

MAY 1995



NEXT GENERAL MEETING WILL BE HELD  
WEDNESDAY, MAY 10, 1995

# GROUNDWAVE



Club Call VE3RC

Repeater VE2CRA

VE3RC

## Official Bulletin of the Ottawa Amateur Radio Club, Inc.

The Ottawa Amateur Radio Club, Inc., Box 8873, Ottawa, Ont., K1G 3J2

President	Roger Swickis, VE3BZR	234-9836	228-6310
Vice-President	Richard Hagemeyer, VE3UNW	225-3275	953-0638
Secretary	Larry Woran, VE3WLN		
Treasurer	George Roach, VE3BNO	234-0885	738-2372
Past-President	Paul Coverdale, VE3ICV	820-6643	763-4277
Directors	Paul Griffiths, VE3PGL	592-6754	
	Ed Sieb, VA3ES		
	Bob Paterson, VE3IDG	825-7070	941-0533
Packet Group Chair	Bob Paterson, VE3IDG	825-7070	941-0533
Repeater Chair	Harrie Jones, VE3HYS	739-9365	738-2372
Net Manager	Wayne Greenough, VE3JSQ	836-5320	724-5464
EMI Committee Chair	Ralph Cameron, VE3BBM	825-1634	225-2850
Membership Chair	Tom Eyre, VE3QDX	737-5367	
Nat. Cap. Award Manager	Brian Summers, VE3JKZ	523-1535	738-6263
Publicity	Mike Pilon, VE3BUP	731-1567	
Groundwave Editor	Ed Sieb, VA3ES	738-8924	
Graphic Designer	Maria Townson, VE3KIP	828-9573	
Production Committee	Paul Campbell, VE3CEP	733-0148	
	Ted May, VE3ADZ	741-0862	
Delegated Examiners	Richard Hagemeyer, VE3UNW	225-3275	953-0638
	Mike Kelly, VE3FFK		788-2600
Coffee Guy			

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 Capital 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 Champlain Room (2nd floor of the Old Teacher's College) of the RMOG HQ complex on Lisgar St., Ottawa, at 1915 hours. Further details about each meeting is elsewhere in this publication.

THE OARC EXECUTIVE normally meets on the second Wednesday of each month at 1930 hours. Contact the President to confirm the date of the next meeting.

PACKET RADIO MEETINGS will be held at 7:30 p.m. on the last Thursday of every 2nd month, starting September 1993, at the Museum of Science and Technology. This is an OARC technical meeting open to all who have an interest in packet radio.

DEADLINE FOR COPY is the second Wednesday of each month. Make yourself better known to fellow members and other amateurs, too, by giving us an article, technical or otherwise, relative to our hobby.

MATERIAL PUBLISHED herein does not necessarily represent the official OARC viewpoint. Items may be reprinted by Amateur Radio or other publications provided that proper credit is given to the author and to the OARC, Inc.

JUNIOR MEMBERSHIPS - To encourage young people to join the club and to participate in amateur radio, the club is opening a junior class of membership. Dues will be at a 50% discount but the junior member must pick up his/her copy of the Groundwave (preferably at the meeting).

RADIO AMATEUR CALL BOOKS are available at many local libraries. Ask at the information desk.

SAFETY BELTS AND AN ENGRAVING PENCIL are available for loan to club members. The engraving pencil (to mark valuables for identification in case of loss or theft)

and the safety belts with pole straps are available to any members. For the belts, a refundable deposit consisting of a cheque equal to the replacement value of the belts is required. Contact the President for the engraving pencil; and Paul, VE3ICV, at 820-6643 (West End) or Brian, VE3JKZ, at 523-1535 (East End) for the belts.

THE CAPITAL CITY NET meets every Monday at 2000 hours on the Club Repeater VE2CRA (146.34/.94) to pass traffic and to make announcements of interest to amateurs in the National Capital Region.

PACKET RADIO VOICE NET meets following the Capital City Net on VE2CRA at 2040 hours. This is an informal net to answer questions about packet radio, pass along operating hints and provide information for future packet operators.

THE SWAP NET is a service provided and conducted by Ed Morgan, VE3GX. This feature appears on the Capital City Net, noted in the foregoing paragraph. To list items and make inquiries, call Ed Morgan at 733-1721.

POT-HOLE NET is a SSB/HF net sponsored by the Ottawa Valley Mobile Radio Club, and conducted every Sunday at 1000 hours on 3.760 Mhz. All amateurs are welcome to check in. The Swap-Net is a regular feature.

POT-LID CW NET is an informal slow-speed CW net sponsored and conducted by Ed, VE3GX, and meeting every Sunday, except during July and August, at 1100 hours on 3.620 Mhz, to promote interest in CW and CW procedures.

REPEATERS

VE2CRA	Voice	146.94/34
		443.300/448.300
VE3OCR	Packet	145.01(sx) Inter city links
VE3OCR	Packet	145.07(sx) Local Area net
		for QSO and Packet BBS.
56 kbps	Packet	220.55/433.55
VE3XDX	Packet	145.11(SX)

For further information, please contact repeater chairman.

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MINUTES OF OARC GENERAL MEETING  
HELD APRIL 12, 1995

The meeting was opened at 7:39 p.m. by the Vice-president, Richard, VE3UNW. Richard welcomed all members and visitors to the "meeting-room-of-the-month". "Nice room, we'll keep it". As last month, the club's room booking was bumped again, due to a "higher priority".

Richard solicited ideas for this year's **Field Day** location. One suggestion was Corkstown Rd.

The Nominating Committee for the upcoming elections will begin their work. Paul Coverdale, VE3ICV will be calling nominees.

Up-coming Flea Markets and Hamfests were announced. A complete listing of regional 'fests and Flea Markets will appear in the May issue of GROUNDWAVE.

Mike, VE3FFK, announced a Bunny Hunt to be held April 22, starting at 4 p.m. It will be a two-level hunt, level I & V. The hunt will be conducted by Mike and Al, VE3ZDU.

Richard introduced the evenings scheduled event, **Home Brew Night**. The three participants who entered their projects were Mike Kelly, VE3FFK, Peter Jago, VE3PWJ, and Clare Fowler, VE3NPC.

Mike brought in two items. First was portable, battery operated touch tone decoder for selective calling, with a "LiTZ" feature, ("Long Tone Zero") for group calling during an emergency. The second item was a modified commercial

iambic keyer/paddle with an added output jack from the paddles. This will allow the user to hook up the paddles separately to any modern HF rig with its own built-in keyer.

Peter showed off his satellite station. He brought in a 32 element, long boom yagi for 1296, with a cast balun feed. Also displayed was an interesting integrated UHF PA block. And the final item for his satellite station was his transverter kit (still in progress). Peter also showed one other unique item: his home made battery eliminator for his 2-meter handy-talkie. This item was constructed out of a single block of cast aluminum. Inside is an 8V regulator. The craftsmanship was impeccable.

Clare brought in an assortment of antennas, and VHF/UHF antenna parts. First off were his home-made "tomato" stake antennas. These two antennas, a 2-m quagi and a UHF helical had all their boom and support elements entirely constructed from fibreglass fencing tension support rods. Next was his home-brew 4-way power combiners for VHF and UHF. Using an AEA antenna analyzer, the VSWR curves over their normal frequency ranges were displayed, plotted and displayed. Both combiners showed absolutely flat responses, evidence of Clare's expertise and excellent craftsmanship. Clare also displayed his home-brew 2.4 GHz front end pre-amp, using tiny chip capacitors, and an interesting interdigital 3 stage filter.

After some deliberation and a needed coffee break, the evening's three judges, George VE3BNO, Richard VE3UNW and Ed VA3ES, made their tough decision. It was agreed that all three entrants had made very good efforts and had brought very interesting items.

The winner was Clare Fowler, VE3NPC. The judges felt that his projects had the most "home-brew" content, and displayed a greater degree of home craftsmanship and ingenuity. Special mention was made

of Mike's unique decoder, and Peter's jewel-like battery eliminator.

Richard VE3UNW mentioned that a new club in Quebec would be temporarily using VE2CRA for occasional nets during the summer months, while their own repeater facilities are being organized.

The Technical Achievement plaque has been recovered from a previous holder, and was awarded to the evening's winner Clare Fowler.

The meeting was closed at approximately 9:30 p.m.

#### THE 2-METER BURGLARS STRIKE AGAIN

Robert Peschka, K7QXG

Have you ever had your radio ripped off? Did you get it back? No? Well maybe this brief article will explain why. Several years ago, I was directing the undercover operations of a special detective team in a major city here in the Pacific Northwest. One of our investigations led us to a gang of burglars that used the latest in electronic technology to stay one step ahead of the police. They made a practice of stealing Amateur Radio equipment and then using it for communications whenever they made their weekend "raids" on the community. I don't have the space available to tell the entire story, which was one of the most exciting of my 30-year career, so we will pick it up at the very end.

One of our undercover detectives had managed to penetrate the gang and learned that they had a spectacular burglary planned for a Sunday evening in the West Hills of the city. This was a residential area of the very wealthy and affluent citizens. They arrived at the target home on schedule...driving a large U-Haul truck which they drove right up to the front door. To get there they drove

over the beautiful lawn and through a bed of gorgeous roses. As they began to remove everything from the house and placed it in the truck, the detective team, assisted by several uniformed officers, swept in from all sides and arrested the burglars.

Back at detective division headquarters the gang leader..."Burglar Jim"...was interviewed. He was a rather bright individual who had ripped off many amateurs in the metro area. He and his gang would then use the two Meter equipment for their communications.

Burglar Jim admitted that he had a few more of the radios at his apartment in the southeast part of the city. Our detective team quickly obtained search warrants and searched Burglar Jim's home. We recovered more than \$125,000 worth of stolen property, including numerous 2 Meter handhelds (working and not working), some 440 equipment, HF equipment, and lots of computer items and other electronic goodies. Burglar Jim had even furnished his apartment with stolen property, including the couch, table and chairs, refrigerator, TV, and stereo.

The arrests and recovery of stolen property received great press coverage and for a few days we were walking on cloud nine. Then news began to trickle in that tempered our high spirits. It seems we could not trace the Amateur Radio equipment to its owners! Even computer searches of reported thefts were to no avail. Only one amateur was made happy by our efforts. So what happened to all the equipment? The city held the property for a legal period of time, while a sincere effort was made to find the owners, and it was then sold at city auction - a common practice in many cities. The radios were sold for pennies on the dollar...and I do mean pennies! I was not allowed to bid on the radios because I was a city employee, and I could only stand by and weep as the bidding went on.

Ordinarily a detective might not appreciate the loss, but I was an amateur (K7QXG), and it hurt to see someone's treasured investment being sold for peanuts. I then thought about my own equipment. It turned out that I was just as guilty as everyone else! Not a single item in my station was engraved with my driver's license number or other identifying information. I can assure you that I have since remedied that.

One last thought: It is of no value to engrave your Social Security number on your equipment because the police are not allowed access to Social Security information (privacy laws, you know!)

Burglar Jim received a lengthy sentence in the state penitentiary. He has since been paroled. Twice.

(Editor's Note: The author has since retired and lives in quiet anonymity in Aloha, Oregon where he is frequently found on 10 Meters.)

de WORLDRADIO

#### RAC NEWS

BULLETIN 12-95 - 17 APRIL 1995

Issued at RAC Administrative Office  
614 Norris Court, Unit 6  
Kingston, ON K7P 2R9  
Editor: Cam Inglis VE3UXN

#### RAC AGM AND FORUM, APRIL 23 IN OTTAWA

The Radio Amateurs of Canada (RAC) Annual General Meeting will be held beginning at 1300 on Saturday, April 23, 1995 at the Talisman Hotel, 1376 Carling Avenue, Ottawa. Following the AGM, there will be a RAC Forum. All RAC members are encouraged to attend.

#### FIND VE3JW AT THE MUSEUM OF SCIENCE AND TECHNOLOGY IN OTTAWA

Here is how John Moffat VE3NJ described Amateur station VE3JW in his column in the Ottawa Valley MRC Rambler.

At the Museum of Science and Technology, the new communications exhibit is nearing completion. There will be exhibits on naval, air and terrestrial communications themes. Within it, the Amateur station VE3JW will be reinstalled. I have seen the layout and it is impressive.

A long sweeping console that can be watched easily by the general public has space for at least two operators communicating on different bands or modes. There is also ample space for other Amateurs present to explain to the public what they are witnessing. A layout like this would be the envy of any seasoned operator.

Several HF and VHF stations, complete with accessories, will grace the operating positions. For antennas, there is a VHF vertical, a 80 metre dipole, a HF multiband vertical and a seven element beam.

If operating the station would interest you, contact Jerry Wells VE3CDS.

#### AMATEUR RADIO AND THE WAR IN CHECHNYA

A recent Peterborough ARC bulletin related a story about the war being waged in Chechnya. The Russian Amateur Radio Emergency Service (RARES) is aiding the Russian Red Cross in an effort to locate refugees whose numbers exceed 300,000. In a March report from the area, more than 3500 messages had been received from relatives in Russia seeking news of their friends and next of kin in the war area.

The Russian Red Cross has about 20 employees involved in the search for family and friends. They depend on what telephone service exists and a paper filing system, computers are non-existent.

Earlier in the war, there were several local stations active in the emergency net, but these stations are now off the air and the whereabouts of the operators is unknown. RARES operators are

expecting to establish stations within the war area as soon as conditions permit.

SANTA CLAUS NETWORK REACHED OUT AND TOUCHED MANY

Organizers and volunteers of the Santa Claus Network in Collingwood, Ontario, know the value of their work and are already at work organizing for 1995. This inspiring story occurred during the 1994 net and was reported in the Guelph ARC bulletin.

A small boy was waiting with his father for his turn to talk to Santa. He was listening intently to the voices of Santa and his elves crackling from the speaker of the ham radio on the table. A few minutes later, it was his turn. Santa's Amateur helper motioned him to come to the radio and take his turn talking to Santa.

This little five year old was very shy and wasn't sure he really wanted to talk on the radio. As it turned out, he didn't say anything to Santa, but Santa talked to him. Santa knew his name and was talking directly to him. No mistaking it, Santa did know him and was talking to him, and him alone. The boy's eyes twinkled and he was grinning from ear to ear.

Too soon it was over and Santa moved on to another child. The ham operator then noticed the little boy tug his dad's sleeve and whisper, "I talked to Santa Daddy."

The Amateur operator noticed tears in the father's eyes as he stooped to hug the boy. The father later explained how the boy had lost his mother a year before and this was only the third time he had spoken since she passed away.

1995 HAMFESTS FOR CANADIANS

From: RON VE3ORP @ VA3BBS OR  
705-324-2711

22APR95

WEST ISLAND ARC (MONTREAL QUE.)  
FLEAMARKET AND AUCTION  
TRANSFIGURATION OF OUR LORD CHURCH  
11775 FILION (CORNER DUDEMAINE & FILLION)  
ST. LAURENT (CARTIERVILLE) QUE.  
TI 146.910 (-)  
VENDORS 7.00 AM., PUBLIC 8.00 AM.  
CONTACT SHELDON 514-462-1459  
OR MARK:MD\_HILL@CAM.ORG.  
OR JAMIE VE2FN 514-484-3241 OR  
VE2FN@VE2FKB

28-30APR95

DAYTON OH @ DAYTON HARA ARENA  
INFO DAYTON HAMVENTION  
BOX 964 DAYTON OH. 45401-0964  
513-276-6930  
146.940- AND 146.910-

06MAY95

SKYWIDE ARC HAMFEST (TORONTO ONT)  
WESTWAY UNITED CHURCH,  
8 TEMPLAR DRIVE, ETOBICOKE (TORONTO)  
TI 146.985(-) AND 146.520(S)  
8.00 AM VENDORS, 9.00 AM PUBLIC  
INFO CONTACT VE3NIT GARRY 416-233-2669  
VE3TEY MAURY 416-231-1816  
VE3CRB JOHN 416-244-1292  
CHURCH BACKS ON KIPLING AVE., BETWEEN  
DIXON RD. AND WESTWAY AVE.  
(401 TO ISLINGTON, SOUTH ON ISLINGTON TO  
HOLYWELL (4 BLOCKS SOUTH OF DIXON RD.),  
WEST ON HOLYWELL TO TEMPLAR, QEW OR  
GARDNER EXIT, KIPLING AND GO NORTH

07MAY95

SMITH FALLS ONT (SUNDAY)  
RIDEAU LAKES ARC HAMFEST  
LOMBARDY FAIR GROUNDS  
8 KM SOUTH OF SMITH FALLS ON HWY. 15  
TIME 1 PM. - 5 PM.  
TI 147.81/21  
INFO DON SLATER VE3BID 613-283-3570 OR  
FAX 613-283-9506  
ART CHILDERHOSE VE3CGD 613-283-9488  
OR PACKET @VE3ICF

13MAY95

OTTAWA VALLEY MOBILE RADIO CLUB  
MCNABB ARENA, 180 PERCY ST. OTTAWA  
VENDORS 7 AM., PUBLIC 9 AM.  
TI 147.300 (+)  
INFO VE3KJB BARRY, 613-746-4823

13MAY95

QUINTE ARC (AT BELLVILLE ONT)  
HAS BEEN CANCELLED (INFO FROM JIM VE3RTV)

13MAY95

PARRY SOUND ONT.  
PARRY SOUND OPTIMIST CENTRE  
SMITH CRESC., PARRY SOUND.  
TI 145.490 (-) VE3RPL  
VENDORS 7.00 AM., PUBLIC 9.00 AM.  
INFO VE3XNO DIEDRE FLEMING 705-342-9682  
RR 3 PARRY SOUND ONT. P2A-2W0  
VE3ARE @ VE3PSP  
BY PARRY SOUND ARC., NORTH BAY ARC.,  
MUSKOKA ARC.

13MAY95

QCWA CHAPTER 73 (SOUTHERN ONT.) MEETING  
PLAINS MAN RESTAURANT  
TWO MILES WEST OF CLAPPISON CORNERS (HWY  
5 AND 6) NORTH OF HAMILTON ONT.  
INFO TED BODMAN VE3CD 519-885-6223  
FRED HAMMOND VE3HC 519-822-8323

19-21MAY95

ROCHESTER NY. @  
MONROE COUNTY FAIR GROUNDS,  
ROUTE 15A, ROCHESTER NY.  
AT CALKINS RD.  
TI 146.280/880  
TICKETS AF2K, I.J., GOODMAN  
515 DRUMM RD.,  
515 WEBSTER, NY., 14580  
VENDORS ROCHESTER HAMFEST.  
300 WHITE SPRUCE BLVD.,  
ROCHESTER NY. 14623  
FONE 716-424-7184  
FAX 716-424-7130

27MAY95

WEST KOOTENAY (BC) HAM FEST 9.00 AM.  
AT THE MINERS HALL  
ROSSLAND BC.  
CONTACT VE7OBD DAYLE 326-5874 ROSSELAND  
VE7EQL LARRY 364-0314 TRAI;  
VE7EQL@VE7CW PACKET

28MAY95

"HAMFEST DU QUEBEC" SOREL-TRACY  
C.P. 533, SOREL  
QUE. CAN. J3P-5N6  
AT THE CURLING CLUB, TRACY QUE.  
T1 VE2RBS 145.370 (-)  
VE2FCT 146.610 (-)  
146.520 (S)  
INFO VE2IDE EUCLIDE 514-742-7226  
VE2JCE@VE2CBS

03JUN95

KITCHENER-- CENTRAL ONTARIO AMATEUR  
FLEAMARKET--  
BINGMAN PARK, 1380 VICTORIA ST., N.,  
KITCHENER ONT.  
VENDORS 6.00 AM., PUBLIC 8.00 AM  
CONTACT VE3GJE TED EATON 102-21 WOODLAWN  
RD.E., GUELPH ONT., NIH-1G6 519-823-1027  
TI VE3KSR 146.970 (-) VE3ZMG 145.210 (-)  
146.520

03JUN95

COTE ST.LUC FLEAMARKET  
MOSCOVITCH ARENA,  
6985 MACKLE RD., COTE ST.LUC, QUE  
TI: VE2RED 147.270 (+)  
INFO VA2IR IAN 733-3986 AFTER 6 PM LOCAL  
VE2VE JIM VE2VE@VE2TCP.#MTL.PQ.CAN.NOAM  
BY COTE ST.LUC ARA AND MONTREAL ARC

03JUN95-10JUN95

ROME NY.  
OWEN SOUND (ONT) FLEA MARKET  
VENDORS 8.00 AM., PUBLIC 9.00 AM.  
INFO "BOB" 519-376-8060  
NO INFO ON LOCATION AS YET

11JUN95 LANCASTER NY.15-18JUN95

RED DEER ALBERTA PICNIC AND HAMFEST  
CENTRAL ALBERTA RADIO LEAGUE  
TI 147.150 (+)=146.520  
INFO JIM VE6QA 403-346-9261 RED DEER  
BOB VE6BLD 403-782-3438 LACOMBE  
VE6BLD@VE6RDR.AB.CAN.NA.

08JUL95

ONTARIO HAMFEST  
MILTON ONT. FAIR GROUNDS  
BURLINGTON (ONT)ARC.  
INFO BURLINGTON ARC., PO BOX 85037  
BURLINGTON ONT. L7R-4K3  
OR VE3LWL ROGER 905-336-2207  
TIME 7.00 AM COMMERCIAL VENDORS (ROBERT  
ST. GATE ONLY)  
8.00 AM TAILGATERS (ROBERT ST. GATE  
ONLY)  
9.00 AM GENERAL PUBLIC (THOMAS ST.  
GATE ONLY)

14JUL95

GENESEE RA @  
ALEXANDER NY.

05AUG95

JEFFERSON COUNTY ARC @  
CLAYTON MUNICIPAL ARENA, CLAYTON NY.  
INFO JEFFERSON ARC  
PO BOX 523 BROWNVILLE NY. 13615

04-06AUG95

FREDRICKTON NB. ARC.  
INFO GARY VE9AI @ VE9VT  
OR MR.D.HILDEBRAND  
33 ROBINSON DR.,  
FREDERICTON NB. E3A-1L7  
PHONE 506-450-7449 OR FAX  
506-458-1334

12AUG95 ITHICA NY.19AUG95

BRANTFORD RADIO CLUB (ONT)  
BURFORD FAIRGROUNDS, BURFORD ONT  
HWY 53--15KM WEST OF BRANTFORD  
8.00 AM TILL 1.00 PM  
TI VE3TCR 147.150 OR 443.025  
INFO VE3RLX, RICHARD LA ROSE;  
153 DUNSDON ST.,  
BRANTFORD ONT. N3R-6N3 - 519-752-2437  
PACKET GARY VE3TDI@VE3CDX SWON CAN NOAM  
OR BRANTFORD ARC  
PO. BOX 25036  
BRANTFORD ONT N3T-6K5

09SEP95

VICTORIA HALIBURTON ARA (LINDSAY ONT)  
PO BOX 835, LINDSAY ONT. K9V-5N3  
AT THE LINDSAY ONT FAIR GROUNDS TI  
147.195 (+) AND 146.520  
INFO DREW VE3AAU 705-786-3503(R) OR  
705-324-7586(B)  
BRIAN VE3YUS 705-799-5725(FAX)  
DREW VE3AAU@VE3KPG BBS  
TIME 9.00 AM. TO 2.00 PM.==VENDORS 7.00  
AM.

16SEP95

KINGSTON ARC FLEA MARKET  
ST.MARGARET'S UNITED CHURCH  
690 SIR JOHN A. MACDONALD BLVD.,  
KINGSTON ONT.  
EXIT 615 SOUTH OF HWY 401 (ACROSS FROM  
SEARS)  
TI 146.94 (-)  
INFO VE3VJF ROY CLARKE 613-384-5900 OR  
VE3VJF@VE3CDY  
VE3JCQ JOHN WOOD 613-389-3152 OR  
VE3JCQ@VE3CDY  
VENDORS 7.00 AM. PUBLIC 9.00 AM.

17SEP95 BUFFALO NY.07OCT95

HAMILTON ARC @  
MERRIT HALL  
ANCASTER FAIR GROUNDS HWY 53  
TI 146.760 (-)  
VENDORS 7.00 AM.,PUBLIC 9.00 AM.  
INFO HAMILTON ARC  
PO BOX 91215  
EFFORT SQUARE POSTAL OUTLET  
HAMILTON ONT. L8N-4G4  
FAX ONLY 905-644-4828

21OCT95

GREENWOOD (NOVA SCOTIA) AMATEUR RADIO  
CLUB  
GREENWOOD COMMUNITY CENTER  
INFO VE1FLY @ VE1DRG.#CBRK.NS.CAN.NA.  
OR 902-765-4660 DEREK SQUIRE  
TI 147.240 (+)

73 DE VE3ORP--RON IN LINDSAY==SK==