

Ottawa Amateur Radio Club

# Groundwave

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Check out our Web Page: [www.oarc.net](http://www.oarc.net)

Feb 2002

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Winter arrived in Ottawa just about the time I started working on the antennas for the IRLP remote link. Does that mean if I hadn't started, we might not have had a winter?

By the time this hits the mail box at your door, or down the street as the case may be, the Canadian Ski Marathon will have slid into the history books. The continuing success of this venture is due to the tremendous work of everyone who participated including the weatherman who graciously allowed some snow to pile up before the event this year. The OARC actually moved the repeater this year to make our side of the operation more efficient. This is no minor feat either. Anyone who has had to go up to the repeater site during a winter storm can attest to the fact that life and limb are often at stake here. **George, VE3BNO**, should be singles out for a bit of praise as he has made the exodus many times in the past few months in an effort to stabilize the repeater for IRLP only to have his work blown away by the hostile nature of the site. The local organizers of our part of the Ski Marathon operation also deserve much credit. More to the point, I suspect they could use some help too. Volunteering ones time and sometimes financial resources seems to be one of the blessings or curses of our society and this is very true of our hobby as well. You only get out of it what you put into it. **Richard, VE3UNW** and **Mike VE3FFK** always seem to be in the thick of things in this regard. I never cease to wonder how long they can last before the dreaded "Burn-out" hits them. I guess that depends on the individual.

Great work guys. Take a bow.

Cary, VE3EV



## FEBRUARY MEETING

7:30 Feb 13th, Ottawa City Hall, Richmond Room

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Articles may be submitted for use in this publication provided that they portray events or activities that promote Amateur Radio. Letters and comments are also welcome. Submissions may be made by mail addressed to the Editor care of the OARC, or by email to "editor@oarc.net". Deadline for submissions occurs on the last Monday of the month preceding

*Please support your local radio organizations. They support you!*

**The CAPITOL CITY FM Net** meets every Monday at 20:00 hours on the club repeater **VE2CRA** to pass traffic and to make announcements of interest to Amateurs in the National Capitol Region.

**The SWAP Net** is a service provided and conducted by Dan Reardon, VE3GUU. This feature appears on the Capitol City FM Net. To list items and make inquiries, call Dan Reardon at 731-3339 or email him at ve3guu@igs.net. Also available on the web: <http://www.igs.net/~swap>

**The POT-HOLE Net** is a SSB/HF net sponsored by the Ottawa Valley Mobile Radio Club and is conducted every Sunday at 10:00 hours on **3.760 MHz**. All amateurs are welcome to check in.

**The POT-LID CW Net** is an informal slow-speed CW net sponsored and conducted by Ed Morgan, VE3GX, and meets every Sunday, except during July and August, at 11:00 hours on **3.620 MHz**, to promote interest in CW and CW procedures.

**The QCWA CHAPTER 70 Net** meets every Thursday evening at 20:00 hours on repeater VE3TEL, **147.03** You do not have to be a QCWA member to participate.

**The 2M SSB Net** is sponsored by the West Carleton ARC. Look for it every Tuesday night (except the first Tuesday of the month) around 21:00 on **144.250**. It is very informal and verticle polarization is encouraged.

*The Ottawa Amateur Radio Club bulletin "Groundwave" is published and distributed to club members by mail. Publication dates may vary but it is hoped that the bulletin arrives at its destination before the events listed in it have expired. The bulletin is not published for July and August when meetings do not occur. Every effort is made to provide accurate information in the bulletin, however we are all human and mistakes can be made. The OARC accepts no responsibility for any damages that may result from this. The opinions expressed in n this bulletin are only those of the author.*

Voice (VHF)	146.94/146.34	100Hz output tone
(UHF)	443.300/448.300	
IRLP Node 204	146.94/146.34	(VE2CRA/VE3RC) (Code 411 for info) (Code 2040 for activity)
Packet	147.07(sx)	For QSO and Packet BBS
Packet 56 BPS	220.55/443.44	
East Of Ottawa	145.69(sx)	
Ottawa Centre	145.07(sx)	
Hull	145.05(sx)	
West of Ottawa	145.03(sx)	
South of Ottawa	144.91(sx)	
Nepean	145.59(sx)	
West Carleton	144.97(sx)	

For further information please contact the Repeater Chair.

## VE3TEN

Tuning in the beacon so that it makes sense requires you tune to **28.175** on cw and read the tone that is there . The spaces between the elements are the higher tone. If that doesn't work, tune to **28.175.28** on lower sideband for better results.



## Minutes of the OARC General Meeting January 9th, 2002

President George VE3BNO opened the meeting at 19:35 and welcomed everyone. There were no visitors.

As all present had received The Groundwave and the minutes were presented for approval. Cary VE3EV noted an error in the date. Correction was noted in the year as 2001 not 2002. A motion was made by Clayton VE3CBJ to accept the minutes as amended. The motion was seconded by Al VE3ZTU. The motion was carried.

Ernie VE3OEB kindly offered to sell the 50/50 draw tickets.

George reminded everyone of the Capital City Net on Monday nights, 20:00 local on VE2CRA.

A few late comers arrived which brought the total present to 28.

George asked for an indication of who had participated in the RAC Winter Contest. Not many raised their hands. He stated that it had been a popular event this year as indicated but the number of requests arriving at RAC HQ for QSL cards.

George commented on the use of IRLP. He had joined Cary VE3EV and Tony VK3BBD, who now resides in Melbourne, on the IRLP link. Tony, who was president of the club in the late 60's, passed on his regards to those in Ottawa. All are encouraged to try out IRLP available on VE2CRA.

The next project of the OARC is participation in the Ski Marathon on Feb 9-10, 2002. Anyone interested in helping at this event can contact Richard VE3UNW at VE3UNW@rac.ca. The club first participated in this event in early 1974 when Larry O'Brien was the president, Cary VE3EV was Vice President and George VE3BNO was a director. George and Graham Patterson did path testing for this event in the fall of 1973.

George VE3BNO, as club historian, then presented a short slide show of this event from "a few years ago"! It was interesting to see how things had changed both with equipment and vehicles.

January 12 is the date for the Ottawa Motocross Rally. Mike VE3FFK has volunteers in hand. Cars will be away by 17:00 for a run of approximately 3 1/2 hours. George indicated which repeaters he thought would be useful for the area being covered.

Liz VA3ELB presented the treasurer's report which indicated the club finances are in good shape with no major changes. General revenue was due to 50/50 draw and membership fees. Expenditures were the monthly Groundwave expenses, IRLP project and the Joe Norton Award. George VE3BNO asked if any of the approved funds for the IRLP project were available to purchase a backup board for the IRLP link. There is \$160 still available so Cary VE3EV will be taking care of this.

Liz VA3ELB presented the membership report in Tom's absence. Approx-

imately 90 members have renewed to date. An updated phone list will be provided at the next meeting. Members are requested to update their information with any changes to va3wtj@rac.ca within the next two weeks so information on this list is current.

There was some discussion regarding Field Day 2002. Paul VE3ICV received a challenge from the club in Richmond, BC.

George VE3BNO then presented a short slide presentation from Field Day in 1975. He believed it was held at a site approximately 2 miles from Hazeldean. Again, there were some familiar faces, younger and with more hair!

A short coffee break was taken. Our "coffee guy" Bryan VE3ZRK had a small snag with the coffee urn but enough was available for all those interested!

With the resumption of the meeting, Keith VA3KPP announced the next Bunny Hunt would be held on a Saturday in February, probably starting at 580 Booth Street. Details are to follow via local nets.

George VE3BNO thanked Richard VE3UNW for his contribution to a fund at Bytown Marine which was put in place several years ago to be used by the club for projects which would promote amateur radio. Other than the weather station, no other projects were presented to use the fund so Richard has now resumed control of the money. He plans on contributing some of it to Radio Amateurs of Canada for their use. Thank you Richard.

Cary VE3EV presented an IRLP report. The system went down for outgoing links over the Christmas break due to a decoder chip problem. Given the season, it was difficult for him to find a replacement! This has prompted the purchase of a backup board in case a problem arises again. Dave VE3KMY announced he has some of the necessary chips and will provide a couple to Cary as backups. Thanks Dave. Things are now up and running and the audio section is being fine tuned to improve the signal.

For those using the link, please identify before keying in the code and say where you are connecting to. This enables someone to come to your assistance if for some reason your signal changes and you are unable to disconnect the link yourself.

Mike VE3FFK asked if people who do not identify should be challenged. Cary indicated a polite query and request to do so should suffice.

A new information message is available on the link by dialing up 411 (with no prefix or suffix). Also, when bringing up the link, attempt to keep the string of four digits continuous or you will be disconnected by the system.

Work on the repeater is proceeding to eliminate the white noise from nearby pagers. George will be looking into installing filters.

Another slide show followed, this time showing the old radio station of CFRA on Isabella Street, plus some older portable setups. Everyone enjoyed seeing how "things used to be". Thanks George. It was really an interesting look at the past.

An announcement was made regarding the EMRG/ARES meeting to be held on January 19 at the Barrhaven Fire Hall, beginning at 9 AM. For info, old ID badges for ARES members are not valid and in order to be



reissued with a new one, a new membership form must be completed and submitted via Tom VA3WTJ or Liz VA3ELB. Info is on the EMRG/ARES website.

The 50/50 draw was made and \$24.50 won by Harold VA3UNK.

Next meeting will be held at 19:30 on February 13 ( the second Wednesday of the month) in the Richmond Room at Ottawa City Hall.

Meeting was dismissed at 20:55.

**Minutes compiled by Liz VA3ELB, Secretary/Treasurer.**

## From: RAC Headquarters

Date: January 13, 2002

Subject: VE1AWA resigns



**Due to personal reason** Roy MacIntosh, VE1AWA has stepped down from the position of Section Manager for the Maritimes. Tom Caithness, VE1GTC has been appointed acting Section Manager pending outcome of the upcoming election call. Tom is sending his petition for the position, if no other valid petition is received he will be nominated and declared elected on March 11, 2002.

## From: RAC Headquarters

Date: January 9, 2002

Subject: LOU signed



**A Letter Of Understanding (LOU)** between Radio Amateurs of Canada (RAC), sponsor of the Amateur Radio Emergency Service (ARES) program, and the British Columbia Provincial Emergency Radio Communication Service (PERCS), was recently approved and signed.

The LOU represents the collaboration of RAC BC Section Manager Fred Orsetti VE7IO and Supervisor Information and Communications Technology, Provincial Emergency Program Andrew Bryan VE7KSN, to provide a cooperative plan to carry out emergency communication. The LOU will be posted on the RAC and PERCS web site for information and circulation.

This LOU further enhances the work of the ARES program and complements the Memorandum of Understanding signed May 1994 between RAC and Red Cross.

## Tophat 2002 planned for April 6th



**Tophat 2002**, an emergency communications competition for British Columbia's Lower Mainland and Fraser Valley regions is set for April 6th, 2002. Teams of 10, representing various municipalities, compete in an emergency scenario, including set-up and standard operating procedures, formal messaging, and problem solving. Teams staff their municipal EOC, hospital, reception centre and one surprise remote location. The scenario is announced at the start of the exercise and is based on an actual event in Canadian history.

Last year, 140 amateurs representing 13 municipalities formed 10 teams. Tophat 2001 was based on the 1945 ship explosion in Vancouver harbour.

While the competition is limited to teams in British Columbia, any other group that wants to participate in their municipality using the same scenario and problems can contact the Tophat design team for further information.

All information about Tophat 2002 can be found at [www.amateurradio.ca](http://www.amateurradio.ca)

(Thanks to Tom Cox VE7TOX)

*Please remember the following rules when operating the IRLP:*



1. **Make sure you have a good signal to CRA.**
2. **Identify yourself before opening an IRLP link.**
3. **Make sure you dial the codes in a continuous string.**
4. **Once connected, listen for any activity on the remote site.**
5. **Pause after pushing the PTT and before speaking.**

## RAC2002 National Convention online registration available



The RAC2002 National Convention Committee is proud to announce that online registration is now available on RAC 2002 National Convention website.

There are two easy ways to register:

- 1) Print the registration form available online, and mail it along with your cheque to the address provided.
- 2) Register online with your visa or mastercard number.

Please visit [www.rac2002.org](http://www.rac2002.org) to register today!

Wilfried Mulder  
VE7OHM  
RAC 2002 National Convention Chairman



## MK's Words Reflections

### Happy Febrrrary everyone.

First off, sorry about the mix-up in paragraph 3 of last month's column. It is all there, it just needs a little bit of deconvolution to restore. I don't know where it happened. The copy on my disk looks OK, but there are always some last minute changes just before I deliver these words to Cary. Since it is always the tendency to blame the other guy, I will stick VE3EV with that one. *(Add that to the Dec 2002 minutes. Ed.)*

On the other hand, thanks to Cary for getting the IRLP node back up. Those of you who were at the meeting (or read the Groundwave) know the story, but it was interesting to note that Dave had a tube of replacements, if we only knew. Maybe we will hear Bob and Ethel more regularly now.

Once that was fixed, a relay stuck on VE2CRA. With the repeater turned on all the time, the IRLP computer would never know when to turn the QSO back to the other guy. Thanks to Mr. President for going up to the site on a cold and windy Sunday to give the repeater a kick. Perhaps George will have even more good news for us at the February meeting.

Speaking of the February meeting, now that we have moved to the second Wednesday of the month, the meeting occurs after the Ski Marathon, so this is your last reminder about it. I wonder if there is a Ski Marathon page on the OARC website. The meeting night move is both good news and bad news. We can now get to the Vintage Radio Club meetings, also on the first Wednesday, but homebrew night can never again occur on April fools day. (on second thought maybe this is good news and good news) I just have to go and re-mark all my 2002 calendars now.

As I type this, I am not sure what the meeting change will do to the Groundwave deadline, so there is still half of January left to play. That means the bunny hunt and the rally mentioned last issue have taken place, both successfully (reports elsewhere, I hope). It also means the 160M CW contest and the next bunny hunt (the next two weekends on my radio activity calendar) are still to come.

Congratulations to Harold, VA3UNK. In December he got the Joe Norton award and in January he picked up the 50-50 draw. In February, I guess he will find a fifty dollar bill at his CSM checkpoint. Some people are good and some are lucky. UNK is both.

There was an EMRG meeting on the 19th. Good discussion, including the usual updates on how we were doing in our efforts to bring the city and now the local Red Cross up to speed. Although I have been doing this EMRG and public service radio stuff for a while now, the training session pointed out a couple of weak points in my "system". Under the "know your equipment" section, it seems I have to brush up on the manuals, since I would have a tough time setting up my VHF or UHF rigs with an offset other than the standard one. Changing CTCSS tones would be a bit of a challenge as well. Both of these have come up in exercises or events in the past year, so I should know better. Another weak spot I noticed is that we are requested to give the net controller as good a signal as

possible. That means aim for a full quieting signal, with as no hum, and good clear audio. I wonder if two out of three is good enough. - Back to the drawing board. Next EMRG meeting will probably be on April 13, with an exercise on the 27th. Both these dates are subject to change, so keep listening.

Thats it for now. 73 & see you at the meeting.  
mk VE3FFK

## Internet Radio Linking Project

**Equipment maintenance** has been put on hold while I tend to other activities. As far as I can tell, from listening on the way to and from work, the IRLP is functioning. I'm still not happy with the quality of the audio and will probably take the time during the Ski Marathon to make some quality adjustments.

Yes. Ethel and Al are the IRLP voices at the moment but that will change very soon. Bob Knapp, VE3CDG, ex of the CBC, recorded a set of announcements for the node. This will replace both Ethel, Al and myself as the "Voice of Node 204". There has to be some confused Amateurs on the other side of the link. Whenever the link comes up on a remote node, listeners there hear my voice come on and identify VE3EV Node 204. That will soon be changed to "VE2CRA Node 204".

I have added a few functions to the local link which can be access by tough-tone. Dialing 411 gives information on the Node and the OARC meetings. Dialing 2040 (*note 204 is our node number*) results in an announcement regarding the status of the node. The announcement should tell you what node is attached at the moment or if the link is enabled but not connected to a remote node. Also, there is a "Call Waiting" announcement that comes on if another node is trying to link to 204 while you are linked elsewhere. I will shorten the announcement a bit because I think it is too obtrusive. I'll do that later though.

Of course the weather and sticky relay's have been a nuisance lately. As Mike mention in his column, George had to make several trips to the repeater to disconnect a recalcitrant relay. Last weekend, during the height of a weather event down here in the city, George went up the hill again to attend to a repeater that didn't know when to quit. He spent the time re-wiring the beast and that seems to have done the trick. While he worked on the controller, he wired the receiver to the transmitter and kept the repeater on-air. Underneath that clear signal I could just make out the voice and music from a local commercial FM station. I wish I could have identified it as it might be the other half of the intermod signal that is hitting the repeater.

The weather hit the remote link by way of a "Mother-Nature" antenna rotator. The high winds on Friday night broke the lock on the mast and swung the beam due north. Monday, the lock broke again and swung the beam due south! I replaced the lock and used a big whopping "C" clamp to ensure it wouldn't move again.

I'm still not convinced that the beam is pointed at the repeater even after flying over the house and doing a visual. I need a better map. Anyone willing to loan me one of those Satellite picture maps?

Cary, VE3EV.



## From DC to Green Light VHF, or a Six by Two across the Mouth Cary Honeywell VE3EV

Over the years I have grown used to the idea that I can pick up a one watt handheld transceiver and talk to just about every other Amateur in the area. This wasn't quite so easy before the advent of the repeater. I can't speak from first hand knowledge about the environment prior to 1964, but my first six years of experience as a licensed Ham can shed some light here.

One of my early friends in the hobby was Garth Champion, VE3EOF. He had the Heathkit "Benton Harbour Lunchbox" for 2 metres and had it installed in his car, a 1964 Comet Caliente convertible. I only mention the car because it was the same model of car I acquired as my first vehicle in 1969 and it was my first taste of mobile communications. Garth would show up at my place on a Saturday morning and we would visit other Amateurs in the area. The rig operated about 5 watts AM and wasn't equipped with a squelch so you had to put up with some noise. One of the first contacts I made, courtesy of Garth's rig, was with Gerry Dillion, VE3AVI. Gerry had sold me the Hallicrafters S53-a that I had used to get my ticket and now he was my first VHF contact too. Mind you, he was really down in the noise so the contact was technically not much of a QSO, but for me it was real. Gerry was labeled "Two Metre Horizontal Gerry" in the Groundwave's "Arcovers" column. Not sure what it referred to but it might have related to his antenna configuration.

Gord Grant, VE3DY, the Groundwave editor, recommended that I set up a 6 metre station as there was more activity at 50.4 Mhz AM than there was on 2 Metres. I'm not sure who I got the equipment from but I suspect his neighbors were glad to see it go. The rig was in two parts. Both units were crystal controlled on 50.4 and the transmitter had a carbon mike. Along with the gear came a coaxial antenna which trailed a pretty sorry string of coax cable. By this time my shack had been banished to the basement so I set up the equipment next to the "Harmonic Generator" with little regard as to what would follow. Once all the wires and plugs were connected, I turned the wee thing on only to be met with a very loud chorus of white noise. It didn't seem to be much different from 2 metres but I was game to give it a try. I depressed the mike button and prepared to make my first 6 metre call. The silence was the first thing I noticed. Yes. The receiver was cut off, but that wasn't the silence I noticed. The noise from the TV set in the room above me had become almost a companion for me in this cold basement. Now it was silent. When I called CQ, which I shouldn't have anyway, my voice had an unusual echo to it.

TV in the 60's was direct antenna to antenna stuff. No cable. And color was becoming more common. The TV my father had bought was a very nice Electrohome 24 inch color set. Expensive too. Very susceptible to any RF energy that radiated on practically any frequency from DC to green light. Especially any transmitter on 50.4 which was fairly close to channel 4, the local CBC TV outlet. I learned quite a bit about tuned stubs using 300 ohm twinlead, high pass and low pass filters and shielding before I was allowed to touch that microphone again.

My first actual 6 metre contact was with Ralph Hindle, VE2BMH, in Aylmer Quebec. His signal was weak but very readable. Over the next few weeks I met Tom Harp, VE3GAF, Gerry Harbottle, VE3AGU, Art Childer-

hose, VE3CGD, Andre Pilon, VE3CLW and of course Gord Grant, VE3DY. I might be forgetting someone here. Sorry. In 1966 there were few repeaters in the area other than VE2CCC which was a split 6/2 metre repeater that Andre was building. I never operated through it but listened whenever I could. Once in a while the whole group would have a meeting at the Marco Polo Chinese restaurant on Bank street near Heron Road, This is where I met them all in person. This was a good friendly group and we were often found chewing the rag in the early evening.

The summer of 66 brought two things into my life. One was a good degree of independence. Obviously my parents were now convinced that I could not only survive on my own, but wouldn't try to kill anyone else in the process. The second this was an 80cc Yamaha motorcycle. My independence got the better of me one day in August and I decided to pay a visit to several Amateurs I knew from the CW traffic nets. Ross, VE3AUU, Len, VE3FGV, Denis, VE3CYR and Gord, VE3BZB. The problem was that Ross lived in Belleville, Len in Trenton and both Gord and Denis were in Peterborough! Try riding that route on a moped which was just about what I was doing. The only way I could get any speed was to lean forward to cut down on the air resistance. To make matters worst, Ross gave me a 3 element 6 metre beam which I strapped onto the side of the bike. This increased my length by about 8 feet. My return from Peterborough was at night and, I must admit, it was as cold as I had ever felt.

The beam never got installed. My 6 metre transmitter self destructed the first time I turned it on when I returned from summer vacation. I had further adventures with the motorbike including a day trip to Montreal and a collision with a 1960 Pontiac. In 1970 I even concocted a mobile rig made out of a Sonobouy transmitter, the blue board, and a Motorola portable receiver. Probably the first "Bike Mobil" in the area. Not long after that I broke a stud on the cylinder head which rendered the bike into a useless pile of metal.

During this time I also had acquired the, previously mentioned, Comet convertible. I used spare parts from many Motorola portables and several Sonobouys to make up a number of unsuccessful 2 metre transceivers. I thought about going to an HF mobile setup but after viewing Gerry King, VE3GK, driving his Morris 850 stationwagon with the 1KW mobile rig in it, I decided it wasn't for me. Besides, it was difficult to mount an HF antenna on a bumper that was rotting off from rust, or putting a whip antenna on the roof of a convertible. I gave up the comet for a Ford Falcon. I gave up the portable/home-brew rigs for a DT45.

The DT45 was a Marconi, trunk mounted behemoth with a vibrator power supply and a dash mounted remote control head. It was also a 2 channel crystal controlled 2 metre transceiver. It got hot, had noise problems, weighed a ton but all-in-all was one of the most reliable rigs available at the time. It fit nicely in the trunk of the Falcon. The very first contact I made was with Bob Knapp, VE3CDG who was driving home after his shift at CBO in Ottawa. I called him but got no reply. After several attempts, Bob finally said something to the effect that "There is no audio on you signal, whoever you are"! After a number of yanks on the control head, the audio finally made it on to the repeater and was heard clearly for the first time since working the repeater 2 years earlier.

*Next month. 2 metre hi-jinks and the mountain.* Cary VE3EV



### MEETING

Time: Wednesday 6 Jan. 1965, 2000 hrs Est.

Place: NRC Sussex St., Room 3001.

Program: A side-band Package Design by Jerry King, VE3BST.

Business

Discussion — Novice Licencing.

Coffee.

When Jerry King built his first SSB rig a few years ago he was so impressed that he disposed of his AM gear and put all his energies and resources into SSB. He has since built several rigs but his pride and joy is a transceiver that can be used either fixed or mobile with excellent results. Jerry will talk about SSB in general and will demonstrate his transceiver.

Business will include any late developments in our dealings with CADC including the last AR-77 in working order. It will be up for offers starting at \$36. In addition we have four AR-77 chassis that will be for sale at prices ranging from \$.75 to \$2. They may be useful to AR-77 owners for spare parts.

There will be a short discussion on Novice Licencing proposals for Canada.

### ARCOVERS

Our sincere sympathy to Steve Cochrane, VE3DRX, who lost his father early in December—...— Congrats to Jack Wittingham, VE3YC, new pres. of the Mobile Club —...— Barry Crampton, VE3BSB, is now a councillor in Stittsville —...— Treasurer Len has returned from Mexico with a revised financial statement —...— The Ten Meter Net will meet at 2000 hrs Thur. on 28,350 kcs for a trial —...— Fred, 3NT, has all the luck; car stolen 22nd Oct. not recovered in month, insurance paid; ordered new car and GM went on strike next day; Happy New Car, Fred —...— wasn't it remarkable how well that experiment of ATU's went at the last meeting~ worked first time without a hitch —...—

### **Another club Project**

Over the past few months, copies of the OARC Groundwave from previous years have been scanned into computer files. These files are both .PDF and Jpeg graphic files. Once completed, these files will be stored on CD-ROM and will be made available to club members. The page above is a composite of two pages from the January 1965 issue. It was optically scanned for the text and is not shown as it originally appeared.

**VE3EBH**  
**Circa 1970**  
*Station Equip:*  
*DX-40 (180 w)*  
*VE3KH VFO*  
*RGB-2 RX*





## A Complete Contest Calendar

Courtesy Winnipeg Amateur Radio Club

### February

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

### March

ARRL Inter. DX Contest Phone	0000Z	Mar 2
World Wide Locator Contest	0000Z	Mar 9
SARL Field Day Contest	1000Z	Mar 9
RSGB Commonwealth Contest CW	1000Z	Mar 9
North American Sprint RTTY	0000Z	Mar 10
UBA Spring Contest CW	0700Z	Mar 10
Wisconsin QSO Party	1800Z	Mar 10
Alaska QSO Party	0000Z	Mar 16
BARTG Spring RTTY Contest	0200Z	Mar 16
Russian DX Contest	1200Z	Mar 16
Virginia QSO Party	1800Z	Mar 16
Spring QRP Homebrewer Sprint	0000Z	Mar 25
CQ WW WPX Contest SSB	0000Z	Mar 30

## Industry Canada consulting on domestic 3 to 30 GHz spectrum allocations.



Industry Canada has finally released its long awaited consultation paper on spectrum allocations between 3 and 30 GHz.

The paper, announced in Gazette Notice, DGTP-001-02, invites public comments on spectrum policy proposals. The paper is entitled: Consultation on Revisions to Spectrum Utilization Policies in the 3-30 GHz Frequency Range A copy can be downloaded in pdf format from the Industry Canada web site at: <http://strategis.ic.gc.ca/SSG/sf05609e.html>

There are at least two areas of possible change which may affect the amateur services in Canada.

1. The first proposal involves the 5 GHz amateur band (5650-5925 MHz).

Amateur satellite operation is also allowed in this band, with an uplink between 5650 and 5670, and a downlink between 5830 and 5850. This is a shared frequency band.

In Canada, the upper part of band, in the range 5850-5925 MHz is allocated on a primary basis to Fixed Services, Fixed-Satellite Service (Earth-to-space) links and on a secondary basis to Amateur and Radiolocation services.

Intelligent Transport Systems (ITS) are intended to improve the safety and efficiency of transportation, including short range wireless links to transfer information between vehicles and roadside systems. Examples of such information transfer include: traffic light control, traffic monitoring, travellers' alerts, automatic toll collection, traffic congestion detection, emergency vehicle signal preemption of traffic lights and electronic inspection of moving trucks through data transmissions with roadside inspection facilities.

Industry Canada says "Recognizing the importance of safety and efficiency to Canada's transportation infrastructure, the Department is proposing to designate 75 MHz of spectrum for ITS in the band 5850-5925 MHz". Fortunately this band does not overlap our satellite downlink band.

2. The second proposal of interest is in the 24.00-24.25 GHz band

The section between 24 and 24.05 GHz is Amateur Primary, and is not affected by the proposal

The section between 24.05 and 24.25 is currently allocated to Radio Location Services on a primary basis and to the Amateur service and Earth Exploration-Satellite service (active) on a secondary basis.

In the USA, the FCC has formally approved the use of Safety Warning Systems in the band 24.05-24.25 GHz on a secondary basis. These systems alert drivers as far as a mile away that they are approaching road hazards such as railroad crossings, stopped school buses, utility crews, road constructions and traffic accidents.

With a view toward designating the band 24.05-24.25 GHz to Safety Warning Systems on a secondary basis, Industry Canada has requested comments on " the level of interest in the provision of these systems in Canada, as well as any other potential uses that would increase the flexibility of this band".

The Radio Advisory Board of Canada will comment on the IC proposals, and as RAC is a member of the RABC we will have an opportunity to make our concerns known. Our volunteer Microwave Band Planning committee will be providing advice concerning the possible impact of the proposed changes.

However, as Amateurs are already sharing with other services in these valuable frequency bands, new allocations are almost inevitable.

It is worth noting that IC has avoided our satellite up and down links at 5 GHz, and they have left our primary allocation at 24.0 to 24.05 GHz, untouched.

# MEMBERSHIP APPLICATION / RENEWAL

## Ottawa Amateur Radio Club, Inc.

Box 8873  
Ottawa, Ontario  
K1G 3J2

Renewal    New    New Ham (FREE if licensed in current membership year)  
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Family Name: \_\_\_\_\_ First Name/Initials: \_\_\_\_\_

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City: \_\_\_\_\_ Prov: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_ ext \_\_\_\_\_

E-mail address: \_\_\_\_\_@\_\_\_\_\_

Callsign(s): |\_\_\_\_\_| |\_\_\_\_\_| |\_\_\_\_\_| Fax: \_\_\_\_\_

Qualifications:    Basic    Advanced    Grandfathered  
                          5 wpm    12 wpm   Year Licenced: \_\_\_\_\_

### Other Family Members

Name: \_\_\_\_\_ Callsign(s): |\_\_\_\_\_| |\_\_\_\_\_| |\_\_\_\_\_|

Qualifications:    Basic    Advanced    Grandfathered  
                          5 wpm    12 wpm   Year Licenced: \_\_\_\_\_

Name: \_\_\_\_\_ Callsign(s): |\_\_\_\_\_| |\_\_\_\_\_| |\_\_\_\_\_|

Qualifications:    Basic    Advanced    Grandfathered  
                          5 wpm    12 wpm   Year Licenced: \_\_\_\_\_

Name: \_\_\_\_\_ Callsign(s): |\_\_\_\_\_| |\_\_\_\_\_| |\_\_\_\_\_|

Qualifications:    Basic    Advanced    Grandfathered  
                          5 wpm    12 wpm   Year Licenced: \_\_\_\_\_

Interests: \_\_\_\_\_

\_\_\_\_\_

Comments/Suggestions: \_\_\_\_\_

\_\_\_\_\_

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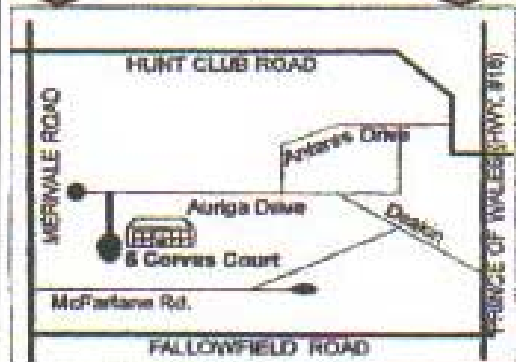
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**TX Frequency Coverage:** 160 - 10 Meters, 50 MHz, 144 MHz, 430-450 MHz, plus Alaska Emergency Channel (5167.5 kHz).

**RX Frequency Coverage:** 100 kHz - 56 MHz; 76 D 154 MHz; 420 D 470 MHz. (Exact frequency range may be slightly different)

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