



# News caster

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

November 1997

## T.B.A.

Date: **November 8th, 1997**  
Time: 7:30 p.m.  
Place: Sturgeon Creek Regional Secondary School

### Words from the President of WARC: by Norm, VE4EH

Greetings to all! Another flea market now belongs to history, and I must thank the many volunteers that laboured on the myriad of tasks required to produce a successful event. Pat VE4PLG, Dan VE4SYG and Ruth VE4XYL deserve special mention and thanks, for without their dedication and focus, the flea market would enjoy a lesser reputation.

Following the Annual General Meeting (20 Oct 97) Don VE4DJM the Manitoba Emergency Co-ordinator (EC) presented an outstanding summary of amateur radio's contribution to the Red River flood of 1997. If I were to pick one word to summarize the presentation, it would be CO-OPERATION, both within the amateur world, and between all agencies involved. There were of course minor technical, and co-ordination difficulties mentioned. However, two points should be made to the membership at large. In any disaster response situation volunteers should come forward when requested, well in advance of the pending disaster. This would then facilitate training, briefing, and scheduling as required. The second point revolves around our HF capabilities and our ability to deploy to northern locations in response to an emergency. The problem appears to be systemic and focuses on the perennial question; Whether CW should be retained as the gatekeeper for the HF bands? Don, on behalf of the membership, I thank you for the summary of lessons learned, and I hope we give them the consideration they deserve, in order to enhance the hobby of amateur radio for future generations.

I would now like to digress somewhat and remind the membership that the flood is not yet over for many people in the Red River valley. With Christmas rapidly approaching WARC has been asked if we can help make this time more enjoyable, and less worrisome for approximately 300 families still out of their homes. There are many families in which the children will not receive gifts because all of the family income has gone to rebuilding the home or business. If you wish to assist these families, bring any of the following items to the November and December general meetings and the executive will deliver them to the agencies

### Other Important Dates:

Articles: Nov 25 - Dec Newsletter  
WARC: Nov 8 - Meeting Topic Survey  
Dec 9 - Meeting- Xmas Party  
WSC: Nov 13 - Breakfast Meeting  
Dec 11 - Xmas Party  
ARES: Nov 18 - Meeting  
Other: Nov 5-11 - CKVN on the air  
Nov 16 - Dec 20 - CKVN on the air

WARC: Executive for 1997-98			
Past President	Richard Kazuk	VE4KAZ	895-4778
President	Norm Coull	VE4EH	885-1692
Treasurer	Rick Lord	VE4OV	275-6980
Secretary	Ruth Mills	VE4XYL	837-6915
Vice-President	Larry Burkhardt	VE4LRB	487-0509
Program	Dave Wood	VE4KU	895-7067
Membership	Dan Michaelis	VE4SYG	339-3018

concerned. We are looking for donations of non-perishable food (i.e. Cranberry sauce, stuffing, flour, sugar, cake mixes, etc.) or new unwrapped toys or if you wish a cash donation.

**Winnipeg Senior Citizens Radio Club**  
**Edited by Gil Frederick, VE4AG,**  
**Len, VE4LEN & Paul, VE4OPC.**

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Our next breakfast meeting will be held at GARDEN CITY INN on Thursday, November 13th, beginning at 9:00 a.m. We have a large quiet room to ourselves, there is lots of parking, and the food cost is low. Let's get to know one another better; and bring a friend. Len will have the latest copies of "The Social News" available for your reading pleasure. At the October breakfast, Keith, VE4BC attended, and appeared to be in fine spirits.

Here is a special NOTICE re change of address for this year's Christmas Party. Because of a substantial increase in the rental fees at the St. James Civic Centre, we have had to change venue for this annual event. It will be held on December 11th at the ROYAL CANADIAN LEGION, Henderson Highway Branch 215, at 3600 De Vries Ave. in East St. Paul. There is lots of parking space, and the hall will seat 146. A kitchen is available, and there is an elevator for those requiring it. Entrance to the eating area will be AFTER 12 p.m. (liquor regulations), and we have the hall until 3 p.m. Volunteers are needed for setup and takedown. Also, you are asked to bring goodies, etc. (check with the club as to what is required). If you plan to attend, register by phoning 233-3122, giving total number in your party so we know how many to prepare for. And here are the DIRECTIONS: North on Henderson Highway, heading for the Perimeter. Just before the Perimeter, turn RIGHT on De VRIES. If you are coming via the Perimeter, take Henderson Highway exit south, and turn LEFT on De Vries.

Len, VE4LEN and Mabel, VE4MPE (your Social Committee Co-convenors) wish to thank all those who helped to make the Fall Picnic at St. Vital Park a success again. 85 attended, and the weather was perfect! Special thanks go to Alf, VE4ALF for superb corn cooking; to Arch, VE4AAI and his XYL Noreen for cooking the hotdogs; to George, VE4GJF for cooking the hamburgers; to Lila, VE4LIL



for help in setting up the tables with the extras; and Tom, VE4TSM for his great job in handling the Bingo games (22 prizes were won by players). Thanks to Roy, VE4ROY for setting up the radio site, to Ed, VE4YU for supplying the delightful music. To Albert, VE4AX, Arch, VE4AAI and Ed, VE4YU for the use of their barbecues- thanks. And thanks to all who made an effort to come out.

The classes at the Club continue. The computer class with Harsha, VE4SAI, is now finished. 8 attended (3 from the Club, and 5 from the Age and Opportunity from across the street). There is a packet BBS now operating out of the club rooms, with callsign VE4DRM, using equipment on loan from the dormant Winnipeg DX Club. The frequency is 145.01 if you want to connect to it. Adam, VE4SN has announced that shortly it will have a DX Cluster operation. Minutes of meetings are available here.

We welcome (officially) Henry Briand, VE4HCB as a member of VE4WSC. Also, Vic Shortt, VE4VIC, of Lynn Lake has also been accepted for membership.

Permission has been granted to the Winnipeg Amateur Radio Club to use a space at our Club to hang the OSCAR plaque.

That was a fine picture of our member Ed, VE4BI, with his new dog guide 'Fleetwood' that appeared in the Times, along with a short covering article.

Thanks to Lila, VE4LIL, the Club now has an Explorer antenna.

We are looking for replacements in three areas: Scott, VE4SM wishes to vacate his position as Phoning Committee Head; and Len & Mabel wish to relinquish their posts as Co-convenors of the Social Committee. Bill, VE4WU has asked to be relieved of his responsibility as equipment appraiser and as a duty officer. The club has 176 members currently on record.

The Honour Roll Wall of Fame is now in place. Alf, VE4ALF officially dedicated the Honour Roll Project. Currently, 12 framed certificates now hang, and it is expected that at least 2 per year will be added.

"Sparks", the periodic newsletter from the Club, is being prepared by Gil, VE4AG, and will be mailed to all members of record, about the middle of November. It will include the draft of the amended Constitution, which all members are asked to read very carefully, as they will be voting on its acceptance (or rejection) at the Annual General Meeting in December. Your Constitution Committee of 7 members feel that this represents a workable constitution that will serve our Club well for a long time, and we urge all members to approve its acceptance.

The Nominating Committee of 2 - Adam, VE4SN and Jeff, VE4JEM, will be calling members soon. If you feel you'd like to take a more active role in the operations of the Club, and wish to have your name placed on the nominations' list, please get in touch with either one.

The 2nd phone line has now been installed in the club, to be used strictly for digital work - it will be unlisted.

If you want to buy a Blue Book (Manitoba Amateur listings), they will be available at the Club. Price is \$10.00. Phone 233-3122 to have a copy reserved.

## **RAC Bulletin # 30E**

**Reply-To: rachq@king.igs.net**

### **OPERATING PRIVILEGES ON 10 METERS**

RAC increasingly has been receiving questions concerning the operating privileges available to those amateurs having only a Basic certificate. These questions and their answers have been added to the Frequently Asked Questions (FAQs) on the RAC web site at <http://www.rac.ca>. The answers have been verified with Industry Canada headquarters. Amateurs are again reminded that while RAC endeavors to help with questions, the regulatory authority is Industry Canada, and not RAC.

Radio amateurs should note that:

- Amateur radio operators having only the Basic certificate cannot operate on 10 metres on any mode. To transmit on 10 meters, an amateur must have both Basic and 12 wpm certificates. This includes the FM repeaters between 29.5 and 29.7 MHz.;
- Amateur radio operators having only the Basic certificate can operate on a voice repeater which inputs on 2 meters and outputs on 10 meters. The 2 metre voice repeater which outputs on 10 meters would be licensed to an amateur who also would have the qualifications necessary to transmit on 10 meters, and who would be in control of the repeater.

It should be noted that the installer/operator of the 10 metre repeater plays a key role in this type of operation. In order to install and operate a repeater on 10 meters, the repeater licensee must be the holder of the Basic, 12 wpm and Advanced certificates.

The licensee is permitted to link with a repeater which is operating on other bands, i.e. 2 m or 70 cm. However, the licensee of the 10 metre repeater is forbidden to retransmit radiotelephone signals on the amateur allocations below 29.5 MHz of another station that is not similarly qualified. In other words, if someone wishes to repeat another station's radiotelephone transmissions on a frequency below 29.5 MHz, the person doing the repeating has the responsibility to ensure that the operator of the originating station is

similarly qualified to operate on that band. Thus, in a roundabout way, the regulations permit the retransmission of Basic-only signals within the generally accepted amateur 10 metre repeater subband (29.5 to 29.7 MHz); and

- Amateur radio operators having only the Basic certificate can be the licensee for a digital repeater on the VHF and higher bands. The Radio regulations stipulate that only for a radiotelephone (voice) repeater must the licensee be an amateur with an Advanced certificate. Because of the shortage of repeater frequency pairs in many areas, RAC requests that amateurs wishing to set up a repeater or other fixed-frequency system of any type coordinate their requirements with their local repeater/frequency coordination council.

## **ARES Committee Report**

**by Jeff, VE4MBQ - Winnipeg EC**

Our last monthly meeting was very well attended with OVER HALF of the membership in attendance. Larry Neufeld VE4CPU provided us with a very interesting if not entertaining account of what he and Allan Gates VE4LOM encountered while on ARES communications duty in Ste Agathe during Spring Flood 97.

The 1996-97 Winnipeg ARES Executive was re-elected as the 1997-98 Executive by acclamation:

PRES	Richard Kazuk, VE4KAZ
VP	Tom Mills, VE4SE
TREAS	Jim Ross, VE4AJR
SECR	Keri Kazuk, VE4KER
FUNDRAIS	Robert Stegmaier, VE4RST.

Have you ever thought of organizing a party that no one showed up for? A similar thing happened to our 1997 Simulated Emergency Test (S.E.T.) - we had to cancel BOTH parts because of lack of interest. This year's S.E.T. would have provided us with valuable information had more Winnipeg ARES members given the S.E.T. dates more consideration. While the nature of the exercise was not published in advance the date was certainly public information, it was advertised at or in:

19AUG97 WARES Meeting  
 16SEP97 WARES Meeting  
 21OCT97 WARES Meeting  
 20OCT97 WARC Meeting  
 OCT97 "Newscaster"  
 OCT97 Poster at WARC Fleamarket.

It was quite disappointing to put in many hours designing a useful and different exercise to have it flop. If nothing else I at least have one exercise on the shelf ready for use - if I get brave enough to call one.

Thanks to Alf Keber VE4ALF for allowing our control group to utilize the WSC facility (albeit for only a very short

time), the ARES control group: VE4s AJR, HAY, KAZ, MBQ. Special thanks to those members who WERE AVAILABLE: VE4s AJG, HK, MMG, VID.

Stan VE4AFJ has recently retired from Winnipeg ARES, thanks again Stan for your help during the flood.

The next meeting is Tuesday 18NOV97, 1930h at Sir Wm Stephenson Library 765 Keewatin Street. Gord Snarr VE4GLS will be sharing with us some of his experiences as South Central ARES Emergency Coordinator at "ground zero" of the Spring Flood 97.

### **The WARC DX SLEUTHS Report** **by Ed, VE4YU**

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Another month has passed and DX conditions, although erratic, continue to offer some good DX. For the VK/ZL contest, conditions were definitely not great. On the phone weekend, I only worked 6 VKs, 1 VR6 (Hong Kong) and 1 YC9 (Indonesia). However, these contacts were all made on 15M. The RSGB 21/28 contest was a bust as was the VK/ZL CW contest.

Conditions for the very popular CQWDX contest, October 25/26, were reasonable and there was no lack of stations to work since in this one you can work anybody, including the many USA stations. Yori, VE4ACX, and myself, took part in the contest from the mobile to and from the St. Paul Mn hamfest. Through the noise generated by the ignition and static buildup on the antenna (usually around S8) we worked about 100 stations including VK4DZ and NH7A on 40M. Most DX stations worked were in the Caribbean or South America. Some exotic prefixes were evident such as ZX/LS/YW/PQ and L70. The new 1x1 calls in USA such as K4K and W2A were also worked easily.

A correction in my description of the Winnipeg DX Club is due. I have been informed that the club is 'dormant' not 'defunct'.

Field Day results in November QST show that WARC was fifth in Canada out of 24 Canadian entries in the 3A category.

The VE4DRM DX Cluster/BBS is functioning at VE4WSC with a new antenna on loan from Yori and a better location at the club. If you work DX, hook up at the same time to VE4DRM and enter or wait for DX spots by the other users. To see the DX spots, keyin 'SH/DX' and to enter a spot, keyin DX 'DX CALLSIGN (eg VR3XX) FREQ (eg 14.025) + COMMENTS' You will also find information on the Winnipeg Senior Citizens Radio Club activities. Feel free to check it out at 145.01 (c VE4DRM).

Some stations worked during the past month were:  
4U1WB (Washington DC) PX5JP (Special for Pope's visit) YC9WZJ (Indonesia) VR97BG (Special Hong Kong prefix) HK0HEU R1ANF (South Shetland) HK0ER P29AS (New Guinea) 7X4AN (Algeria) TZ6TT (Mali) ZD8Z (Ascension) V47KP (St. Kitts) ZL1BSG and JAQ3DLE/1 (RTTY). All these were worked on 15M. Who sez the bands are dead!

Coming in November:

November Sweepstakes CW	Nov 1-3
Worked All Europe - RTTY	Nov 8-9
Japan International DX Phone	Nov 8-9
OK/OM DX CW & SSB	Nov 8-9
November Sweepstakes Phone	Nov 15-17
IARU Region I 160M CW	Nov 15-17
CQWDX CW	Nov 29-30

### **MINUTES for W.A.R.C. October 20, 1997** **Submitted by Ruth, VE4XYL**

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Meeting was called to order at 7:35 PM. Fifty six members were in attendance and all introduced themselves

Moved by Dick VE4HK, seconded by Dan VE4SYG that the minutes be accepted as printed in the newscaster.

#### **Business arising:**

Rick VE4OV has made the necessary arrangement to have Gary VE4YH audit the treasurers books.

#### **Correspondence:**

Letter from Industry Canada re the suspended individuals. They will be able to reapply for their license within one year. A petition is still being circulated for signatures of interested Hams in regards to the above matter.

#### **Treasures Report:**

Current balance as of Sept. 30th is \$4062.60 . In comparison to Sept. 30th /96 the balance was \$4165.00. VE4MP's question on some of the clubs finances to be invested or given as a donation was discussed with the executive and a decision was made to continue as we have been in the past. WARC's expenses amount to approximately \$4000.00 a year.

#### **Program:**

Lee said the program for November is to be announce. He also reported that CKVN fm will again be on the air Nov 5th to 11th and Nov 16th to Dec 20th. Also Lee will have a questionnaire at the Nov. meeting re ideas from the members about future programs.

**Membership:**

Dan.. Fifteen people renewed their membership at the Flea market. To date only half of the club members have renewed their membership out of 260 members.

**ARES:**

Jeff VE4MBQ reminded ARES members and others that maybe interested that the ARES meeting will be held Tues. Oct 21, at 7.00pm at the Sir William Stevenson Library. An emergency planned exercise is scheduled for Sat. Oct. 25, at 13:00 hrs.

Jeff VE4MBQ, made the following request. About 300 families, flood victims, are in a very serious and depressing circumstance s having lost everything in the flood. With the festive season just around the corner, it was agreed by all that we donate toys, dry foods etc. at our Nov. meeting to help these needy people.

**35th International Ham Fest:**

Pinawa has reported it is unable to co-host due to very few members. It was agreed that WARC do this on its own. An organizational meeting will be held on Nov 1st in Rugby ND. Tom and Ruth Mills will attend and bring back the list of WARC's responsibilities. A committee then will be set up and asks for everyone's support to see this function runs smoothly.

**Flea Market:**

Pat VE4PLG, reported as being very successful. 289 people attended and the total profit was \$571.10.

**DX Sleuths:**

Adam, VE4SN reported on their meeting prior to WARC's. DX has really picked up with excellent signals. There is a DXpedition on Chatam Island, which is between Australia and New Zealand. Encouraging all DX'ers to tune in.

**RAC:**

Rick VE4OV. Jan Schippers, VE4JS has been appointed as section manager of Manitoba. RAC is really looking into dealing with Industry Canada on the issues of jamming and other interference. They are trying to establish a method of looking into the idea of the offenders being fined or ticketed.

**New Business:**

👉 Oscar award to be presented at the Christmas party. Motion was made and withdrawn, that the president, past recipient and 3 active WARC members to select the

recipient of the award. Norm to recheck the bylaws and constitution and will be reconsidered at the next executive meeting.

👉 Ed, VE4YU extended a reminder of the St. Paul Minn. Ham Fest to be held Oct. 25/97

👉 Ed, VE4YU asked that serious consideration be given by all members about holding a combined Flea market and a Ham Fest in 1999 in Winnipeg. Mike, VE4MJM supported a one day Flea Market event in Winnipeg. Pat VE4PLG reminded all that to hold a Ham Fest is a very big event to organize.

👉 Second RAC convention will be held in Regina in the year 2000. With Winnipeg being the birthplace of RAC it would have been nice to hold the convention here in Winnipeg, however WARC did not apply to hold the convention here.

👉 Dick, VE4HK reported that the 50/50 draw held at the Flea market realized \$

Don Mckinnon, VE4DJM gave an account of the organizing and operation of ARES during the 1997 flood. A hearty discussion followed on the use of H.F and C.W. Don also described some of the problems ARES could have in getting H.F operators into remote places as well as back up when VHF went down.

Meeting Adjourned 10:15 PM

## WARC membership by Dan VE4SYG

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Thanks to the flea market WARC has a bunch of new members. We sold approximately 50 memberships of which half were new. Only half of the membership has renewed to this date so if you have forgotten to renew "DO IT NOW" as this will be your last newsletter.

The membership prize of a Kenwood TM 261A mobile was won by Adam Novak VE4ANG.

## Upcoming Radio Events

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November

15-17

November Sweepstakes, Phone

## Flea Market Report by Pat VE4PLG

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After a few moments of confusion at the beginning the WARC flea market turned out to be quite successful. The new location seems to work well so the hall has been booked for the spring flea market as well. We had 289 people come through the door. The club made a profit of \$571.10. We want to thank the following people who generously

donated door prizes. Thanks to: Mike Tomkewich VE4TCH, Tom Blair VE4TOM, Dave Snydal VE4XN, Susan Kler VE4SUE, Gary Smith VE4YH, Rick Lord VE4OV, and WARC. Prize list as follows:

Prize	Donated by	Winner
Mobile antenna	40 Channels	Fred Collings VE4TRO
Motion light sw.	Prairie Comm	Al Thoren VE4YZ
Hat and pin	MARM	Robin Ambrose
T-Shirt	Susan Keller	Naty Macabeo
T-Shirt	VE4SUE	Ken Fry VE4KEF
T-Shirt	[Around The world in 80 ways]	Bill East VE4AAZ
T-Shirt		Chito Macabeo VE4PCN
24 hour clock	WARC	Otto Pestyk VE4OKP
RAC Mbrshp	Rick Lord	Lucia Alambra VE4LSA
RF Connectors	Gary Smith	Glen Erb VE4ERB

I would like to thank Ruth Mills VE4XYL, and all the ladies from ARAW who did a wonderful job keeping everybody full of donuts, coffee, drinks and Ruth's delicious sandwiches. Thanks to everyone who gave us a hand with all the jobs that needed to be done to make this a success. Due to the slight confusion at the start of the flea market I was not able to get everybody's name and callsign. So as not to forget anyone I would like to thank everyone who helped. A special thanks to the Phillipino club for coming out and supporting our flea market.

My apologies for not getting all the names and callsigns.

## **IPARN**

### **Submitted by Jack, VE4JA**

Would you believe that a handheld radio can be used to communicate with other amateurs on both coasts of Canada at the same time.

Interested in learning about the Inter-Provincial Amateur Radio Network then check out the IPARN home page at URL <http://www.iparn.ca/>

### **One - Hundre d years of Radio Submitted by Vern, VE4VQ**

#### *Extracted from Quebec Science, January 1997*

It was in 1820 that Orested discovered electromagnetic waves. Following that discovery, many geniuses worked to understand, and use, this phenomenon. Amongst them were Hertz, Lodge, Branly, Popov, Fleming, Marconi and Canada's Reginald Fessenden. There are those of us who would claim

that radio, as we know it today, was due to Fessenden, not to Marconi - but Marconi had a wealthy father!

Fessenden was born in Magog, Quebec. Forced to leave school at eighteen years because of financial constraints, he ultimately moved to the U.S. when his genius was not recognized by Canadian "authorities" who opted for Macroni's system, even though all it could do was send a wave of a single frequency. information was sent, as amateur radio operators still do today, by interrupting the signal to give a series of short and long sounds - the code developed by Morse in 1837. Fessenden's contribution was to develop modulation - the AM with which we are familiar on our own radios.

Between 1899 and 1906, and using a transmitter tower near Niagara falls, Fessenden succeeded in Communicating, by voice, with a boat 16 km away. His microphone was from a telephone, already invented by another neglected Canadian. one of his transmissions brought a telegram from Scotland that let him know that his signals were able to cross the Atlantic as Macroni's had done a few years earlier.

Then it was Christmas eve', 1906. Fessenden was ready to demonstrate his invention to the world. Starting with "peace on earth to men of good will.", he sang and played his violin. the radio operators on some ships of the united Fruit Company, heading for the Caribbean, "could scarcely believe their ears." Fessenden was the first to transmit the human voice.

Being forced to move to the United States (is there anything new under the sun?), Fessenden went on to develop over 400 other inventions amongst which were the galvanometer, the gyroscope, the first photocopyier, a radio compass, and sonar.

The next time you are at a PTA meeting, you might want to check with the Science Teacher to see what is being taught to the next generation about Science History.

### **The History of Amateur Radio Revisited Condensed and submitted by Ed, VE4YU**

#### Part 3

The Canadian Central Wireless Club, formed in Winnipeg in 1911, had 12 charter members. The president, Alex Polson, was a freshman at U of M and club dues were 50 cents a year. There were hopes to form a nationwide amateur radio organization based in Winnipeg. Following the sinking of the Titanic in 1912 and the part played by wireless telegraphy, the Free Press carried an article about

local amateur radio activity that made many people aware of the wireless experimenters in their community. In January, 1912, Kevin Technical high school opened and soon rivaled Central Collegiate as a hotbed of amateur wireless activity.

Most 1912 amateur stations started with the reliable Ford spark coil and a detector composed of a crystal of galena or pyrite on which rested a "cat's whisker" of fine wire. Instruction was available locally at the clubs and from American magazines such as Popular Science, Popular Mechanics, Electrical Experimenter and Scientific American. These, with England's Christmas annuals, Boy's Own and Chums, had construction articles on transmitters and receivers. EICO was the world's oldest radio supply house and was started in 1906 by Hugo Gernsback, who was also editor of Electrical Experimenter and later Radio News. For 50 cents, the Manhattan Electric Supply company would send postpaid in a wooden jewel box, a "genuine galena crystal guaranteed loaded with supersensitive spots".

During WWI, operators on ships in close convoy used buzzers for short range communications to avoid detection of their big spark gap transmitters. The opening and closing of the buzzer contacts caused a spark that generated a signal that could be picked up several blocks away.

Code practice was provided each evening by the 100 KW spark station of NAA, the US government station in Arlington VA. "QST", the general call to all stations, could be heard in CW on 2,500 meters, then a series of dots followed by a long dash to indicate exactly nine o'clock. Crack US Navy brass-pounders sent a news report for ships at sea and a weather report at a steady 20 words per minute.

In 1910, administration of the Wireless Telegraphy Act was transferred to the Department of Naval Service. By international agreement, certain alphabetical license blocks were allocated by the Berne Bureau, a branch of the International Telegraph Union. One of the blocks assigned to Canada was XAA-XGZ and Canadian authorities reserved it for amateur, experimental and training school stations. None of the Canadian Central Wireless Club members in Winnipeg had one of these licenses but instead, the club gave each club member a call letter and a station number for identification. Official records show only one amateur in Manitoba, before WWI, with a license from Ottawa. He was F. A. Anderson, XDZ, of Portage la Prairie.

Wireless telegraphy came to northern Manitoba in 1913 at The Pas with construction of the Hudson Bay Railway. Another call sign block allotted to Canada was VAA-VGZ and these were assigned to land and coastal stations and to ships of Canadian registry. The Pas station was VBM and Port Nelson was VBN. These stations transmitted 10 KW output using a 240 cycle synchronous disc rotary spark gap on 1,800 meters and normal range was 600 miles.

In January, 1914, the Boy's Club of Winnipeg organized a wireless and scientific section with the purpose of giving boys a thorough grounding in wireless. On August 2, 1914, the government closed all amateur and other nonessential stations for the duration of the war by an order-in-council. At that time there were only 79 licensed amateurs in Canada, including the first YL (young lady), Miss M. S. Colville, XDD, of Bowmanville, Ontario. However, only about 10 percent of active amateurs were licensed.

The Canadian Central Wireless Club had 43 members, and held sporadic meetings until spring of 1915. When it became apparent that the war would be a long one, the club disbanded.

NEXT MONTH .. Amateur Radio after the war and the Winnipeg General Strike

*The above information is taken from a publication available at the Manitoba Archives, produced by George F. W. Reynolds, VE4AJ, who became a silent key in 1996.*

### Packet News By Werner, VE4UA

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I seem to have the 144.31 port now working....Those of you who asked for status on the frequency feel free to give it a try, let me know how things are working out.....

*(ED. Note: Werner has been putting in a lot of time on the BBS, as he learns the software and tries to peak the system for optimal use. Please bear with him during this learning curve, and lend any support that you can)*

### Anniversaries Submitted by Vern, VE4VQ

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**Christmas eve, 1906:** the Canadian inventor of radio as we know it today, Reginald Fessenden, makes the first international broadcast of voice and music.

**1947:** Bardeen, Shockley, and Brattain, at Bell labs, invent the transistor.

**1955:** The first integrated circuit, the size of a playing-card appears, effectively bringing to an end

**1958:** Kilby, at Texas instruments, develops the first germanium-based integrated circuit and in the process, eliminates soldering in electronic manufacturing.

1972: Conceived by Ted Hoff, Intel puts on the market its Intel 4004 microprocessor consisting of 2300 transistors.

**Editors Ramblings**  
**BY Derek, VE4HAY**

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Another full newsletter this month. However it has been shortened by two sides so that a membership form can be inserted for those who have not renewed yet. **This may be your last newsletter if you fail to renew now !!**

Please note a different e-mail address that I would prefer to use. derek@mbnet.mb.ca. The old address was my work address and I want to try to keep personal & work related stuff separate. So if you care to send me an article or just an e-mail please feel free to do so. I am also registered on the VE4UA packet PBBS where I can be reached at VE4HAY@VE4UA.#wpg.mb.can.noam

**AMATEUR RADIO for BEGINNERS**

Instructor: Larry R. Burkhardt  
 Electronics Engineer

The current course is already running but, I am now taking names for the course that will commence January 15, 1998.

If you who know of anybody (XYL, YL, OM or just a friend) who is interested in taking this course, would pass on this information and have interested parties contact me personally at 487-0509 after 6 p.m.

*Comtelco Electronics*

**1456 Logan Avenue**  
**Winnipeg, MB, Canada R3E 1S1**  
**Phone (204) 774-9313 Fax (204) 772**  
**3550 comtelco@cyberspc.mb.ca**

**“Fall Specials”**

**Kenwood TH-79A:** - Dual band handheld with 82 memories, built-in CTCSS encode/decode, alphanumeric display ..... \$579.00

**Kenwood TM-V7A:** - Dual band mobile with 147 memories, back-lit DTMF mic, Alphanumeric display, built-in duplexer & CTCSS ..... \$749.00

**Kenwood TH-235A:** - Kenwood's Newest 2 Meter handheld" with 60 memories, Menu-System, channel number display ..... \$259.00

**Kenwood TM-261A:** 2 Meter 50 Watt mobile with 62 memories, extended receive 118-174 MHz., Back-lit DTMF microphone ..... \$359.00

**Yaesu FT-50R:** 2M/70cm handheld; 5W - DCS and CTCSS encode, 112 memories, alpha numeric display, super wide band RX ..... \$439.00

**Yaesu FT-2500:** - 2M/50W mobile - mil spec., alpha numeric display, 31 memories ..... \$439.00

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