

Newscaster

The Official Publication of the
Winnipeg Amateur Radio Club
The Winnipeg Senior Citizens Radio Club

May 1996

Field Day Primer

All you need to know to
operate Field Day

Date: **May 13, 1996**

Other Important Dates:

Articles: May 29- Deadline for June meeting

WARC: Jun 10- Meeting
June 16 - Marathon
June 23,23 - Field Day
Sep 9 - Meeting

WSC: May 9 - Breakfast@ Garden City Inn
May 15 - Board Meeting

ARES: May 21 Meeting

Other: May 4 - Amateur Club in Duluth HamFest
May 30 - Blood Donor Clinic
June 28-30th - Black Hills HamFest
July 12,13,14 - 33rd. International HamFest
Aug 3-5 - Camp 807 - Dryden
Sep. 7,8 - 2nd. MARM Hamfest

WARC: Executive for 1996			
Past President	Barrett Filbert	VE4ABA	338-2441
President	Richard Kazuk	VE4KAZ	895-4778
Treasurer	Rick Lord	VE4OV	896-0631
Vice-President	Jeff Dovyak	VE4MBQ	694-8146
Secretary	Roxanne Byron	VE4ZF	257-8525
Membership	Keri Kazuk	VE4KER	895-4778
Flea Market	Jim Ross	VE4AJR	256-6366
Program	Rob Kaufmann	VE4GV	488-0077

Words from the President of WARC: by Richard, VE4KAZ

Well the month of April is finally over, and hopefully the snow is gone for good!. The flooding is subsiding and before long everything will be back to normal, (or else Manitoba will have a few new lakes).

The Spring Flea Market was a big success with over 418 people coming through the door. I hope everyone likes the new format with the kitchen being open on the other side and having a lounge area for people to have a place to sit and chat with their fellow hams over a cup of coffee. Thank you to all of the volunteers who helped make the Flea Market the big success it was. Without you, the volunteers, events like the Flea Market wouldn't be possible. Thank you! The Club also put on a mall display a few weeks ago at St. Vital Shopping Centre. Thanks to everyone who came out and set up the antennas, staffed the display and helped take everything down. I hope you had as much fun as I did.

Since we are on the subject of volunteers, Field Day is coming up soon (June 22) and yes, we will need volunteers to set up and take down the equipment. Field Day is a lot of fun, so plan to come out to Field Day, do a little DXing and have lots of fun. It's another good opportunity to get together with your fellow hams.

The Club's May meeting is all about Field Day. Come out to Sturgeon Creek School and see what it's all about.

The Executive of WARC is now accepting nominations for the 1996-1997 year. If you are interested in serving on the Executive, and you feel you have something to contribute to the good and welfare of WARC, let us know. Please speak to any one of the Executive as soon as possible, as elections will be held at the June WARC meeting.

Winnipeg Senior Citizens Radio Club

VE4 CallSign Area HomePage on the internet has a new shortened address:
<http://www.freenet.mb.ca/amradio>
(amradio is for amateur radio not for broadcasting)
The old address will still work.

released by Alf, VE4ALF (President -96)

We start with the good news that members have been waiting to hear! The tower has been straightened and re-guyed, AND THE ROTATOR IS NOW IN PLACE AND WORKING. Also, the linear amp has been repaired. Now the station is fully ready if needed for any emergency, for net control use, phone patches, and for traffic handling with CFARS. Thanks to the crew that did the antenna work: Roy-4ROY, Bill-4WU, Colin-4JCM, Scott-4SJM, Alf-4ALF, and Eb-4ZI (the boss-man).

At the Board meeting held on Wednesday, April 17, the turn-out was excellent - 17 of the 19 board members were present!

One announcement made was regards a change for the NEXT club BREAKFAST. Please note that it will be held on Thursday, MAY 9th, at the GARDEN CITY INN, 2100 McPhillips (West Kildonan). This Inn is under the same management as the Norlander Inn, and breakfast arrangements are identical, and the cost is the same (most reasonable). The room can hold upwards to 50 people, so with this change of venue, we are hoping for a BIG turn-out. Everyone is invited - friends of members are most welcome. Breakfast starts at 9 a.m.

Two new members have been added to the roster, bringing our membership to a total of 164. We welcome William Bill Shipley, VE4BYL, and Rudy Peters, VE4RP to our group.

Please note that the resignation of Ian Rollo-4MAC as Secretary has been accepted, and Ed Henderson-4YU has been appointed as Secretary for the balance of the term.

A plea was made by Treasurer Tom-4TSM to all members to consider making their yearly donation to the Club NOW, so that we can arrange a proper allocation of funds to costs of the budgeted programs. Prez Alf-4ALF is still looking for members to act as Duty Officers. If you have a day in the week that you can come and look after the station (8:30-9:00 until approx. 3:00), or come as a co-duty officer, or even for half a day, please sign up, or call the Club at 233-3122 to volunteer. With 164 members, we should be able to muster a full complement for the 5 days.

The bi-yearly newsletter "Sparks" is now being prepared by Gil-4AG, our PR man, and should be in the

mail to all members by end of April.

A donation has been made to the club of some excellent electronic gear: an oscilloscope, constant-voltage transformer, spectrum analyser, and an amplifier with speaker. These were donated by Kirby Nesbitt, VE4NU and Clare Nesbitt, VE4NL. Our thanks to the Nesbitts; these items will be put to good use in our workshop.

Just a reminder to Board members: the next meeting is slated for Wednesday, May 15th. Meeting starts at 9:30 a.m.

MINUTES for W.A.R.C. - APRIL 8, 1996

Meeting called to order. Richard Kazuk presiding. There were 83 in attendance with everyone introducing themselves in the customary fashion by name and callsign.

OLD BUSINESS: none

CORRESPONDENCE: Roxanne VE4ZF read a report from RAC director Dave VE4EF to all clubs in the Midwest Region.

TREASURER'S REPORT: Rick VE4OV reported balance of \$4382.00

STANDING COMMITTEES:

ATTENDANCE & DOOR PRIZES: All members reminded to sign in for the membership draw and everyone welcome to purchase raffle tickets.

FLEA MARKET: Jim VE4AJR announced that all the tables are rented. The small room will not be used as it is not accessible from the main hall. Jim reminded everyone that there will be a \$1 admission charged to all who attend the flea market.

NEWSCASTER: Derek VE4HAY announced that April 29 was the deadline for articles. Anyone interested in submitting an article by diskette should see Derek and he would give them a free diskette for that purpose.

ARES: Jeff VE4MBQ reported on a planned, announced 2 meter amateur communications exercise held April 5. All went well and there will be another exercise scheduled. Jeff also reported on spring flood conditions. A detailed bulletin will be presented on the MRS Net April 11 at 2110 hours. A brief presentation on Manitoba ARES was followed by a request from Bruce Massey for anyone interested in helping ARES and the Red Cross with communications during a flood situation to please sign up.

CON. ED.:

PROGRAM: Rob VE4GV announced that at May meeting we will do the planning and preparing for Field Day. It will be our opportunity to make Field Day a

Comments or if you just want to reach us :

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C/O VE4WSC
598 St. Mary's Road
Winnipeg, MB R2M 3L5

<http://www.freenet.mb.ca/amradio>

success for everyone. The location near Labarriere is being looked into by Vern VE4VQ.

MEMBERSHIP: Richard VE4KAZ reported 287 members on roster.

MALL DISPLAY: The display will be from Monday, April 29 to Thursday, May 2 at the St Vital Shopping Centre. They will be setting up antennas on the roof starting at 9:00 Sunday, April 28. Anyone wanting to help may see him at the break.

MANITOBA MARATHON: Anyone willing to help with communications during the Marathon on June 16 may contact either Kay VE4YF or Roxanne VE4ZF.

SPECIAL INTEREST GROUPS

Tom VE4SE reported on the role of amateurs in helping the Red Cross during a possible flood condition. Amateurs would be passing communications regarding the registration and inquiry of evacuees. All amateurs are welcome to help, including those who are not members of either ARES or the Red Cross.

The DX Sleuths had 20 members at their meeting tonight. There are some plans in the works. Anyone interested in joining the group may contact Adam VE4SN or Ed VE4YU.

NEW BUSINESS:

NOTICES:

Ed VE4YU has information on a place in Phoenix, Arizona that has supplies for old radio equipment. A photo display of CKVN's operators was set up at the meeting May 18 is USA Armed Forces Day. These stations can be contacted by CW and Sideband.

Meeting adjourned at 20:25 by Richard VE4KAZ. The homebrew creations were on display and head judge Rick VE4OV will be presenting the prizes to the winners after the break.

ARES Committee Report **by Jeff, VE4MBQ**

A Winnipeg ARES exercise originally scheduled for March 30/96 but cancelled due to the adverse

weather was successfully held Apr 5/96. Twenty-five Winnipeg ARES (WARES) members participated in the exercise which was composed of a closed directed net run out of the WARES station in the City of Winnipeg Emergency Operations Centre, Check-ins of WARES members available for duty and WARES members monitoring only. Members available for duty were dispatched to a variety of locations both inside and outside of Winnipeg City limits and were checked-in on several different repeaters as the net QSY'd. The WARES members who participated displayed exemplary radio procedures and did not engage in any extraneous chatter. Special thanks to MRS, UMARS, WSC and Cathy Young of the City of Winnipeg Emergency Program.

WARES fund raising efforts coordinated by Robert, VE4RST got off to a flying start with a very successful silent auction at the recent WARC Flea market. I expect that Robert will be thanking the sponsors individually - you know who you are. Thanks for your support!

The April WARES meeting saw a lot of discussion on the spring flooding situation. Mark Bennett, the City of Winnipeg Emergency Coordinator dropped in to update us on the City's preparations and plans. Jeff, VE4MBQ provided the members with a list of frequencies to be utilized by Manitoba ARES and by WARES in the event we are called into action. the responsibilities of the Manitoba and Winnipeg ARES were outlined.

Seventeen WARES members are scheduled to provide amateur communications for the 6th Annual Physio Fit Run on May 4/986 at Assiniboine Park. This will be the first year the event organizers are utilizing amateur radio.

I would like to thank Andrew Huhn of Shaw MobileComm (943-5544) for his cooperation in providing Winnipeg ARES with a complimentary numeric pager for the President's use. This gives us a back-up method of reaching the Winnipeg ARES leadership in the event that the Emergency Coordinator cannot be located. Andrew has been most cooperative in the past towards Winnipeg ARES.

I am out of program ideas - any WARES members with suggestions should contact Jeff, VE4MBQ A.S.A.P. The next WARES meeting is Tuesday May 21/96 at 19:00h at St. John Ambulance, 535 Doreen Street. The guest speaker will be pat McCarthy from the Severe Weather Centre Environment Canada.

W.A.R.C. Flea Market

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by Jim, VE4AJR

The Executive of the Winnipeg Amateur Radio Club wish, once again, to express their appreciation to all who participated in the set-up, running and take down of the "Flea Market" on Sunday April 14/96. There were 418 people who attended this event. There were some favourable comments received and some suggestions for future "Markets".

There were 12 door prize winners:-

VE4ANC	Lee	Hat & Pin M.A.R.M.
VE4BWA	Bruce	External Speaker - 40 Channels
VE4DRN	Doug	Packet Program - Burghards
VE4ELE	Ellen	Short Stories - Burghards
VE4GTR	Dauwynn	Soldering Iron - Probe Electronics
VE4MPC	Michael	Computer Show tickets - Videon Cable
VE4PN	Dave	Kids Watch - Kildonan Radio Shack
VE4SAP	Phil	Mag. Antenna - Prairie Communication
VE4YH	Gary	Kids Watch - Kildonan Radio Shack
VE4UZ	Terry	VHF Swr Meter - 40 Channels
VE4VZ	Rolf	Digital Multi Meter - W.A.R.Club
Young Boy		Hat & Pin M.A.R.M.

The Executive wish to acknowledge and thank the noted donors of the door prizes.

My personal appreciation goes out to those who set up and took down tables; handled the parking; making change at the door; those who took tickets; the kitchen "STAFF"; the clean up crew who swept out the hall and cleared up the paper table covers; and others who were available "in case of"; also those who acted as door watchers (both real big men.... no arguments with them); TV & VCR display.

It is worth repeating that with-out all of the co-operation of our membership this event cannot be carried out successfully. It is impossible for me to name every individual who helped out. The Executive is open to suggestions for future events. The kitchen certainly came up with an excellent menu, which incidentally was all home prepared with considerable effort. The "lounge" area, away from the main hall, was part of this kitchen set up. We would appreciate any comments.

W.A.R.C. HomeBrew Night by Rick, VE4OV

Home made "HomeBrew" technical equipment has its roots in the early beginnings of our hobby. Indeed,

Marconi thought himself as an "amateur" as he continually experimented in improving wireless communication. Building and experimenting in Electricity & Electronics has been the start of many youthful hams and professional careers. (it worked for me!)

And speaking of young experimenters, some of the kids from Frontenac School, under the watchful eyes of Vern, VE4VQ and Gil, VE4AG, brought their crystal sets to the "show & Tell" part of the evening. Those hand-wound tuning coils and wooden cases eagerly demonstrated by impish Marconi wannabees twanged a long-lost chord as I remember receiving only "the French

Red Cross Blood Donor Clinic

Ever thought about giving blood. Well here's your chance. I have arranged to have a blood donor clinic for Amateur Radio Operators on Thursday May 30th at the main blood depot 236 Osborne Street North. All you have to do is show up and sign the registration sheet.

What qualifications do you need to give blood - you must not have donated in the last 56 day, you must be between 17 & 71 years of age (first donation made prior to your 60th birthday) & weigh at least 110 lbs. Please eat a full meal prior to donating and bring along identification bearing your full name and a signature or photo.

So come on down, it only takes about 60 minutes from registration to finishing that free coffee & dounut while you eye-ball your fellow HAM. If you have any question on donating please call 982-7400. Give the gift of life!!

Station" on my various crystal sets.

This year, there were seven official entries, and the room was filled with 84 folks waiting to ohh & ahh at their creations. The two judges were Rick, VE4OV and Ellis, VE4AJO. Rick and Ellis have done this many times before and work well as a team.

Shaun, VE4UO demonstrated his sensitive S-Meter addition to his scanner. William's, VE4VR fingers flew across his laptop as he put the DTMF encoder/decoder through its paces. Craig's, VE4CET 25 foot ABS plastic mast portable tower was toted-in enclosed in a ski bag. Tom's ,VE4AKI side Swiper paddle and keyer had a nice professional touch. Tom's VE4XG machined CW straight key has huge ball bearings to smooth the way. A', VE4ZB 3-foot copper loop antenna for 15, 17, 20m is tuned by remote control and Ivek, VE4COZ c-mos 8 memory iambic keyer works well and has dashes-on-the-thumb (reverse to standard and he is right handed!).

Well they're all winners... but someone had to pick up the loot in prizes, and it went like this. First prize (Craftsman tool set) to VE4CET, second prize (Craftsman nut driver set) to VE4COZ, and third prize (Craftsman tool box) to Al VE4ZB. Honourable mention to VE4VR.

Our club officially encourages experimentation and construction by having HomeBrew night and awarding a total of \$150 in prizes. Warm up your soldering iron and get cracking on your next project! Why be a Marconi wannabee when you can be a Thomasson/Kwapich/Eros/Franzin?

**Report from Midwest Director RAC:
by Dave Panting, VE4EF**

The annual RAC board of directors meeting was held in Ottawa from April 18 to 20. We had a busy three days during which a large number of policy issues were dealt with and the announcements of these along with the minutes will be published in an upcoming issue of The Canadian Amateur.

One of the highlights is the official formation of ARAS-SARA (Amateur Radio Administrative Service-Service Administratif Amateur Radio) as an entity distinct from RAC. ARAS-SARA will deal with the delegation of call signs and the administration of delegated examiners. For any of you with access to the internet, extensive information about RAC and ARAS-SARA is available @ www.rac.ca & www.aras-sara.ca/index.htm

One of the important functions the board does each year is appointing an executive to handle the day to day operations of RAC for the next twelve months.

The 1996/97 executive is as follows:

*President J. Farrell Hopwood, VE7RD
1st Vice President Dave Panting, VE4EF
V/P & General Counsel Tim Ellam, VE6SH
V/P Government Affairs Jim Dean, VE3IQ
Treasurer Ken Pulfer, VE3PU
Secretary Henry Tait, VE7FYU
General Manager Deborah Norman*

In accordance with the RAC conflict of interest guide-lines it is not possible for a director to concurrently serve on the executive. Therefore, I am resigning as the Midwest Director effective immediately. Rick Lord VE4OV has been appointed by the board to serve as director of the Midwest Region for the remainder of the current term which ends December 31, 1996. Rick is an active and energetic ham who is currently serving on the executive of the Winnipeg Amateur Radio Club and who is a widely respected instructor of basic and advanced licensing courses and is also a delegated examiner. Rick can be contacted by mail at #27 Portsmouth Blvd., Winnipeg, R3P 0V7 by telephone at 204-896-0631 or by e-mail at probe@mts.net.

It has been a pleasure serving as director and I look forward to continuing with RAC in my new position. I am always interested in hearing from anyone who has any questions, concerns or comments.

**Obtaining MB. Call Sign Vehicle Plates
by Grant, VE4HGD**

VE4TB Has Asked me to pass along the following: To Obtain Call sign plates send a letter to the Motor Vehicles Branch Requesting Your Call Sign. Include a copy of your Valid Station Licence, a Cheque for \$15 made out to the Minister of Finance, Your name address and Phone Number. Your plate will be made the next time plates are pressed and you will be notified to pick them up at the Motor Vehicles Branch if you live in Winnipeg outside they will be mailed to you. Remember there is a \$15 transfer field unless you register the plate when your insurance becomes due (3 months after your Birthday)

The Manitoba Amateur Radio Museum

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Installations-Repairs-Modifications**

by Dave, VE4XN

The Manitoba Amateur Radio Museum Inc. will open May 20 and will be open daily 9:00 am to 5:00 pm until Oct 1st. Gate fee's \$4.00 members free. Come and visit Canada's only Amateur Radio Museum. For packet info - VE4XN @ VE4BBS.#HWD.MB.CA.NOAM

SAFETY CLIMBING BELT

By Dave, VE4XN

The Manitoba Amateur Radio Museum requires a climbing belt like a hydro lineman's belt. Please contact Sec-Tres, Dave Snydal VE4XN via VE4BBS or whatever.

Winnipeg ARES Special Report

by Jeff, VE4MBQ

Winnipeg ARES members and members of the Winnipeg Senior Citizens Radio Club received an emergency call-out from Manitoba SEC Don Mackinnon, VE4DJM on Saturday April 26/96 at 12:33h. The Manitoba Emergency Measures organization requested supplementary amateur communications for the St. Adolphe ares. An intensive sandbagging operation in the ares due to the severe spring flooding was complicated by the collapse April 25/96 of a combined communications tower in south Winnipeg. The collapsed tower has supported microwave links for long distance telephone communication to the Interlake area of Manitoba, the Environment Canada VHF Weather Radio System, and a major portion of the cellular system in south central Manitoba (the area most affected by spring flooding!).

Jeff, VE4MBQ, the Winnipeg ARES EC put out a voice alert on the VE4WPG repeater and activated the Winnipeg ARES telephone tree. Jeff also contacted the two primary Winnipeg ARES net control operators, Derek, VE4HAY and Richard, VE4KAZ. Bruce, VE4GR, The Winnipeg Senior Citizens Radio Club EC activated the WSC telephone tree. Jeff, VE4MBQ also contacted the two secondary Winnipeg ARES net controllers (David, VE4DAR, Dick, VE4HK) advising them that they might be required later on as relief operators.

An emergency net was convened on the VE4WPG repeater at 13:15h by Derek, VE4HAY. Thirteen Winnipeg ARES members checked-in as available for Duty. Seventeen Winnipeg ARES members checked-in as available for duty later on. Approximately eight WSC members checked-in available for duty at the WSC facility. The WSC EC, Bruce VE4GR took the

WSC members over to the VE4MAN repeater to discuss their staffing/operating requirements.

Don, VE4DJM, the SEC and Jeff VE4MBQ the Winnipeg ARES EC and Assistant SEC arranged to meet at the Manitoba ARES comm centre at the Winnipeg Seniors Radio Club. Two operators, Jim VE4AJR, and Doug, VE4DUG, were assigned to stage at WSC for dispatch to St. Adolphe. Two midnight relief operators, Shaun, VE4OU, and Tom, VE4SE were identified and scheduled. At 15:26h Don, VE4DJM was advised by Manitoba Emergency Measures that alternate communications had been secured through the Department of national Defense. The emergency net on VE4WPG was stood down, and the operations at WSC was wrapped up.

I would like to thank the ARES & WSC member who were active participants in this call-out as well as the general members of the amateur community for their cooperation.

Product Announcement

Radio Shack - DX-394 Receiver

Radio Shack has just brought in a new general coverage receiver with a frequency range of 150 KHz - 30 MHz continuous coverage. Capable of SSB, CW (narrow & wide) and AM.

Sensitivity LW - 10uV, MW - 7uV, SW - 1uV

Selectivity 7 KHz - 50db, 15KHz - 50db

IF rejection - 80db

Spurious Rejection - 80db

IF Freq. - 1st - 45MHz, 2nd - 455KHz

The unit operates on 120Vac or 13.8Vdc and weighs 4.6lbs (2.1Kg) I have not been able to test the rig or determine who the actual manufacturer is. but for under \$400. you can have a fairly decent general coverage rig. So for those of you who are think about getting your HF endorsement here is a chance to hear what all the fuss is about without laying out \$3000. first. For more info please talk to VE4DDW, VE4NGM, VE4GM who are Radio Shack dealers or salespersons.

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Extractions from QST Magazine - May/96 by Ed, VE4YU

AMATEUR RADIO VS. THE COMPETITION

Bill Kleronomos, KD0HG, Lyons, Colorado

..... January 1996 QST contained two letters that suggest that Amateur Radio may be, as one writer implies "...a relic of the past". The message seems to be that we should abolish the Morse Code requirement and find ways to compete with other means of communications such as the Internet and cellular telephones. By definition, Amateur Radio is more than the use of technology for interpersonal communications. The hobby is based on the use of radio technology, it is grounded in many individuals' interests in the scientific principles pertaining to both RF and electronics - subjects yet to be relegated to the trash heap of history! Yes, the digital revolution has had an impact on other areas to a greater extent than ham radio. This fascination with digital technology for its' own sake is not a measure of the technical state of ham radio. A more reasoned view would show that we are embracing digital technology as it serves our purposes. Amateur radio will prosper as long as we keep it a pursuit that means more than simply acquiring a piece of hardware. Let's not "dumb down" the service in a misguided effort to compete with other pursuits. If we do, we will surely lose. As the chief engineer of a broadcast operation, I would much rather see "Amateur Radio operator" on a job applicant's resume than "cell-phone user" or "Web surfer". Let's keep it that way.

KEEP THE CODE

Bill Franklin, W7DOZ, Phoenix Arizona

I am primarily a phone operator-always have been, probably always will be. I have been licensed for 45 years, ... I operated phone exclusively for my first 42 years in the hobby. However, in 1993, I decided to upgrade my Advanced license to Extra Class ... and was willing to put in the effort to get it. Now it appears that many Technician and some higher-class licensees are rallying to eliminate the code requirement. Just reading some of these letters has me shaking my head in disbelief. Give me a break! There is an analogy to life that goes something like this: "GIVE a man a fish and you feed him for a day; TEACH a man to fish and you feed him for life"! The real crux of the problem is not that the testing is too hard, but that for some people, it exceeds their motivational level. That's their problem, but hardly an excuse to eliminate the CW requirement. CW will always be a part of Amateur Radio, no matter what some non-code operators think, and is enjoyed by a very large percentage of the ham population (just listen in on

any CW contest). Those people who are properly motivated will move up to the higher license classes when they want to. It took me over 40 years to have that desire; most people don't wait that long! Keep the requirements high and the testing as it is now. If the numbers of new hams start decreasing, then we need a better educational program, not sub-par requirements.

Tentative 1996 ARRL Contest Calendar

Extracted from the ARRL FTP site

MAY	1	432-MHz Spring Sprint
	11	902-MHz Spring Sprint
	11	1296-MHz Spring Sprint
	11	2304-MHz Spring Sprint
	18-19	50-MHz Spring Sprint
JUNE	8-10	ARRL June VHF QSO Party
	22-23	Field Day
JULY	13-14	IARU HF World Championship
AUG.	3-4	ARRL UHF Contest
	17-18	ARRL 10-GHz Cumulative Contest
SEP.	14-16	ARRL September VHF QSO Party
	21-22	ARRL 10-GHz Cumulative Contest
NOV.	2-4	ARRL November Sweepstakes, CW
	16-18	ARRL November Sweepstakes, phone
DEC.	6-8	ARRL 160-Meter Contest
	14-15	ARRL 10-Meter Contest

Field Day Rules - 1996

Extracted from the ARRL FTP site

1) Eligibility: Field Day is opened competitively to all amateurs in the ARRL/RAC Field Organization (plus Yukon and NWT). Foreign stations may be contacted for credit, but are not eligible to compete.

2) Object: To work as many stations as possible on any or all amateur bands (except 10, 18 AND 24-MHz bands) and, in doing so, to learn to operate in abnormal situations under less-than-optimum conditions. A premium is placed on skills and equipment developed to meet the challenge of emergency preparedness and to acquaint the public with the capabilities of Amateur Radio.

3) Dates: June 22-23, 1996.

4) Field Day Period: From 1800 UTC Saturday until 2100 UTC Sunday. Class A and Class B (see below) stations

RAC Regional Director, Dave Panting, VE4EF's letter to all clubs in the midwest region (that was read at last months meeting) is available from the club secretary who has a copy of the letter

who do not begin setting up until 1800 UTC Saturday may operate the entire Field Day period of 27 hours. Others must begin their set-up no earlier than 1800 UTC Friday, and may operate no more than 24 consecutive hours; ie, once on-the-air Field Day operation has started, it must end 24 hours from that point.

5) Entry Categories: Field Day entries are classified according to the maximum number of simultaneous transmitted signals, followed by the designation of the nature of the individual or group participation. Below 30 MHz, once a transmitter is used for a contact on a band, it must remain on that band for at least 15 minutes. During this 15-minute period, the transmitter is considered to be transmitting a signal, whether it is or not, for purpose of determining transmitter class. Switching devices prohibited.

%(Class A) Club/non-club portable: Club groups (or non-club groups with three or more licensed amateurs) set up specifically for Field Day. Such stations must be located in places that are not regular station locations, and must use no facilities installed for permanent station use, nor any structures installed permanently for Field Day use. Stations must be operated under one call sign (except when the Novice/Technician position is used) and under the control of a single licensee or trustee for each entry. All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet). All contacts must be made with transmitter(s) and receiver(s) operating independent of commercial mains. Entrants who, for one reason or another, operate a transmitter or receiver from commercial mains for one or more contacts will be listed separately at the end of their class.

Any Class A group whose entry classification is two or more transmitters (non-Novice) may also use one Novice/Technician operating position (Novice bands only) without changing its basic entry classification. For Field Day purposes only, any Canadian Amateur HF licensee, who has been licensed for less than six months prior to Field Day, shall be considered a "Novice" to provide a means for Canadian Field Day Class A stations with two or more transmitters to participate with a "Novice/Technician" operating position. This "Canadian Novice station" is restricted to the US Novice sub-bands and power/mode restrictions. The Novice/Technician station (including antennas) should be set up and operated by Novice and Technician licensees and should use the call sign of one of the Novice/Technician operators.

%(Class A--Battery) Club/non-club portable: Club groups (or non club groups with three or more licensed amateurs) set up specifically for Field Day and all contacts are made using an output power of 5 W or less and the power source is other than

commercial mains or motor-driven generator (eg, batteries, solar cells, water-driven generators). Other provisions are the same as for class A.

%(Class B) One- or two-person portable: Non-club stations set up and operated by not more than two licensed amateurs will be placed in Class B. Other provisions are the same as for Class A. One- and two-person Class B entries will be listed separately in the results.

%(Class B--Battery) One- or two-person portable: Non-club stations set up and operated by not more than two licensed amateurs and all contacts are made using an output power of 5 W or less and the power source is other than commercial mains or motor-driven generator (eg, batteries, solar cells, water-driven generators). Other provisions are the same as for Class A. One- and two-person Class B--Battery entries will be listed separately in the results.

%(Class C) Mobile: Stations in vehicles capable of operating while in motion and normally operated in this manner, including antenna. This includes maritime and aeronautical mobiles.

%(Class D) Home stations: Stations operating from permanent or licensed station locations using commercial power. Class D stations may count contacts only with Class A, B, C and E Field Day groups for points.

%(Class E) Home stations--emergency power: Same as Class D, but using emergency power for transmitters and receivers. Work stations in Class A, B, C, D and E.

6) Exchange: Stations in any ARRL/RAC Section will exchange their Field Day operating class and ARRL/RAC Section. For example, if your club group was planning to operate in the three-transmitter, Class A category from Missouri, you would send "3 A Missouri". Foreign stations send RS(T) and QTH.

7) Miscellaneous Rules:

%(A) Operators participating in Field Day may not, from any other station, contact for point credit the Field Day portable station of a group with which they participated.

%(B) A station used to contact one or more Field Day stations may not subsequently be used under any other call during the Field Day period. Family stations are exempted.

%(C) Each phone and each CW segment is considered as a separate band. All voice communication contacts are equivalent, and packet/RTTY/ASCII/AMTOR is counted as CW. A station may be worked once on each band. Crossband contacts are not allowed. The use of more than one transmitter at the same time on a single band is prohibited, except that a Novice/Technician position may operate on any Novice band segment at any time. No repeater contacts.

8) Scoring: Scores are based on the number of valid contact points times the multiplier corresponding to the highest power used at any time during the Field Day period, plus bonus points. Phone contacts count one point each, and CW contacts count two points each. Power multipliers: If all contacts are made using an output power of 5 W or less and if a power source other than commercial mains or motor-driven generator is used (eg, batteries, solar cells, water-driven generators), multiply by 5. If any or all contacts are made using an output power of 150 W or less, multiply by 2. Multiply by 1 if any or all contacts are made using an output power more than 150 watts. Batteries may be charged while in use for Class C entries only. For other classes, batteries charged during the Field Day period must be charged from a power source independent of the commercial mains.

%A) Bonus points: The following bonus points will be added to the score (after the multiplier is applied) to determine the final score. Only Class A and B stations are eligible for bonuses. Just check the box on the Field Day summary sheet to indicate that you qualify for the bonus, and attach the necessary proof.

{ 1) 100% emergency power:

100 points per transmitter or 100% emergency power. All equipment and facilities at the Field Day site must be operated from a source independent of the commercial mains. Example: A club operating 3A, using 100% emergency power may claim 300 bonus points.

{ 2) Public relations:

A) 100 points for media publicity. Publicity must be obtained or a bona fide attempt to obtain publicity must be made. Evidence must be submitted in the form of a newspaper clipping, a memo from a BC/TV station stating that publicity was given or a copy of the material that was sent to the news media for publicity purposes.

B) 100 points for physically locating in a public place (eg shopping centre, parks, etc) with significant access by the public. The intent here is for Amateur Radio to be on display to the public.

C) An additional 100 points can be earned by such display stations in public places actively conducting an information booth for the visiting public, and dispensing information handouts, maintaining visitor's log, etc, as an information/recruiting tool for Amateur Radio. Evidence submitted for both (B) and (C) may consist of copies of handouts, visitor's log, brief report on activities conducted, photos, etc.

{ 3) Message origination: 100 points for origination of a message by the club president or other Field Day leader, addressed to the SM or SEC, stating the club name (or non-club group), number of operators, field location and number of ARES members participating. The message must be transmitted during the Field Day

period, and a fully serviced copy of it must be in standard ARRL message form or no credit will be given.

{ 4) Message relay: 10 points for each message received and relayed during the Field Day period, up to a maximum of 100 points. Copies of each message, properly serviced, must be included with the Field Day report.

{ 5) Satellite QSO: 100 points can be earned by completing at least one QSO via satellite during the Field Day period. The repeater provision of Rule 7C is waived for satellite QSOs. A satellite station (one) does not count as an additional transmitter. On the summary sheet, show satellite QSOs as a separate "band".

{ 6) Natural Power: Field Day groups making a minimum of five QSOs without using power from commercial mains or petroleum derivatives can earn 100 points. Intuitively, this means an "alternate" energy source of power such as solar, wind, methane or grain alcohol. This includes batteries charged by natural means (not dry cells). The natural-power station counts as an additional transmitter. If you do not wish to change your entry class, take one of your other transmitters off the air while making the natural-power QSOs. A separate list of natural-power QSOs should be enclosed with your entry.

{ 7) WIAW message: A bonus of 100 points will be earned by copying a special ARRL Field Day bulletin sent over WIAW on its regularly announced frequencies just before and during Field Day. This message can be received directly from WIAW or by any relay method. An accurate copy of the received message should be included in your Field Day report.

{ 8) Packet Radio: 100 points can be earned by completing at least one QSO on packet radio during the Field Day period. The repeater provision of Rule 7C is waived for packet radio QSOs. A packet station (one) does not count as an additional transmitter. On the summary sheet, show packet radio QSOs as a separate "band".

{ 9) VHF/UHF: 100 points can be earned by completing at least ten QSOs (excluding packet contacts) on any band or combination of bands above 50 MHz (VHF/UHF bands) during the Field Day period. A VHF/UHF station (one) does not count as an additional transmitter. This station is not limited to making just ten QSOs. It may be operated for the entire Field Day period, and all contacts (excluding packet contacts) count for QSO points credit, including the first ten.

9) Reporting: Entries must be postmarked by July 23, 1996. No late entries can be accepted. A complete entry consists of an official ARRL summary sheet (or reasonable facsimile) and a list of stations worked on each band/mode during Field Day, plus bonus proof. The list of stations worked on each band or mode may take the form of official ARRL dupe sheets or an alphanumeric listing of call signs worked per band and

mode. This list may be computer-generated. Incomplete or illegible entries will be classified as checklogs. A copy of Field Day logs should be kept by your Field Day group, but should not be sent in unless specifically requested later by ARRL.

10) Condition of Entry: Each entrant agrees to be bound by the provisions, as well as the intent, of this announcement, the regulations of his or her licensing authority and the decisions of the ARRL Awards Committee.

11) Disqualification: See the Contest Disqualification Criteria for complete details.

WIAW Field Day Bulletin Schedule

In addition to the regular schedule detailed in April QST, extra CW bulletins will be run at 1400 UTC (10 AM EDT), and extra phone bulletins at 1500 UTC (11 AM EDT) both Saturday and Sunday mornings.

BLACK HILLS HAMFEST **by KG0GG**

You are invited to attend a hamfest sponsored by the Black Hills Amateur Radio Club at the Surbeck Center on the campus of the South Dakota School of Mines and Technology in Rapid City. June 28-30th. Registration at 4pm on Friday. Plan to meet your fellow amateurs for a weekend of fun in the Black Hills of South Dakota. The hamfest will feature a flea market, commercial exhibits, VE Exams, QCWA Luncheon, Prizes, forums and other fun events.

Call the Convention and Visitors Bureau at 1-800-487-3223 and ask for a visitors packet. This will contain maps, hotel information, etc. for the area. BHARC, P.O. BOX 294, RAPID CITY, SD 57709

Notes from your Editor: **by Derek, VE4HAY**

To help in the editing of the newsletter I am

WARC members renewing RAC membership

Please ensure that you quote WIN102 when renewing or beginning your RAC membership. The Winnipeg Amateur Radio Club receives a commission from RAC each time a member uses WIN102.

offering **Free Diskettes** to anyone who submits an

article for the Newscaster. This will help me out in the re-typing phase. And I won't mis-spell your articles this way. Graphics can be in a variety of formats.

You can submit articles to me via the internet as: derek@facs.mb.ca or ve4hay@ve4umr.ampr.org or via packet as: ve4hay@ve4kv.#wpg.mb.ca.noam. I can also be reached on MWCS or at my home number 257-1420.

Manitoba Marathon - June 16,1996

The Manitoba Marathon is fast approaching and Kay, VE4YF or Roxanne, VE4ZF are still looking for a couple of volunteers to assist with the communications that is provided by amateur radio operators each year. Should you be available and would like to help our please give them a call.

Weather Watchers Wanted

Manitoba ARES is looking at working with Severe Weather Centre of Environment Canada in implementing a CanWarn System in the Manitoba region. If you are interested please attend the next meeting of Winnipeg ARES, May 21, at St. John Ambulance to find out more about CanWarn.