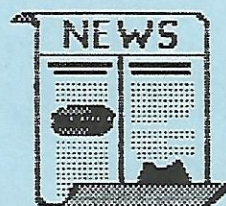
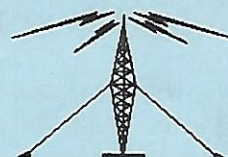




KAMIAK BUTTE AMATEUR REPEATER ASSOCIATION



WANTED... NEWSLETTER EDITOR

As I previously stated in my December, 1991, newsletter, I am not a writer or an editor. I NEED ALL THE HELP I CAN GET! If you are interested in putting together a newsletter for KBARA, please let me know. It is not necessary that you be a sponsor of the association, but it is preferred.

This is a great opportunity to help your association!!!

Rich Thornton, KG7SD
W. 1206 Crestview Rd.
Spokane, WA. 99204

KBARA NET AND SWAP AND SHOP

If you haven't heard, every other Wednesday after the regular 7:00 P.M. Net, there is a Swap and Shop. This bi-weekly scheduling is due to my work schedule. Since I am unable to be there every Wednesday, and some of you have expressed a desire for weekly swaps, I am looking for volunteers to run the Swap and Shop in my absence. If you are interested, please get in contact with me at the above address, or on Packet at WB7NNF or KG7SD-1.

SUNDAY MORNING BREAKFAST



Set your alarm!!!

Come on out and enjoy breakfast with other OM's and YL's at the "Old Country Restaurant", on the corner of Sprague and Bowditch. Breakfasts are scheduled every other Sunday, between 7:00 and 7:30 A.M. Our next breakfast is scheduled for April 19th. The food is great, and the company's even better!! Come and join us...we'd enjoy your company.

KBARA UPDATE...



Welcome to all the new KBARA sponsors who have joined in the last year, as well as those of you who are repeating your sponsorship. As many of you have already discovered, the KBARA repeaters cover a large area of Washington, Oregon, Idaho, and Montana. There are plans in the future for the club in the Omak area to connect with our 147.36 repeater on Stensger Mountain. This will extend our area to the north. A group in the Missoula, Montana area are planning to connect to our 147.02 on Lookout, at the Idaho-Montana border. A six meter repeater is being worked on for placement on Lookout as well. It is hoped that this repeater will come on line later this year. In addition, a site is being sought for the placement of another repeater around Moses Lake to help cover the fringe area of KBARA to the east. Just think of the coverage that will be possible when all of this comes on line! KBARA is already one of the largest repeater systems in the Northwest, and this will only make us bigger and better!

Bob Ryno, WJ7F



ANNUAL PICNIC AND BUSINESS MEETING

This year's annual picnic and business meeting will be held on June 14th. The location will be released later on the regular Wednesday evening Net. The picnic will be potluck, and will be held somewhere in the Spokane area. Business at this meeting will include the election of officers for the coming year, and any changes which need to be made in the KBARA by-laws. We hope you will plan to attend and give us your input into the association.

REPEATER AUTOPATCH AND EMERGENCY AUTODIAL

KBARA OFFICERS

The KBARA repeaters, located in Pullman, Walla Walla and Spokane are equipped with autopatch and emergency autodial numbers. Use of the patch is restricted to emergency, priority and health and welfare.

All three repeaters are linked and the autopatch can be used from any one of them.

TO ACCESS THE AUTOPATCH:

1. IDENTIFY YOUR STATION
2. Access the patch by pressing *123 on your DTMF touch-tone pad. Expect a dial tone.
3. When you hear the dial tone, dial your number.

TO CLEAR THE PATCH:

1. Press #123. There will be a tone confirmation when the patch is hung up.
2. IDENTIFY YOUR STATION

The following list is the updated/current EMERGENCY AUTODIAL numbers. They are accessed using the two digits shown, FOLLOWED BY a # (pound) sign.

- 34# Ferry (Washington) Co. Sheriff
- 35# Haugan Scale House, Montana
- 36# Shoshone (Idaho) Co. Sheriff
- 37# Montana State Police
- 38# Grant (Washington) Co. Sheriff
- 39# Walla Walla 911
- 41# Pullman (Washington) Fire and Police
- 42# Pomeroy (Washington) Co. Sheriff
- 43# Asotin (Washington) Co. Sheriff
- 44# Idaho State Patrol
- 45# Whitman (Washington) Co. Sheriff
- 46# Pend Oreille (Washington) Co. Sheriff
- 47# Stevens (Washington) Co. Sheriff
- 48# Weather (Spokane region)
- 49# Washington State Patrol

Disconnect with the usual #123

There is NO general 911. 911 is not included due to the numerous jurisdictions covered. This eliminates confusion and delay in response from the appropriate agency. It is a good idea to just tell the person answering the phone, that you are a mobile telephone operation, rather than a ham. This often eliminates further clarifying questioning by the dispatcher.

Any long distance charges are paid by Art, WB7 AUK. Agencies not listed can be added.

PRESIDENT

KG7 SD Rich

VICE PRESIDENT

WJ7 F Bob

SEC'Y

N7 LVO Neil

TREAS.

KA7 SUZ Jo Ann

TECHICAL ADVISOR

WB7 AUK Art

CONTROL OPERATORS

WB7 AVD Jim
 WO7 C Ruby
 W7 IFO Dick
 KA7 SPY Phil
 KF7 VH Pat
 WA7 YCP Karl
 WA5 ZAY Jack

KBARA is a group sponsoring linked repeaters.

Dues are \$15.00 per individual, per calendar year. A family membership is offered for \$20.00 for hams living at one address.

Multi-year support donations are accepted.

Address correspondence to:

KBARA
 6812 E. 3rd
 Spokane, WA 99212

KBARA

KAMIAC BUTTE AMATEUR REPEATER ASSOCIATION

KBARA is an association supporting several linked repeaters. These repeaters provide emergency autopatch speedial access to major law enforcement and emergency facilities throughtout Eastern Washington, Northwest Idaho, Northeast Oregon and Western Montana.

KBARA also maintains two repeaters connected to the Evergreen Intertie which covers all of Washington, and parts of Oregon and British Columbia, Canada.

These are open repeaters and visitors are always welcome. Emergency traffic always will receive priority, and immediate access to the system. The secondary purpose is regular use and friendly association with other amateurs along the system.

KBARA holds a regular Wednesday evening net at 7 p.m. ALL ARE WELCOME. At that time all of our repeaters are linked so that anyone within range of any of the repeaters is encouraged to check in.

Our repeaters are as follows:

146.74/.14 located on Kamiak Butte near Pullman, WA.

147.28/.88 located on Pikes Peak near Walla Walla, WA.

147.36/.96 located on Stensger Mt. northeast of Spokane, WA.

These three are always linked. The two following are linkable to the above:

147.38/.98 located on Mica Peak, near Spokane, WA. and 147.02/.62 located on Lookout Pass on the Idaho-Montana state line. These two are part of the Evergreen Intertie.

Regular users of the system are encouraged to support KBARA. Support forms are available at Amateur Radio Team of Spokane. Annual support is \$15 per calendar year, or for family members at one address, \$20.

Name _____ Call _____ Class _____
Address _____ City _____
State _____ Zip _____ Phone (_____) _____

Dues are due January of each year. Dues paid during the last quarter (after Sept. 1) will apply through the entire following year. Applies to renewals, as well as new supporters.



SPACE SHUTTLE

Some of you may be interested in listening in on the space shuttles. With the availability of a good general coverage receiver, SSB during space shuttle flights (frequencies are in Megahertz), upper sideband is used except where it is otherwise noted.

- 2.622 NASA booster rocket recovery
- 2.678 Cape radio range
- 3.385 NASA tracking
- 3.395 NASA tracking
- 5.190 NASA tracking vessels
- 5.518 NASA tracking
- 5.810 NASA booster recover vessels
- 6.693 NASA aircraft
- 6.708 NASA aircraft
- 6.783 NASA tracking
- 6.896 NASA aircraft
- 6.983 NASA tracking
- 7.461 NASA aircraft
- 7.675 NASA Kennedy operations
- 7.765 NASA tracking
- 10.780 USAF Cape radio "Primary"
- 11.205 NASA Pacific operations
- 11.407 NASA booster recovery
- 13.170 NASA aircraft
- 14.456 NASA tracking
- 20.186 NASA tracking (Ascension IS)
- 20.191 NASA tracking (Ascension IS)
- 20.197 Ascension IS (LSB)
- 20.390 USAF Cape radio "secondary"
- 20.393 NASA tracking
- 2.6220 NASA SRB recovery "primary"USB
- 2.6250 NASA SRB recovery ships
- 2.7640 NASA SRB recovery channel USB
- 3.1870 NASA SRB recovery ships channel USB
- 4.5100 NASA SRB recovery ships channel/USAF shared USB
- 7.7650 NASA SRB recovery ships USB
- 9.1250 Ships
- 11.407 SRB recovery ships
- 11.621 NASA SRB recovery ships
- 2.664 Backup mission audio - KSC/JSC
- 2.678 Shuttle shortwave USB
- 3.050 Shuttle air to ground USB
- 3.860 Shuttle air to ground USB
- 4.376 Primary recovery zone SAR
- 4.510 SRB recover ships channel
- 4.856 Cape radio/leader
- 5.180 Shuttle shortwave USB
- 5.190 Shuttle shortwave USB
- 5.350 Launch support aircraft
- 5.350 Shuttle shortwave USB
- 5.680 Launch support aircraft
- 5.810 Shuttle shortwave USB
- 6.708 Shuttle shortwave USB
- 6.837 NASA Cape radio USB
- 6.896 NASA Cape radio USB
- 7.185 Shuttle air to ground

- 7.461 NASA Cape radio/launch support aircraft USB
- 7.525 NASA ground tracking net USB
- 7.676 NASA launch support aircraft USB
- 7.765 Shuttle shortwave USB
- 7.910 Shuttle shortwave USB
- 8.972 Shuttle shortwave USB
- 8.981 Shuttle shortwave USB
- 9.022 NASA launch support aircraft USB
- 9.042 Shuttle shortwave USB
- 9.034 NASA launch support aircraft USB
- 9.132 NASA launch support aircraft USB
- 10.780 Shuttle shortwave USB primary frequency
- 11.104 NASA launch support ships USB
- 11.205 Shuttle shortwave USB
- 11.252 NASA launch support ships USB
- 11.407 Shuttle shortwave USB
- 11.414 NASA Cape radio

Thanks to George, W7LKR, for furnishing us with this information.



SUMMER SCHEDULE OF EVENTS

- May 23-24 Yakima HamShow
- June 6 Wenatchee FleaMarket
- July 17-19 Glacier-Waterton Swapfest
- Sept. 19-20 Milton-Freewater Swapfest
- October 17 Lewiston HamShow
- ~~May 30~~ Coeur d'Alene/Rathdrum
- June 6



NO, I'M NOT SUFFERING FROM AN OUTBREAK OF EYEBALLS--- MY "DOT" PRINTER JUST BLEW UP!

Young folks and ham radio

TRAVIS WISE, KB8FOU

Travis is an active 15-year-old ham who is working hard to encourage other young people to check out ham radio. He serves on the Board of Directors for the West Valley Amateur Radio Association and distributes many bulletins via the packet BBSs regarding youth involvement with ham radio. The following article has previously appeared in The Downlink.

We all know that young folks are important to the survival of Amateur Radio, and that fact has been brought out with the arrival of no-code. Since the FCC quickly dropped no-code on our doorstep, hundreds of hams rushed to their packet terminals and sent out their opinions about no-code to ALLUS. Most of the bulletins which were pro-no-code mentioned something about the importance of youth in our hobby. Whether you are pro-no-code or not, we can all be agreed on one thing: Today's young hams are the future of ham radio.

The saying, "The average age of a ham radio operator is 'dead'" is no longer true! The average age is, in fact, 51.19 (as of 1988). Richard Hoffbeck, NØLOX, has prepared a two-page report which breaks down the ages and dispels some myths about ham radio's age problem. Just how bad of a problem is it? Well, Richard thinks that in 20 years, it will be a "troublesome problem." In 1988, there were about 480,000 hams in America. Of those, three percent, or 10,345 were under the age of 20. Three out of 100! Think about your local ham club. Are there three young hams per 100? Probably. Keeping in mind that about half of all hams are active, there are about 5,000 active young hams in America. While these figures are from 1988, they are probably still accurate.

Richard also reports that it is false to assume that since the number of hams has been growing at a faster rate than the population as a whole, ham radio is at no risk of becoming a dying hobby. It is faulty to assume that society as a whole has remained at the same level of technology.

How does all of this fall in with packet? Well, you have probably seen

a few bulletins go by from teachers who use Amateur Radio in their classrooms and are looking for other hams to exchange messages with their students. I have a list of about 15 of these schools. There are also about 30 young hams on packet nationwide with whom I have come in contact in the last year. I am hoping that with the codeless Technician license these numbers will grow, and every club will have a ham radio class, and every school will have a ham radio club ... someday.

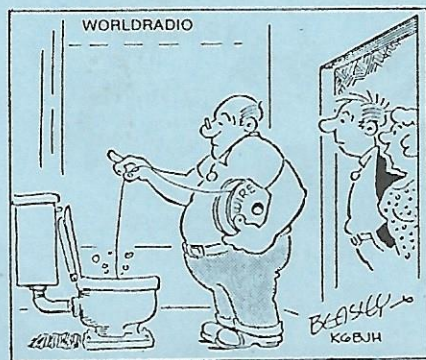
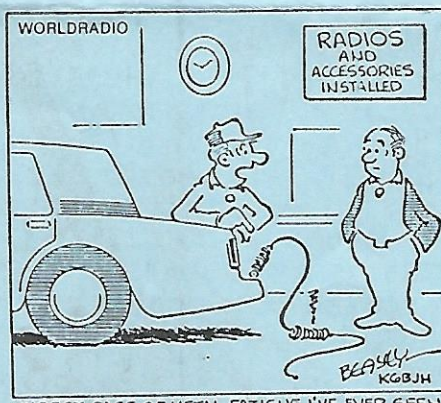
When I first started my campaign to find other young hams in packet radio, I received one message from a grouch who didn't think packet radio was the place for a newsletter/bulletin regarding packet. He has been proven wrong by the tons (or shall I say, bytes?) of messages I have received in overwhelming support of "The Packet Racket." I now have a list of about 20 young hams I often correspond with, some of whom have their Advanced licenses!

Now that The Packet Racket is in it's 10th edition, I have received only a few comments from the HF gateway

SysOps asking me to reduce the size of the bulletin to below 3KB (the first three editions were over 5KB). I have tried my best to do that, and each message is now under 2KB. I'm doing my best to help the HF gateways be as efficient as possible.

I think packet is the future of Amateur Radio, along with satellites and perhaps even moonbounce. I'm hoping that within a few years all packet will be 9600 baud, and HF packet stations can operate automatically just like VHF stations, without the yearly "okay" by the FCC (that is ridiculous). It's obvious now that, at least in the Bay Area (California), we are going to have to increase the number of packet frequencies in the near future, as well as continue to encourage packet activity as the NCPA has.

So while we wait for our numbers to swell and for someone to totally revamp the packet system so that it can handle infinite quantities of messages, with a forwarding system such that the propagation on HF won't make a difference, we can sit back, read the mail and enjoy packet radio—and the great amount of technology that exists in the small box next to our computers. □



Handi-Ham Jubilee

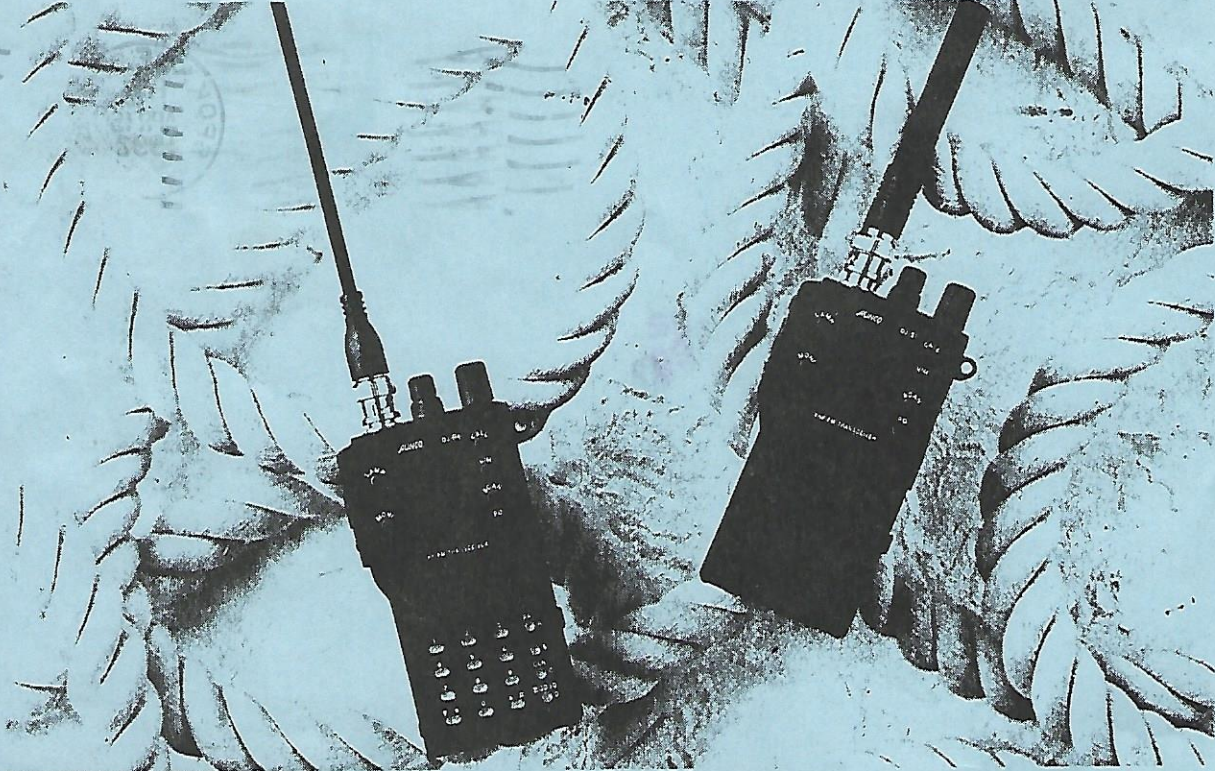
The Handi-Ham Silver Jubilee will run throughout the year 1992 in celebration of 25 years of Handi-Hams. All contacts made from 0000Z Jan. 1, 1991 through 0000Z Jan. 1, 1993 will be valid. Special operating times are scheduled from 2000Z April 25 to 2000Z April 26, and from 2000Z May 23 to 2000Z May 24 on 28.397 or 28.317 MHz.

Eligibility: All licensed operators are invited to participate. Handi-Ham members will affix Jubilee seals to their QSL cards; these seals are only available to Handi-Ham members.

Procedure: Handi-Ham members call, "Anyone wishing to work a Handi-Ham member and receive a Jubilee seal, please call (your call)." All others call, "CQ Handi-Ham Jubilee."

Frequencies: There are no set frequencies or modes of operation. Some suggested frequencies are: CW—3.757, 7.127, 14.037 MHz; phone—3.952, 7.237, 14.297, 21.327, 28.317, 28.397 MHz; 2M simplex. It is not necessary to use these frequencies; contacts are fine wherever you find them. However, do not use net frequencies.

Awards: A handsome commemorative certificate will be issued for working 25 Handi-Ham members. Submit 25 QSLs with Jubilee seals with \$1 and SASE to Handi-Hams, Courage Center, 3915 Golden Valley Rd., Golden Valley, MN 55422. Your cards will be returned along with the certificate. More information about becoming a Handi-Ham member may be obtained from this address as well. □



NEW
At
**A.
R.
T.
S.**

ALINCO

DJ-S1T(VHF) DJ-S4T(UHF)
DJ-S1E(VHF) DJ-S4E(UHF)
VHF/UHF FM
MINI HANDHELD TRANSCEIVER