



The **NEWSCASTER**

The Official Publication of the Winnipeg Amateur Radio Club
<http://www.virtualmultimedia.com/warc/>

January 2002

Free to Members vol: 2002-01

Making a Home Page By Marc Bloom, VE4MAB

Date: January 14th, 2002
Time: 7:30 p.m.
Place: Sturgeon Creek Regional Secondary School

Other Important Dates:

Articles: Jan 30th - Article Deadline February Newscaster

WARC: - Feb. 11 - Motivational Speaker, Mar. 11 - VE4SVV,
Apr. 8 - HomeBrew Night, May 13 - Viruses, June 10 - QRP

WSC:

ARES: Monthly Meetings Jan-22 Feb-19 Mar-19 Apr-16
May-21 Jun-26; Exercises - Feb 9 & 10 - Dog Sled Races

Other: Daily 01:00 UTC MB Evening Phone net 3760 KHz
Daily 01:30 UTC Prairie traffic Net (CW) 3660 KHz
Daily 02:30 UTC Aurora #2 net 7055 KHz
Weekdays 9:00am Seniors morning net 147.390 MHz
Wed. 7:00 pm Six Meter net 50.140 MHz.
Thursday 9:00pm MRS Net 147.390 MHz +
Sunday 1:00pm MRS Net 147.390 MHz +

WARC: Executive for 2002

Past President	Norm Coull	VE4EH	885-1692
President	Darcy Wilson	VE4DDW	783-0421
Vice-Pres./ PR	Tom Mills	VE4SE	837-6915
Secretary	Ruthie Maman	VE4CRS	589-6718
Treasurer	Sue Collings	VE4SYM	694-1525
Membership	Mariska Maguire	VE4MMG	256-3143
Program	Glen Napady	VE4GWN	831-8082
Goodwill	Vacant		

News from VE4WSC Winnipeg Senior Citizens Radio Club

These students were successful in writing their Basic Course exams at VE4WSC. They have also obtained their Ham call signs as shown:

Marion Delaney - VE4MED; Nicholas A. Leone - VE4NAL; David Pither - VE4PIT; Jerry Wiebe - VE4JWA; Bruce Dalton Feaver Jr. - VE4BDF; Bradley Wiebe - VE4BDW; Patrick McCarthy - VE4TRW; Lance Waldner - VA4LJW; Roger Lou Froebe - VE4RLF; Brad Crass - VE4BSC; Patrick Torbiak - VE4PST; Wayne Ludman - VE4WKL; Gerard Vautour - VE4ILC.

During 2001, the Seniors' Radio Club has successfully taught 27 students who have obtained their Basic Ham licenses (13), and their Basic +12 wpm (14) upgrades. The Club is going to run an evening CW class (5 wpm), starting in early January, 2002. Those interested should phone Sandy, VE4SZ, at 633-2877.

Annual General Meeting election results

PRESIDENT:	Gil Frederick	VE4AG
VICE-PRESIDENT:	Adam Romanchuk	VE4SN
TREASURER:	Ed Henderson	VE4YU
SECRETARY:	George Gillespie	VE4GNG
PAST-PRESIDENT:	George Moodie	VE4GOM
DIRECTORS (15 elected)		

Bert Andrews, VE4AND; Willard Elliott, VE4WJE; Gladys Haldane-Wilsone, VE4GE; Paul Palace, VE4PXP; Paul Champagne, VE4OPC; Lila Forrester, VE4LIL; Bryan Hodge, VE4IQ; Bill Shipley, VE4BYL; Norm Coull, VE4EH; Harsha Godavari, VE4SAI; Colin McBeath, VE4JCM; Fred Venema, VE4FV; Albert Diamond, VE4AX; Alan Haldane-Wilsone, VE4ALN; Ruth Mills, VE4XYL.

By the way, there was a 'd' left off the URL for my homepage (with link to VE4WSC) - when you printed it in the Newscaster & Repeater newsletters - it is

<http://www.autobahn.mb.ca/~gilfred>

**Minutes for W.A.R.C. December 10th, 2001
Submitted & Composed by Ruthie, VE4CRS**

Twas two weeks before Christmas

and all hams on the air
Were buzzing and chatting about XYL's fare
The sandwiches, punch, and eggnog delight
To be served at the party, WARC's meeting tonight.
The meeting was set, seven thirty exactly

Excitement was high, Tom's van packed so tightly.
Eighty members and guests, VE4's, XYL's,
Arrived bright and early, so the tale tells.
Greetings and laughter throughout the hall echoed,
Introductions and thank-you's immediately followed.
The tables were set and ready to go,
Time for the program; get on with the show!

The nutty Professor with gadgets galore,
Straggled into position, on the grand floor.
Flatus Flotz is his name, and to spy is his game,
Quaker Oats, toilet brush and his nose are his fame.
Not hand-helds, nor DX, nor high-gain antennas,
Just flotzy computer device stuff en masse.

Next up for grabs were the club's intermods
Adam conducting with hands and head nods.
Accompanying them all was the great Mr. Paul,
His guitar and his vocals adding touch to it all.
Nostalgia and Carols and Casey at bat,
Bob Hall introduced them, how we all clapped!

Happy sixtieth Paul, but still more to come,
Our stomachs are rumbling, our feet getting numb,
Name tags, and jackets and officers needed

"We want volunteers", Tom frantically pleaded!

But there's food to be eaten and punch to be drunk,
It's all on the table, no flea market junk.
With smacks of delight we started to eat,
Veggies and pickles and cookies, a treat.
Hot coffee and eggnog and Ruth's famous punch,
Nothing was left for Tom's next-day lunch.

Talking and buzzing and all kinds of static,
Next on the table great gifts from our attic.
The ticket winners came up huffing and puffing,
Flashlights, chocolates and all kinds of stuff(ing).
Dan and Roy and Phil and Colleen,
Louis and Ruth and Bert and Irene,
Linda and Wayne and Glen and YU,
And lets not forget, Mariska and Sue.

So may the minutes be read and the evening be told,
And to members and friends, be they young, not so old,
To all friends anew and all friends from the past,
WARC's famous fellowship forever will last.
We all wish for a future of peace and bright light,
Season's greetings to all and to all a good night.

**From the Planning Chair:
Glen, VE4GWN**

Happy New Years One and all, from the desk of the
Planning Chair:

To start I must first apologize to Ron VE4PL for not
thanking him in the Last News Caster for the wonderful
presentation he gave during the November WARC meeting.
This presentation reminded me and others that being a Ham
is more than just talking on a radio, but also passing on what
knowledge we can. Thanks again Ron!

Now I must thank Pfr. Flotz for his Christmas
presentation. It seems to me that the Pfr. looks somewhat
like David VE4DAR. I must also thank the Intermods their
level of entertainment can never be equaled. Of course a
very special thanks to Ruth, VE4XYL and her helpers for the
excellent snacks that were provided.

For our January meeting Mark, VE4MAB is going to
give us a presentation on the making of a web page. If you
are, or even are not planning to make your own web page,
you may find this very informative. If you don't have a
computer, this may give you a better understanding of the
computer lingo. I hope to see all of you there.

Industry Canada Amateur Centre
Voice 1-888-780-3333 (toll-free)
Fax: 1-613-991-5575
Email: spectrum.amateur@ic.gc.ca
Web: http://strategis.ic.gc.ca/spectrum

Comments or if you just want to reach us :

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Winnipeg ARES Report

by Jeff, VE4MBQ - Winnipeg EC

Our December meeting featured a comprehensive review of WPGARES Call-out Procedures and Emergency Equipment. Unfortunately the majority of new members that were the target audience did not attend. A good discussion of emergency equipment followed the presentation (we dispensed with the business meeting) - thanks to Dick VE4HK and Wayne VE4WTS for assisting me. An encore presentation is being contemplated - no date set just yet.

Our January meeting will be TUE 22JAN 1900h at Sir Wm Stephenson Library 765 Keewatin Street. Wayne Warren VE4WR will be giving us a presentation on the emergency radio system that he is designing for northeast and north-central Manitoba. Please note that the January meeting is the 4th Tuesday of the month not our customary 3rd Tuesday.

Volunteer operators are still required for Festival du Voyager Sled Dog Races 9,10FEB. The ARES volunteer briefing will be TUE 05FEB 1900h at WSCRC 598 StMarys Rd. If you want to volunteer or require more information about what we will be doing please get in touch with me on VE4WPG, or at Saturday coffee-break at "The Arches" or e-mail: ve4mbq@rac.ca

Contest Calendar

January

AGB NYSB Contest	0000Z	Jan 1
SARTG New Year RTTY Contest	0800Z	Jan 1
AGCW QRP Winter Contest	1500Z	Jan 5
ARRL RTTY Roundup	1800Z	Jan 5
Japan Int. DX Contest,	160-40m 2200Z	Jan 11
Midwinter Contest,	CW 1400Z	Jan 12
North American QSO Party,	CW 1800Z	Jan 12
NRAU-Baltic Contest,	CW 0530Z	Jan 13
NRAU-Baltic Contest,	SSB 0800Z	Jan 13
Midwinter Contest,	Phone 0800Z	Jan 13
DARC 10-Meter Contest	0900Z	Jan 13
LZ Open Contest,	CW 1200Z	Jan 19
MI QRP January CW Contest	1200Z	Jan 19
North American QSO Party,	SSB 1800Z	Jan 19
ARRL January VHF Sweepstakes	1900Z	Jan 19
CQ 160-Meter Contest,	CW 2200Z	Jan 25
REF Contest,	CW 0600Z	Jan 26
BARTG RTTY Sprint	1200Z	Jan 26
UBA DX Contest,	SSB 1300Z	Jan 26
Kansas QSO Party	1800Z	Jan 26

February

Vermont QSO Party	0000Z	Feb 2
New Hampshire QSO Party	0000Z	Feb 2
Inter. Winter Contest,	SSB 0001Z	Feb 2
Minnesota QSO Party	1400Z	Feb 2
YL-OM Contest,	CW 1400Z	Feb 2
Winter QRP Field Day	1400Z	Feb 2
Delaware QSO Party	1700Z	Feb 2
	1300Z	Feb 3
Mexico RTTY International Contest	1800Z	Feb 2
North American Sprint,	Phone 0000Z	Feb 3
Six Club 2nd Winter Contest	2300Z	Feb 8
CQ/RJ WW RTTY WPX Contest	0000Z	Feb 9
Utah QSO Party	0000Z	Feb 9
Asia-Pacific Sprint,	CW 1100Z	Feb 9
Dutch PACC Contest	1200Z,	Feb 9
YL-OM Contest,	SSB 1400Z	Feb 9
FISTS Winter Sprint	1700Z	Feb 9
RSGB 1.8 MHz Contest,	CW 2100Z	Feb 9
North American Sprint,	CW 0000Z	Feb 10
QRP ARCI Winter Fireside SSB Sprint	2000Z	Feb 10
ARRL School Club Roundup	1300Z	Feb 11
ARRL Inter. DX Contest,	CW 0000Z	Feb 16
CQ 160-Meter Contest,	SSB 2200Z	Feb 22
REF Contest,	SSB 0600Z	Feb 23
UBA DX Contest,	CW 1300Z	Feb 23
High Speed Club	CW 0900Z	Feb 24
	1500Z	Feb 24
North Carolina QSO Party	1700Z	Feb 24
CQC Winter QSO Party	2200Z	Feb 24

Dayton Hamvention

May 17 - 19, 2002

Dayton Hara Arena Complex

PO Box 964

Dayton, Ohio 45401

937-276-6930

www.hamvention.org

This is the world's largest amateur radio and electronic gathering! It includes 5 indoor buildings and an outdoor swap meet that will take at least a day maybe two to see everything.

Reminder

Homebrew night is just three meetings away - start those projects now.

'Twas the Night Before Christmas

from the Chicago FM Club

'Twas the night before Christmas and all through two meters,
not a signal was keying up any repeaters.

The antennas reached up from the tower quite high, to catch
the weak signals that bounced from the sky.

The children, Technicians, took HT's to bed, and dreamed of
the day they'd be Extras instead.

Mom put on her headphones, I plugged in the key,
and we tuned 40 meters for that rare ZK3.

Then the meter was pegged by a signal with power! It
smoked a small diode and I swear shook the tower!

Mom yanked off her 'phones, and with all she could muster,
logged the signal right now on the DX PacketCluster.

Then I ran to the window, peered up to the sky,
to see what could generate RF that high.

It was way in the distance, but moonlight made it gleam:
a flying sleigh with an eight element beam.

The little old driver, he looked slightly mean. So I thought
for a moment it might be Wayne Green.

But no, it was Santa -- the Santa of hams,
on a mission this Christmas to clean up the bands.

He circled my tower, then stopped in his track,
and slid down the coax right into the shack.

While mom and I hid behind stacks of CQ,
this Santa of hamming knew just what to do.

He cleared off the shack desk of papers and parts,
and filled out my late QSL's for a start.

He ran copper braid, took a big rod and pounded,
'til all of the station equipment was grounded.

He tightened loose fittings, resoldered connections,
cranked down modulation, installed lightning protection.

He neutralized tubes in my linear amp
(never worked right before, now it works like a champ!).

A new low-pass filter cleaned up the TV,
and he fixed all the settings in my TNC.

He fixed the computer that would not compute,
and backed up the hard drive and got it to boot.

Then he reached really deep in that bag he had brought,
and he pulled out a box - a new rig, so I thought.

A Kenwood? An Icom? A Yeasu, for me? If he thought I'd
been bad, it might be QRP!

The ultimate station! Did I deserve this? Could it be all
those hours I worked public service?

He hooked it all up, and then all very quickly,
worked 100 countries all down on 160.

I should have been happy (it was my call he sent),
but the cards and the postage will cost two months' rent!

He finished up, then left a note by the key:
"to a good ham from Santa Claus -- 73!"

Then he grabbed his HT, looked me straight in the eye,
punched a code on the pad, and was gone -- no good bye.

I ran back to the station. The pileup was big,
but a card from St. Nick would be worth my new rig.

Too late, for his final came over the air. It was copied all
over and heard everywhere.

The ham's Santa said what a ham might expect:
"Merry Christmas to all, and to all, good DX!"

53rd Annual International DX Convention

Presented by [SCDXC](#)

April 26-28, 2002

Visalia, CA

Welcome to the Homepage for 2002 International DX Convention held each year in Visalia, California. 2002 will be the 53rd year for the convention, which is presented alternately by the [Southern California DX Club](#) and the [Northern California DX Club](#).

<http://www.qsl.net/visalia2002/>

Volunteers & the Club Executive

By Glen, VE4GWN

This is just a short reminder that June is fast approaching. With June comes the end of the term for all but two members of the WARC Executive, Ruthie VE4CRS. and myself, Glen VE4GWN. This following is just something to read while you think about whether or not to join the executive.

Everybody, somebody, anybody & Nobody

There was an important job to be done, and EVERYBODY was asked to do it.

EVERYBODY was sure SOMEBODY would do it.

ANYBODY could have done it, but NOBODY did it.

SOMEBODY got angry about that, because it was EVERYBODY'S job.

EVERYBODY thought ANYBODY could do it, but NOBODY realized that EVERYBODY wouldn't do it.

It ended up that EVERYBODY blamed SOMEBODY when actually NOBODY asked ANYBODY.

UNKNOWN

So I'm asking all to help out. It was suggested that I add the following:

"If EVERYBODY expects ANYBODY or SOMEBODY to volunteer for the executive and NOBODY does then there will be NO executive and NOBODY to guide WARC and EVERYONE will be disappointed that WARC had to fold because NOBODY was interested in volunteering for the executive."

Remember WARC is your club. The out going members of the executive have done a wonderful job, and will be willing to help all new members, so lets keep our club going, and volunteer to become a member of the executive and keep this club going.

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HINTS & KINKS

By Ralph, VE4RY

300-ohm twin-lead J-pole antennas are very popular on two meters, and are an ideal accessory for use with handhelds.

Most designs I've seen suggest leaving the top end of the two connectors open. This is based on the fact that since the two radiating wires are parallel to each other, it makes little difference if they are shorted or left open at the top.

I used to have lots of spare time to experiment with antennas, and my tests did show one advantage for using the shorted version: greater bandwidth. The SWR at the top and bottom extremes of the two meter band actually dropped a couple of decimal points with the top shorted.

It was also found that when you shorted the top conductors, the top end of the twin-lead also had to be shortened by about 1/4 inch to retune the antenna to it's original point of resonance for lowest SWR [I used 146.520 MHz]. If you simply remove 1/4 inch of the insulation and solder the wires across each other, this is easily achieved. No other re-tuning should be necessary.

[For experimental purposes, an easy way to temporarily short the top wires is to jam a staple into the end of the twin-lead.] As noted, the only improvement I saw was a slight flattening of the SWR and if your J-pole works fine for you, it may be best to leave well enough alone. If you do have the inclination to experiment, you might give my idea a try.

[The British "Slim-Jim" version of our renowned "copper J-pole" employs two conductors shorted at the top instead of a singular open ended one, and this is what inspired my experimentation with the twin-lead version.]



RAC INCOMING AND OUTGOING

QSL BUREAUS

RAC operates the Central Incoming and Outgoing QSL Bureaus. If you do any amount of DXing, you know that you can easily spend hundreds of dollars a year in postage to handle your QSL cards. This service is operated by volunteers and is financed by RAC. To take advantage of the Outgoing QSL Bureau, you must be a member of RAC

WHAT IS THE INTERNATIONAL AMATEUR RADIO PERMIT - IARP?

By Thomas B. Atkins, VE3CDM

Extracted from IARU region II

Four years ago in June 8, 1995 the Inter-American Convention on an International Amateur Radio Permit, IARP, was unanimously approved at the General Assembly of the Organization of American States (OAS) in Montrois, Haiti.

The IARP is similar in concept and nature to the International Driving Permit, IDP with which most of us are familiar, and functions in the same manner as the IDP. which is issued by automobile clubs in various countries. It is valid for one year, and permits temporary operation of amateur radio equipment in countries that are signatories to the Convention and who have also formally acceded to the Convention.

The IARP concept, developed out of a Region II initiative in 1983 when reciprocal operating was first discussed by COM/CITEL (the Executive Committee of the Inter-American Telecommunications Commission - an agency of the OAS).

This eventually led to the Lima Convention of 1987, which permitted amateur radio operation in signatory countries under certain conditions, following completion and exchange of the prescribed documentation.

In its preamble to the IARP Convention the OAS stated "it is convinced of the benefits of Amateur Radio" and agreed "to promote by all means within its power, the continuing developments of communications in the countries of the Americas".

This Convention does not alter or affect any multilateral or bilateral agreements that are presently in force concerning temporary operation in the Amateur Service in CITEL Member States.

The development of a simplified reciprocal agreement for radio amateurs in this hemisphere has been the goal of every Region II Executive Committee since the early nineteen eighties.

It is vitally important therefore that Region II Directors continue to aggressively follow-up this question of ratification or accession of the 1995 OAS Convention, with those administrations that have not already done so. It is only by this latter action by Member States that this Convention will become a practical reality.

Since the IARP Convention was unanimously approved by the OAS General Assembly in 1995, after more than four years, regrettably only the following Member States have acceded to the IARP Convention: Argentina, Canada, Peru, Trinidad & Tobago, United States, Uruguay and Venezuela.

This is an incomplete and ongoing project for the benefit of all travelling amateurs in this hemisphere and for which the active assistance of the Member Societies working closely with their administrations is urgently needed to bring about ratification of this 1995 OAS Convention

Member of the Region II Executive Committee who are listed in this Region II Web Site are available to assist Member Societies. Please contact the Region II Director in your area if you need assistance of any kind.

News from the Net

Afghanistan is Back on the Amateur Bands

Following the fall of Kabul and other Taleban-held cities in Afghanistan, the Islamic Republic of Afghanistan government, which is the government still recognized by the United Nations, has issued an amateur radio club licence, YA5T. The club callsign is being operated by ON6TT, ON4WW, SM7PKK and S53R, who are in Afghanistan working for the United Nations World Food Programme. The ARRL DXCC Desk reports that it has already received acceptable documentation for YA5T and has approved it for DXCC credit.

KOREA P5

RSGB report the rarest DXCC country in the world is "on air".

North Korea, P5, is being activated by Ed, P5/4L4FN. Ed works for the UN World Food Program in Pyongyang and after a couple of years has been finally able to obtain verbal permission to operate amateur radio from North Korea. The operation has not yet been approved for DXCC credit. P5/4L4FN is awaiting written permission from the North Korean government, something that's required for ARRL DXCC credit. His preferred frequencies are 14205 and 28575 KHz and he works 'split', listening higher in frequency. His operating times are typically 1400 - 1500 and 2200 - 2300UTC. Yuki JI6KVR reporting direct to QNEWS and said Bruce, KK5DO, is the QSL manager for P5/4L4FN, has posted a tentative schedule for Ed at

<http://www.amsatnet.com/p5.html> The logs can also be found on this web page. The pileups have been very big and unfortunately the behaviour on his frequency has been really bad. Ed will always be working split. Check your xmit VFO to make sure you are not transmitting on his frequency. If someone uses the wrong VFO and does accidentally transmit on his frequency please do not tell that station over the air. You are just adding to the mess. They will figure it out sooner or later. (rsgb/ji6kvr/arrl letter)

Special Event Prefix starts Dec 12th

Readers of this web site are reminded that a Special Event Prefix has been authorized to be used by all Canadian Radio Amateurs to commemorate the 100th anniversary of Guglielmo Marconi's first Transatlantic wireless transmission. This special event prefix is sponsored by Radio Amateurs of Canada. Special Event Prefixes assigned to this special event will be:

VX for VE's

VG for VA's

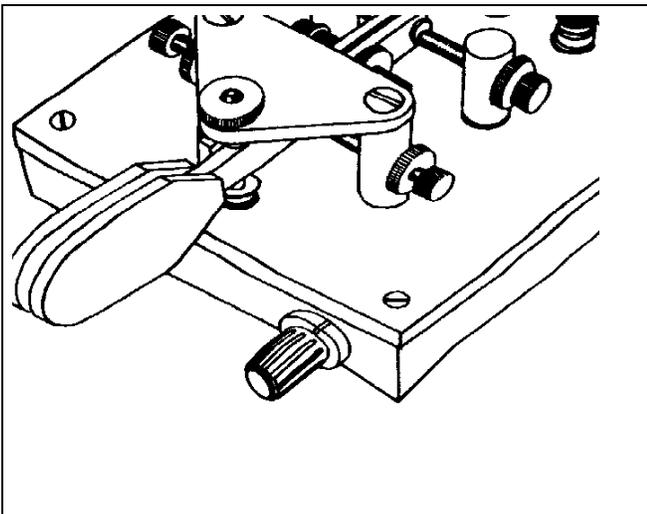
XJ for VO's

XK for VY's

This authority, valid from December 12, 2001 to February 12, 2002 was arranged by the RAC Newfoundland and Labrador Section Manager Joe Craig VO1NA on behalf of the president of RAC.

RADIOGRAM FROM THE PRESIDENT: by Darcy, VE4DDW

No article submitted at the time of producing the newsletter.



Editors Ramblings By Derek VE4HAY

We now have one year under our belt in the 21st century. And it's been an interesting year for the hobby. Code speed requirements have dropped to 5 WPM for full HF privilege, and talk is under way with IARU & ITU to eliminate the code all together. While I may be a little biased on this, I have thought about it for a long time, and not to discredit those with opposite thought, I think this is a good thing for the hobby. Yes it will bring the cooks out and onto the HF bands. But hey, think about it, they could have always been there anyway, CW requirement or not. And as much as everyone says they will accept change, we are always a little leery of it. If things are working ok why change them right. Nice words in theory, but change is good.

So why dwell on what bad could come of this, and start thinking on how you can help to mold the new comers to HF on proper operating technique. In fact, why not bring out of the closet the old idea of being an Elmer for some of these new amateurs who have just passed their 5 wpm requirement, and for those who will be given the HF privilege anyway in the not to distant future. Now is the time to start with the Elmer program. Find a Basic amateur operator and give them the HF bug. Show them what it is all about. How to tune the antenna, (ok maybe not about plate current as most will have synth rigs anyway),. What the band plan is and how to respect it. How to tell when a net is in operation and how not to interfere. Teach them proper ways to make the call and how to respond to a call. Show them what Contesting is about. Teach them how to search and find that rare DX. Tell them about the many awards that are out there that can be goals they could strive for and once won, they become prized accomplishments. Inform them about the National Traffic System (NTS) and how it works and how to get involved with it. Explain how to read the K indexes. What MUF is and how it use it to their advantage. How the bands change with the sun rise & sun set. How to seek and find long haul communication and what is the best time for it. Teach them how CW really does kick-ass when conditions are bad and phone just won't cut it. Work with them on how to choose their first HF rig, what to look for, what they need, and what they can do with out. These are just a few of things that you, one of our most experienced operators can do for the hobby. So why sit there and grumble about the HF requirements getting to lax. Why not do something about it. Since you can not fight change and win, why not work with it and help to mold it to where you want it. Remember only you can prevent RF burns. (hi, hi)

Help wanted

Anyone get a new digital camera for Christmas this year? Well I have a project for you. I need pictures for the newsletter. Preferably Radio related shots and a short article to support the picture. I also need thumbnail size mugs shots of people who submit articles (including the executive) so I can post their pics beside their articles and reports. Anyone care to help me out here? You see Santa brought me another lump of coal and I am still squeezing my butt cheeks trying to turn it into a diamond for the XYL's ring.

Did you know

<http://www/ve4.net> is now back on the net once again. VA4LES is trying his best to get all the sub pages up to date. So if you know HTLM why not ask him to send you a small piece of the site and help him out. He has taken on a great project, I think it would be great if we banded together and all pitched in to help.

The club is still looking for a person or persons to take over the Manitoba Marathon coordination duties. Both Kay, VE4YF & Ralph VE4RY have been doing this for a number of years and VE4HK did it before them. It is not that hard a job, but they do need a co-ordinator, so if you are up to it, contact the Executive (numbers are on page one).

That I am completely out of articles for the newscaster. It's a new year, and with that come new resolutions, so why not make one you will keep and write me that article you keep promising that you would do.

That we have a new place that is printing the newscaster. They are doing us a big favour and we need to show them some gratitude for this. So when you see Tom, VE4SE, ask him where he gets the printing done these days. And just keep watching the newscaster, soon I will even publish a short piece on the printing house we use.

73 and welcome to year two of the new century !

The Winnipeg Senior Citizens Amateur Radio Club, VE4WSC,

Is proud to announce a Morse Code class starting Tuesday, 8th Jan. 2002 at 7:30 PM and running until 9:00 PM each and every Tuesday (unless changed by the instructor) until such time that it is felt by the instructor that the class will pass the code exam. Cost is \$10.00. This class will concentrate on ensuring the class attains the 5 word per minute minimum requirement. This class is open to the general public, amateur or non-amateur with priority being given to club members. For further information, or to register for the course, contact Sandy Sandwith at 633-2877 or by email at ve4sz@rac.ca.

Kenwood "Fall Sale"

HF Rigs

- ★ TS-2000S..... HF+6M+2M+70CM\$3399
- ★ TS-870S....HF DELUXE\$2899
- ★ TS-570S/G.....HF+6M\$1799
- ★ TS-570D/G.....HF W/TUNER.\$1599
- ★ TS-50.....COMPACT HF\$969

Mobiles:

- ★ TM-D700A....DUALBAND W/TNC\$949
- ★ TM-V7A...DUALTX,RX\$669
- ★ TM-261A....BACK LIT MIC, 2M\$299

Hand-helds:

- ★ TH-G71A.... DUAL BAND, 5W\$339
- ★ TH-D7A....2M/70CM W/TNC\$539
- ★ TH-22AT..2M HANDY\$239
- ★ All Kenwood Accessories 25% Off Regular List Price.

All prices listed are cash, money order, cheque discounted. Visa/MC purchases add 3% to the total. No Exceptions.

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