

SEPTEMBER 1995

THE GROUNDWAVE



NEXT MEETING WILL BE HELD
WEDNESDAY, SEPTEMBER 13, 1995

Club Call VE3RC

Repeater VE2CRA



Official Bulletin of the Ottawa Amateur Radio Club, Inc.

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

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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 RMOH 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, OARC MEETING MAY 10, 1995

The meeting was called to order by the President, Roger VE3BZR at approximately 19:30.

Roger invited any guests to sign the guest book to receive a complementary copy of the Groundwave. Three guests introduced themselves; Arnold KB4IWE/VA3IWE, Leo KB4SNP and Doug VE3DWK. Members were asked if anyone needed technical assistance or help. One amateur inquired as to causes why his FT 101B went down to half power. It was suggested that his final may have gone soft and need replacing.

Paul Cloverdale announced that the elections would be held next month and that while certain individuals have indicated their willingness to stand again that anyone can run for any of the positions. Members were encouraged to see Paul if they were interested in standing.

Roger announced that if the club wishes to have a flea market this year that volunteers are going to have to step forward. While some members have indicated they would help, people are needed to coordinate the event. Please see any member of the executive if you can help.

Roger presented Mike James, VE3PDE with a plaque recognizing his dedication over the past ten years as the editor of the Groundwave and thanked him on behalf of all of the members of the club. Mike accepted the plaque and acknowledged the contribution of Maria. Graham VE3BYT announced that his Realistic HTX 202, s/n 0086790 was stolen from his car in the area of King Edward and Rideau. The serial number can be found under the belt clip.

Richard VE3UNW introduced the evening's speakers, Frank Fullum and Chris Murray of Worldlink Internet. Frank and Chris took us through the history and growth of the internet from ARPNET to what it is today. With the use of a projector they were able to connect to their service and demonstrate telnet, FTP, WS Archie, and Netscape (web browser). The OARC Web Page was viewed showing pictures of the various members of the packet working group and the local repeater map. Frank also demonstrated how you could search for a certain area of interest, such as amateur radio and the utility would come back with a detailed list of files. At the end of the presentation pamphlets advertising Worldlink's services were available for anyone to take home.

Roger closed the meeting at 21:15, followed by a ragchew and coffee.

MINUTES, OARC MEETING JUNE 14, 1995

The meeting was called to order by the President, Roger VE3BZR at approximately 19:40.

Roger invited any guests to sign the guest book to receive a complementary copy of the Groundwave. The club congratulated Mark, VA3BRB, who had just received his license and would be on 80m soon and hopefully on 20m in a month's time.

Roger invited Doug Frame VE3JDF to advise the members on what was happening with RAC and the ongoing negotiations with Industry Canada. Doug explained that there have been changes to their previous plan due to recent budget cuts in Industry Canada (IC). He further explained that delegation was still a priority issue with IC and RAC in that RAC would establish a separate incorporated company and would deal with assigning call signs, certification of examiners, examinations, question banks, etc. In preparing for this step RAC was looking for an individual to take on a 5 to 6 month project, for which they would be paid by IC, and examine all aspects of the delegation and report back as to a proposed course of action. Anyone interested was advised to get in contact with Doug. Doug also indicated that they were seeking suggestions to name the new company, such as Ham Serve. Anyone making suggestions were asked to consider that the name would have to be bilingual. Doug also announced that the RAC would soon have its own home page on the Internet.

Mike VE3BUP wore his "ice breaker" golf shirt which he had made at a photo shop at the St. Laurent Shopping Centre. Mike had his QSL card reproduced (enlarged approximately 4-5 times original size) on the front of the shirt and had several DX QSL cards printed on the back. Mike also updated us on his efforts to promote amateur radio and tourism in the Ottawa area through the use of QSL cards featuring some aspect of the Ottawa area. He has contacted several layers of bureaucracy with no avail. Mike has most recently contacted John Manley, Minister of Industry Canada for his support.

The elections of the executive for 1995/96 were held. The following individuals, having agreed to stand were elected by acclamation; President, Richard Hagemeyer VE3UNW, Vice President, Paul Coverdale VE3ICV, Treasurer, George Roach VE3BNO, Secretary, Larry Woram

VE3WLN, Directors, Peter Hafichuck VE3LBW and Bob Peterson VE3IDG.

Roger closed the meeting at 20:35, followed by a ragchew and coffee.

mk's WORDS

AUG 4/95 - Groundwave already! Another sign of the end of summer, along with the start of the halloween ads, is the arrival of the September Groundwave. I hope your trees and antennas survived the summer. I hope you put those hot days to good use, either cooling off at the workbench in the basement, or up in the trees and breeze stringing wires. Of course you also got to take in some of the summer operating events, from field day to bunny hunts to the various thing a thons and soccer tournaments that needed radio ops over the summer, didn't you?

By the time you read this, another bunch of basics will be on the air after the summer course. As usual, welcome them when you hear them on the air or meet them at the meeting. I suspect that few of them are going to stop at the basic licence. Many of them have been keen enough to write the exam early. This left us with an ever smaller class as the weeks went on, but not for the usual reason this time.

Meanwhile, the advanced class was keen enough to build a bunch of Ramsey Kit 2M power amplifiers. Although the printed circuit board and parts for it were part of the kit, they had to scrounge cases, fuse holders, connectors and all the assorted bits and pieces that those with 20 year old junk boxes might take for granted. For them, it was a challenge that I think they enjoyed. In any event, they now understand why so many hams have a basement full of stuff that "might come in handy one day". Some of them can even solder now. Those that can't solder, now

know enough to leave the tricky bits to someone else, or to practice on something expendable. The kit building went over well enough that it might become a regular part of the course. Does anyone want to take on a different kit as a "club project"? Why should the new ones have all the fun, after all?

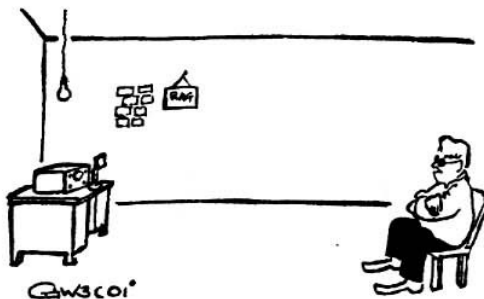
Speaking of Ramsey Kits, their new catalogue arrived in the mail this week. Some of their stuff looks interesting... power amplifiers for QRP rigs, 220 MHz FM rig, converters, etc. It looks like every day there are more and more small outfits, each selling just a few kits. Could it be that homebrewing and kit building are coming back into the mainstream of amateur radio?

The logbook shows rather few contacts from over this summer, but those contacts are mostly from some campsite or other. I expect there will be a few more camping weekends left before the leaves start to fall. I hope so, I'd like to make at least one campsite to campsite QSO before I pack the tent for the last time this year. It's been a great summer so far, I hope autumn is as good.

If the mail gods are good to me, I might have a little toy to bring to the September meeting for show and tell. Wish me luck.

73, and put away the shorts for another year..

mike VE3FFK



"... we have an excessive gain problem at this time ..."

RAC NEWS BULLETIN 15-95 - 1 JUNE 1995

Issued at RAC Administrative Office
614 Norris Court, Unit 6
Kingston, ON K7P 2R9
Editor: Cam Inglis VE3UXN @ VE3CDY

NEW HAMS JUST NINE AND 10 YEARS OLD

The Sault Ste. Marie, Algoma ARC bulletin reported recently that Jordan Strum VA3BPS, enrolled in their club training course last year when he was just eight years old. On March 23, 1995 he passed his examination for the Basic Radio Operators Licence becoming the youngest licensed Amateur radio operator in Canada according to the report. Jordan is now nine and a member of the Algoma ARC.

In other news of young hams, the Dunnville ARC newsletter reported that local 10 year old Jeff Salemink VA3ATV, had recently been successful in passing his Amateur radio exam.

REPEATER FUND GETS GOVERNMENT GRANT

The Sault Ste. Marie, Algoma ARC bulletin, reported that the club had been notified that a Government of Ontario grant for \$11,000 had been approved to help provide for a repeater in the vicinity of Montreal River and Hwy. 17. The club must raise \$2,700 to qualify for the grant. The new repeater will be linked to VE3SSM repeater providing for emergency communications services.

MILITARY RADIO BUFFS NET

There is a monthly net for collectors of military communications and electronic equipment known as the Wireless Set No. 19 Net. The net meets on 7.060 MHz +/- at 2000z the first Sunday of each month. Net control is Dave VE3LDG, and Chris VE3CBK.

RAC MAKES CLEAR POSITION ON MORSE CODE

RAC President, J. Farrell Hopwood VE7RD, in a recent letter to Industry Canada, made clear that RAC endorses the position of the International Amateur Radio Union (IARU) in regards to Morse code.

The IARU, at a meeting of the International Secretariat in Singapore last September, after careful study, took the position that it will continue to endorse the requirement for radio Amateurs to correctly send by hand and correctly receive by ear, texts in Morse code signals in order to be certified to operate in the Amateur bands below 30 MHz. He asked that government agencies, with the need to know be made aware of RAC's position, especially those acting on behalf of Canada at WRC this fall.

ELECTION TO THE HALL OF FAME

Maurice Gladden VO1FG, Chairman of the Board of Trustees of the Canadian Amateur Radio Hall of Fame, recently announced the election of Bill Loucks VE3AR as a Member of the Hall of Fame. Terry Darling VE3CAB, and Eric Quiring VE5HG, were elected to receive the Award of Honour.

The elections are made by a Board of Trustees who determine the worthy recipients in a nation-wide vote. The date and place of the official awards will be announced. The story of the awards will be covered in The Canadian Amateur.

THE CANADIAN VINTAGE RADIO SOCIETY

The CVRS (formerly Alberta Vintage Radio Society), is a non-profit organization dedicated to the preservation, restoration and enjoyment of antique radios and related items. It is run by volunteers and committed to providing regular workshops and swap meets.

The group has a bi-monthly publication called Radio Waves which features

articles on restoration, repair, radio history and classified ads. A long term goal of the society is the establishment of a Canadian Vintage Radio Museum.

Meetings are held quarterly in the Alberta Provincial Museum. For more information, write: The Canadian Vintage Radio Society, P.O. Box 43012, Metropolitan Place PO, Edmonton, AB T5J 4M8.

FIELD DAY MEMORIES

Field Day is held across North America at the end of June. The Victoria Short Wave Club, in their bulletin "Zero-Beat", reminisced about Field Days past. One story in particular deserves repeating.

Jack Mooney VE7WE, some years ago, was keenly preparing his trailer for Field Day when suddenly from his kitchen, where his wife was doing some deep fat frying came a loud scream. Fearing the worst, Jack dropped everything and rushed towards the house, tripping over the tongue of his trailer and breaking his ankle. In spite of the pain he continued toward the house, this time falling down the back steps.

It turned out Jack's wife was okay, but his old dog had just had a heart attack and passed away. Jack rushed the dog to the vet and then headed off to the hospital for treatment of his injuries. Returning from the hospital with a cast on his ankle, he continued packing his gear and drove off to spend the weekend making a record number of contacts.

MORE FIELD DAY FOLLIES...

A Man Without a Key,
by John W. Slavik, WB8YTQ (from May 1995 Worldradio Magazine)

This is a true story that happened to me during Field Day, in the early '80's. We were operating in the 6 meter tent around 2 a.m. Sunday morning. The band was very quiet and almost completely "talked out".

A W2 station was heard operating CW in the phone portion of the band. Because no one had planned to operate CW on 6 meters, I quickly ran off to five other tents to search for a key. I came back, out of breath, with two CW keys, but neither would fit the jack on the 6M transceiver!

After all this effort, I was not going to let this lone contact get away! Out of complete desperation I picked up the microphone and called the W2 station using verbal "dit dah dah, dit dit dah dah dah", in a straight, monotone voice, at about 10 WPM. I let up on the microphone and heard no reply. Being persistent, I repeated my transmission and waited again. Finally, after at least one minute, they came back using CW and completed the exchange. I thanked them for the contact, good luck in the contest and signed, still using "verbal CW".

I had a difficult time transmitting in this mode, due to our 6M crew rolling around on the ground laughing, with at least three other bystanders from other tents in hysterical laughter!

Ten years later, I told this story to a small group of friends from New York at a hamfest. One ham jumped up and said "was that you?", he exclaimed, "I was that 6M contact that night"! After we all laughed for several minutes, he then continued, "Do you know why there was a long pause before we came back to you? We were all too busy trying to pick up our laughing bodies off the ground and gather as many operators as we could to hear this!"

COMMENTARY BY VA3ES

The Meaning of CW: Is CW is an Archaic Relic of the Past?

On March 31, 1995, the U.S. Coast Guard formally ceased CW operations, after 94 years of service. Several months previous, both the U.S. Navy and Marines had also ceased all CW operations.

Today, there are very few, if any commercial operations using CW as a mode of communications. In a world of satellite communications, wide-band fiber optic, Internet and very-high-capacity digital networks, this is as it should be. Let's face it, CW has no place in today's "Information Super-highways". In today's Amateur Radio, CW competes with high-speed, 56 and 128 KB packet backbones, as well as Amtor, Pactor, Clover and other modes of digital transmission. We can transmit vast volumes of information keyboard to keyboard, computer to computer, faster than one can send a paragraph of text at 60WPM CW.

Where we Amateurs used to be innovators at the forefront of the state of the art in communications, now we barely keep up. Other services covet our valuable frequencies, from HF to microwave. As well, the Amateur Radio Service faces pressures from governments to justify it's continued existence.

The government of New Zealand has recently made a decision to actively seek the suppression of the pertinent ITU regulation that requires Morse Code proficiency for Amateurs licensed to operate below 30 MHz. The ZL government was repeatedly "briefed" at great length by "ORACLE" an organization actively seeking to abolish CW requirements for Hams in New Zealand.*

And yet, through all this, RAC, ARRL and the International Amateur Radio Union continue to back the retention of CW as a requirement for licensing! Can you imagine? In this day and age!

Well, those good 'ol hide-bound Amateur organizations are right!

Yes, CW is archaic. Yes, it is slow and cumbersome compared to modern digital modes. So what? All these facts are irrelevant. The facts of CW's speed and traffic handling capacity are irrelevant to the whole argument. Those who would continuously harp on these meaningless statistics, simply miss the whole point of CW. The continuing relevance of CW today and on through to the next century has NOTHING to do with its actual use in sending traffic!

CW (or Morse Code, if you wish) is absolutely essential to the Amateur Radio service and is an essential part what gives Ham radio its meaning. To learn the Morse Code, is to open one's heart (and mind) to the essence (yes I keep using this word) of Ham Radio and to grasp its soul. (I believe that CW is fundamentally necessary for Amateur Radio and that it is also its' heart and soul.)

Ham Radio would be just a cold, calculating hobby without it. The Ham Radio language, its jargon, wouldn't exist without it. Oh sure we might have some other kind of radio slang, but I bet it would be borrowed from truckers and other users of "personal radio". We wouldn't have Q signals or 73. And we definitely wouldn't have a history.

To be a "Radio Amateur" is to be a "lover" of radio, one who studies it and appreciates it as an art. Other "amateurs" of art, of music, become lay experts in their fields. They study the subject historically, philosophically, even sociologically and develop a true appreciation of the subject in its

entirety. To reject an important historical aspect of an art because it is "archaic" is to lack even the most basic comprehension of the subject one purports to love! To learn CW is to make a connection with Ham Radio's past and its history. Learning CW means that one has learned the basic reference points of the hobby. To acquire my University degree, I had to take a few courses that I considered at the time quite irrelevant. I took some Humanities courses that studied the role of Women in Blues Music! I studied railroad hoboes of the '30's in my sociology classes! I studied Nietzsche, Hegel and Kant in my "Poli-Sci" courses. At the time, I wondered what the usefulness of all this was and what it had to do with Communications and Media, my major. Today, I appreciate that studying those "irrelevant" subjects has, I hope, made me a more literate, more well-rounded person. Well, not to put too fine a point on it, might this not imply that a Ham with out CW is somehow "illiterate"?

Today, in those countries which have "no-code" licenses, (mainly Canada and the U.S.) among the more "veteran", long-time hams, there has developed a mildly cynical attitude, bordering on contempt for the newer "no-code" VHF operators. They're derisively referred to as "2-meter CBers". This view stems from the perception that these new Hams lack the fundamental understanding of the roots of the hobby and that without code, they're "stuck on 2-meters", unwilling or unable to expand their radio horizons. (In fact, those no-coders who came from the CB ranks, without CW upgrading, often continue to operate on 11 meters. Those who've upgraded and have HF privileges, tend to abandon 11 Meters completely.) For their part, some no-coders complain that they feel like second-class citizens within the Amateur community, neither fully accepted, nor able to fully participate in Amateur Radio. They claim that the increasingly irrelevant need for

"proficiency" in CW places an arbitrary and artificial obstacle in their paths. They suggest that being "stuck on 2 meters" is boring and is causing some to lose all interest in the hobby.

Traditionally in Canada, once licensed, Hams always had the opportunity get involved any aspect of the hobby without limitations. Veteran Hams are convinced that "no-coders" are short-changing themselves, by failing to upgrade. This saddens many veterans as they see this as a drastic change in the sociology of their beloved hobby; a change for the worse.

Here's my suggestion for an appropriate CW requirement for the late '90's and beyond. I'm not suggesting that one must know 15 WPM or even 10 WPM to get a Ham ticket. What I'd like to see is that every prospective Ham, whatever band they will operate, above 30 Mhz or below, be required to **comprehend** all the letters, numbers and punctuation. The CW receiving exam might be something simple such as 100% copy of all characters sent at a slow speed, say possibly 5 WPM or so.

The speed itself is not critical, so long as there is 100% copy of all letters, numbers and punctuation, sent during a "reasonable" period of time. The successful candidate would then acquire a "scheduled" licence allowing HF phone operation in certain segments of the bands, or possible restriction to certain bands only. Full band privileges would be acquired by upgrading the qualifications through either a more strenuous CW exam or a tougher technical exam, whatever the candidate's choice.

To those who wish to become Hams, but adamantly reject CW and stubbornly refuse to learn the code, I say too bad! These persons have failed to appreciate the meaning of Ham Radio and neither do they understand it. Ham Radio is not just some fancy, high tech means of communication. It's a community, a

service and a tradition with deep roots and a long history. Ham Radio is the whole reason for modern communications technology. Hams invented wireless communications; without us, there might not be any Internet today! Let's not destroy the very spark (!) at the core of the hobby.

Am I being to "orthodox" in my views? Or am I being an extremist? What do you think?

I encourage your comments and feedback on this subject. You can reach me here at the **GROUNDWAVE** or on packet: VA3ES@VE3KYT.

Ed Sieb, VA3ES

* Informed insiders have indicated that "ORACLE" is a lobby group composed of CB radio retailers and CB groups in New Zealand. NZART, the New Zealand Association of Radio Transmitters, (the New Zealand national organization) came out strongly opposed to no-code dismissing ORACLE as a "small loud-mouthed organization of no significance". ORACLE openly declared their intent to bypass the national amateur radio organizations and lobby government directly to eliminate CW.

1995 HAMFESTS FOR CANADIANS # 13

From Ron, VE3ORP @ VA3BBS OR 705-324-2711

- 12AUG95 ITHICA NY.
TOMPKINS COUNTY ARC. PO BOX 4144, ITHICA NY., 14852
@ DRYDEN HIGH SCHOOL DRYDEN NY., JUNCTION RT.13 AND RT.38
INFO AA2UP RICHARD SPRINGARN, 607-387-5251 (TILL 10 PM.)
TI 146.97(-)
- 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 VENDORS 7 AM.
INFO VE3RLX, RICHARD LA ROSE; 153 DUNSDON ST., N3R-6N3
BRANTFORD ONT. 519-752-2437. OR BRANTFORD ARC, PO. BOX 25036,
BRANTFORD ONT. N3T-6K5 PACKET: GARY VE3TDI@VE3CDX.SWON.CAN.NOAM
- 19AUG95 BINGHAMPTON, NY.
@ BINGHAMPTON REGIONAL AIRPORT (EXIT 71N OFF ROUTE 17)
7.00 AM.==TI 147.390(+)==146.730(-)
- 26AUG95 CHAFFEE HAMFEST @ MANION PARK, CHAFFEE, NY. 7.00 AM- 3.00 PM.
TI 145.390 TICKETS MIKE WRONA, 139 GREENMEADOW DR., WEST SENECA
NY., 14224.
- 26AUG95 40th RAGS Hamfest. SYRACUSE NY. at Academy Green American Legion.
Info: Call 315-469-0590 or write: RAGS, P.O. Box 88 Liverpool, NY,
13088
- 27AUG95 EASTERN ONTARIO ARC.
2ND ANNUAL BREAKFAST AND HAM SWAP, 9AM.-1 PM. MONKLAND AND DISTRICT
RECREATION CENTER, MONKLAND ONT., (HWY 138 & HWY 43--19 KM NORTH
OF CORNWALL) INFO VE3OJN MEL MASSIA 613-987-2159 OR VE3OJN@ VE3NAV
TI 145.370(-) (FROM TCA JULY/AUGUST 95)
- 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) or VE3AAU@VE3KPG BBS
TIME 9.00 AM. TO 2.00 PM.===VENDORS 7.00 AM.
- 09SEP95 MONCTON AREA ARC @ LOUIS J. ROBICHAUD HIGH SCHOOL,
MAIN ST., SHEDIAC, N.B. 09.30 LOCAL -
INFO VE9OZ ALLAN @ 506-532-8799
- 16SEP95 KINGSTON ONT. ARC TI VE3KER 146.940(-)
ST. MARGARET'S UNITED CHURCH, SIR JOHN A. MACDONALD BLVD.,
KINGSTON ONT.(ACROSS FROM SEARS) TAKE EXIT #615 OFF HWY 401
INFO VE3VJF ROY CLARKE 613-384-5900 OR @VE3CDY
VE3JCQ JOHN WOOD 613-389-3152 OR @VE3CDY
- 17SEP95 BUFFALO NY.

- 30SEP95 ELMIRA (NY) HAMFEST: CHEMUNG COUNTY FAIRGROUNDS, HORSEHEADS. NY.
 INFO DEALERS JAY 607-733-0761
 TICKETS DAVE 607-589-7495
 6.00 AM.- 3.00 PM.==TI 147.360(+)==444.200

- 30SEP95 DRUMMONDVILLE QUE HAMFEST:
 COLLEGE ST-BERNARD, 25 AVE DES FRERES,DRUMMONDVILLE QUE.
 DE 9.00 HRES A 16.00 HRES AUTOGUIDAGE (TI) 146.625(-)
 INFO VE2PIT GERARD 819-472-5664 OU VE2PIT@VE2CAM
 VE2CVJ CLAUDE 819-848-2595 OU VE2CVJ@VE3CSC

- 07OCT95 HAMILTON ARC: MERRIT HALL, ANCASTER FAIR GROUNDS, HWY 53
 VENDORS 7.00 AM. PUBLIC 9.00 AM. TI 146.760 (-)
 INFO HAMILTON ARC, PO BOX 91215, EFFORT SQUARE POSTAL OUTLET
 HAMILTON ONT. L8N-4G4 FAX ONLY 905-644-4828

- 21OCT95 QUINTE ARC (BELLVILLE ONT.)
 NEW DATE INFO VE3DQN DON 613-968-9242

- 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 (+)

 TO DATE HAVE NO INFO ON FOLLOWING HAMFESTS

- WINDSOR VT
- CHARLOTTE (BURLINGTON) VT.
- LONDON ONT.
- WELLAND ONT.
- OTTAWA ONT. (CUMBERLAND)

1995 VE3ONT OPERATING SCHEDULE

The Toronto VHF Society, VE3ONT, plans to be active again from the 46m (150 foot) Algonquin Park dish during the following periods in 1995 for the purpose of promoting EME communications, especially with small stations and OSCAR class stations.

UTC Date	UTC Start	UTC End	Tx Frequency	RX Frequency
Aug 19	1200 note 1	1836	10368.100	10368.100
Aug 20	0615	1925	10368.100	10368.100
Oct 7	0000 note 2	0907	144.100	144.100 - 144.110
Oct 7-8	2306	1013	50.100	50.100 - 50.105
Oct 7-8	2306	1013	1296.050	1296.050-1296.060
Nov 4	0000 note 2	0804	432.050	432.050 - 432.060
Nov 4-5	2137	0907	144.100	144.100 - 144.110

Notes:

1. VE3ONT will be active from 0530 to 1200 in an experiment to map the lunar surface for "hot spots" at 10 GHz.
2. VE3ONT will also be active prior to the contest start time.
3. Times reflect a dish elevation limit of 9 degrees at FN05xw.
4. Use of the 46m dish is ALWAYS subject to last minute cancellation for radio astronomy observations.
5. 10 GHz and 50 MHz operation will be horizontal polarization, 144 and 432 will be RHCP Tx and Rx. 1296 will be normally RHCP Tx and Rx but can be switched to accommodate LHCP.
6. To maximize your probability of making a QSO, please select a random frequency in our receive window.
7. QSLs to Dennis Mungham, VE3ASO, RR#3, Mountain Ontario, K0E 1S0, Canada.
8. Packet queries to VE3ASO @ VE3ICF.#EON.ON.CAN.NA

CONTEST CALENDAR

HF CONTESTS - 1995

AUG 12-13	MARYLAND-DC QSO PARTY		
AUG 12-13	GREAT NEW MEXICO CHILE CHASE		
AUG 19-20	SEANET '95 SSB CONTEST		SSB
AUG 19-21	NEW JERSEY QSO PARTY		
AUG 26-27	1200z-1200z TOEC WW GRID CONTEST		PHONE
SEP 02-03	0000z-2400z ALL ASIAN SSB DX CONTEST	160-10m	PHONE
SEP 02-03	BULGARIAN DX CONTEST		
OCT	1200z-2400z QRP ARCI FALL CW QSO PARTY	6meter & up.	-- CW --24H
DEC 31	0000z-2359z RAC CANADA WINTER CONTEST 95	2meter & up.	

l= LOCAL TIME, z = UTC, * = new information, no contest on 12,17,30m

VHF CONTESTS 1995 (CANADA AND USA)

AUG 19-20	8 AM-8 PM	1	ARRL 10GHz CUMULATIVE CONTEST	10GHz
SEP 9-11	1800z-0300z		ARRL SEPTEMBER VHF QSO PARTY	50MHz & up. PIN AVAILABLE
SEP 16-17	8 AM-8 PM	1	ARRL 10GHz CUMULATIVE CONTEST	10GHz
OCT	0000z-2400z		ARRL INTERNATIONAL EME COMPET.	50MHz & up. -- EME --
OCT	1200z-2400z		QRP ARCI FALL CW QSO PARTY	6meter & up. -- CW --24H
NOV	0000z-2400z		ARRL INTERNATIONAL EME COMPET.	50MHz & up. -- EME --
DEC 31	0000z-2359z		RAC CANADA WINTER CONTEST 95	2meter & up.

l= LOCAL TIME, z = UTC, * = new information

73 DE PIERRE VE2PIJ

HANDY HINTS FOR HOMEBREWERS
(pin this up near your workbench)

1. Capacitor Codes

A. Disc Capacitors:

I. Temperature Codes in degrees Celsius

	Z5	+1 to +85
Y5		-30 to +85
X5		-55 to +85
W5		-55 to +125
V5		-55 to +150

II. Accuracy (tolerance) in percent

D = +3.3	S = +22
E = +4.7	T = +22 -33
F = +7.5	U = +22 -56
P = +10	V = +22 -82
R = +15	

B. Chip Capacitors:

letter	base value	letter	base value
A	1.0	N	3.3
B	1.1	P	3.6
C	1.2	Q	3.9
D	1.3	R	4.3
E	1.5	S	4.7
F	1.6	T	5.1
G	1.8	U	5.6
H	2.0	V	6.2
J	2.2	W	6.8
K	2.4	X	7.5
L	2.7	Y	8.2
M	3.0	Z	9.1

multiplier	designator	example
1.0	0	A0 = 1.0pf
10	1	A1 = 10pf
100	2	A2 = 100pf

2. American (ANSI) Tap & Clearance Drill Sizes:

screw	tap drill	dia.	clearance drill	dia.
2-56	50	0.070"	44	0.073"
4-40	43	0.089"	33	0.113"
6-32	36	0.106"	28	0.140"
10-24	25	0.149"	11	0.191"
10-32	21	0.159"	11	0.191"
12-24	16	0.177"	7/32	0.219"
12-28	14	0.182"	7/32	0.219"

A typical screw dimension looks like: 10-32 x 1/2, where "10" is the reference number for the screw diameter; it has 32 threads per inch, and is half an inch long.

3. Metric Screws:

A typical metric screw dimension looks like: M2 x 0.40, where the "M" designation clearly marks it as a Metric screw; it has a pitch of 2, and it is 0.40cm long.

**JOE NORTON TRUST AWARD
FOR AMATEUR RADIO**

The Ottawa Amateur Radio Club Inc. awards annually the Joe Norton Trust Award for the advancement of amateur radio. The amount of the award this year is approximately \$525.

ELIGIBILITY

To be eligible, a candidate must:

1. Be a resident of the National Capital Region as defined by the official federal government map;
2. Have received a Certificate of Proficiency in radio from Communications Canada during the period June 1, 1993, to June 1, 1995;
3. Send a written submission of no less than 600 words and no more than 900 words to the Executive of the Ottawa Amateur Radio Club Inc., setting out his/her interests, achievements and plans to contribute to the advancement of amateur radio; and
4. Present him/herself for an interview if so requested by the judges.

RULES

1. Entries must be received on or before October 2, 1995. No entries received after that date will be considered.
2. The club will send acknowledgement in writing upon receipt of an application.
3. A panel of judges appointed by the Executive of the Ottawa Amateur Radio Club Inc. will evaluate all entries submitted before the deadline.
4. Finalists may be interviewed by members of the Executive of the Ottawa Amateur Radio Club Inc. or the panel of judges or both.

5. Submissions will not be returned unless accompanied by a self addressed stamped envelope.

6. If the judges do not select a candidate in any year, no award shall be made in that year and the monies shall return to the Fund to be awarded in subsequent years.

7. The decision of the Executive of the Ottawa Amateur Radio Club Inc. in the selection of a recipient of this award is final.

8. The winner will be notified on or before October 6, 1995.

9. The winner will notify the Ottawa Amateur Radio Club Inc. of his or her acceptance of the award no later than October 9, 1995.

10. The award will be made during the regular club meeting in the month of October 1994.

11. The winner agrees to have his or her name, photographs and address published in club bulletins, trade papers and on the airwaves.

SEND YOUR ENTRY, TO BE RECEIVED NO LATER THAN OCTOBER 2, 1995, TO:

The Joe Norton Trust
Award for Amateur Radio
The Ottawa Amateur Radio Club
P.O. Box 8873
Ottawa, Ontario
K1G 3J2

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

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Membership Renewal/Application

Callsign(s)

First Name Last Name

Address

City Prov Postal

Home Phone Work Phone ext

InterNet Address

Packet BBS Addr

Basic 5 WPM Grandfathered

Advanced 12 WPM

- Renewal - \$15 single, \$20 family, \$7.50 junior
- NEWLY Licenced Ham - \$Free if licenced in current membership year
- New Single Membership - \$15 (\$10 after Feb.)
- New Family Membership - \$20
- New Junior Membership - \$7.50