

# SPURIOUS EMISSIONS

## Hermiston Amateur Radio Club

KC7KUG

P.O. BOX 962, Hermiston, OR 97838

FEBRUARY 2002

### MESSAGE FROM THE PRESIDENT

Joseph R. Melow, KD7NFD

First off, I would like to thank everyone for the vote of confidence! I promise to do my very best to earn that vote and not let you down. I would also like to say thank you to Becky Tullis (KK7RF) for graciously accepting the appointment to the position of 1st vice president. In addition, I would also like to thank Dave Mull (WA7FJT), Pete Young (KA7TUR) and Harold Manny (N7YPX) for their acceptance to serve on the Constitution/By-Laws Committee. I look forward to see the fruits of their labors, as I'm sure their hard work will surely be of great benefit to the club. I encourage everyone to help them with their task by submitting your suggestions and concerns so that they can address them.

Now, with that said I would like to ask for everyone's help by asking each member to give me their opinion on the club. For instance, are there activities that the club is currently engaged in that it shouldn't be? Or are there things that the club is not doing that you feel it should? Sound out and let me know and we shall try to remedy the problem. I can't fix a problem if I'm not aware of it and so I'm asking for your valuable input. Since I am an elected officer it is my responsibility to try to fix problems and I accept that but would also submit to you that the converse is also true. Namely, that the members have the responsibility and duty to voice their concerns in order to have them addressed. In public or in private, anonymously or directly, it does not matter just as long as I receive your input. Tell me what direction you want the club to go in and what areas you wish to avoid. To use an analogy--think of me as a driver and as each one of you as my trusted navigators. I'll drive the car wherever you want me to go and will do so as expertly and in the most professional manner as possible but I still want and need your guidance.

To this end let me address the tone vs. no tone issue and if anyone disagrees or has a differing opinion please sound out. Also, if there is any way to improve upon this train of thought, please sound out also. So here goes. I'm of the opinion that, although the club should upgrade our equipment and make it capable of handling tone access along with any other advanced features that might be desirable, as it stands right now there is no pressing technical reason to expedite this issue. Without technical

reasons such as interference or the like I can see no reason to add it. However, as I stated before we should move forward and be capable of adding it if and when the situation dictates its use and has been approved by the membership. To help determine this I would like to make an official interference/repeater report form that we can use to justify not only the addition of tone but to also help with the overall administration of the repeater itself. Since I have been monitoring the repeater I have not heard any interference but then I am relatively new and cannot use my limited experience to make that the sole basis for this train of thought. I have, however, received conflicting reports that are diametrically opposed to one another and to settle the matter have proposed this compromise. Any suggestions or comments? PLEASE LET ME KNOW! Before closing this issue I would also like to state that is it my personal belief that our club should be as inclusive as possible and given there are several individuals who do not have tone access this stance would accommodate them while bearing no harmful effects upon those who like myself have tone access capability. I would further add that although as it stands there is no need for tone now, that the situation could possibly change and so everyone without tone access should attempt to upgrade their equipment when time and money allows. Besides, here's the perfect excuse to help you justify your purchase of new equipment! (But honey, I "HAVE" to do it...) (small joke)

Well, I could go on and on but this is a bit longer than I had planned for a newsletter so I'll stop. Before closing however I will encourage everyone to attend the next meeting and to participate in the weekly radio nets. We are a club and should have fun and what could be more fun than hanging around with others who share our similar interest? Well, that's all from me. See you on the radio!

73 Joe [kd7nfd@yahoo.com](mailto:kd7nfd@yahoo.com)

### MEMBERSHIP NEWS

At this time, the HARC membership has grown to 37 paid members. It has been several years since we have seen a membership of this size. This year we have past members who have renewed, new members and members who have been with the club for several years joining us; many bringing their families with them. With this large

membership, meetings, breakfast and the many community events we participate in should be a lot of fun.

### EXTRA CLASS Study group

Kyonghui Cross "KC" recently passed her General Class exam and will be starting a study group for EXTRA CLASS. Requirements are a General or Advanced class license to join the group and a current EXTRA book like those at Radio Shack. The group will meet on Tuesdays and Thursdays and take the test in Pendleton in the month of April....N7OII for Math support, N7ERT for technical support...Class to start in one to two weeks with space available for 1-4 people. Contact Kyonghui, N7OII [n7oil@starband.net](mailto:n7oil@starband.net).

### COMMITTEES NEED OUR INPUT

Don't forget that any ideas or suggestions about the by-laws should be mentioned to the new by-laws committee members. In addition, we have a new repeater committee to address problems and or needed changes to the HARC repeater network. If you hear any problems or have suggestions, pass them on to a committee member. Committee members are Kevin Kamlin, Pete Young, Jody Cross and Whitley Smith.

### Repeater Frequencies -- HINTS -- Talk the Talk; don't confuse the world!!

Here is the problem, repeater users are having difficulty understanding and identifying the inputs and outputs of amateur repeaters. The 146.28 input is different from the 147.28 output... The 146.88 means "8 8", the repeater output... "2 8" means the 147.28, the repeater output.... 147.62/02 means "0 2" the 147.02 repeater output. Confused??? Most are!!! Read on!!!

In the VHF Ham world you only need to refer to the tenth and hundreds units of the Mhz frequency. 145.XX, 146.XX and 147.XX. FCC part 97 spells out what 2 meter frequency segments are available for repeaters.

There are only 3 simple rules to remember:

1. If the XX digits are odd numbers, this means the repeater output is in the 145 Mhz range with a -600 offset.
2. If the XX digits are even numbers and above the value of 50, the means the repeater output is in the 146 range with a -600 offset.
3. If the XX digits are even numbers and below the value of 50, the means the repeater output is in the 147 range with a +600 offset.

There are only a few exceptions to the above rules, the 146.96 and 146.98 could have a +.600 offset and the 147.00, 147.02, 147.04 could have a -.600 offset. This is used in some special cases, but not in our area.

Lets always talk repeater output frequencies, you never need to refer to the repeaters input it is understood the input is either + or - 600Khz depending on above rules 1, 2, or 3.

This is very simple, here are some examples:

4 1 repeater is a odd number, therefore 145.41 with a -600 offset...

6 4 repeater is a even number and above 50, therefore 146.64 with a -600 offset...

8 8 repeater is a even number and above 50, therefore 146.88 with a -600 offset...

9 6 repeater is a even number and above 50, therefore 146.96 with a -600 offset...

1 6 repeater is a even number and below 50, therefore 147.16 with a +600 offset...

2 8 repeater is a even number and below 50, therefore 147.28 with a +600 offset...

Note: Not Eighty Eight, just Eight Eight, Not Ninety Eight, just Nine Eight, Not Forty One, just Four One

Don't confuse the issue with more than the needed two digits to identify the frequency....

The Simplex frequencies are like wild cards no one seems to follow the 20 KHz band plan when landing on a simplex freq.

Example: 146.555 since folks don't want to go on 146.52 they elected to mess things up for other folks who use 146.54 and 146.56 simplex. So Simplex frequencies are spaced 20 KHz apart between the repeater inputs and outputs in the 145.XX, 146.XX and 147.XX areas. BANDPLAN, BANDPLAN, BANDPLAN, BANDPLAN, know your BANDPLAN for your local area.

By Jody Cross, N7ERT [n7ert@starband.net](mailto:n7ert@starband.net)  
25 Jan 2002

### MEETING LOCATIONS

The regular February meeting will be at the Hermiston Fire Department Station #2 at 1930 hrs February 11<sup>th</sup>. The new station is in the final days of completion and hopefully we will be meeting there in March. Listen to the club net for current information about the meeting place.

The regular club breakfast will be Sunday, February 10<sup>th</sup> at 0800 hrs, in the Hermiston Eagles Lodge. The breakfast is always the Sunday before the second Monday of the month, which is club-meeting night.

## HAMFESTS

**RICKREALL** – Feb 16<sup>th</sup> at the Rickreall Fairgrounds.  
E-mail: [KC7NOS@juno.com](mailto:KC7NOS@juno.com)

**MIKE & KEY** – March 9<sup>th</sup> at the Western Washington Fairgrounds, Puyallup, WA.  
<http://mikeandkey.com/flyer02.htm>

**W7AQ** - Yakima Amateur Radio Club April 6<sup>th</sup> & 7<sup>th</sup>  
Washington State Ham Convention & Banquet  
<http://w7aq.ykm.com>

## FOR SALE / WANTED

Radio's For Sale 26-Jan.-2002 Mike Gemelke - N7NKT

KX-P1624 PRINTER  
WIDE CARRAGE PRINTER  
COMES WITH BOOK AND  
BOX OF PAPER  
BEST PRICE

-----  
RCI-2950 MOBILE      KENWOOD  
10 MTR. MOBILE      TR-7950 MOBILE  
ALL MODE              \$ 110.00  
BEST PRICE

-----  
AZDEN MOBILE      IBM LAPTOP COMPUTER  
PCS-3000 2 MTR.  
MOBILE              810 MG. HARD DRIVE  
                            CARRYING CASE FOR  
                            COMPUTER,  
\$ 80.00              SMALL PRINTER TO GO WITH  
                            IT

-----  
ICOM HANDHELD      MAGELLEN GPS 2000 XL  
420 - 450 MHZ.      WITH CARRYING CASE AND  
                            USER MANUAL AND  
IC- F40 LT WITH      COMPREHENCE  
PROG SOFTWARE      GUIDE TO LAND NAVATION  
BOOK  
+ CABLE. / \$ 200.00      \$ 110.00

-----  
Mike Gemelke      N7NKT      449-1749  
-----

## ARES / RACES

For info about ARES and RACES in Morrow and Umatilla Counties, contact Gary Cooper N7ZHG. Gary is the EC for Morrow / Umatilla Counties and the District 3 DEC. <http://ares.csepp.net/>

## KC7KUG NET

The HARC repeater nets are held on Monday evenings at 1930 on the club repeater network. The club repeaters are linked together for greater coverage in the Morrow and Umatilla Counties. The linked repeaters are 449.325 -, 147.02 +, 147.16+ and are operating with no tones. Members and non-members are welcome to check into the club nets. The club net is operated jointly with the Pendleton Radio Club at this time.

## ARRL MEMBERSHIP

ARRL membership (new and renewals) may be paid through the club. If you are a new subscription or a returning member that has been absent for two years or more the club will receive a portion of the membership dues for it treasury (one time only). See the Secretary / Treasurer for the proper application.

**Remember, we have several upcoming events ahead of us:**

Stanfield Parade  
Watermelon Festival Parade  
Club Picnic  
Field Day  
Umatilla County Fair Parade  
Club Picnic

Next month we will have some new articles of interest. If you wish to contribute a short story, technical article or pictures contact Phil KC7KI or send them to [kc7ki@arrl.net](mailto:kc7ki@arrl.net). Don't forget to send in your FOR SALE/WANTED articles also.

**SEE YOU AT BREAKFAST, THE CLUB MEETING OR TALK TO YOU ON THE NET.**

73

Phil KC7KI