "Bicycles!"

The Oklahoma Mason  
\*\*\*\*\*

# HAM HUM SWAP

WANTED: Merry Christmas to all! May 1976 be filled with joy and happiness.

From—John Charles Ragan, WNØQAD  
Blair, Nebraska

FOR SALE: Regency HR212 with TTP and CG-144 Colinear mobile antenna, 3 months old. Mint condition.

Bernie Chap, WBØEYT, 4656 Harrison St.,  
Omaha, NE 68117; phone: 731-0128

WANTED: Repeater Committee is seeking 450 Mhz transmitting equipment to be used for control stations on 34/94 repeater.

WØØXT, Gary Maples  
Phone: 572-6254

WANTED: 5894 for 40/00 repeater. The one in there now puts out 15-20W and should do 60.

John M. Gebuhr, WBØCMC; Phone: 553-6414;  
2340 North 64th Street, Omaha, NE 68134

FOR SALE: Tennelec 5 band, all frequency 16 channel FM monitor rcvr digitally synthesized; 30-50 Mc, 146-148 Mc, 151-170 Mc, 450-470 Mc, 490-508 Mc.

Also, Motorola, all solid state, MODAR 2M rig, 15 watts and 1 watt, with: 34-94, 22-82, 52-52, 16-76, 10-70, 70-70, 94-94, 37-97, 25-85, 28-88, 07-67, 04-64, 01-61, 19-79. Radio designed for mobile/base use; also includes AC/PS.

Rick Brown, WAØZQX  
Home phone: 331-7186; work 341-1529

FOR SALE: Johnson Viking Nav Xmtr; R. L. Drake 2B Recvr 3-30 MCS; R. L. Drake 2BQ Multiplier; Ant with 4 traps. Price \$250.00.

Phil Allen, phone: 731-1182  
7409 So. 33rd St., Omaha, NE 68147

FOR SALE: Have some tube-type Motorola and RCA equipment for sale only. Both 2 and 6 meter types, unconverted. Good condx.

Call 556-1538 — John, WØWRT

\*\*\*\*\*



BOX 864 COUNCIL BLUFFS, IOWA 51501

# TS-700A



## 2-meters

Operates all modes: SSB (upper & lower) FM, AM, and CW

**KENWOOD** \$ 700

IF YOU ARE ON 2 NOW...  
AND WANT MORE FEATURES:

MORE CHANNELS (11 Crystal positions or infinite with the VFO)... MORE MODES (FM/AM/CW/USB/LSB) HOME & MOBILE USE (without buying any supplies) THEN YOU NEED THE TS-700A'S BIG FEATURES!

The circuit is completely solid-state for long, trouble-free use. Operates AC or DC from internal supply for home and mobile. Complete coverage; 144-148MHz. Automatic 600kHz offset, up or down; S-meter/discriminator meter; RIT control; Noise-Blanker; Tone-Burst provisions; 11 channel crystal selector (each crystal has 3 freq. ie: 146.94/146.34/146.94 simplex); mike & speaker included.

POWER: 10 WATTS FM/CW, 20 WATTS PEP/SSB, 3 WATTS AM

### THE ATLAS 210x/215x

- Solid state SSB/CW transceivers
- 200 watts P.E.P. input
- No transmitter tuning

210x or 215x	\$649
AC Console 110/220V	\$139
Portable AC Supply 110/220V	\$ 95
Plug-in Mobile kit	\$ 44

## ATLAS 210X/215X



\$199.00

THE DD-6 DIGITAL DIAL PLUGS INTO ANY ATLAS. THE VERY BRIGHT LED DOT MATRIX DISPLAY READS TO 100 Hz., BOTH XMT & REC.V. JUST 1.25 x 4.5 x 5 In.

73 - Al McMillan WPTJK



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Council Bluffs, Iowa - 51501

STORE HOURS ARE: TUES. - WED. - FRI. . . . . NOON TO 5 PM.  
THURS. . . . . NOON TO 8 PM & SAT. . . . . 9 AM TO 5 PM.

## SAVE YOUR RIG!

### SHUR-LOCK FOR 2 METER MOBILES

- SHUR-LOCK will accommodate a unit with overall dimensions including mounting bracket up to 3 1/2" High and from 4 1/2" to 9 1/4" Wide.
- Prevents access to rig's mounting hardware • No special tools
- Tempered steel no pick lock
- Also great for tape decks
- Satisfaction Guaranteed
- Special pry-proof hardware



\$14.95