

Ottawa Amateur Radio Club

Groundwave

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Check out our Web Page: www.oarc.net

Dec 2001

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The "Post September 11th" world has obviously changed in many ways. This will be dramatically evident in many American households this Christmas. However you enjoy the festive season, please take a moment on December 25th to remember the families, children, co-workers and friends that were left behind to carry on.

Since this bulletin will arrive before Santa does, I would like to suggest that not only should you give to others at this time, you might want to give to yourself as well. Consider giving yourself the opportunity to participate in a new technology or activity in Amateur radio. We seem to get in a collective, though comfortable, rut. New activities and operating styles are opening up almost daily. Invest in yourself and your hobby. It will pay you dividends and stimulate the hobby. With IRLP, GPS, and PSK technologies available to you, there is no better time to start than now.



**THE EXECUTIVE OF THE OTTAWA AMATEUR RADIO CLUB
WISH YOU ALL THE BEST OF THE HOLIDAY SEASON
AND A HAPPY NEW YEAR AS WELL.**

DECEMBER MEETING

7:30 Dec 7th, Ottawa City Hall, Honeywell Room

Speaker will be Doug VE3XK, RAC Director for Ontario North.

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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.

Club Information

The Ottawa Amateur Radio Club Inc. is an association of Radio Amateurs devoted to the promotion of interest in Amateur Radio communications in the National Capitol Area and to the advancement and achievement of club members.

Regular Meetings of the OARC Inc. are held on the first Wednesday of each month (except July and August) in the Richmond Room (2nd floor of the Old Teacher's College) of Ottawa City Hall (formerly Regional Municipality of Ottawa Carleton Headquarters) on Lisgar Street. Meetings commence at approximately 19:30 hours. Further details about each meeting is elsewhere in this publication.

Executive Meetings of the OARC Inc. are normally held on the second Wednesday of each month at 19:30 hours. Contact the President to confirm the date, time and place of the next meeting.

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.

Voice (VHF)	146.94/146.34	100Hz output tone
(UHF)	443.300/448.300	
IRLP Node 204	146.94/146.34	(VE2CRA/VE3RC)
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.



Minutes of the OARC General Meeting

November 7th, 2001

President George VE3 BNO opened the meeting at 7:30 pm sharp. There were 24 members present (3 more joined us as the evening progressed). Two guests, Bob VA3PQ from Stittsville and Mark VA3GID, were also present.

George noted that the minutes of the previous meeting had been distributed in the Groundwave and asked for any errors or omissions. There being none, Ernie VA3OEB moved that the minutes be adopted. Carried. George reminded all of the Capital City FM Net Mondays at 8:00 pm on VE2CRA. He also noted that he had received only one nomination for the Joe Norton award, and reminded members, particularly new hams, that submissions needed to be in by 10 November to him. (There was some inconsequential debate as to when on 10 November.)

Clare VE3NPC reported that he had worked his first Z5 station via Oscar 40. George remarked that the Aurora Borealis had been particularly spectacular on Monday 5 November, and that 10 and 6 metres had been open "around the world". Needless to say, 80 metres was dead during the same time. Bill VE3FXG observed that for the first time in history the aurora had been photographed at both poles at the same time.

Tom VA3WTJ, representing the Treasurer, reported that the club had increased its cash position by approximately \$258 over the previous month, from memberships, the 50/50 draw and the club's share of additional sales at the Time Comm. sale. As membership chair he reported the club currently had 70 paid-up members, including 4 new hams. President George then introduced the first speaker of the evening, Doug Yuill VE3OCU, after a bit of introduction on the origins of the Packet Working Group and some philosophy on investments in social capital, outlined a potential project to establish a differential GPS beacon in the NCR. This generated a fair bit of discussion ranging from the area in which GPS accuracy would be improved to the wisdom of possibly providing a would-be terrorist with a means of delivering a more accurate attack. At the end of the discussion, in response to a request from George, 7 people expressed some interest in having the club participate in such a project.

Following a social recess, the second speaker, Ben Price VE3CDA, described his trip to the headquarters of the ARRL in Newington, Connecticut, and his experience working W1AW. Sites of interest for members to check out on the web are:

www.freetrip.com for routing trips
www.arrrl.org/visithq.html

Doug VE3XK thanked Ben for his presentation.

Cary VE3EV commented on the progress of the IRLP node and asked if anyone had any questions. He sees the benefits as increased use of the repeater, a noted presence of the club because of this, and a possible increase in membership due to its use. Work will continue to improve the sound of the repeater. Winner of the 50/50 draw was Dennis VA3DWC and Keith VE3DBG won a book.. The meeting was adjourned.

Minutes compiled by Tom, VA3WTJ and Liz VA3ELB.

Field Day Results

VE3RC placed fifth in Canada out of 25 Canadian Entries in Class

2A----2 Stations, less than 150 Watts power.

1110 QSO's 22 operators 4588 Points...

Reach around and patt yourselves on the back! !

The VA3RAC field day record of 35A (35 stations at under 150 watts) has not been beaten this year....

The PVRC/CARA had 26A..... 26 stations on the air..... 40 operators. Thanks again to Glenn McLeod (VE3GLN) -RAC Amateur of the year for 2001

VE3ZZJ SK

JUNEAU, Guy Piche Peacefully in hospital on Friday, November 16, 2001 age 71 years. Beloved husband of Elfriede (nee Villicus). Loving father of Paul (Wendye) and Suzy. Devoted grandfather of Christopher and Jason. Dear brother of Lucien (Linda), Marie Bostrom and the late Claude, Robert and Henrietta. Guy was a Trade Commissioner, an avid sailor, ham radio operator, loved to repair mechanical items, had a great sense of humour and will be sadly missed by all who knew him.

Memorial donations to the Canadian Cancer Society. (Ottawa Citizen)

We are not in the business of selling homes here, but it is Christmas time and if you are really looking for that perfect gift for the Ham in your life.....

Ivor Nixon VE3IHN (a past President of Chapter 73 QCWA, first licensed in 1934 as VE3ACL) is moving. The beautiful house on 1 acre on the Bay of Quinte in Prince Edward County has to go on the block.



The Delhi tower reaches 90 feet above the Bay which is only a hundred yards away. In addition to the the tri-bander, there are half-wave dipoles for 160, 80 and 40, and a collinear omni-directional for 2m (reaches Toronto, Brockville and Syracuse). All fed with 3/8" Heliax. The main floor shack has 115 and 230V outlets. WARC bands work fine. Remote antenna switch. NO TVI!

As for the house, it was built in 1974 and is 2600 sq.ft. on the main floor (3 bedrooms including Garag the one dedicated as shack and office), with 1000 sq. ft of finished lower level with walkout to a patio, a furnished in-law suite with a view of the Bay, and a floor-to-ceiling stone fireplace in the recreation room. Hardwood throughout main floor. The house has been extensively renovated with a Canac kitchen, a Four Seasons solarium and many other improvements. Garages for 3 cars. 400-ampere service. Irrigation system. 1-acre lot. Workshop. Thousands of \$ of furnishings and equipment (such as workshop, garden and automotive tools) are included.

This is the dream location with all the conveniences of the city, and some ham would be very happy here (and one in particular has been).

Warning: Expensive!



On Air Events Reminder

December

- 1-2 TARA RTTY Sprint
- 2-3 Tennessee QSO Party
- 2 QRP ARCI Holiday Spirits Sprint2000Z-2400Z
- 7-8 PSK31 Death Match
- 7-9 ARRL 160-Meter Contest
- 7-10 Six Club 1st Winter Contest
- 30 RAC Canada Winter Contest, Contest 2001



Please note that the RAC Canada Winter Contest information on page 57 of the November-December TCA contains errors. The date of the contest should read December 29 and the abbreviation for Nunavut should read NU. (See page six of this issue of the Groundwave)

December 12, 2001 to February 12, 2002

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.

This authority is valid from December 12, 2001 to February 12, 2002.

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

- RAC again raised concern over the continuing errors and printing problems associated with Industry Canada's amateur radio examination generator software. Industry Canada is looking into the problems and hopes to rectify the situation shortly.
- RAC and Industry Canada entered into discussions regarding the development and maintenance of the Amateur Question Banks (RIC 7 and RIC 8) and the examination generator software. It is hoped that RAC may be able to play a viable role in both programs.
- Industry Canada provided a follow up report on the proposed 'Prudent Avoidance Policy' in the City of Toronto. Health Canada's Safety Code 6 provides guidelines for Radio frequency Fields Safety. There is a need to establish protocols to provide a model for municipalities to utilize.
- Industry Canada representatives reiterated that IC is prepared to discuss and take action on documented cases of flagrant disregard for regulations. The amateur community must demonstrate to the local Industry Canada offices that such action is necessary, however. For further information visit: <http://www.rac.ca/faqgovt4.htm>
- Industry Canada presented a status report on new reciprocal operating agreements. A Canadian proposal is being considered by the Thai government. Hong Kong has also entered into discussions and is awaiting a response from Canada. Several other countries have shown little interest in setting up reciprocal operating agreements with Canada at this time. Unless policies change, nothing further can be done.
- Discussion took place concerning the CARAB terms of reference and participation. Industry Canada emphasized the importance of having a strong national representative voice for all amateur radio operators in Canada. Industry Canada indicated that it would be open to modification of the terms of reference of CARAB if the current provisions were inadequate for Arc's needs.

Complete details of the meeting will be provided at a later date in the CARAB 17 Minutes and posted on the Industry Canada website at <http://strategis.ic.gc.ca/SSG/sf01778e.html>

From: RAC Headquarters

Date: November 21, 2001

Subject: CARAB 17 Meeting in Ottawa



The semi-annual fall meeting of the Canadian Amateur Radio Advisory Board (CARAB) took place in Ottawa on November 13, 2001. It was attended by representatives from RAC and Industry Canada.

The following were some of the highlights of the meeting:

- An Industry Canada document pertaining to the examination of disabled candidates will be ready for incorporation into an RIC by January 31, 2002. This document, based on a proposal from RAC, will provide guidance to medical doctors when asked to justify an exemption for disabled candidates for the Amateur Radio examination process.
- A list of Accredited Examiners has been provided by Industry Canada and is now available on the RAC web site. The list is sorted by both city and name.

From: RAC Headquarters

Date: November 21, 2001

Subject: Canadian students to contact Space station Friday Nov 23



R. Tait McKenzie Public School, in Almonte, Ontario (about 50 km west of Ottawa) is now scheduled for an ISS contact on Friday November 23, at 10:46 UTC, or 5:46 a.m. EST. The contact will take place via two metre FM, with downlink frequency 145.8 Mhz. The ISS will be travelling across southern Canada from west to east, so that amateurs from all parts of Canada should be able to copy at least part of the downlink transmissions.

Neil Carleton VE3NCE, teacher and radio amateur, and Bob Clermont VE3AKV are organizing the contact. For the full story, see: <http://www.rac.ca/dnews.htm>

Editor's note: the contact was successful and was even carried world-wide on IRLP using the Nepean IRLP node.



MK's Words Reflections

Yes, another month has gone by already. The wires still aren't in the trees around here. The domestic chores related to getting the house ready for old man winter are claiming what would otherwise be my tree climbing time. Somehow that hasn't stopped me from helping with the Jamboree on the Air, another bunny hunt, the simulated emergency test and playing in the snow trying to get the VE2OJ 160m contest antennas ready to play. (So what's your excuse?)

The Jamboree on the Air was uneventful. A dozen or so kids got to play radio, making some pretty good DX contacts this time. I got to try (and fail) to make some PSK31 contacts with last month's new toys. On the way out there, I got to make an SSB contact with the QRP rig. That was a first for me. It was an Italian station who gave me a generous 5x7



report. My thundering five watts found its way over the ocean from a 15 metre hamstick while chugging down highway 7 to Camp Opimecon. So I guess the little rig does indeed work on SSB.

The bunny hunt was a bit of a challenge, consisting of a conventional FM voice transmitter AND two APRS beacons on a different frequency (not 144.39). Being naughty, we (VE3EPB, VE3ZY) decided not to follow the rules and just take off after the wascally wabbit. The first beacon (on for one second every ten) was a pretty tame bunny. Ditto for the voice transmitter. We were there before he finished his second transmission. The second beacon was a real challenge, as it was on the same frequency as the first, but was only on for one second every minute. Often the two were on simultaneously, making it doubly difficult to hunt. That little *^&*@!# took hours to find, but even it was eventually tracked down. It was a great roller coaster ride, ranging from being on top of the world when we found a transmitter, to being in free fall when we realized we didn't have a clue where the next one was, and back to the top again when we finally tagged it. Can't wait for the next one, Saturday Dec 1. This time at night(19:00L). Keep an ear out on VE3TWO for details, or just roll on out.



The simulated emergency test by EMRG/Ottawa ARES went well, although we could have used a few more participants. Lots of traffic got moved, and we all learned a little bit more. I hope to see you at the next one.

This weekend it snowed. Maybe not here in town, but up in the wilds of Val-des-Monts there was enough snow in the air (and the trees) to make for classic antenna weather. We took all the snow out of the trees and carefully put it into the space between parka and neck. Having cleared the trees of snow, we then returned what seems like a kilometer of wire to its rightful place in the sky. We are now ready to activate VE2OJ to take on Murphy, the propagation gods and the ARRL 160m CW contest in early December.



Those folks in the exec keep coming up with interesting meetings for us.. What do you think, is differential GPS via amateur radio an idea whose time is past? Or is it a neat thing to do just because we can? ... Thanks to '3CDA, I have added yet another thing I have to do before I grow up - visit ARRL HQ. Maybe the year I get down to the Dayton Hamfest I will be able to fit it into the plan.

If you are keeping track, I have added the microfiche version of the complete CQ magazine archive to my library. That fits between the complete Ham Radio CD set and the QEX CD set, along with the paper copy collection. 73 magazine is next on the list once I recharge my bank account, and our Peso recovers a bit. If you need a copy of an old article from a ham magazine, let me know. I just might be able to help out.

So.. what have you been up to in hamster land these days?
73.. mk VE3FFK

Internet Radio Linking Project

The progress of the club's IRLP node is advancing better than expected. We changed over the call sign from VE3EV to the club's VE3RC in mid November after a meeting of the project team. We are missing one person who volunteered. I know there was one more person who wanted to be in on this but I can't remember who it was. Please grab me at the next meeting if you think it was you. There are parts of the project that can be farmed out.

We solved the audio problem thanks to VE3YY who allowed his node to be used for testing ours. Thanks Frank. We still have a desensing problem at VE2CRA and I know George is working hard at fixing it. The cold weather is almost upon us so trips to the hill will be fewer. The ID speed was increased as was the pitch. We haven't received any more complaints from the Reflector owners so I guess we can use them.

After the discussion at the last meeting, a CW identifier was programmed into the computer. It comes on when the link is brought up, then repeats itself at about 50 seconds after the link is closed. It is fast and the pitch is below 1K so it is pretty much in the background.

The plan now is to move the downlink from the repeater site to the node station to 440 Mhz. We have the equipment and it is being configured and debugged by VE3ZRK. I now have 440 capability so I can



receive the signal from the hill when it comes on line.

I don't know about you, but I am having a lot of fun with this technology. It is great to show others what Amateur radio is all about. Please take the time to try it. It may take some patience on your part but in the long run it will be worth it.

I am available for IRLP questions after the Capitol City Net on Monday nights. I can also give on-air demonstrations to any other local 2 metre network provided the net managers let me know in advance that they will allow it. I have been asked to give a talk to the Manotick Amateur Radio Club in January and will make myself available to any other club that can stand to hear my jokes.

The more I listen around the bands, the more I hear IRLP being discussed. It is amazing to listen to an entire network being taken over with IRLP questions. The growth and interest in the technology is amazing most old-time Hams who had trouble convincing the Amateur population the SSB and even repeaters were a good thing. It only takes one demonstration to sell this to the population. Even the general public seems interested. Good advertising is even more effective when it is free.

One of my hooks to this technology is based on the interest expressed by the OARC. To that end, I always encourage my audience that although there is no cost to use the local IRLP, support for the club is recommended and can be expressed by becoming a member. Its a small price to pay and the benefits to the Amateur community seem to have no limits.

VE3EV

19 inch rack mounted server. The top unit is the IRLP server. The one below is my web site and the one below that is the server for the rest of the household.



The inside.

The IC-25 is on the bottom left. The IRLP board is in the small box in the middle. No audio or control wires go outside the chassis box. You can just make out the 14 amp 12 volt supply for the rig on the top right of the pix. There is a fan on top of the heat sink to keep it cool.



Everything seems to work.

The Joe Norton Award



The club executive received several nominations for the Joe Norton Award by the deadline date. The selection of the winner was done at the latest executive meeting and the award will be presented at the December meeting.

RAC CANADA WINTER CONTEST CONTEST.....2001



This popular RAC contest takes place on Sunday December 30 at 0000 UTC Until 2359. Each year the RAC headquarters station VA3RAC on Belfast Road is manned by local Amateurs, usually in two or three hour shifts on all HF bands. To operate the two station setup volunteers are needed from Saturday evening at 7pm until 7pm Sunday. If you like operating HF here is a chance to have some fun. We supply the station, coffee and Goodies!

Contact George at 234-0885 (ve3bno@rac.ca) or leave your name at RAC Headquarters 613-244-4367.+

From DC to Green Light

Equipment I Have Loved and Destroyed

Cary Honeywell VE3EV

Something just occurred to me. I never got any Amateur Radio based presents from anyone at Christmas time. I wonder if that is significant.

I'm a bit of a gadget freak. If it is complex, I'll take it apart. It won't ever work again, but at least I know what was in the box. I'm really not that bad but I have had my share of bonfires, Roman candles, sparklers and time bombs over the years. I think I come by it honestly though.

My father was a bit of a radio tinkerer. This was evident by the fact that he kept every Heathkit brochure he ever got. His educational credentials were pretty good. A Master Degree in maths and physics was supposed to lead the way to a very technical life. This was not to be. His brother decided not to follow in his father's footsteps into the practice of Law, so this inheritance fell to my father. He kept his interest alive by working on an old "Victor" radio. He managed to create 4 crystal broadcast band receivers out of this thing, but never could figure out how to hook a speaker to it. (I can



still see this valuable antique reduced to rubble in support of my fathers experimentation.)

Shortly after he finished that last radio, he sent away for a Heathkit FM receiver. Broadcast FM was rare here in Ottawa in the 1950's but he was willing to give it a go despite the rarity of the local transmitters. 6 months later he finished the rig. Mind you, like the crystal radios, he needed an amplifier to hear anything worthwhile. He solved this problem by buying one of those cabinet hi-fi sets that Eaton's was selling. Of course he didn't need the Heathkit anymore but at least he could enjoy the sounds of Fm radio. Now all he needed was a station. I won't go there.

I inherited his Heathkit brochures. I poured through them with mad abandon. State of the art at that time was the Johnson line: Ranger, Viking, Valiant etc. National, Hallicrafters, Collins and TMC rounded out the herd. Heathkit was the idiot cousin. They looked good, but I was always doubtful that they could be build by anyone who had less than a Master's degree in electronics. After all, my father.....

What you wanted in a rig, and what you could actually afford ended up being what kept Heathkit alive for so long. The line at the time was the DX-100, DX-35, VF1 (VFO), and that was about it. I really wanted a DX-100, but I could only afford the DX-35 so I set about trying to get one. There were no Radio Shack's, Wackid Radio, Bytown Marine in the area so I couldn't just pop down to the corner with my money ad grab the latest. Of course the local Hams were anxious to part with these items as fast as they could. One of my Ham club course classmates, Pat Doyle, VE3FWD, had a DX-35 he would be willing to part with. I borrowed it. I guess Clamp Tube modulation, and an oddly placed loading control turned me off so I returned it. I think the final tube was a 1625 (older brother of the 807 which was a tube not filled with beer despite the legend.) The whole thing looked like an afterthought made out of spare parts not used in the DX-100. I returned it. After all I still had the club's DX-60 which ran at 90 watts input to a 6146 and had "Controlled Carrier" modulation. (Whatever that was.)

At some point in 1965 I managed to acquire a DX-40. This rig was the descendant of the DX-35, and an offshoot of the DX-100B rig which fixed most of the problems in the original set. The DX-35 is to the DX-40 as the Douglas DC-2 is to the DC-3 if that makes any sense to you. My receiver at the time was the club's HQ129X and as they wanted it back I had to shop for a replacement. I found the Hammarlund RBG-2: a US Navy version of the HQ129X minus the frills and selectivity of which the 129X had none anyway. The VFO was the venerable VF1 which mated with the DX series. It covered 160 to 10 plus the 11 metre band which we gave up to the 10-4 crowd in the 60's.

You might remember in a previous chapter on Auctions that I mentioned an antenna that I acquired? Well here is the story. My parents lived in Ottawa's Glebe community. Of course I was a teenager so I lived there too. Neither of my parents were thrilled with the ideal of my draping wires all over the place, so I tried to hide them by paralleling existing wires and structures. The thing took so many twists and turns around the property that I ended up calling it a Zepp antenna for want of a better name. It was hardly as Zepp since it meandered from the front of the hose to the ground, then back up to a neighbor's tree, then back down to a fence, then up to a fire escape on the back of a house on the other block. It was end fed with open ladder line to the centre of the wire. Sort of a dipole. It worked! I fed the whole thing with a home-built antenna tuner. I wondered at the

time why the tuner seemed to be able to get good SWR at two points on the tuning capacitor. I was getting out so I figured that it was ok.

My first "Pink Ticket" from the Acton monitoring station should have alerted me to a problem. It didn't. It took a second ticket and a suspension of privileges on 80 metres to finally convince me that all was not well. I was transmitting not only on 80 metres, but also up in the 5 Mhz range. Do the math. The VF1 output on 1.8 Mhz. Doubled to 3.6 and triples to where? But why? Remember that I said the tuner had good SWR in two places? I measured the antenna. It was cut for 5.4 Mhz. I was louder in the International Broadcast band than I was in the Ham bands.

Being that VE3EBH, me, could not set foot in the 3.5-4 Mhz band, I was left to find another outlet. All the nets I participated in were on the 80 metre band. I was banned from that band so I established myself at another location. Carleton University had their Amateur Radio Club in the field house, out near Bronson Avenue. With the agreement of Des Ramsay, VE3FSO and other legitimate members of the club, I was allowed to operate VE3OCU so long as noone else wanted it.

The club equipment consisted of a National NC-300, which replaced the RBG-2 that I bough from them, a Yaesu FL-100 transmitter, predecessor to the FT101, a linear amplifier that they fondly called the "Harmonic Generator", a DX-50 and a VF1. I avoided the latter two items.

When OCU was occupied, I often went uptown to the World Scout Bureau at 77 Metcalfe Street. Len Jarrett, VE3EWE, ran the Amateur station which the Scouts had installed there. Once again Heathkit gear, but this time it was the Apache, Mohawk, SB10 combo with the matching Linear and a 3 element tribander mounted on the top of the building; about 140 feet up. I worked a significant amount of DX while there, but I longed to get my 80 metre privileges back.

During this period of time, my bedroom doubled as my hamshack as is often the case with young Amateurs. David Sinclair, VE3FUD and Ken Stollery, VE3FPS, both of whom went to the same school as I did, instructed me on the fine art of getting Amateur gear past Mom and Dad. They must have had more lenient parents because I always felt like I was passing through Canada Customs whenever I brought home something from an auction. When I was building the "Cake Pan Transmitter", I was able to smuggle all but the power transformer past the inspector without being noticed. I had to buy the transformer from Mailes Dier, VE3BCO, and when this six foot three giant showed up at the door to give me the component, it was hard to hide the fact that I was doing some building up in my room. After the first electrolytic capacitor blew up I was banished to the basement for the rest of my time in that household.

The basement had its own door to the outside!

Next month: More Equipment I Have Loved and Destroyed.
VE3EV





Ottawa Amateur Radio Club

Groundwave

Dec 2001

The Ottawa Valley Mobile Radio Club

Presents

“CHRISTMAS VARIETY SHOW 2001”

Where: Auditorium, Canada Science and Technology Museum,
1867 St. Laurent Blvd., Ottawa

When: Thursday, 8:00 pm, December 13, 2001

Who: Local Talent

Why: To celebrate Christmas and the end of the year

The Ottawa Valley Mobile Radio Club (OVMRC) will, again, host an entertaining and talent laden Christmas Variety Show.

All amateurs, their friends, wives and family are welcome to attend this free gala evening of music, song and merriment.

This invitation is also for the entire staff of the Canada Museum of Science and Technology.

You are cordially invited to enjoy the entertainment sitting in the comfort of the 260 upholstered seat theatre with its new upgraded audio and visual system. And to add to the festive evening, Christmas refreshments will be served outside the auditorium immediately following the show!

Contact Ken Barry - by e-mail : kennan@storm.ca or by telephone - 613-746-4823

ARRL Approves Afghanistan Operation for DXCC

The ARRL DXCC Desk reports it has received acceptable documentation for YA5T in Afghanistan and has approved it for DXCC credit. The license, which authorizes operation on all bands--including 6 meters--was issued by the Islamic Republic of Afghanistan government that's still recognized by the United Nations. YA5T is being operated by Peter Casier, ON6TT, as well as by Mats Persson, SM7PKK, Robert Kasca, S53R, and Mark Demeuleneere, ON4WW. All are in Afghanistan working for the UN World Food Program. The documentation is for contacts made on or after November 20, 2001. "No other call signs or operations have been approved as of this date," ARRL Membership Services Manager Wayne Mills, N7NG, said on November 26. Casier also has operated as YA/ON6TT/m.



From: RAC Headquarters

Date: November 27, 2001

Subject: RAC Executive for 2002-2003



On Sunday, November 25, 2001, the RAC Nomination Committee met by teleconference under the direction of Chair Robert Kirkpatrick VE9VAR, to elect the Executive officers for the 2002-2003 term. The results of the elections follow:

President: William Gillis VE1WG
1st Vice President: Joe MacPherson VE1CH
Vice President Regulatory Affairs: James Dean VE3IQ
Vice President Government and International Affairs: Kenneth Pulfer VE3PU
Vice President Industrial Liaison: Don Rowed VE3KII
Vice President Field Services: Pierre Mainville VA3PM
Treasurer: Bill Rothwell VE3FGW
Secretary: Dawn MacKay VE1MAK

The RAC Board of Directors extends sincere thanks to the outgoing Executive members for their dedication to and participation in the organization during their time in office.

The newly-elected Executive will assume their positions on January 1, 2002.

Dawn S. MacKay VE1MAK
Corporate Secretary
Radio Amateurs of Canada

QST de W1AW

From ARRL Headquarters Newington CT

November 14, 2001

To all radio amateurs. W1AW seeking 40-meter reports Maxim Memorial Station W1AW has made some hardware changes to its 40-meter bulletin/code practice transmitter and now is seeking signal reports. Reports should note location, time of reception, mode, signal strength and quality. Use of the standard RST system is acceptable. Mail reports on a postcard to W1AW 40-meter reports, 225 Main St, Newington, CT 06111. E-mail reports may be sent to w1aw@arrl.org. W1AW's schedule calls for Morse practice Tuesdays through Fridays, 9 AM Eastern and Morse practice/bulletins Mondays through Fridays 4-6 PM Eastern, both on 7047.5 kHz. The weekday digital transmission begins at 6 PM Eastern on 7095 kHz. A phone bulletin is transmitted daily at 9:45 PM Eastern on 7290 kHz.

CONGRATULATIONS

To Neil Carleton, VE3NCE and Bob Clermont, VE3AKV, for their efforts in linking the ISS and the Nepean IRLP so that the world could hear the kids from R. Tait McKenzie Public School, in Almonte, Ontario, talk to the International Space Station. The effort received many compliments from the other IRLP owners. Well done!

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)
 Single (\$20 (\$15 after 1 Feb)) Family (\$25) Junior (\$10)

Family Name: _____ First Name/Initials: _____

Address: _____

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: _____

Would you prefer to have a mailed hard copy of the groundwave or an emailed PDF file?

Mailed Copy Emailed PDF Copy Email Address _____



BML Communications

(a division of Bytown Marine Limited)

5 Corvus Court, Nepean, ON, K2E 7Z4

Tel: 613-723-6424 Fax: 613-723-0212

Email: gwalker@bml.ca

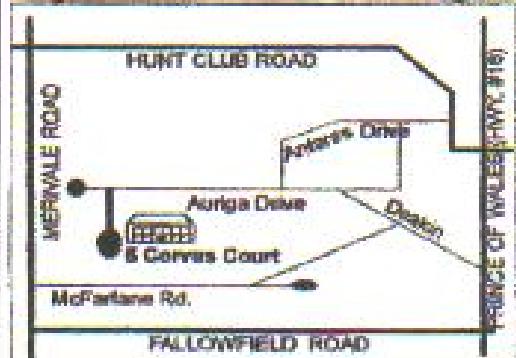
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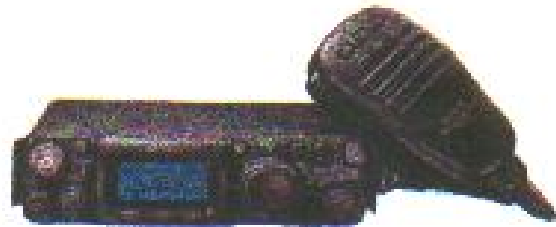
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FT-817



HF/VHF/UHF 5-WATT BACKPACK TRANSCEIVER

Product Concept: Fully Self-Contained
Battery-Powered Low Power Amateur Transceiver for
Portable/Camping/Mountain top Use.

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)

Power Output: 5 Watts SSB/CW/FM with 13.8V
External DC; 1.5W AM Carrier. 2.5 Watts SSB/CW/FM
with 9.6V Ni-Cd Pack or 5 "AA" batteries (AM: 0.7 W);
Up to 5 W SSB/CW/FM power (max.) programmable via
Menu on Ni-Cd/AA cells.

Operating Modes: USB, LSB, CW, AM, FM, W-FM,
Digital (AFSK), Packet (1200/9600 FM).

Digital Modes: RTTY, PSK31-U, PSK31-L, and User
defined USB/LSB (SSTV, Pactor, etc.).

Case Size: 5.31" x 1.5" x 6.5" (WHD)

Weight: 2.6 lb (w/Alkalines & Antenna, w/o Mic.).

"The Ottawa Area's Ham Radio Dealer"