

How do I Join and get a Newsletter?

Did you pay your dues to FVARC, P O Box 7541, Kalispell, MT 59901? Club dues are \$20 for the year (January through December). They will be prorated after June according to the month you join. 15\$ is club fund, 5\$ is repeater fund. Many people use the club's repeaters but don't pay the dues that support the repeaters. If this describes you and you feel even a little guilty we could use your support.

All first time licensed amateurs receive club membership free for a year. Be sure and register with our Treasurer, Barbara Magone KB7YMS, at 862-4066. All younger than 18 receive club membership for half price. **If you're not getting the newsletter and you should be, or you are getting it and shouldn't, then contact Ed Mahlum at 300 Leisure Drive, Kalispell 755-6673.**

President's Letter

Well another month has come and it's about time for another meeting of the Flathead Valley Amateur Radio Club. I would like to thank all that attended the dinner on April 8th. I would also like to thank all of you that have kept me and Manny in your prayers and thought in the past month.

A month that has been personally difficult and trying for me personally. It means a lot to be able to have ham radio to have someone to talk things out. My foot has completely healed and feels better than it has since last summer. My

wife of 19 years left me and filed for divorce the day before I had the foot operation and it looked like my world had come to an end, but at this time a month later I have to say things are a lot better and I have even seen a nice decrease in my blood pressure. Thank you all the members of the Flathead Valley Amateur Club for your help in the past month.

73's Don Ross KJ7IZ

Sick and Hurting:

Minutes Flathead Valley Amateur Radio Club March 23, 1995

Meeting was called to order at 7:30PM by President Don Ross KJ7IZ. Don was excused for sitting because of recent foot surgery. Motion was made and seconded to accept secretaries minutes as placed in newsletter. Motion was made and seconded to accept treasurer's report. The General Fund has \$586.55, the Repeater Fund \$557.69 for a total of \$1104.24.

Introductions:

Given with 41 in attendance.

Old Business:

Decided to hold business portion of meeting to 30 minutes as per directions from board of directors and then to call for adjournment. Motion passed.

New Constitution and By-Laws did not get fully printed in newsletter so will be reprinted in April. Will be brought to club for vote with changes as suggested at April 27th meeting.

We finally got the field day plaque for winning the most points of any 1A station in Montana. It was suggested that we have it displayed at Radioactive for a month and then at Radio Shack. Don Ross will make the arrangements. Ed Mahlum will see that a notice is placed in the Daily Interlake.

Barb Magone KB7YMS received our books. Don Ross KJ7IZ has the international call book. If you need to use it contact him at 756-7171. Ed Mahlum AA7TN setup the other books for sale. Here are the books the club bought for \$30.00 from a preselected ARRL kit:

Now You're Talking!, Instructor's Manual for Now You're Talking, Technician Class License Manual, Novice/Tech Class Instructor's Guide, General Class License Manual, General Class Instructor's Guide, Advanced Class License Manual, First Steps in Radio, Extra Class License Manual, You're Introduction to Morse Code (tapes), The FCC Rule Book.

A list was passed around for the final sign-up for the Annual Radio Club Dinner. The dinner will be April 8 at 6:30PM at the Eagle's in Kalispell. Cost per meal will be \$8. Dinner will be beef, potatoes, vegetable, choice of salads, and dessert. Our section manager Darrel Thomas will be attending.

Committee Reports:

Repeaters - W7VOS Rod Stickney will chair, WA7PHB Harry Lovering, W7HGM Nick Poncelet, N7SPI Tracy Robertson, KG7MO Darrell Christofferson (tower man) and KB7WIX Larry Magone.

Still considering putting an autopatch on the 146.82 repeater out of Whitefish. WA7PHB Harry Lovering brought up that it was actually intended to be used with an autopatch several years ago. With installation and monthly charge of about \$16 with the phone company we would need about \$240 to cover the first years operation. We have donations of about \$100 so far. This would be a simple autopatch, one code to bring it up, and one to bring it down. It would be a courtesy from the FVARC to all hams in the valley and any passing through the area. All could use it whether you contribute or not. It would only work with local calls, long distance would be blocked. All members interested and wanting to contribute are to contact one of the board of directors.

RACES - KE9XR Wayne Ristine, KA5LXG John Blair, W7VOS Rod Stickney and WA7PHB Harry Lovering.

RACES forms were passed out. Each ham was asked to indicate on the form bands capable of working, equipment, emergency power, and availability. Many were turned in.

RACES drill has been postponed until this fall. Kim Potter went into the hospital. His condition was not serious, but the drill as planned for March 2nd could not continue. We will keep you posted.

Field Day - KE9XR Wayne Ristine, KB7YMS/KB7QPS Barb and Gregg Magone, AA7TN Ed Mahlum, N7SPK Vern Wheeler, and KB6WBD Carlos.

Mark Skeels will be in charge of the novice/tech plus station. He would like all novices and tech plus' interested in operating this Field Day to contact him at 7520073. The novice station could also be used as a mapping station to find stations and frequencies for the main station to contact.

Education - KB7IPH Mark Skeels, and KC7HJ Russ Larson.

Presentation - N7EYU Roger Swarengen, AA7TN Ed Mahlum, KA6YSC/N6SLM Mark and Joann Miller, and WA9TAF Dennis Shaw.

New Business.

Darrell Christofferson KG7MO brought forms that allow members to sign up for MCI mail. There are two programs. One that costs \$10 per year and .50 cents per message, and one that is \$10 a month with pretty much unlimited messages. If interested talk to Darrell or Ed mahlum AA7TN both now have copies of the forms.

The Flathead Valley Repeater Group FVRG forwarded the following idea penned by Harry Johnson NV7K for our consideration. The FVRG would like to sponsor a new type of Field Day award. This one would not be based on points, multipliers, class, number of transmitters, etc. The award would be given to the Montana Section club which, by the example of its Field Day activities, causes the most previously no-amateurs to become interested in amateur radio or better yet, licensed. Field Day operations are often in remote areas where the public may not be aware of what is going on or may feel unwelcome for various reasons. This type of award might serve to encourage more public sites for Field Day so that our community service value can be emphasized. FVRG has established a traveling trophy. This trophy will go to the club which shows amateur radio to the most members of the public during Field Day 1995.

Our club thought it was an excellent and commendable idea and directed our secretary to send a letter to the FVRG so stating and asking for any more details on how the winner would be determined.

Maurice Austin N7NHS is building a stock car that he will be racing this year. Come out to the track in Kalispell on Saturday evenings this summer. He is willing to advertise Amateur Radio on half of the cars roof and is looking for ideas on how to best do that. If anyone has any ideas please let him know. He is often on the repeaters and his address is P O Box 8025

Bigfork, MT 59937. Maurice won't be making any two meter contacts while driving.

Presentation Wayne Ristine KE9XR on RTTY:

When we think of digital communications we can think of several types. CW, RTTY, packet, amtor, gtor. RTTY is the simplest. It uses the international baudot code. This code was the predecessor to the more modern ASCII code used in computers. Instead of 8 bits per character it has 5 bits. With 5 bits there are 32 possibilities for characters. This covers the 26 letters of the alphabet. One extra character is called letter shift and another figure shift. Everything send after one of these shifts is either a letter or a figure. This effectively doubles the number of characters that can be sent. Characters are coded as 0 or 1 so to send them we need to use a switch feb signal i.e. Frequency Modulated, digital with no carrier, telegraphy.

To send the letter A=11000 the machine will send out mark, mark, space, space, space. This is sent by using a frequency shift. The standard is 170Hz, with Mark being a 2125Hz tone and space a 2295Hz. If we wanted to operate on 14080 MHz. mark would go out on 14080-2.125 at 14077.875 and space out on 14077.705. On HF RTTY always uses lower sideband so the tone is subtracted. Watch your newer automatic transmitters that may automatically select your sideband for the band you are operating on. Some radios have a RTTY mode. Above 50MHz an 850Hz shift is standard. 300 baud is maximum on HF. The normal rate is 45 baud.

When not typing there is an idling sound. Helpful for tuning in signal. It is a mark, space, mark, space,... To make a contact you tune to a digital frequency. On 160M 1800-1840, 80M 3605-3645, 40M 7080-7100, 20M 14070-14100, 15M 21070-21100, 10M 28070-28150. Send RYRYRYRYRY which is standard and was good for synchronizing mechanical machines. R=01010 Y=10101, over and over is mark, space, mark, space, over and over and is good for others to tune into you on. Next send your CQ, send everthing three times because RTTY is not error correcting. When listening for a response, listen for KKK and then go to transmit mode. RTTY is only possible with good signals. It is easily lost in interference and an a signal strength less that 6 is not good. Noise on radio will pickup false characters. You will notice that because of the limited number of characters that everything is sent in uppercase. Wayne showed us contacts with a Cuban station and during a contest.

To make contacts you need an HF rig that can handle frequency shift keying, a TNC multimode controller like the AEA PK232, PK900, Kamtronics KAM Plus, or the MFJ 1278B. These cost about \$200 to \$400 new and are available for less at swap meets. You can use a terminal, or computer and software. On a computer you use an RS232 serial Com1 or Com2 port, plugging that into the TNC. Then the TNC connects to the radio most often through the mike jack. Using a spare MIC connector usually requires 3 wires, mic audio, GND, and PTT. Then you need a separate speaker wire for audio into the TNC which also sometimes can be taken off of the Mike jack.

After loading a communication program like Pro-Comm on the computer most TNC's set to RTTY will respond to a CTRL-C to go into command mode. An X will set the TNC to transmit mode, to receive a CTRL-C R is sent. Remember that RTTY is a 100% duty cycle on your radio so keep your transmissions short so as not to burn out the finals in your radio.

Reminder to **renew your ARRL membership** through the club. Each time we do this the club receives back \$2. See or call KB7YMS Barb Magone at 862-4066.

Raffle started at \$1 per ticket for the Swan 1200-X HF 400 watt amplifier. The amp is up and running at the club station according to Gary Ax KB7KXE. Tickets will be taken until the July meeting at which a winner will be drawn from the can.

Motion made to adjourn by Tracy Robertson N7SPI. Meeting adjourned for coffee and cookies. N6SLM JoAnne Miller got coffee water started and cookies came from Ardis Christofferson N7WKF. **Thanks JoAnne and Ardis!!!** 2100MST. Respectfully submitted Ed Mahlum.

Coming Events:

May 20 Saturday ----- Amateur Exams Kalispell
June 4 Sunday ----- Lake Koocanusa Bicycle Ride

June 24 Saturday ----- Field Day Ashley Mountain
July 14-16 Fri-Sun ----- Glacier Waterton Hamfest
August 5-6 Sat-Sun ---- Spokane Hamfest
August ?? ---- Big Arm Picnic
September ?? ---- Flathead Valley Bicycle Tour Huckleberry 100
September ?? ---- Next Highway Cleanup
February 96 ---- Race to the Sky

Club HF Station:

Club station up and running at KB7KXE Gary Ax's house. If you want to use it get a hold of Gary.

Jobs:

Club Trustee: WA7PHB Harry Lovering
Emergency Coordinator: KE9XR Wayne Ristine.
Coffee and Cookies: N6SLM JoAnne Miller.
Property Manager: KB7KXE Gary Ax.
Movies: N7EYU Roger Swearington
Librarian/Historian: KB7IPH Mark Skeels
QCWA Montana President: W7BKB George Hanson

Remember encourage all hams to join the ARRL, it is our best voice to help our existence. Some may love HF, others DX, some VHF and UHF, some packet, some satellite, some CW, some computers and repeaters; but if we don't work together to preserve our frequencies nobody else is going to do it for us.

Board of Director's Meeting

Board of Directors:

President - Don Ross KJ7IZ - 7567171, Vice President - Wayne Ristine KE9XR - 2574162, Secretary - Ed Mahlum AA7TN - 7556673, Treasurer - Barb Magone KB7YMS - 8624066, Trustee - Harry Lovering WA7PHB - 7528388, Gary Ax KB7KXE - 7559353, Tracy Robertson N7SPI - 7551795, Mark Skeels KB7IPH - 7520073, Rod Stickney W7VOS - 7554850.

April 8, 1995
5:00PM at Eagles

Present: Don Ross KJ7IZ, Tracy Robertson N7SPI, Wayne Ristine KE9XR, Gary Ax KB7KXE, Mark Skeels KB7IPH, and Ed Mahlum AA7TN.

1. Call for Bills and expenses needing to be Paid. Barb Magone will be paid for books ordered from ARRL. Ed Mahlum will be paid for newsletter expenses. Eagles will be paid for dinner.
2. Treasurers Report. Approved \$595.69 in general fund, and 576.55 in repeater fund.
3. Copies of the revised by-laws and constitution are being published in this newsletter with the most recent changes. In this way each club member will be getting a copy and they will be put to a vote at the May meeting.
4. Club dues. During Field Day we will send out a letter to every known amateur in the Valley. It will be our intent to have a half year membership drive. For \$12.00 we will accept new members with full privledges from July 1 through December 31 of 1995. Of the \$2 per month fees \$1.25 will go to general fund and \$.75 will go to repeater fund. Ed Mahlum has the list from the callbook of all amateurs in valley. Wayne Ristine will do the letter. Tracy Robertson will handle printing and perforating. We will all stuff envelopes. Dues will increase to \$24 a year in 1996.
5. Committee reports:
 - a. Repeater (resources repair and future direction). Rod Stickney, Harry Lovering, Vern Wheeler, Nick Poncelet. Plan is to go ahead with putting a phone patch that would be open to anyone for local calls on the 146.82 repeater. Wayne and Don will get together to begin testing as soon as the

weather warms up.

b. Education (training of Hams). Mark Skeels, JoAnn Miller, Mark Miller, Russ Larson. Mark has been in contact with the Veteran's Home in Columbia Falls. Mark is planning to teach a class there. Mark needs some help and will be in touch with other committee members. Mark needs a list of all those interested in a class.

c. Field Day. Wayne Ristine, Barb & Greg Magone, Gary Ax, Tracy Robertson. We are going to try to work 2A. The main SSB station will be KE9XR's rig, with club tower, located in travel trailer. The main CW station will be KJ7IZ's with antenna undecided in Don's camper. Novice station would be club's TS520S. Mark Skeels is coordinating Novices and Tech Plus operators for this station. Don Ross will get him a list. They are going to challenge the main club station in points. Bob Holding, Wayne Ristine, Ed Mahlum, and Don Ross plan on running the CW station. Need CW operators and to begin coordinating teams. Mark Skeels is planning to seek parts for a trailer to mount the club tower on. This will make it easier and safer to put up. Wayne Ristine is going to check with Kim Potter for a portable dipole antenna, and with the National Guard for a GP Medium tent. All three stations could be run out of the tent, also a place to cook, just in case we don't have perfect sunshine. Maybe the guard would set it up for us as part of an emergency exercise. It was agreed to provide hamburgers and hot dogs for a buck a plate on Saturday afternoon and eggs and bacon for a buck on Sunday morning. Barb Magone and JoAnne Miller will head this up with hopefully help from Joy Mahlum, Sandy Skeels, and Priscilla Ross. Carlos will be setting up satellite station.

d. Emergency Communications. Wayne Ristine, Rod Stickney, Harry Lovering, Jon Rashleigh, Mike Tuszynski. No report.

e. Presentation (Program for Club Meetings). Roger Swearngen, JoAnn Miller. Wayne will give presentation on power supplies at April meeting.

6. Tracy Robertson brought the trophy that will be awarded by the FVRG for the amateur club in the state that interests the most public in amateur radio. A beautiful cup.

7. List of Activities for the Year. Get to Ed Mahlum. He needs dates and events. So far: Glacier/Waterton Hamfest, Big Arm Picnic, Huckleberry 100 bicycle tour, Dog Sled Races, Field Day, Highway Cleanup (3 times), Club Dinner, Cabin Fever get together. Will go back through club newsletters and figure out.

8. Ed got in the Interlake about our 1994 Field Day Award Plaque that is now at Radioactive and will soon be at Radio Shack.

9. Future Presentations. May will be a Field Day preparedness at Gary Ax's. Looking into getting Mark Cosner to give one on the ins and outs of installing gear mobile. Dick Lindeman on Vehicle wiring.

10. Gary Ax is working on a list of the club equipment.

Club Dinner

Club dinner was held April 8th at the Eagles with 34 in attendance. A toast was made for the silent keys of 1994: Dick Stocking WB7WVD, Jack Dodd K7OIR, Harrold Ward K7JZO, Don DeJong W7LMW, Ray Gelinas KA7OAO, Ron-Verdi Rognlie W7FDI, and Carl Stoddard W7EQB.

N7KOR, Darrell Thomas our section manager (N7KOR@aol.com) gave us a talk on the status of the ARRL in Montana. There are 14 ARRL affiliated clubs and 6 that are not. We need to keep bringing in new members and a one on one elmering program was suggested. Darrell encourages anyone with any questions or problems to get a hold of him.

Next was the film "Northern Lights" which gave us a run down on what scientists know so far about the Aurora and its effects on propagation.

QCWA Dinner

George Hanson W7BKB wishes all those who want to attend the Quarter Century Wireless Luncheon on May 6th at 12:30 at the Nite Owl in Columbia Falls to get a hold of Harrold Schneider W7BKM at 862-4962. This is for anyone interested members and non-members of the QWCA alike. Cost will be about \$8.

Flathead Flyer BBS

KJ7IZ Don Ross' bbs now has the current call book available. Just dial in and look up a callsign for information. The number is 756-1369. Don mostly runs the BBS for free but he has expenses. The suggested donation is \$10 a year.

Form 610:

Ed Mahlum (AA7TN) has new form 610 with expiration date of 8/31/96 via the W5YI VEC testing team here in the Valley headed up by Darryl Christopherson KG7MO. They will not process the old forms any longer.

Montana Callbooks:

The new 1995 Montana Callbooks are available from the Flathead Valley Repeater Group, PO Box 808, Bigfork, MT 59911. \$ 8.00 provides inserts for an existing book if you already have the cover and binders or \$10.00 includes shipping and handling.

Ham Exams:

According to Darrel, KG7MO, the next exams will be held May 20th, 1995 at 1PM at the Daily Interlake Building in Kalispell. Bring a copy of your license for upgrading, a current photo id, \$5.90, and some pencils. If you have any questions about time and place call Darrel 756-8633, Ed AA7TN at 755-6673, Wayne KE9XR at 257-4162 or Harry NV7K 755-9658.

The last exams on March 18th found Rod Stickney W7VOS upgrading to Advanced, Mike Stickney passing his no-code tech, Margo Caldwell N7XPD passing her general written, Dennis Caldwell KB7MZZ his advanced written. Paul Athorn received his no-code tech, Martin Clabot passed his novice written, and Jim Wagner KC7CUD upgraded to Tech Plus and also passed his advanced written. Congratulations.

Highway Cleanup

On April 8th John Blair KA5LXG, Gary Barach N7WEN, Jim Payne N7CTS, Darrell Christofferson KG7MO, and Howard Gammet KG7QU braved the rain and did the cleanup. A hearty thanks and tip of the hat.

For Sale or Trade:

Feel free to bring stuff to the Club Meetings that you would like to sell or trade.

Ed Mahlum AA7TN 755-6673 has a new Kenwood PB-8 battery for \$35, a PB-6 for \$20 with BC-6 charger. MFJ Tuner \$30.

Bill Brady AA7HM 257-2297 has a Cushcraft AOP-1 OSCAR Satellite antenna system. It contains the 416TB uplink, the A144-20T downlink, the A14T-MB mounting boom, and all necessary hardware. He is looking for about \$100.00.

CONSTITUTION OF THE FLATHEAD VALLEY AMATEUR RADIO CLUB

(April 22, 1995)

Preamble:

We, the undersigned, being desirous of securing for ourselves the pleasures and benefits of association with persons commonly interested in Amateur

Radio, by furthering better cooperation among such persons, by developing individual proficiency and by hereby constitute ourselves the Flathead Valley Amateur Radio Club, to do and engage in any and all lawful activities that may be incidental or reasonably necessary to any of the foregoing purposes, and do enact the following Constitution and By-Laws as our governing law.

Article 1.

Section 1 - All persons interested in amateur radio shall be eligible for membership. (Membership shall be upon such terms as the clubs By-Laws provide.)

Article 2.

Section 1 - The officers of this club shall be: President, Vice-President, Secretary and Treasurer. The officers of the club must be members in good standing. (Club member of at least 1 year and agree to attend 9 of 12 meetings.)

Section 2 - A nominating committee shall be appointed at the regular October meeting. The committee shall submit its nominations for officers at the November meeting. Nominations will also be accepted from the floor at this meeting. Voting will be by secret ballot, either in person or by absentee, with votes to be tabulated at the annual December meeting. Installation of new officers shall take place at the regular January meeting. All those voting on any club business must be current members of the club.

Section 3 - The Board of Directors shall consist of the officers as provided in Section 1, plus the immediate past President, and three members of the club in good standing. The three elected Directors shall serve three year terms, with one new Director to be elected each year.

Section 4 - Vacancies occurring between elections must be filled by special secret ballot. The election to be held at the first regular meeting following the meeting at which announcement of the vacancies is made.

Section 5 - Officers may be removed by a three-fourths vote of the members in attendance at the first regular meeting following the meeting at which removal proceedings are instituted.

Article 3.

Section 1 - The President shall preside at all meetings of the club and conduct the same according to rules adopted; he shall enforce due observance of this Constitution and the By-Laws; decide all questions of order; sign all official documents that are adopted by the club and none other; and perform all customary duties pertaining to the office of President. All appointees will serve at the pleasure of the Board of Directors, and replacements will be made as required.

Section 2 - The Vice-President shall assume all duties of the President in the absence of the latter.

Section 3 - The Secretary shall Keep a record of the proceedings of all meetings, keep a roll of members, submit all applications for membership, carry on all correspondence, read communications at each meeting and mail written notice to every member of each special meeting of the club. The secretary shall notify any member whose dues have become delinquent, as provided in the By-Laws. It shall be the duty of the secretary to keep the Constitution and By-Laws of the Flathead Valley Amateur Radio Club and to have the same at every regular and special meeting. The Secretary shall cause all amendments, changes and additions to be noted thereon, and shall permit the same to be consulted by members upon request.

Section 4 - The Treasurer shall receive and receipt for all monies paid to the club and shall keep and accurate account of all monies expended. The Treasurer shall pay no bills without proper authorization. At each meeting, an itemized statement of receipts and disbursements shall be submitted by said Treasurer.

Section 5 - The duties of the Board of Directors shall be to review all matters of business and policy, and to submit recommendations to the membership. Special meetings of the Board of Directors may be called by the President.

Section 6 - At the expiration of their terms, all officers of the club shall turn over to their successors everything in their possession belonging to the club.

Section 7 - The Board of Directors shall appoint a club station license trustee, who shall serve as an ex-officio member of the Board, without a vote. The appointment shall be for the term of the license, And the station trustee shall be the official designated for all official communications involving said station.

Section 8 - The Board of Directors shall appoint a club property manager, who shall maintain records pertaining to all properties. Upon dissolution of the club, the Board of Directors shall, after paying or making provisions for the payment of all liabilities of the club, dispose of the assets of the club to such organizations organized and operated exclusively for charitable, educational, literary or scientific purposes, as shall at the time, qualify as exempt organizations under Section 501 (c) (3) of the Internal Revenue Code.

Section 9 - The Board of Directors shall appoint a club Historian, who shall maintain and develop a historical record of amateur radio activity in the Flathead Valley.

Section 10 - The president may also appoint standing committees as may be required.

Article 4.

Section 1 - The By-Laws shall provide for regular, annual, and special meetings. At all meetings, a majority vote of those members present shall be sufficient for the transaction of business, except as is otherwise provided.

Article 6.

Section 1 - Proposals for Constitutional amendments shall be submitted in writing at a regular meeting. Such proposals shall be considered at a special meeting, called for that purpose as described in the By-Laws. A favorable vote of two-thirds of the members present at the special meeting shall be required for approval.

Article 7.

Section 1 - A Relaxed Robert's Rules of Order shall govern all proceedings of the club.

Article 8.

Section 1 - The club shall operate on a calendar year basis.

Article 9.

Section 1 - This Constitution as amended, was adopted by the Flathead Valley Amateur Radio Club on April 22, 1995.

By-Laws

Section 1 - Regular monthly meetings of the club shall be held at a date, time, and place to be specified by the President. Special meetings of the club shall be called by the President, or upon written request of five members. Notice to club members shall be either made by mail to all club members, informing them of special meetings, and specifying the business to be transacted. Such notices shall be made at least one week prior to the time of the special meeting. Only such business as is designated in said notice shall be transacted at the special meeting.

Section 2 - The annual business meeting of the club shall be held following the election of new officers, at which meeting all out-going and in-coming officers and directors shall be in attendance. At the meetings, all past business shall be reviewed and the state of the club evaluated. Future club planning may be considered.

Section 3 - Membership shall be by application and payment of dues.

Section 4 - The Flathead Valley Amateur Radio Club, by a majority vote of the membership present at any regular meeting, may levy upon the general membership such dues as shall be deemed necessary for the business of the club, within its objectives, as set forth in the Preamble to the Constitution. The regular dues are payable in advance at the first regular meeting of the year. New members accepted into the club during the calendar year shall pay dues on a pro-rated basis (x/12). Minors, up to but not including eighteen years of age, shall pay dues equal to fifty percent of the regular dues. If dues are not paid for a period of three months, such dues shall be deemed delinquent and the member shall be notified in writing. When a delinquency occurs, the member shall have a period not to exceed thirty days from the date of such notice to bring his dues up to date. Should the member fail to do this, membership in the club shall be automatically terminated. New Amateurs residing in the Flathead Valley will receive 1 year free membership in the club.

Section 5 - The club, through designated members and committees, shall provide technical advice and assistance to members concerning equipment design and operation, in order to assist in the maintenance of clean signals, uniform practices, and the elimination of spurious emissions.

Section 6 - The club may designate the Secretary as Treasurer, in which case, the description of both positions shall apply to the single office.

Section 7 - The club may designate an Activities Manager who shall organize club member radio station activities, contests, and other functions for the enjoyment of the members and the maintenance of general interest. The Activities Manager shall keep informed, by questionnaires, or other means, as to the equipment, normal operating frequencies, dates, hours and types of operation, by such members who may possess station equipment, in order to facilitate the emergency organization of manpower and equipment during simulated or actual emergencies, and to help in planning general interest activities. The Activities Manager shall encourage new stations in the reporting of activities to the club; all of these things to make the position of the club and Amateur Radio in the community, as outstanding as possible. The Activities Manager may appoint committees or assistants to aid in specific branches of activity.

Section 8 - Proposals for amendments to the By-Laws shall be submitted in writing at a regular meeting. Such proposals shall be considered at the next regular meeting, and a favorable vote of two-thirds of the members present at that meeting shall be required for approval.

Section 9 - These By-Laws as amended, were adopted by the Flathead Valley Amateur Radio Club on April 22, 1995.