



HAM HUM

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



Vol. XXVI
No. 8

August 1976

NEXT MEETING

- WHEN: FRIDAY, AUGUST 13, 1976
- TIME: 7:30 P.M.
- WHERE: COMMUNICATIONS WORKERS OF AMERICA HALL
1920 South 44th Street, Omaha, NE
(Ground floor entrance-air conditioned-parking.)
- PROGRAM: MOBILE OPERATIONS, IGNITION SUPPRESSION,
GENERATOR/ALTERNATOR WHINE AND HASH.

Lloyd McElhane, KØDKM, and John Gebuhr, WBØCMC, will outline how ignition and electrical systems work. The source of ignition and electrical system problems will be pointed out and how to identify such problems. The various methods and devices implemented to permit Q5 and full quieting mobile operations should provide a solution to an age-old headache.

QSL CUL YL XYL/YF OM 73

* * *

VISITORS WELCOME — REFRESHMENTS — EYEBALL QSOs

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

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Deadline for September issue is August 20th

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

NOTES FROM PREZ ED

Our club is midway into 1976 and the biggest event yet to come is the 1976 Midwest ARRL Convention on October 8, 9, and 10, at the Holiday Inn, 72nd and Grover, Omaha, Nebraska. For a year the Convention Committee has been planning for this day. Many times planning meetings have cut into their work schedules and family activities. Your fellow club members have taken on a tremendous responsibility solely for the benefit of the Club (the members of Ak-Sar-Ben Amateur Radio Club voted to host the Midwest Convention), the ARRL Midwest Division, and the growth of amateur radio. A hearty "thank you" for a planning job well done is in order but, as you know, the greatest plans in the world are nothing unless there is action.

What can I do? What can you do? One, pre-register. Yes, I know that we are all going to the Convention but why wait until the last day. Do it now! The Convention is nothing unless we attend as well as the rest of the Midwest Division. Two, takes people and people must be sold on the idea

that the Midwest ARRL Convention is the best. With enthusiasm nobody will want to stay at home. The fun is at the Convention. There is something for everyone from the beginner to the expert. Three, step forward and say, "Hey, I want this to be a CONVENTION TO MENTION. I want to help. Put my name down where you need me."

This success = A + D2 + CIT = SU + C2 + ES2. (Ask Ed about his secret formula to amateur radio and Midwest Division Convention.)

SILENT KEY

Joseph B. Humphrey, KOABN
 432 North Pine
 Valley, Nebraska 68064
 July 7, 1976

Our sincere sympathy to his XYL Rachel and family in their loss. Joe had been an active member of the Radio Club for 20 years. He will be deeply missed by his many ham friends.

LAST MEETING

By—Ed Eichler, WBØBCB

The CWA Hall was packed and boy, it was a super meeting! If you weren't there, you missed an excellent program.

There is something that intrigues the wildest imagination when amateur radio transcends spaceage communication through Oscar. Doyle Kernes, WBØIUT, AMSAT Area Coordinator, demonstrated that anybody can use Oscar 6 and 7 with the simplest of equipment. All the equipment used during the program came from different amateurs' shacks — HF80-10 meter receiver, a 2 meter transceiver, a vertical 10 meter receiving antenna and a 4 element 2 meter beam.

Joe Nanos, KØKES, CW expert, did not establish a QSO via Oscar 6 but did hear his own 2 meter signal uplink through the Oscar 6 repeater 10 meter downlink. The success of the feat, however, (and give credit where credit is due) goes to Gerry O'Harrow, WBØPPF, and Larry Hinsdale, WNØSMR, for pointing the 2 meter beam in the right direction to maintain contact with Oscar 6.

The demonstration and program stimulated much interest. This was evidence by the questions and answers. Our sincere thanks, Doyle!

It seems that one of the best parts of the evenings is the eyeball QSOs and we no doubt take it for granted that refreshments follow. Kay and Jim, WBØJPN, thank you for completing a fun evening.

MENTION CONVENTION!

August 1976

VICTORIA SPRINGS HAMFEST

By—Ed Eichler, WBØBCB

Thanks to the Central Nebraska Amateur Radio Club for a well-planned Hamfest on July 24 and 25. We still don't know how you do it but it is a true pleasure for us to attend this Hamfest. One can really forget about his business, his problems, and relax and enjoy amateur radio and its fraternalism. About 15 members of Ak-Sar-Ben Amateur Radio Club attended and we would guess there were approximately 400 people present. Your Hamfest is one of the best. See you next year!

CITIZENS BAND JAMBOREE

Thanks to those fellows who worked at the Citizens Band Jamboree at Peony Park on Saturday and Sunday, July 17th and 18th. Fifty CB operators or more signed up for code and theory classes. A job well done!

Some Dates to remember:

1. Lincoln Amateur Radio Club and Ak-Sar-Ben Amateur Radio Club will hold an inter-club picnic on Sunday, August 22, 1976, from 1:00 PM to the End at Memphis State Park, Memphis, Nebraska (8 miles south of Mead and 9 miles north of Ashland.) A flea market will also be held. This should be fun. Further info at next Club meeting.
2. Ak-Sar-Ben Amateur Radio Club picnic is coming up on Sunday, September 12th, in the Omaha area. Location has not been decided. Council Bluffs, Papillion, North Omaha or West Omaha are possible picnic areas. Let me know.?
3. Multiple Sclerosis Bike-A-Thon on September 19th or 26th.

HAM HUM

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RECENT CONTRIBUTORS

Ham Hum Postage

Edward M. Lawler, WØTHA
Paul G. Taylor, KØBSV

Repeater 34/94

Ronald Edmunds, KØPAY
Harold F. Layher, WAØPCC
Gerald W. O'Harrow, WBØPPF
William F. Seipel, WBØRVU

Repeater 34/94 & 22/82

Kevin J. Clatanoff, WAØYCC &
Janet K. Clatanoff, WBØMAK
Edward C. Smith, WA6GKH

Parts for the repeater donated by
Cecil DeWitt, WØRMB and Tom
Thiessen, KØPQR.

Sincere appreciation to all!

And a special thanks to Royal M.
Enders, KØLYO, for his contribution
to the repeater fund as a memorial to
Brooks Short, W9AD. Royal says,
"Brooks Short was an inspiration to us
as Field Service Travelers for Del-
co-Remy Division of General Motors
and got many of us interested in ham
radio."

PRE-REGISTER NOW!

MEMBER NEWS

Dear Sir:

I have accepted employment with
the U. S. Army Corps of Engineers in
St. Paul, Minnesota. I will miss not
being able to attend Club meetings.

Would you please change
address, effective 1 August 1976, as
follows:

Craig D. Hinton, WBØIAH,
2241 Sierra Drive,
White Bear, MN 55110

(Ed Note: Good luck on your new job,
Craig!)

The 1976 Midwest Convention in
Omaha welcomes the ARRL President,
Mr. Harry J. Dannals, W2TUK! Mr.
Dannals will preside at the ARRL
Forum and will participate in the
banquet program. Welcome, Mr.
Dannals! Have a good time!

Mike McAllister, WBØDXA
Marty Griffin, WAØGEH

FCC EXAMS

The Federal Communications Com-
mission has once again offered to hold
exams during the convention. Exams
will start on Friday, October 8, at
1:00 P.M. and will continue until 5:00
P.M. You must make an appointment
with FCC in advance to take the exam
at this time.

OPPORTUNITY (Part or Full-Time)

Need competent service technicians for all models and makes
stereo and associated equipment.

Contact George Wickman at World Radio Lab Phone: 328-1851



MIDWEST ARRL CONVENTION

THE PLACE!

The 1976 ARRL Convention will be held at the 72nd and Grover (I-80) Holiday Inn in Omaha, Nebraska, October 8, 9 and 10. This convention center boasts a huge indoor resort complex featuring indoor golf, billiards, shuffleboard, game rooms and two indoor swimming pools. Over 300 rooms have been held for convention reservations but almost 200 are now committed! Register now by calling 800-453-5555 for room reservations. Be sure to specify the ARRL code to get special convention rates. Hurry, they are going fast.

All meeting rooms in the motel complex have been reserved for programming and seminars. As many as four and five programs will be held simultaneously with the aid of television. Many programs will be repeated or replayed on television to permit each conventioneer optimum anticipation.

The convention center boasts a 22,000 square foot exhibition hall which will be packed with exhibitors.

The folks at Holiday Inn have assured us that your stay will be one August 1976

of your most pleasant motel experiences. These facilities are yet another reason to MENTION THE CONVENTION.

Marty Griffin, WAØGEH
Convention Co-Chairman

PROGRAMS TO BE TELEVISED!

The 1976 Midwest Division ARRL Convention technical seminars are expected to be well attended. Speakers Chairman Jim Peterson, WBØQGV, states that many speakers have been asked to deliver their presentations two or three times to accommodate the large crowds. Selected programs will be televised live or video taped. These programs will be transmitted on a vacant television channel in the Holiday Inn's television system. It is expected that the programs will be aired during "non-program" hours, possibly all Saturday night.

Many thanks to Frank Wolczak, WAØIWF, manager of K & M Electronics, for his upcoming assistance. Frank also plans to display the

convention updates and messages on a video monitor in the hospitality booth.

This is just another innovative idea from Ak-Sar-Ben Amateur Radio Club members to make this a "CONVENTION to MENTION"!

Marty Griffin, WAØGEH
Convention Co-Chairman

1976 MIDWEST CONVENTION EXHIBITORS

The 1976 Midwest Division ARRL Convention is delighted to welcome the largest and finest group of exhibitors ever assembled at a Midwest Convention. Exhibitors Chairman Kaye Ramsey, WØSBZ, states that more than 20 exhibitors are committed to attend with many more tentatively committed. A 22,000 square foot exhibition hall has been reserved for this important contribution to a successful convention.

Sharon Griffin, co-chairperson of the ladies committee, and her committee is actively pursuing another 10 major exhibitors of special interest to the ladies.

We are pleased to welcome the following confirmed exhibitors:

1. Doverton - South Pasadena, CA
2. K-Enterprises - Shawnee, OK
3. Burghardt Amateur Center - Watertown, SD
4. Hal Communications - Urbana, IL
5. Hobby Industries - Council Bluffs, Iowa
6. Spectronics - Oak Park, IL
7. Midland International - Kansas City, MO
8. VHF Engineering - Binghamton, NY
9. Hy-Gain Electronics - Lincoln, NE
10. Collins Radio - Cedar Rapids, Iowa
11. Satan Electronics - Salina, KS
12. Ray-De-O-Ray - Omaha, NE
13. Cammo Systems Assoc. - Cameron, MO
14. M.I.T.S. - Albuquerque, NM
15. Motorola Semiconductors - Phoenix, AZ
16. Dentron Radio - Twinsburg, OH
17. Genave, Inc. - Indianapolis, IN
18. Worldradio News - Sacramento, CA
19. CSJ Electronics - Lincoln, NE
20. Midwest Engraving - Council Bluffs, Iowa
21. Antenna Mart - Rippey, Iowa
22. ARRL - Newington, CT
23. More, More, More!!!

We extend an invitation for additional interested exhibitors to write Midwest ARRL Convention, P. O. Box 1173, Omaha, Nebraska 68101 for further information.

Make your plans now to attend and meet your friends in the amateur retail business.

These exhibitors assure us that prices will be better than ever and they are prepared to "wheel and deal." These exhibitors are just another reason to make this a CONVENTION TO MENTION.

Marty Griffin, WAØGDA
Convention Co-Chairman

CQ NET MEMBERS!

After reading this issue of Ham Hum, you have a fair idea of how dynamic and exciting this convention will be. We now ask that on your next net you MENTION CONVENTION!

Thanks fellas!

CONVENTION SPEAKERS

John C. Lawrence, W5CEG, will give a discussion on microcomputers and the amateur radio station. The talk will include a live demonstration of the system he has had working at his home in Arlington, Texas for the past 3 1/2 years. John was one of the first amateurs to use a computer in his station.

James R. (Jim) Bainter, WA7VKZ, is the Senior Applications Engineer for Motorola Semiconductor. He will give a discussion on the use of the MC6800 microprocessor. He will talk about the 6800 including demonstrations of the system and various applications.

R. J. (Jim) Wickham, WBØS JL, will discuss the adjustments and maintenance of teletype machines. It will include repairs on various models which are currently available on the amateur market.

Robert A. (Bob) Conley, WBØLYU – Novice Form. The discussion will center around the novice license with comments on contacts, QSLs, contests and station equipment. It will be ideal for the person interested in becoming a novice as well as the ones that are currently holding novice tickets.

Dennis J. (Denny) Had, K8KXX, representing Dentron, will give a discussion of various types of antenna tuners including the design and operation.

John McKinney, WØAP, FCC-Direction Finding, a discussion of how the FCC can locate transmitted signals. It will include examples of locating downed aircraft and other similar emergencies.

Doyle D. Kernes, WBØIUT, and *James E. (Jim) McKim, WØCY*, will discuss the operation of AMSAT including models of the current satellites. Talk will include tracking and communications through OSCAR.

Col. Gerald L. Prather, SAC Communications, will discuss the operation of SAC's world-wide communications system including a demonstration of the world-wide checkin.

James B. (Jim) Wilson, Jr., WBØJXY, has been working on a third method of SSB in which the band width is maintained.

ARRL Forum – *Harry J. Dannals, W2TUK*, President ARRL and *Paul Grauer, WØFIR*, Midwest Director, will lead a discussion of the ARRL activities.

FCC Forum – *John B. Johnston, K3BNS*, FCC Commissioner, will talk about the newest proposals regarding amateur radio and what can be expected in the future.

For those interested in microcomputers, we are going to have the best collection of experts in the Midwest. We will have representatives from Motorola and MITS/ALTAR as well as John Lawrence, one of the first amateurs to use computers on the air. The total programming will amount to nearly eight hours with plenty of time to ask questions. There will be plenty of time for informal discussions and both Motorola and MITS will have exhibits with working systems so you can get hands-on demonstrations.

WE ARE UP IN THE AIR!

Looking at the Omaha 1976 Midwest ARRL Convention, we found the only thing we were missing was an airborne repeater. A couple of us decided to change that, so now on October 10th on or about 0900 we will release our hydrogen inflated balloons. The total package will be about 125 feet tall as released, with the balloons on top, a parachute next, then the receiving antenna, coax, payload with high-powered strobe light, coax and transmitting antenna on the bottom.

The repeater will be on 146.04 MHz input and will transmit on 145.64 MHz, with about 1/2 to 2 watts. The strobe light will provide visual tracking so bring field glasses or telescopes as well as your rigs.

If the unit gets to the 100,000 feet, will have plenty of coverage and will attempt to QSL all logged contacts.

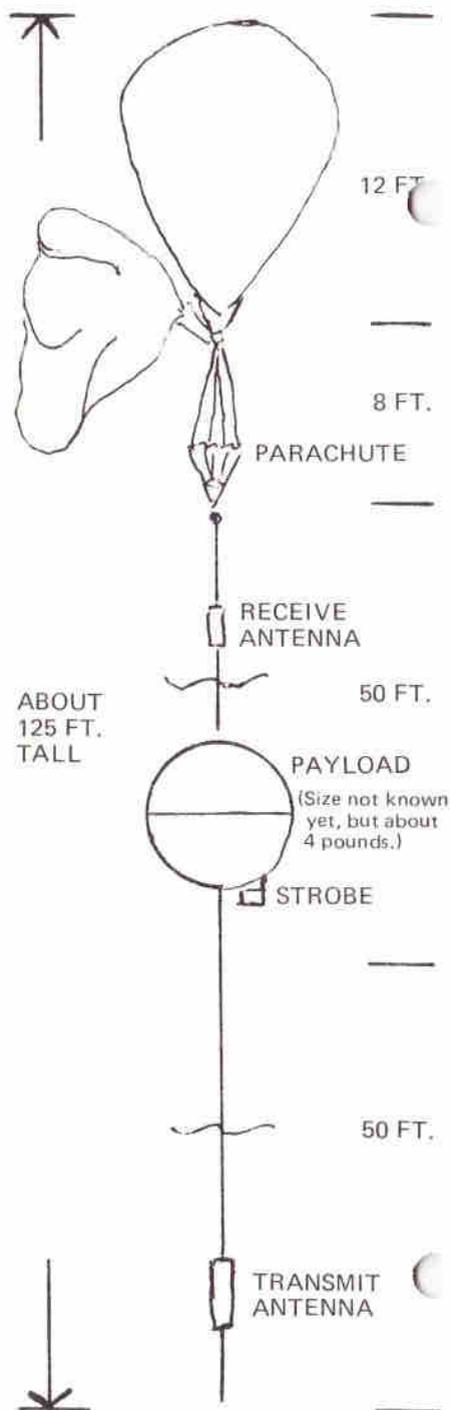
The repeater package will be made up of several parts and we will need people to help and put it together. It will be on display Friday and Saturday, October 8th and 9th, so all may see.

Both money donations and help will be needed to get this in the air. We have the FCC go ahead and are waiting for FAA, so now it is up to many of us.

Following is the list of units that must be used and money and hands are needed:

Airborne

- Balloons (we have)
- Parachute, about 6 ft.
- Antennas — 2
- Receiver
- Transmitter
- I.D. unit
- Control package
- Altitude indicator (have part of this)



Ground Support

Need tank of hydrogen
Balloon ground crew
Receiver-Transmitter
Ground altitude indicator

Net controller and back-up
QSL cards and mailing
Funds and financing

help you can contact: WBØDDZ, Randy Curtis at (402) 553-2804 or
WØRMB, Cecil DeWitt at (402) 556-4619

or send to: Ak-Sar-Ben Amateur Radio Club, Inc., P. O. Box 291, Omaha, NE 68101.

Further details will appear in next month's Ham Hum!

ATTENTION ALL LADIES!!

The convention this fall will be as interesting for the ladies as for the men. A committee of AK-SAR-BEN gals has filled Friday, October 9th and Saturday, October 10th with special fun events.

Friday, after registering, a hospital-ity room will be available for socializing, bingo and etc. There will also be free coffee and homemade cookies provided at all times.

Starting at 9:00 a.m. on Saturday, we will have coffee and donuts along with a presentation by the WICKS 'N' STICKS store from the Westroads Shopping Center featuring their new fall candle decorations. At 10:30 a.m. a London-style double-decker bus will transport us to Westroads for shopping or just looking around. Then at noon we will congregate at the Westroads Dinner Theatre for luncheon and a live play. We'll have you back to the Holiday Inn in plenty of time to freshen up for the evening banquet.

For those who don't care for shopping or the Dinner Theatre (how could that be?) we will have a list of interesting places to visit and things to do on your own.

Our committee is trying hard to please you all so make us happy and come to the convention. Leave your old man with the ham equipment and
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lectures and join us for hours of "FUN"!! To show you that we really are trying to make this a special convention, the Grand Prize for women will be a microwave oven! Be sure to save room in the trunk of your car in case you are the lucky winner. Hope to see you all in October.

Carolyn Baily, WNØPVV

WBØMSN TO EXECUTIVE COUNCIL

Gary D. Maples, WØOXT, has excepted a position with a banking firm in Schofield, Wisconsin and has resigned from the Board. His leadership in AREC and the Ak-Sar-Ben Amateur Radio Club is much appreciated.

To fill the vacancy on the Board, at the July 9, 1976 meeting the membership approved the Board's selection of LeRoy Hilt, WBØMSN, to this post. LeRoy's experience with the corporations and directorships along with his enthusiasm will be an asset to the continued growth of the Club. Congratulations, LeRoy, and good luck in your term!

PRE-REGISTRATION

As you might guess, a convention of this magnitude requires CASH. And our only source of that is "YOU." The convention committee urges everyone who plans to attend to pre-register, using the handy registration form in this magazine. Make checks payable to the 1976 MIDWEST ARRL CONVENTION and mail to P. O. Box 1173, Omaha, NE 68101.

Pre-registration is \$14.00 per person. Registered ladies are entitled to have lunch and attend the dinner theatre for only \$3.50 per person.

If you need more forms, drop us a postcard and we'll deliver them.

Club Presidents, advise us of your meeting dates and we will try to visit your club meeting with a slide presentation!

The convention committee has extended all resources to assure you that this is indeed a CONVENTION TO MENTION. Please support this effort with your attendance. You'll be a better ham for it!

73,

Marty and Mike

PARTS FOR GIVEAWAY

Dear Sir:

I have a lot of parts I would like to give away if anyone can use them. If you have room to advertise these items in the Ham Hum, I would appreciate it.

I have some ceramic coil forms suitable for tank coils or low power antenna tuner. The coils are on ceramic forms 1 in. dia. 2 in. of coil 12 TPI.

A lot of rect. tubes mostly 5U4, 5R4 type, some relays double pole double throw. These are all canned, also some 3 pole double throw. These are 24V units. A lot of oil filled cond.,

some transformers, misc. bathtub condensers. A few broadcast type or variable 3 section. These are pretty good size, the type used in old TRF B.C. Rear. A quite a bunch of misc. transmitting condensers mostly hi voltage, hi cap units .01 .02 etc. A lot of used Rec. tubes.

If anyone can use any of these items, please stop any time at my home after 5 PM week days or I will mail if they would pay postage.

73,

Lawrence Hiltner, WAØQCI

P. O. Box 331

Columbus, NE 68601

POPULAR ELECTRONICS magazine made reference to the character we have to show our area in our calls as a Danish zero - a zero with a slash through it - is used to distinguish it from a capital O.

Is that correct? Anyone know?

Charlie, KØQVL

Phone: 391-3782

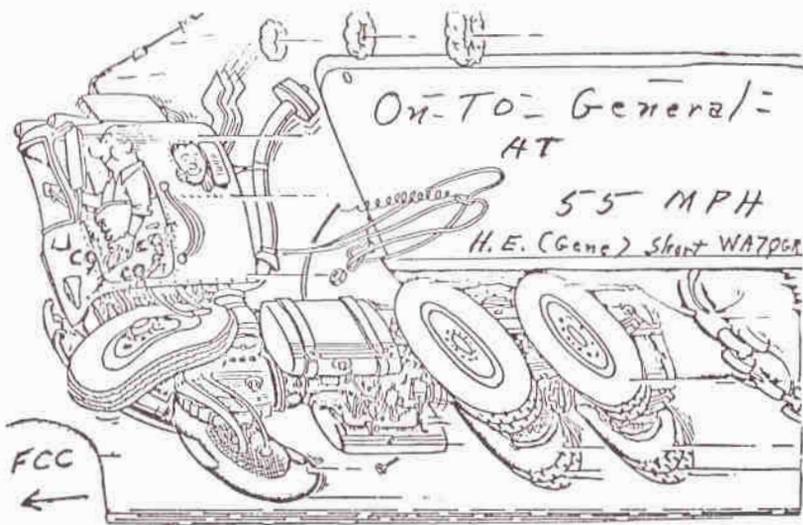
Did you know a Midland 13-500 is one of the door prizes?

CQ MICROPROCESSOR BUFFS!

There are eight (8) hours of technical seminars by the nation's leading microprocessor experts. Where else can you get that much instruction for a pitiful \$14.00!

Marty

Did you know Doyle Kernes, WBØIUT, will have full models of AMSAT'S Oscar 7 and 8 on display?



Following article submitted for publication in Ham Hum
by Don Novotny, WBØDRS.

I am a longline truck driver for a large Salt Lake City based motor freight line. I am 58 years of age. We operate two man teams from Salt Lake City, Utah to points in Ohio, Illinois, Missouri and Kentucky just to name a few places I run to. Like a lot of truck drivers I tried CB but in the long run I figured it was just not for me. So after many long discussions with my friend, Ike Alsop, WA7MHO, about the many advantages in Amateur Radio, I finally decided to give it a whirl, or at least a good hard try.

I started my serious study of morse code and theory in October of 1970, as I knew that I would be laid up for some time due to upcoming knee surgery and physical therapy following the operation. I was injured in a rather serious truck accident, at which time I was asleep in the bunk in cab of truck (sleeper cab), when we left the hiway at 55 MPH and overturned. My driving partner was only slightly hurt and we were both lucky as I could
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have been killed and he could have been more seriously hurt. The cab of the truck (cabover engine), was a total loss.

Well after much code practice and a lot of study on theory, which I knew absolutely nil, I went to WA7MHO's house for novice code test and froze up like an iceberg! So finally after about six different days of nervous trys I succeeded in my passing novice code test. And when the theory test came I also passed that. And after usual wait I received my license and went on the air with my novice gear and an inverted "V" antenna. I also received my WAS as a novice! Well after my knee operation and therapy for about eight months, and much joy out of my new hobby, as I was on the air constantly after operation and subsequent therapy. It was a godsend to help me pass the time before returning back to work.

And then I got to wondering how I was going to upgrade my license with a

job like mine. When I am away from home on an average of four days at a time. And when back home am only home about fourteen hours between trips, unless I take off extra time which isn't often. So I could see that I really had a large problem to solve. So after much worry and thought on the problem I had a solution! I would purchase a small cassette tape recorder! So I then taped the entire ARRL license Manual and several other books on theory for background material, which I sorely needed. I also taped W1AW and W6QIE for code practice as I never did get much out of records after I got about five words a minute. I then set up the tapes with the help of another recorder so that I had one-half hour code practice and one-half hour theory.

In the meantime after two failures for general at the quarterly FCC exam here, I went back to WA7MHO and took and passed the conditional technician test so that I would keep my call letters. My novice license would run out before the next quarterly FCC exam. Now I was really in a mess! No more CW practice on the low bands at all hours of the day and nite whenever I was at home. In the meantime the Doctor released me to go back to work. Now to try out my idea! So as not to disturb my co-driver when he was sleeping, I used an ear plug with cassette. So as I drove I listened to theory and practiced code by using my right forefinger to write the characters upon my right knee! And as we drove a shift of about seven hours I got in a lot of study. Of course this was on open divided hi-way and in good weather. When in heavy traffic or in bad weather or on narrow roads I used time to study theory only and contented myself with orally reading off road signs and mileage markers in morse code.

Well, all told I used the cassette for over two years and on May 15, 1974 had to finally replace recording head on cassette as it was worn out! You know that when you listen to your voice over and over for that long of a time you finally feel that you should be on TV! Hi Hi Hi Well all my hours and miles of study (I am still studying) payed off as on the fourteenth of June 1974 I passed the general test! So onward and upward! Remember if you are faint of heart and wondering if you can make it in Amateur Radio..... Well where there is a will there is a way..... Addendum.....

Twelve trys in all to get my General ticket! And six hard trys for the Advanced ticket exam which I passed on September 19, 1975! In five years of study in diesel-semi I have worn out many tapes and completely worn out my original tape recorder!.....

Remember.....Failing to prepare.....you are preparing to fail.....

H. E. Short..... WA7QGR

MENTION CONVENTION!

Did you know a Brimstone 144 is one of the door prizes?

MAKE ROOM RESERVATIONS NOW!

Did you know that 72nd Street the "Strip" and features some of the finest restaurants (and most reasonable) in the world! Try an Omaha steak!

RRRA NOTES

by Ronald J. Jakubowski, W2HXP

It becomes evident from listening to the repeaters in this area, and across the country for that matter, that the most-understood and most-often violated section of our Amateur regulations is section 97.87, Station identification. In an attempt to clear up some of the confusion and misconceptions, I will outline, with examples where pertinent, the latest requirements.

- A. You must identify yourself at the beginning and end of each transmission or series of transmissions.
- B. In any event, you must identify yourself at least once in any 10-minute period of operation (QSO).
- C. Additionally, at the end of a QSO, you must give the call sign of at least one of the stations you were in QSO with or give the generally accepted net designator (MYSTEN, WNY, ECARS, WR2AEI, etc.)

Note that the end of a QSO is the only time you *must* give another station's call sign. How many times have you heard, "...73 George, I'm destined, talk to you later. WA2XYZ clear." Yet in every other exchange in the 90 second QSO he probably used both call signs!

Another common violation is leaving out the call area when operating portable or mobile. You must sign portable or mobile 2 (or any other call area you're working in) when identifying your station for the purpose of satisfying the regulation.

The difference between Fixed, Portable, and Mobile operation also tends to confuse many Amateurs. The FCC spells out the definition of these terms under section 97.3:

Fixed Operation: Radiocommunication conducted from the specific geographical land location shown on the station license.

Thus, when you are sitting in your driveway in your car, or out in your backyard with a hand-held, or anywhere at the location shown on your station license, are fixed, *not* portable or mobile.

Portable Operation: Radiocommunication conducted from a specific geographical location other than that shown on the station license.

Mobile Operation: Radiocommunication conducted while in motion or during halts at unspecified locations.

Most confusing between portable and mobile operation comes about when operating from a vehicle or with a hand-held unit. If you are stopped at a specific geographical location for the purpose of conducting radiocommunication (e.g. hilltop for VHF contest, Armory for conducting a CD drill etc.), or if you are conducting radiocommunication from a specific geographic location at which you are staying or visiting, you are operating portable.

On the other hand, if you are stopped at an unspecified location (street corner, parking lot, roadside, etc., where the location is not pertinent to the operation), you are still operating mobile. Note that there is nothing said in the definitions about

how fast a station may be disconnected or driven off or walked away with.

I hope that the above explanation will help clear the air on this matter and instill proper identification procedures on the air. This explanation was given by the acting chief of the Amateur and Citizen Division at SAROC in January, 1974.

de RaRa Rag, Rochester, N.Y.

MAKE ROOM RESERVATIONS NOW!

ARRL FREQ. COORDINATION PLAN

An inevitable necessity or a dangerous precedent?

by Rick Booth, WA2GCX

The ARRL has proposed a national frequency coordination plan for VHF repeater operation. This plan would consist of frequency coordinator for his area, with full support and backing of the plan by the FCC. With this backing, the frequency coordinator would have the authority that is necessary to effect workable assignments. In addition, the coordinator would have the authority to determine the power levels repeaters could run to avoid co-channel interference. The performance and actions of a coordinator would be subject to periodic review to prevent any abuses of the system.

The most probable approach for implementing such a plan would be through the existing network of

repeater councils presently performing this task. Our councils issue approvals or disapprovals for frequency requests but in reality these are only recommendations due to the lack of enforcement. The system has worked reasonably well until the number of applicants began to exceed the number of frequencies available for assignment. Voluntary cooperation in some areas has given way to a new axiom: "If you can't have the frequency you want, run somebody off the channel." This type of activity has resulted in a demand for more authority and the result is this ARRL National Frequency Coordination Plan.

Do we really need this authoritative structure? Many people feel that it would be a dangerous precedent to set. Is it a system that could fall victim to "back room" politics, or a step in the right direction to keep our VHF-FM bands from undisciplined chaos? Consider these implications, I would be interested in hearing from you.

Rick Booth (WA2GCX)
ARRL VHF Repeater
Advisory Committee
206 Hillary Drive
Rochester, New York 14624
Tel: 716-889-1559
de RaRa Rag, Rochester, N.Y.

Mention Convention

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Did you know a microwave oven is one of the ladies door prizes?

HAM HUM SWAP

WANTED: Following is a list of parts needed for completing the power supplies of the 2 transceivers that will be at the National Guard Armory:

- 2 - 1.5K 10 Watt resistors
- 2 - 47K 2 Watt resistors
- 2 - 5K 1 Watt pots
- 2 - 1500-2200 MF - 16 WVDC
- 2 - 60 MF @ 450 WVDC
- 2 - 100 MF @ 500 WVDC

If you can come up with any of these parts, please contact Jim Wilson, WBØJPN; phone 455-4259

FOR SALE: Regency HR-2B, loaded with xtals-\$225.00; Complete 2-meter solid state repeater, with IDer and time-out, all on a 10½ inch rack panel-\$250.00; Complete 450 MHz repeater, Motorola, with duplexer, factory power supply, all in a metered Motorola rack-\$300.00; Realistic TRC101A 23 channel walkie, 1 or 5 watts-\$50.00.

NEEDED: Good 6M beam. Will bargain on most of above.
Bill Frost, WBØMAH, 4239 Redman Avenue,
Omaha, NE 68111; phone 451-8853

FOR SALE: Sonar FM-40, 6 meter FM transceiver, 20 watts, 52.525-Mhz. xtals R & T, 110 vac/12vdc. Manual.

Motorola U44BBT, 450-Mhz. transceiver 15 watts 444 & 449-Mhz. xtals, 12vdc, No control head or cable. Manual.

Motorola 2 meter custom FM base station, 60 watts, Receiver-Sensicon 'A', custom cabinet, AC supply, synthesiser, fully metered. Manual.

Model 19 teletype, TD, tape punch, local loop ps. table, very clean.

RCA CMCT-30, 60 watt mobile 2M FM, preamp, .34/.94 & .94 simplex. 4 channel capability, transistor ps. (12vdc) Manual.

Heathkit HO-10 monitor scope, manual.

All equipment very clean.

Frank Wolczak, WAØIWF, 3120 'U' Street
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