

Newscaster

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

April 1996

Home Brew Night

Bring down your best project
& win a prize

Date: **April 8, 1996**
Time: 7:30 p.m.
Place: Sturgeon Creek Regional Secondary School

Other Important Dates:

Articles: Apr 29- Deadline for May meeting

WARC: Apr. 14 - Spring Flea Market
Apr 29 - May 2 - Mall Display, St. Vital Ctr.
May 13 - Meeting
June 19 - Marathon
June 23,23 - Field Day

WSC: Apr 11 - Breakfast, @ Norlander

ARES: Apr 16 - Meeting

Other: Apr 18 - MRS General Meeting & Elections
Sep. 7,8 - 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 Spring has sprung, the snow has melted and the sun has begun to shine. Now that the snow has melted we can all get out and get rid of those winter blues. I would like to thank Derek Hay VE4 HAY for his very informative presentation at the March WARC meeting on 2m operation and the linking systems

A new special interest group was introduced to us at the March WARC meeting. They are called the Winnipeg DXing Sleuths. They meet at 6:45 in the cafeteria on the same Monday night as our monthly club meeting. So drop in and find out what DXing is all about.

Just a reminder that the April WARC meeting (HomeBrew Night) is being held in the cafeteria, not in the theatre.

The Spring Flea Market is only weeks away and things are coming together. See you at the Flea Market on April 14. The Club will be putting on a mall display at the St. Vital Shopping Centre from April 29 to May 2 (Monday to Thursday). If you are interested in helping out, please contact Ed Henderson VE4 YU. Drop in and see what's going on.

Winnipeg Senior Citizens Radio Club released by Alf, VE4ALF (President -96)

As mentioned last month, a new rotor was ordered for the HF tower installation ... it has been received, and Abe, 4ZI, and crew, will be installing it when the weather permits (and the tower is straightened and re-guyed). It will be nice to direct our signals where we want to, once again.

VE4WSC is active as CH4WSC through to May 31, to commemorate the 100th Anniversary of the Red Cross in Canada. For further info re this special event, join the Red Cross National Net on Sundays, 1900Z on 14.125,

and work VG3CRC, the Red Cross HQ in Ottawa. Check packet for REDCROS@CANADA bulletin for complete list of all Red Cross stations with special prefixes, and locations.

A reminder about the next regular monthly breakfast: April 11th, at the Norlander Inn, 1792 Pembina Highway, beginning at 9 a.m. If expecting to attend, please notify the club duty person; phone 233-3122, call in on VE4WPG, or send packet message - VE4WSC@VE4KV.

Watch for the next issue of "Sparks" going to all embers of record, which will be mailed out sometime in April. If you have anything at all that you want published, get it to Gil, VE4AG, the editor, While no deadline is set, we hope to put it together by middle of April. We would hope that committee heads would submit reports; and, of course, we would have the president's message and other executive-related reports. We'll even accept members' ads - buy, sell or swap. This is your chance to have your say - how about a letter to the editor? If you want to talk directly to Gil, phone 888-2473.

There are now new forms in the office for name badge orders and RAC memberships/renewals. Join or renew through the Club, mention affiliation number WIN100, and we get a little remuneration. Thanks to all for their 1996 donation - if you haven't already done so, please consider doing it soon.

MINUTES for W.A.R.C. - March 11, 1996

Meeting called to order at 19:35 by Richard VE4KAZ. There were 83 in attendance with everyone introducing themselves by name and call sign.

Amendment to the February minutes: new ham Norm's call sign should be VE4EH. Moved by Rob VE4GV and seconded by Tom VE4SE that the minutes are accepted as amended. Passed.

OLD BUSINESS: none

Comments or if you just want to reach us :

Newsletter Editor
Winnipeg Amateur Radio Club
C/O VE4WSC
598 St. Mary's Road
Winnipeg, MB R2M 3L5

<http://www.freenet.mb.ca/iphome/a/amradio/index.html>

CORRESPONDENCE: none

TREASURER'S REPORT: Rick VE4OV reported a current balance of \$4519.36

STANDING COMMITTEES:

ARES: Jeff VE4MBQ reported on a recent press release from the provincial government concerning the potential for spring flooding. Jeff is the Winnipeg ARES Emergency Coordinator. He asked that anyone willing to assist ARES in the event of a communications emergency see him at coffee break and all that were required are 2M capabilities and a willingness to help. Jeff briefly outlined the duties and responsibilities required.

FLEA MARKET: Jim VE4AJR announced that over half the 35 tables are rented out. A spare room will be made available for extra tables if necessary. Anyone willing to help with set up, take down, selling entrance tickets, etc. should see Jim at coffee break. Jim is also looking for donations of door prizes. Tom VE4SE announced that the food will be served at the back and that tables and chairs would be set up in that area.

Schedule: 0800 - 0900 Set up Tables

0900 - 1000 Vendors Set Up

1000 - 1400 General Admission (NO

EARLY ADMITTANCE)

1400 - Take Down Tables

PROGRAM: Rob VE4GV presented the topics for the upcoming meetings:

April is Home Brew Night. Rob encouraged everyone to bring from their shack anything that they have found useful and which could be shared with others. There will be an opportunity for everyone to "Show and Tell."

May will be a "Field Day Primer" with everyone getting a chance to participate. A site in or close to Winnipeg will be chosen so that 2M activities can be included.

CON ED: Rick VE4OV announced that the 5 WPM cod course is completed with all "sending" done and some "receiving" still to be done.

MARATHON: Kay VE4YF needs about 60 volunteers to assist with communications during the Manitoba Marathon. Those interested can sign up during coffee break or can contact either her or Roxanne VE4ZF.

MEMBERSHIP: Currently 286 members.

SPECIAL INTEREST GROUPS:

DX Sleuths: Adam VE4SN and Ed VE4YU are the president and secretary-treasurer respectively of this group. The goals of members will be to obtain DXCC and Honour Roll Status. To join one must be a current WARC member and have a genuine interest in DX. They will meet just prior to the WARC meetings, from 18:45 to 19:15 in the cafeteria. Meetings will consist of the

exchanging of information, experiences and progress. Accomplishments will be reported to the WARC meeting. Membership fees are \$2 and each member will receive a certificate and card. See Adam at coffee break to sign up.

Ed gave a brief presentation on his recent DX experience during his vacation in Mexico. He had many good tips to pass on including the importance of a suitable site. He made 180 contacts and participated in the ARRL CW contest and the North American Sprint. The importance of being able to prove to customs officials that your equipment was purchased in Canada was supported by Rob VE4GV.

NOTICES:

Vehicle License Plates: Richard KAZ has application forms for anyone interested in obtaining a license plate with their call sign. Forms may be submitted to the Manitoba Department of Highways.

Meeting adjourned at 20:35 by Richard VE4KAZ.

PRIZES: Membership Raffle: Smoke Detector won by VE4RA. Membership Raffle: Fire Extinguisher won by VE4OKP. Attendance Raffle: 1 Year membership RAC won by Brian Drader

ARES Committee Report **by Jeff, VE4MBQ**

Elsewhere in this issue non-members of Winnipeg ARES will find a brief explanation of information they would require if called to assist Winnipeg ARES during an emergency situation.

Members at our March meeting were briefed on why ARES members are on a heightened state of alert. if you have not reviewed the Emergency Plan or your equipment in the last month this is a good time to do so (hint: **get fresh batteries**). You are reminded not to self-assign yourself but to await assignment from Net Control or the ARES commander (the EC or Duty EC for that shift). Effective 15 April 96 our operators at the EOC will use the **Sherlock Streetguide** 1996 edition for map references. The 1996 edition map sequence is discrepant from earlier editions.

As reported in last month's column, Winnipeg ARES is not covering the 1996 Winnipeg Airshow. We will be covering a variety of "smaller" events.

The executive is examining a number of issues including fundraising and budgeting, the alert system, and what direction a training program ought to take.

We are also concerned about the intention of members who are not in regular attendance at the monthly meetings. if this describes you and you are no longer able to function as a member of Winnipeg ARES please let Richard or Jeff know.

The April Winnipeg ARES meeting is Tuesday 16 April at St. John Ambulance. The program will be announced on the MRS net early in April.

RAC NEWS BULLETIN 03-96
INTERNET EDITION - 13 MARCH 1996

Spring Flea Market

Date: Sunday, April 14, 1996
Time: Vendors 09:00hrs.
General Admittance 10:00 - 14:00
Place: Waverley Heights Community Centre
1885 Chancellor Dr.
Cost: General Admittance \$1.00

Issued at RAC Administrative Office

MORE SPECIAL CANADIAN PREFIXES

Industry Canada has authorized all Canadian Radio Amateurs to use special prefixes to mark the 50th anniversary of UNICEF, the United Nations agency concerned with the protection of children victimized by war. From 0000 UTC March 30 until 2359 UTC May 30, 1996, Canadian amateurs may replace their normal callsign prefix with a special prefix as follows:

Regular Prefix	Special Prefix
VE1-9	VD1-9
VA2	VC2
VA3	VC3
VA7	VC7
VO1	VO7
VO2	VO8
VY1	VY7
VY2	VY8

RADIO PROPAGATION NUMBERS

Here are a few Internet addresses supplied by VE6UY for the individuals who want to know what is happening on the Sun. Check them out.

<http://www.drao.nrc.ca>

This is the Penticton Observatory.

<http://www.sel.noaa.gov/forecast.html>

This is the US NOAA site.

NOTICE No. DGRB-002-96

Consultation on radio licence fees - Phase I

The purpose of this notice is to advise all interested parties of the availability of a paper entitled "Consultation on radio licence fees - Phase I", representing the first phase of Industry Canada's development of a new radio licence fee regime. In the report, the Department presents the basic elements of a proposed radio licence fee structure based on spectrum consumption and spectrum scarcity.

The paper concludes with a list of subjects that require further exploration and discussion. Industry Canada recognizes the importance of obtaining public input to the further development of this new structure and invites comment on the outstanding issues.

Comments on this paper should be received at Industry Canada, 300 Slater Street, 15th Floor, Ottawa, Ontario, K1A 0C8, Attention DOSP-A, no later than May 24, 1996.

Copies of "Consultation on radio licence fees - Phase I" are available from Industry Canada, in Ottawa, from the Department's regional and district offices and via the Internet, at the following address:

<http://info.ic.gc.ca/ic-data/telecom/dgse/english/bprs.html>

February 19, 1996.

Jan Skora, Director General

Radiocommunications and Broadcasting Regulatory

THE ARRL LETTER UPDATE 1996 03 23

DXCC Disqualification

The ARRL Awards Committee met recently to review submitted documentation for the 1992-93 P5RS7 operation submitted by Romeo Stepanenko. After a review of all material available, the Awards Committee voted unanimously to disqualify Stepanenko from participation in the DXCC program. This disqualification was based upon Rule 12, Operations Ethics, and Rule 13. The disqualification means that Stepanenko is not eligible to participate in the DXCC program in any manner. This includes--as provided for under Rule 12, paragraph (b)--disallowance of contacts made with any station or DXpedition operated by him from the time of this action.

LEAVE THE H-T BEHIND IF YOU'RE OLYMPICS-BOUND

Andrew Funk, KB7UV, a member of the Olympic Broadcast Frequency Coordination Committee, has issued a word of warning for hams coming to Atlanta for the Olympics: "Leave your H-Ts at home!"

"To say things are going to be tightly controlled is an understatement," Funk said, adding that all broadcast-related RF gear will be required to pass an Olympic certification inspection in addition to that required by the FCC. "And I once found Amateur repeater coordination difficult!" joked Funk, who is Assistant News Operations Manager at WAGA-TV in Atlanta.

Funk said the policy will "unfortunately have an impact upon Radio Amateurs attending the games. Since VHF and UHF handheld radios are known to be easily modified for wideband use, security officers will not permit amateur H-Ts at Olympic venues," he said. "Some may argue that this policy is unreasonable. It may or may not be, but it will be in effect and enforced," Funk emphasized.

Michael Smalls, the co-chair of the Olympic Broadcast Frequency Coordination Committee was sympathetic: "We wish it was different," he said. "But, Atlanta is already pretty crowded."

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HAM LICENCE FEES IN BELGIUM

So you think that you are paying too much for your licence! In the last few weeks, we have learned from a Belgian ham, that the fees for a full licence in Belgium are about 125 or approximately \$250/year (CANADIAN). The licence is sub-divided in fixed, portable and mobile units, and one has to purchase each unit separately (batteries not included!)

In addition, one must purchase special "taxation" stamps to affix to the licence to validate it, just like the stamps that we had to use on our cheques in Canada, many moons ago! These special stamps cost another \$15/year. So to operate in all three modes - fixed, portable and mobile - the yearly fees will be in the neighbourhood of \$265/year. Lets hope that Canada never gets to those rates!

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Simple 'Long-Delay' Timer

By John, VE4OL

The timer described in this article will provide delays that are adjustable from less than one second to more than 24 hours and uses only five components and a CMOS IC. The integrated circuit is a 14521 (or CD4521) which is a 24 stage divide by two counter. Output to Zero

In order to test the timer I used C=1000pf and an led on Q18. It should turn on and off every 14 seconds approx.

Table of results

C	Freq	Q18on	Q24on
.001uf	1873Hz	14 sec	14 min, 36 sec
.01	2240	117sec	124 min, 48 sec
0.1	218	21min	22 hrs, 24 min

The table indicates (approx) results I obtained. Bear in kind that the 'RL' oscillator will vary in frequency with voltage and capacitor tolerances and change with temperature. If accurate time delays are required the 'RL' oscillator can be changed to a crystal oscillator as outlined in the data book.

Flea Market Shopping

Submitted by Alan, VE4YZ

With the W.A.R.C. Flea Market happening this month, I thought it would be best if the novice (or seasoned) shopper had a little guide to help them understand those high pressure sales techniques that during the haggling session of a typical WARC flea market.

Fleaspeak

English Translation

This rig puts out a BIG signal

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Ernie Vosper

Ph:(204) 261-3099

It's 50 kHz wide.

This is a really good CW rig.

It doesn't work on SSB.

This is a really good SSB rig.

It doesn't work on CW.

This is a really good rig.

It doesn't work on CW or SSB.

The transmitter is outstanding.

It doesn't receive.

The receiver is really hot.

It doesn't transmit.

This rig is really hot.

It's stolen.

It seems to be a vintage regenerative type.

It oscillates.

I just retubed it.

Got 'em from questionable used tube stock.

I just aligned it.

The slugs on the transformers are jammed.

I don't know if it works.

It doesn't work, probably never has.

It doesn't chirp.

It doesn't chirp because it doesn't transmit.

The audio sounds great.

The 120Hz buzz is faithfully reproduced.

I just had it serviced.

I sprayed WD-40 over all the wiring.

It comes with the original box.

Just brush out the kitty litter.

Better buy it now, cause it won't last.

No transaction needed.

Sure, it works at full power.

It sucks all it can from the wall.

This rig has wide frequency coverage.

It drifts up and down and out of band.

Frequency stability is great.

The VFO doesn't work - you'll have to use crystals.

Real popular rig in its day.

There were whole HF nets on the repair and maintenance problems.

QST gave this one a really great review.

The language broke new ground for profanity.

It might need a bit of tweaking.

Marconi himself couldn't fix it, much less align it.

It was used in government service.

It was stored outdoors on a wooden pallet.

The dial drive may need lubricating.

The gears are stripped and the setscrews frozen.

I plugged it in to check that it lights up.

The light came from the two foot high flames.

I'm selling it because I have two of them.

I'm getting rid of my parts radio.

You won't find one at a better price.

Better from the point of view of the seller.

This is a collector's item.

The manufacturer just went belly up and won't honour the warranty.

It came from an estate sale.

If you have any problem take it up with the owner.

I had it on the air just last night.

And you thought the woodpecker was gone.

It worked last time I used it.

If it still worked I'd still be using it.

The only lightning damage was a fuse.

The only lightning damage I recognized was a fuse.

I have the [...] somewhere. I'll send it to you.

You'll never see the [...].

I'll help you carry it to the car.

I'll do anything to unload this boat anchor.

It works ok on 80 meters.

It had some parasitics, but I got in and really screwed it up and now I want to unload it.

The tubes used by this rig are worth the asking price.

The rig uses a rare 7360 beam deflection tube for a balanced modulator, but it's blown and you'll spend \\\\$80 to get a new one.

This is the rig of my dreams. I really wanted one of these as a kid, but now <snif> I've got to let it go.

As I've gotten older, I've learned what a hunka junk it is.

The signal quality of this rig was easily recognizable in its day.

The high distortion and bad audio quickly identified this rig.

This rig will bring back the feelings and atmosphere of vintage ham gear.

The by-pass capacitors to the AC line put enough voltage on the chassis to give you a shock in the lips through the microphone, and it smokes so bad when you turn it on that you'll probably start coughing and wheezing.

I'd keep this baby, but my wife is making me clean everything out.

I finally got around to giving this thing the proverbial heaveho.

There are a couple of other people interested in it.

Someone sat on it to tie his shoelaces while walking past the table.

You'd better buy it now, because I'm leaving soon.

The previous buyer and his brother, Guido, are heading back toward the table and they aren't smiling.

Hints & Kinks

By Ralph, VE4RY

You can often remove small scratches and restore the original lustre to plastic materials such as meter faces and handie-talkies by using toothpaste, a soft cloth and a bit of elbow grease. And, the cheaper the toothpaste, the better, it seems. Smile!

RAC Report from Midwest Director

by Dave Panting, VE4EF

On April 18, 19 and 20 I will be attending the annual RAC Board of Directors meeting in Ottawa. At that time we hope to officially adopt the constitution for the Amateur Radio Administrative Service (ARAS), which will distribute call signs, etc after delegation from Industry Canada. The Board of Directors will also be electing the RAC Executive for 1996-97. On Sunday, April 21 the annual general meeting of RAC takes place.

If any of you have comments or opinions you would like to express regarding RAC business for the coming year, please communicate them to me prior to April 12.

A N.I.C.E. ANTENNA NEAT, INEXPENSIVE, COMPACT, EFFECTIVE

by Tom, VE4AKI

If you have recently upgraded to H.F., or are looking for a basic antenna for the 80 m. band, this antenna may be of interest to you.

Two basic antennas popular on H.F. are the half-wave dipole and the quarter-wave vertical. A full size dipole for 80 m. is approximately 40 m. [130 ft.] in length and a quarter-wave vertical for this band is approximately 20 m. [65 ft.] high. Both these antennas may be difficult to erect on a typical city lot. A dipole mounted at a height of one quarter wavelength may

exhibit a bi-directional pattern but a height of 20 m. is hard to attain on a city lot unless you have some tall towers or masts. At heights less than this a dipole will exhibit a more or less un-directional pattern as well as a high angle of radiation. A low angle of radiation is desirable for more distant contacts.

A vertical antenna with an efficient ground system exhibits a uni-directional pattern with a low angle of radiation. A vertical antenna is also easy to put up if ground mounted and does not require much space. The following design is the result of many experiments with vertical antennas conducted over the last 12 years.

Obviously, a full quarter-wave vertical for 80 m. is a pretty tall structure. It can be unwieldy to erect and support. This design uses both top and bottom loading coils to reduce the physical height while maintaining the electrical length to achieve resonance. A capacitance hat is also used to add to the top loading and the bottom coil also assists in achieving a good match to the feedline. A full quarter-wave vertical exhibits a feed point impedance of about 35 ohms. This gives a reasonable match to 50 ohm co-ax feedline. But, as a vertical is physically shortened the feedpoint impedance decreases. This increases the mismatch and makes some sort of impedance matching device imperative to keep losses to a minimum. The efficiency of an antenna is found by dividing the radiation resistance by the ground resistance. As radiation resistance gets lower the efficiency drops especially with a poor ground.

The upper coil adds loading to the top of the antenna and helps to maintain the efficiency at a reasonable level. The capacity hat on top adds capacitance also increasing the loading. The bottom coil serves a dual purpose. It loads the antenna as well as providing a means of matching the feedline. Adjustment of the taps allows us to achieve resonance and a good match to the feedline.

Now, what about the ground system? First of all, a single ground rod at the base of the antenna constitutes a very inefficient ground system. It is imperative that you reduce the ground resistance to as low a value as you can to maintain the efficiency as high as possible. If the antenna is ground mounted this means getting as much "metal" under the antenna as possible. This is usually achieved by a ground screen or a system of radial wires. So, how many radials are enough? Well, with verticals, you can never have enough radials. So, how many are needed for good results? Well, that depends on ground conductivity. I haven't conducted any tests on ground conductivity, but from experience I have found that a minimum of 15 radials will yield good results. But, more is better!

How long should the radials be? Ideally, they should be one quarter wavelength long. This can be achieved on a standard lot by bending them to fit the lot. Put as many radials down as you can and make them as long as you can. They don't have to be all the same length and any gauge wire will do. Hide them as well as you can ie. behind bushes, in the lawn, along the foundation of the house, etc. Insulated wire will last longer whether above or below ground. If you bury your radials don't bury them very deep. Also, connect any metallic objects nearby into your ground system ie. fence posts, window wells, ground rods.

My vertical is ground mounted in the center of a 20m.x33m. backyard. I have about 30 radials of various lengths covering the yard under the snow. This puts the antenna in the clear, an ideal situation. It is guyed with three guys at about the 5m. level and has withstood some pretty stiff winds. If you do not have this much space, you can mount it up against your house and eliminate the guys. Make sure it does not come near any metallic objects such as gutters. The omni-directional pattern may be somewhat distorted in this configuration.

Once your antenna is erected and the ground system installed its time to tune it up. The tuning procedure is not difficult but may try your patience. A noise bridge or dip meter are two instruments that would be helpful here but you can achieve good results with a SWR meter and a small amount of RF.

Start by setting the top tap about 10 turns down from the top of the coil and the lower tap about 10 turns up from the bottom. Do an SWR check across the band at 50 kHz. intervals and record your readings. If you get a dip in SWR note at what frequency it occurs. Move the taps as necessary to lower the dip and move the frequency of the dip to your preference. Moving the upper tap up will lower the frequency and vice versa. Moving the lower tap will adjust the match but will interact with the setting of the upper tap ie. will change the resonance point. A bit of trial and error adjustment may be needed to set the taps, so be patient.

Once the antenna is tuned to your satisfaction complete the installation by weather-proofing all the connections. Once the tap positions are found, solder them. Cover all connections with co-ax seal or a similar product. Don't use ordinary silicon sealer! it's corrosive. Acrylic spray is also useful in preventing corrosion. A large plastic soft drink bottle makes a good coil cover. Route your co-ax into the shack and keep it off the ground, if possible.

Well, there it is, a good performing, inexpensive and easy to make vertical for the 80m. band. This same

antenna design can also be use for other bands by simply increasing the size of the lower loading coil. Contacts have been made out to about 1900 km. using between 5 and 25 watts output. Good signal reports have been received. Not bad for a few dollars and a few hours of time in building and installing this antenna. It shows that you can get out on the 80 m. band with a simple compact antenna that will f it on a standard lot that you can afford to build and install.

Basic Info for Non-ARES Operators

by Jeff, VE4MBO

Basic Information for non-ARES Amateur Operators Assisting Winnipeg ARES during Emergency Situations.

- %o Winnipeg ARES station the City of Winnipeg Emergency Operations Centre is VE4EOC.
- %o City of Winnipeg is our primary "client"
- %o Winnipeg ARES members have been issued a green colored, laminated photo-identification card known to authorities.
- %o Only Winnipeg ARES members will operate station VE4EOC.
- %o training operations or drills will clearly specify such during Net Control script.
- %o Winnipeg ARES Emergency Co-ordinator or Duty Co-ordinator will be the ARES Commander during an operation. member functioning as the ARES commander is the ARES BOSS during his/her shift.
- %o During unusual or protracted operations non-ARES operators likely will be invited by Net Control or ARES Commander to assist.
- %o If a call for assistance is issued volunteer operators will be directed to another frequency for briefing and scheduling of assignments.
- %o During a state of local emergency registered volunteers are covered by Workers Compensation Board of Manitoba benefits.
- %o do not self-assign yourself or attend emergency sites unless dispatched by Net Control or the ARES Commander.

**WARC Ham Radio
Mall Display**

**St. Vital Centre
Apr 29 - May 2**

**For more info Please contact
Ed Henderson, VE4YU**

%o Do not transmit your opinion or personal observations unless requested. if you are sending personal observations please specify.

Bare Bones Equipment:

- Programmed 2m transceiver
- Batteries
- Antenna
- City map (Sherlock Streetguide 1996 edition)
- Operators Certificate & Station Licence
- Writing instruments and note paper

Primary frequencies

- Wpg 147.390+ WNR 145.350- CNR 146.670-
- MAN 146.610- Natl Sx 146.52 TWO 146.910-
- portable repeater

Cute Quote

Stolen from tag line of -Carl Makin (VK1KCM)

'The entire concept of daylight savings time is like trying to make yourself taller by cutting off your head and standing on it.'

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Specializing in service and repair of Communications equipment, two-way radio and marine electronics. We invite all our friends and customers to drop in and visit. Please call Gerry, VE4ACE for more information. See our ad in the 1995 Fall blue book (inside rear cover).

**HF-VHF-UHF
Commercial-Amateur-CB-Shortwave-Scanners
Installations-Repairs-Modifications**

Subject: Brand New Communications Technology,
Feb. 29/96

OTTAWA, February 29, 1996 -- Imagine getting cable TV without cables; or 'beaming' people in by videoconference from their home or workplace; or high-speed Internet access without a phone line -- with Local Multipoint Communications Systems (LMCS), a new wireless communications technology, a whole world of interesting possibilities opens up.

Calling it a breakthrough for consumers and another milestone on Canada's information highway, Industry Minister John Manley today introduced a policy on LMCS and issued a call for licence applications.

Canadian consumers now get a range of broadcast and telecommunications services from their local telephone and cable television distribution networks. Recent breakthroughs in technology mean that each will soon be able to compete with the other in offering a full range of services. LMCS will offer a competitive third choice.

"We are responding swiftly to this new technology so that Canadians benefit from innovative services, market competition and increased choices," said Mr. Manley. "LMCS also give us a chance to consolidate our world leadership position in telecommunications, exporting our knowledge and services to create jobs and growth at home."

Mr. Manley noted that LMCS will create new private sector investments and new jobs, employing 12,000 to 15,000 Canadians within ten years.

The LMCS policy and call for licences is part of the government's strategy for the Information Highway. It is guided by three objectives: the creation of jobs through innovation and investment; the reinforcement of Canadian sovereignty and cultural identity; and universal access at a reasonable cost.

The competitive process for the first round of licences will be open to companies that do not already provide local telephone or cable TV services in Canada. Applicants will be evaluated in part on the extent to which they have invested and demonstrated innovation in carrying out R&D and field trials. Successful applicants are expected to be announced by Mr. Manley during the summer of 1996. Later rounds will be open to all applicants.

The new policy designates six frequency blocks for LMCS, two of which will be opened immediately. The competitive process for awarding the other four

blocks will, for the first time, be by auction. It will take place 18 to 36 months from the date of licensing the first two.

Formal notification of this policy and of the call for licence applications will be published in the Canada Gazette on March 9, 1996. Copies of the policy are available through the Internet:

<http://info.ic.gc.ca/ic-data/telecom/dgse/english/bprs.ttm>
1 Copies may also be obtained from: Industry Canada Communications, (613) 947-7466 For more information or a copy of the backgrounder, please contact: Bill Milliken, Office of the Minister of Industry, (613) 995-9001 Parke Davis, Spectrum Management, (613) 990-7527

Release 7391-e

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

So it can be done if it has to... I am talking about getting articles from the usual crooners (the WARC executive) on time. Just think only 2 days after the last meeting I had the articles. Mind you they may be dated by the time you read them, and they may not have the current information in them, but at least I got them.

Actually, I can't ribbed them this bad, they do get the articles to me in the nick of time each month, but at least I get something from them. Can't say that for most of you out there however !!! Tom's articles are great and he has said that he will produce more of them. but how about someone else giving it a try. The meeting in may will be a Field-Day Primer, how about someone writing a article (not to long , say about half a page, 1 column) on what filed days is about or some old great stories about field day. You know the kind, something about how VE4??? got stuck up a tree trying to get the antenna perfectly resonant, etc... Just about anything related to radio will make it into the newsletter. So put the pen to paper and jot something down.

I have been slowly updating the VE4 Callsign area HomePage up on the internet. Even finally put in a counter. Mind you it only counts if you access it from the internet and not from BlueSky freenet directly, but at least now I'll know how many hits it gets. Bill, VE4LI sent this URL along the other day.

<http://ko4ks.ampr.org/bbs>

He indicates that is not to shabby. I will add it to the other links at the next update. The page is also getting pretty good access from other parts of the world

other than just VE4 area. i know this by the fact that every once in a while someone send me a comment on how great the page is or they send me a URL of their site. One thing that does stand out in the comments is the format that I have chosen. it appears that others will be doing the same or at least taking some of the links that I have found. if you haven't already check out the page, please have a look. the URL is now shortened to:

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

The am stands for amateur, not the broadcasting.

If you notice the front cover you will see that the activities are starting to build up for the summer. One activity that I have routinely helped out on is the Manitoba Marathon, which happens each Father's Day. if you would like to help out with communications please get in touch with either Kay, VE4YF or Roxanne, VE4ZF.

Flood season is now upon us, so please listen to the various nets both on HF & VHF for updates on the situation. ARES members should please take the extra effort to stay informed at this time. Should there be an alert of ARES personnel to assist in Communications of a flood area please stand down you communications so that important traffic can be passed. Please just monitor and listen for calls from net control should your assistance be required. Additional information is elsewhere in the newsletter.

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.

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.