

JANUARY 1997

Shy WY Officers

President-Steve Cochrane

Vice President-Marty Luna

Secretary-Beth Harris

Treasurer-Pat Baird

Shy Wy monthly meeting

Shy Wy holds its monthly business meeting at the American Legion Post No. 6, 2001 E. Lincoln Way on the second Tuesday of every month at 7 p.m.. The meeting room is in the west side of the building. There is handicapped parking, ramp, and entry on the west side of the building. All hams are welcome.

Repeaters Are Open Repeaters

The 146.775-, 147.105+, and the 147.165+ repeaters are **open repeaters**. During Sky Warn and ARES/RACES activation the 146.775 repeater is the primary repeater and the 147.105 repeater is used as the secondary repeater.

Bob Fredrick Hospitalized

Bob Fredrick (N7FR) was admitted to a hospital in Yuma, Arizona during the last week in December. Following a trip to the doctor's office with some chest pains, the doctor sent him directly to the hospital. He was diagnosed as having had a mild heart attack. Please take a moment and drop him a get well wish. You can mail it to:

Robert Fredrick
Glenaire Mobile Home and R.V. Park
1111 Avenue B
Space 71
Yuma, AZ 85364

The President's Corner

From your President

Happy New Year and I hope Santa brought everyone what they wanted for Christmas. The Wyoming State Legislature is about to start their 1997 session and we (Hams) have a bill that is being introduced that will recognize the

Federal governments preemption over state and local governments in regulating Ham radio. This is House Bill # 30. We need everyone's support to get it passed this year. So as soon as you read this please fill out a QSL card and send it to your state representative and state senator. The address is: <name of your representative>, Wyoming State Capital, Cheyenne, WY 82002 and /or call the Voter Hot Line 777-VOTE. This legislation is an attempt to head off restrictive antenna ordinances in cities and municipalities in Wyoming. As Wyoming grows and new people move to this great state they tend to bring some of their strange ideas with them. (This has nothing to do with neighborhood covenants). We're using the philosophy that "the best defense is a good offense". If we get the legislation now while we have the power it will make our lives easier later. Thank you.

Now some fun stuff! The Mir Space Station is operating a number of Ham radio modes. FM voice on 2 meters is 145.200 MHz uplink (your transmit frequency) and 145.800 MHz downlink (your receive frequency). Packet 2 meter is 145.800 MHz uplink and 145.800 MHz downlink (simplex) at 1200 baud. I don't think there is a set schedule to work packet or voice just listen to the downlink frequency during the pass to determine what mode they're in. In addition they are using the 70 cm band for voice, packet and a repeater. These frequencies are Mode 1 (repeater) 437.950 MHz downlink and 435.750 MHz uplink using 141.3 Hz CTCSS tone. Mode 2 (packet) 437.975 MHz downlink and 435.775 MHz uplink at 9600 baud, no CTCSS tone. Mode 3 (QSO) 437.925 MHz downlink and 435.725 MHz uplink using 141.3 Hz CTCSS tone. The great thing about all this is theoretically you don't need high power or great big antenna arrays. There are a number of good satellite tracking programs available. If all else fails AMSAT sells a number of different ones for most computers. There are a lot of shareware programs on the Internet, AOL and CompuServe.

Oh, one more thing you need to know, Doppler shift, as the space station moves toward your location the frequency will shift up and as it moves away it will shift down, so you will have to adjust your VFO or have a number of closely spaced frequencies programmed into memory. I know this all sounds rather complicated but it really is easier than it sounds. There are a large number of amateur radio satellites in orbit. They have many different operating modes and frequencies. To become more familiar with amateur satellite you can contact AMSAT, 850 Sligo Ave., Silver Springs, MD 20910-4703, or if

you are connected you can visit the AMSAT WorldWide Web page at <http://www.amsat.org>.
73, Steve WA7H

The Section Manager's Corner

by
Rev Morton
WS7W

By the time you read this in late February or early March we will all know what happened to House Bill-30. If passed, this Bill will allow federally licensed amateur radio operators in the state of Wyoming to erect a tower up to a height of 70 feet without any city or county restrictions.

Naturally a building permit will be required by most cities and counties to ensure the tower is installed per the manufactures design and instructions. This Bill is a mirror image of the F.C.C.'s PRB-1 which addresses this issue on a federal level. Therefore, let us hope that all the QSL's we sent our state representatives and senators asking for their support of said Bill paid off.

Dr. Kent Cullers, WA6TWX, a NASA scientist has agreed to be the guest speaker at the State Hamfest in Cody on May 24-25. Once again it looks as if the Cody group is out to host another great Hamfest so mark that weekend off for Cody.

Last but not least a big thank you and congratulations to Bob Williams N7LKH who is the new Section Manager as of April 1. We could not have asked for a better S.M., thanks Bob.

Don't forget the A.R.R.L. DX phone contest on March 1.
73's Rev WS7W

Christmas Party--A Success

The party went very well, the committee did a great job. We had 32 adults and 2 children. Lots of door prizes and lots of fun.

Thank you YLs for making this a very special time of the year. WA7H

Afton, Wy--flattened by Earth Quake

Afton, Wyoming was completely flattened by a devastating earth quake on December 12, 1996. The earth quake registered 7.5 on the Richter scale. Most of the Wyoming town was destroyed and 150 deaths were reported.

STOP, DON'T PANIC!!!! This was a

communications exercise conducted on 12 December by LCEMA and WEMA. The emphasis of this exercise was communications. Some of the participants in this exercise were the Red Cross, National Guard, news media, Department of Health, Department of Transportation, State geologists, WEMA staff, LCEMA staff, Chuck Young (Emergency Management Coordinator for Lincoln County), and members of the Laramie County ARES/RACES to name a few..

Simulated emergency messages were passed between LCEMA (Afton, Wy) and WEMA (Cheyenne, Wy) by ARES/RACES members.

Packet radio, 2 meter voice, and 10 meter HF were all used with great success. All messages presented to the operators were sent without a glitch.

The exercise was definitely an eye opener to the ARES/RACES members as they interacted with the other agencies during this exercise and it makes one realize that this type of disaster is live and real and could happen in our State and community any time. The moral of this story is to be ready.

Technical Committee Report

The repaired channel element came back from Bomar Crystals and the new 146.775 machine is on the air. Although not back to it's permanent QTH it is operational with out a phone line. I expect to return the repeater to the Burk building sometime in early February. When fully operational commands and access codes will match those of the 147.105 repeater. In case you forgot here is an important one to remember:

911* = Access to Cheyenne 911 center. (Not YET Operational on 146.775)
To disconnect press #

Club members can bring up the phone patch. Members can contact the treasurer. for the access codes. There may be a tone (114.8 Hz) on the 146.775 in the near future (February 97).

Code Classes

Code classes will resume at the LCEMA classroom on January 8th and continue every Wednesday night at 7 PM..All hams are

welcome to attend the classes as students or for moral support. After class discussions on other ham topics have been quite interesting and informative.

VE Testing

The next VE session will be held at the Bus Garage on South Industrial Drive (just off College Drive) at 9:00 AM, Jan 16th. Contact George Anderson (N7PLJ) if you need any additional information.

Wilson Sellner has announced the following VE test sessions for 1997. The Jan 26, 97, has been changed to Feb. 1. The rest of the dates for 97 are May 3, Aug 2, and Nov 1.

These test sessions are conducted at the Highway Department cafeteria at 9:00 A.M. If you need information on this testing session, please contact Wilson Sellner (WB7RRZ)

Nominating Committee Formed

Election of Club officers are held every year in March with their installation in April. Scott, KC7DVE and Greg, KB7MUP have volunteered to be the nominating committee for the March 1997 elections. Nominations and election will be for president, vice-president, secretary, and treasurer. Remember only current Shy Wy members may submit nominations. Those who are nominated must also be current Club members.

ARES/RACES Workday

January 20 will be an ARES/RACES workday to complete the installation of the radios in the van. Location will be announced via the Sunday net, e-mail, and packet. For more information contact Marty (KJ7JJ).

New Packet Stations

ARES/RACES and WEMA now have their packet stations operational.

Both stations operate on the frequency of 145.050. WEMA's call sign is N7QJB, with N7QJB-1 being it's mailbox. LCEMA's call sign is KC7SNO and KC7SNO-1 is it's mailbox.

Brian Grimm (N7QJB) is the control operator at WEMA and Marty Luna (Kj7jj) will be found at LCEMA.

Sign in to these two stations and leave a message for them and check the mail box for any information related to their respective agencies.

73's

