

How do I get a Newsletter?

Did you pay your dues to FVARC, P O Box 7541, Kalispell, MT 59901?

All new licenses and new members in the area will receive the newsletter free for at least two months. All first time licensed amateurs receive the newsletter free for one year. If you're not getting the newsletter and you should be contact Ed Mahlum at 300 Leisure Drive, Kalispell 755-6673.

Field Day:

Don Ross KC7AJT and son Emmanuel, Wayne Ristine KE9XR, Harry Lovering WA7PHB, Gary AX KB7KXE, Ed Mahlum AA7TN, son Daniel, Mark Skeels KB7IPH, Greg and Larry Magone all met at Gary Ax's house on June 4th and tested equipment and further discussed field day plans. We assembled the antenna and decided the best way to approach what we needed to get done for field day.

Don Ross brought pictures he took of the field day site from his airplane. He showed us where we could camp and where we could set up the tower for the antenna.

Wayne Ristine brought his TS440S with built in antenna tuner. After we assembled the club's beam, we worked over its matching balun, and hooked up Wayne's rig. We tuned the antenna and marked all of its parts. We disassembled the antenna and put it in its box and we got it and the tower loaded on a trailer donated for field day use by Harry Lovering's brother.

We talked to Darryl Christopherson KG7MO who will be coming and bringing a CW station. Darryl will bring a TS520S and a vertical antenna.

The following is a table of who is bringing what:

If you are coming to camp out bring an Axe, bucket, and shovel. Bring Tools. Hammers, socket wrenches, screw drivers, soldering guns, wire, extension cords, step ladder, pliers, wire strippers, wire cutters, needle nose pliers.

Location is Ashley Mountain - Where the Lookout used to be. Don Ross will have directions at the club meeting or check with the Forest Service.

- a. Harry Lovering will tow the trailer with the tower, balun and the main beam antenna to the site.
- b. Wayne Ristine will provide the TS 440S for the main station?
- c. Jeff Christiana and Jim Swope has rotator, control, and cables.
- d. Wayne Ristine and Mark Skeels can bring the 12 volt power supply.
- e. Harry Lovering has 2100 watt generator, Don Ross a 3200 watt and a 2200 watt.
- f. Gary Ax has extension cords, plug ins, and fuel, for generators. The club will reimburse him for fuel costs.
- g. Ed Mahlum will contact Nick Poncelet on a gas generator.
- h. Darryl Christopherson will be setting up a CW station with a TS520S, a vertical antenna, powered from his camper.
- i. Don Ross, or Mark Skeels could bring ICOM HF rigs as backups or a second station.
- j. Carlos will be bringing a satellite station. Don Ross is helping him check out the site.
- k. Jeff Christiana will bring 2 meter rig, QRP and packet.
- l. Ed Mahlum got the field day kit and has made preparations for operation with dupe sheets, etc.
- m. Ed will get the pop.

- n. Don Ross will provide a map to Ashley Mountain.
- o. Don Ross will bring ground rods.
- p. Harry has signs.
- q. Greg Magone will contact the newspapers.
- r. Don Ross will get Porta-potti.
- s. * Antennas for Jeff Christiana station, who?
- t. * Public information who?
- u. Use the nets to keep a list and get answers.
- v. * bring rope.

Board of Directors and Field Day:

Club decides to buy a rotator for this field day, the future, and future field days. Mark Skeels KB7IPH polled the board of directors and club officers. We were having a hard time coming up with a rotator for the clubs beam for field day. We decided to purchase a rotator for the club on June 9th.

Field Day Prize:

Mark Skeels KB7IPH came up with the door prize idea for field day. We will all get to field day on Saturday morning. All our welcome, but you do need to be a member of the club to be eligible for the door prize. So you can still join even on Saturday morning. We'll put all of our operator's names in a hat. Then we'll draw a name and that person will pick there first hour of operating time. We'll then draw the second name and they can pick their favorite hour, and so on. Then we'll go back to the first person and so on to get the 24 hours down. After field day we will take the logs and who has ever worked the most contacts in any one hour will win the door prize. Mark has selected about eight prizes, like an antenna tuner, an iambic keyer, a power/swr meter, ranging in price from \$70 to \$95. The board thought this was a great idea and good work Mark. It will make field day just all that more fun. I can hardly wait. Look out Ted Mikita. Hi Hi.

Minutes of Board of Director's Meeting

May 21, 1994
9:00AM at Jason's East

Present: Mark Skeels KB7IPH, Don Ross KC7AJT, Harry Lovering WA7PHB, Jeff Christiana AA7UW, and Ed Mahlum AA7TN.

1. It was agreed to reimburse Ed Mahlum for newsletter expenses.
2. Approval was made for Mark Skeels to purchase a new president's organizer box.
3. Mark KB7IPH talked to the county about our meeting schedule. It was found that we will be able to have the 2nd Thursday of the month at 7:30PM for our November and December club meetings. The board of directors approved and he will confirm with the county.
4. Mark Skeels will look at the language of the by-laws to see that we are on track. Maybe later this year, or next we will form a by-laws committee to see what can be changed and maybe free ourselves up a bit from any bureaucracy and have more fun.
5. Don Ross was unanimously approved as secretary replacing Jeff Christiana. **Thanks for all the hard work Jeff over the last year and a half.**
6. Club history, where are the records? Club inventory, who has the files? Bring any history you might have to Field Day. It will be a riot going through that stuff and it will help us get it altogether too.
7. It was decided to have a Saturday of preparation for Field Day on June 4th. We will meet at Gary Ax's home out West Valley way. Keep posted to the nets or club meeting for directions. This is to test equipment and make sure we don't have any surprises that would take more than a few minutes to solder.
8. Field Day.
9. Agenda developed for Club Meeting. Presentation and Field Day Discussion.

May Presentation:

At our May Club meeting Ted Mikita (N7JKF) did a presentation on "Contesting - SSB and CW" with particular emphasis on Field Day. This was an excellent presentation. It was very interesting. Ted and his son, Ted Jr. get together each year and work field day together. We got to hear first hand how the #3 overall in the United States, that is Ted and son, accomplished that feat. We got to hear strategy for their becoming #1. We found out about locations, and our strengths and weakness in Montana. We talked antennas. Ted covered operating procedures and special tips for the top US CW/SSB contests (Field Day, CQ WW-DX, Novice Roundup, etc.) and how to get involved and be successful. Special emphasis was placed on visual aids, do's and don'ts, operating short cuts, and even how to hold your pencil. The results of everyone in Montana who participated in FD93 (clubs and individuals) were reviewed and discussed.

Minutes Flathead Valley Amateur Radio Club May 26, 1994.

The monthly meeting of the Flathead Valley Amateur Club was held on Thursday May 26, 1994 at the Flathead County Justice Center Basement. The Meeting was called to order at 7:35 by President Mark Skeels KB7IPH. Discussion of Field Day meeting to be held on Sat. 4, 1994 at Gary Ax KB7KXE. Needed the following items: Trailer for Tower, Radios, Antennas. Gregg KB7QPS will be public information person. Field Day Coordinator needed.

Tracy N7SPI asked for volunteers for a Fun Run in Bigfork on Saturday June 4. About 10 Hams needed for traffic control. This is to raise funds for computers at Big Fork School. It is non-profit so will be OK for us to provide communications.

Meet at Gary Ax's at 1:00 pm June 4. Bring Pictures and history of club files to go over and sort out. Ted Mikita gave a presentation on Contesting and Field Day. They were 3rd in the nation last year. 1B.. Meeting adjourned at 10:25. Respectively Submitted Donald D. Ross Sec. KC7AJT

Big September Presentation:

John Vugteveen W7KNT has scheduled September 22, 1994 to be with us. John is an avid **DXpeditioner** and will be presenting a program on the South Sandwich Island DXpedition. He has shown this program at 17 conventions, including Dayton, NorthWest DX Convention, WIMU. He has had many compliments from the XYL's also, so do bring your XYL. This is not boring. Everybody be there. The entire program will be about 1 hour and includes color slides with full stereo background music. it will cover two major DXpeditions that John participated in, including travel to Europe, Ascension Island, Falkland Islands, The Antarctic, South Sandwich Islands, South Georgia, Hawaii, Kingman Reef and Palmyra Atol in the Pacific.

John would like us to consider a dinner meeting and we will discuss this in May.

In August we will work together with George Hanson W7BKB to mobilize a promotion committee and get it out to the local community.

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 1994 Montana Callbooks are available at the meetings for \$5.00 each. If you missed your chance to get one contact FVRG PO Box 808, Bigfork, MT 59911. \$8.00 includes shipping and handling.

Bigfork Hard Drive Run, June 4, 1994.

In Bigfork MONTANA was headed up by Tracy N7SPI. Those hams participating, John KA5LXG, Mary KC7QGJ, Harry WA7PHB, Bob W7IPB, Ed AA7TN, John KB7ZGJ, met at the Masonic Lodge for breakfast. The races consisted of a 3K, 5K, 10K, and half marathon

13K race. We had a good turn out and there was help from the Flathead Sheriff's Possee, and the Bigfork Quick Response Unit. We learned a lot about helping with this type of race. The runners got strung out quite a ways. Some people walked almost ten miles.

We went back and forth in our cars providing communications for people that were exhausted, injured or needed help. We also helped control traffic by alerting other motorists to be cautious. Tracy N7SPI was stationed in a sherrif's car and this provided us with a link to emergency services.

The runners started at about 9AM. The first finisher of the half marathon was done in about an hour and 15 minutes. Don Ross KC7AJT flew over the event and gave us air support for about 20 minutes near the beginning of the race. He reported to us who the stragglers were, and how the different groups were bunched up. The hams who came early enough were treated to a free breakfast and we were done with the race by 11:30 AM. This was a great opportunity for us to show the community how amateur radio can help out. Paul Jacobs with the highway patrol was enthusiastic about our participation and we will be included in the plans for next year.

10 Meter Net:

Don Ross (KC7AJT) told us that the 10 meter net was starting to take off on Thursday nights at 9:30 PM at 28.470. In fact they have added Monday night to their schedule, after the loacal 146.76 net. Lets get on it support it, and see what happens to 10 meters around here at night.

Ham Ventions:

Glacier Waterton Hamfest - Three Forks Campground located 16 miles west of East Glacier, Montana. Early campsite registration can be sent to Three Forks Campground, Inc., PO Box 124, East Glacier, MT 59434 phone (406) 226-4479. Camping is \$8.00 per day for two people and \$1.00 for each extra person per day. You are welcome to bring your own portable generator.

Look for Saturday night supper, ARRL and RAC speakers, QLF contest, high speed CW contest, QCWA meeting, junk auction, swap tables, dealer displays, transmitter hunts, Sunday Breakfast, DXCC seminar, VEC upgrade exams, bingo, and children's diversions.

Holiday Inn Westbank, Idaho Falls, Idaho - WIMU '94 - Wyoming Idaho Montana Utah Regional Hamfest and ARRL Idaho Section Convention - August 5-7, 1994. For more information contact Robin Stewart (N7NHF) at (208) 529-5157. For motel reservations call 1-800-432-1005 and ask for WIMU room rates. Talk in Frequecnny; 146.64(-).

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 it we don't work together to preserve our frequencies nobody else is going to do it for us.

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

Russ Larson KC7HJ 857-3304 has the following goodies for sale:

400 channel Radio Shack Pro 2006 (their best scanner) like new for \$ 289.00.

Tempo S1 5watt 2M handheld just \$ 80.00.

Local Bulletin Boards for HAM Radio

Amateur Radio BBS 756-0393	Jeff Christiana SysOP AA7UW
Flathead Flyer 756-1369	Don Ross SysOp KC7AJT
MO's BBS 756-8294	Gregg Maroney SysOp

Canadian Ham Radio Rules:

Or What Can I do with my US amateur license while I am in Canada?

I recently moved to Canada from Kansas, but am unsure of the reciprocity issue. I have a General Class U.S. license. Do I have the same privileges (band and emission limits, etc) in Canada as I would in the states?

Simple answer...when in Canada, do as the Canadians do. The USA/Canada arrangement is one of automatic reciprocal licensing. That is, when you go into Canada you simply operate according to all Canadian regulations using your call/VE for the province you are in. As to frequencies and limitations, you act as if you are a licensed Canadian amateur. Thus, while in Canada you can operate voice in many of the CW segments where voice is prohibited by US regs.

Whenever you visit another country and you are granted reciprocal licensing privileges (either automatically as per USA/Canada agreement or by direct application and the granting of an actual call for the country you are in), you operate under the rules of operation for the country you are in.

A reciprocity treaty, TIAS 2508, provides for US-Canada reciprocal operation of amateur radio stations. No application, registration, or fee is required. You are automatically eligible to operate in Canada if all three of these conditions apply:

1. You have a valid FCC-issued license;
2. You are a US Citizen;
3. You are a resident of the US (if you're not a US resident, please direct your questions to a Canadian official. As I understand it, if you become a Canadian resident, your US license is good for a while, but they expect you to get a Canadian one eventually).

Q2: What privileges do Canadian operators have?

A: Legally, Canada has no separate phone band or other mode restrictions. Instead, they adhere, on a voluntary basis, to a bandplan, similar to the way we use 160 meters. (The IARU Region 2 bandplan can be found in Chapter 2 of the ARRL Operating Manual.) Canadian amateur bands are the same as those in the US up through 1.2GHz, except they have all of 220-225 MHz, and they only have 430-450MHz. There are, however, bandwidth limits (-26 db):

160, 80, 40, 20, 17, 15, 12 meters: 6 kHz maximum bandwidth
30 meters: 1 kHz
10 meters: 20 kHz
6, 2 meters: 30 kHz
220: 100 kHz
440, 902: 12 MHz
1.2 GHz and up: none specified

Q3: What privileges am I allowed while operating in Canada?

A: All foreign amateurs, including those from the US, are assigned reciprocal privileges according to the Morse Code speed needed to qualify for their license:

12+ wpm: All "Advanced + 12" privileges
(i.e., *all* Canadian privileges)
[US General, Advanced, Extra Class]

5-11 wpm: All privileges above 30 MHz,
PLUS CW and CW only on all bands below 30 MHz;
limited to Basic privileges [*]

[*] *Canadian* Basic + 5 wpm licensees are allowed full access above 30 MHz, plus (full) access to 80 and 160, only. However, the above *is* what the rules say about *foreign* amateurs operating in Canada.

[US Novice Class, Technician + 5 WPM code]

0-4 wpm: All privileges above 30 MHz, with Advanced privileges
[US Technician without code]

Q4: What's the difference between Basic and Advanced?

A: Without Advanced Qualification (or equivalent), you may not:

1. possess or install a transmitter or amplifier that isn't commercially designed and manufactured;
2. possess or install any radio apparatus manufactured specifically for use as a repeater where input and output are on the same band;
3. install a repeater where input and output are on the same band;
4. set up a club station

Basic operators are also limited to lower power.

Q5: What are the power limits?

A: An Advanced operator or equivalent can use up to 1000 W dc input, if power is measured as input to the final stage, *or* an output of 2250 W PEP SSB/750 W carrier power for other modes, if output power is measured. A Basic operator or equivalent is limited to 250 W input, *or* 560 W PEP SSB/ 190 W carrier power other modes, output.

It is illegal in Canada to possess or install a transmitter or amplifier capable of exceeding your legal maximum power by 3 db.

Q6: So a General class licensee can transmit phone on 3760 or even 14140 kHz? And a Novice can use a 2 meter repeater?

A: Absolutely.

Q7: But I heard that the FCC won't allow you to exceed your US operating privileges, even in another country.

A: I personally called the FCC and was able to confirm that this is NOT the case. The FCC does not enforce Part 97 in foreign countries. Despite what you may have read, it is perfectly legal to use whatever privileges Canada allows you (see above) while you are operating a station in Canada.

Q8: How do I identify in Canada?

A: If you're operating under your US license, then you use your call "mobile" (if you are) or "portable" (if you're not), *followed by* the appropriate indicator:

Nfld: VO1
Lab: VO2
PEI: VY2
NS: VE1
NB: VE9 (since Dec 1993; prior to this it was part of VE1)
Que: VE2
Ont: VE3 or VA3
Mtba: VE4
Sask: VE5
Alta: VE6
BC: VE7
NWT: VE8
Yukon:VY1

On CW, RTTY, and such you just use a slash, for example, I would use "KG2S/VE2" in Quebec. The treaty requires you give your location by City and Province/Territory at least once per contact, but the Canadian rules make no mention of this.

While the treaty requires English ID, the Canadian rules allow you to use French, too. A chacun son gout. (However, you are not limited to English or French during your contacts; you can use any language.)

Of course, if you operate a Canadian station or get a Canadian license yourself, you use that callsign.

Q9: What if I'm not from the US?

A: You will have to contact Communications Canada (numbers below) and apply for permission to operate. If your country has a reciprocal agreement with Canada, your privileges (once licensed) will be those outlined in Question 3.

If you, as a US licensee, want a Canadian license, you may be able to get it merely by passing a 26-question rules exam and giving a Canadian address. I know of at least one Advanced-class licensee who has done this with a Delegated Examiner. A Canadian station license carries an annual fee (currently about CDN\$23), and license terms end 31 March of each year.

Q10: I'd like to get a copy of the Canadian rules. What do I do? Where do I address questions if I'm in a "gray area"?

A: I highly recommend getting a copy of the rules. They publish a number of circulars called RICs ("ricks") that you can order. They sent me these without charge. You can get them in French, too, of course ("CIR-25", etc.).

RIC-25: Rules and Regulations affecting the Amateur Service. 24 pp.

RIC-3: Banned Countries/Reciprocal List/Third Party Traffic List

RIC-66: Addresses and Telephone Numbers of Regional and District Offices

If you want information on exams in Canada, ask for:

RIC-24: Information on the Amateur Operator's Certificate Examinations

RIC-1: Information on the Delegated Examiner system

There are a lot of District offices, so I'm only going to list one in each Province. You can ask them to mail the rules to you, or you could get the address for the office closest to where you'll be visiting and go pick up what you want there.

St John's, NF: 709-772-4889
Halifax: 902-426-3810/3811
Charlottetown: 902-566-7000
St. John, NB: 506-636-4339
Montreal: 514-283-7657
Toronto: 416-973-8215
Winnipeg: 204-983-5590
Regina: 306-780-5007
Calgary: 403-292-4207
Vancouver: 604-666-5468
Whitehorse: 403-667-5102
Yellowknife: 403-920-6603

Also:

Radio Amateurs of Canada, Inc.
Administrative Office
PO Box 356
Kingston, Ontario
K7L 4W2
613-545-9100

Radio Amateur du Quebec (RAQI)
4545 Pierre-du-Coubertin Avenue
PO Box 1000, Station "M"
Montreal, Quebec
H1V 3R2

514-252-3012/252-3000 ext. 3422