

**HART:**

- VE3JCC Craig  
894 0695 Piccolborne  
-Collins 75A model 1,2 or 3 receiver, appearance unimportant
- VE3AV3 Rich  
547 8192  
-3 element yaegi tribander
- VE3JCB John  
244 1292 Downsview  
-2m mobile rig with antenna  
-interface to connect CG4 to Hayes or compatible modem
- VE3JUT George  
385 5969  
-used H1 rigs for parts
- VE3JAH Tom  
658 1462 Cambridge  
or 146,790 down .600  
-manual for Heath SB301 will pay copy and mail costs
- VE3JUL Al  
632 1580  
-FM board and filters for Yaesu FM
- Jerry  
544 7770  
-100' #26 enameled wire  
-broken 2m yaegi to be repaired
- VE3JCT Bob  
527 5364  
-41 balun
- VE3JKO Rick  
753 9691 Brantford  
-Hidden HR2510
- VE3JTA Larry  
549 7393  
-SWR power meter for V/UHF up to 450 MHz
- VE3BYM Ralph  
388 6146  
-adaptor 8 pin female to 4 pin male for TS-180
- VE3JWC Ross  
276 6355 Mississauga  
-general coverage receiver, reasonable

# The

# Hamilton

# Amateur

**December 1989**

(Established 1932)

Merry Christmas  
and  
A Happy New Year!

Christmas Dinner  
at the  
Forest Gate Restaurant

See the President's Message  
for details...

**HARC EXECUTIVE FOR 1989:**

PRESIDENT:	VE3HTC	Dave Rypma	689-3014
PAST PRESIDENT:	VE3COX	Everett Englett	578-2458
1st VICE PRESIDENT:	VE3JTO	Michael Spenuk	389-1760
2nd VICE PRESIDENT:	VE3HTF	Paul Fleck	Auto Dial 80
SECRETARY:	VE3LMS	Grant Sewell	547-0711
TREASURER:	VE3ANB	Richard Leah	547-8192
MEMBERSHIP:	VE3JUS	Gordon Murray	575-3647

**HARC COMMITTEE CHAIRPERSONS FOR 1989:**

AWARDS & CONTESTS:	VE3AAH	Gordon Barber	383-9161
HISTORIAN:	VE3BLG	George Olenick	383-7338
PROPERTY:	VE3ARX	Bill McCaslin	634-5190
BULLETIN EDITOR:	VE3SON	Jim Walsh	689-6839
EDUCATION:	VE3FHQ	Glen Gibson	664-5247
EMERG. COMMUNICATIONS:	VE3NYC	Paul Hazen	574-3554
EMERG. PREPAREDNESS:	VE3ANW	Robert Clarke	528-4002
FLEA MARKET:	VE3LMS	Grant Sewell	389-1760
HEALTH & WELFARE:	VE3GFE	Stan Bollbruch	575-5197
PROGRAMS:	VE3JTO	Michael Spenuk	575-5197
PUBLIC-SERVICE:	VE3GCP	Fred Robinson	Volunteers needed for 1990!
PUBLICITY:	VE3DSP	Mike Spenuk	389-1760
REFRESHMENTS:	VE3BYM	Ralph Tutts	388-6146
REPEATER:	VE3MWH	Mark Gibson	389-4308
SWAP NET CONTROL:	VE3HTF	Paul Fleck	Auto Dial 80
TECHNICAL:	VE3FHQ	Glen Gibson	385-8478
VE3DC LICENCEE:	VE3DSP	Glenn Simpson	385-0422
VE3NCF LICENCEE:	VE3FDK	John Kassay	383-2054
VE3RCB LICENCEE:	VE3CIB	Bob Wilson	385-5661
CODE TESTING:	VE3BK	Norm Smith	

# The Swap Shop

to list items: tune in 146.760 VE3NCF  
every Tuesday at 8:00 pm  
or contact VE3BVM Ralph 388 6146  
or VE3DKJ Keith autodial 19



## SALE & TRADE:

- VE3WTD Jerarfino \$100  
662 4526 -Ava Interface GP-1
- VE3ISZ Fred \$75  
827 6824 Oakville -BNC digital IC colour generator **NEAST OFFER**  
populated brand new
- VE3BVM Jerry \$45  
756 9864 Brantford -14 el 2m beam, Qushcraft Junior boom like new  
-Qushcraft Ugear cross-boom MH-10T, AH32-20T with boom like new \$55
- VE3GTE John \$200  
753 1137 Brantford -Yaesu FT208R 2m handle with wall charger, speaker mike, dc/dc converter, manual
- VE3 JB John \$250  
244 1292 Downsview -codestart by microcraft code reader with p supply - copy code with any receiver, l.e.d display brand new
- VE3OWA John \$90  
576 4067 Kitchener -T-110n 48" heavy duty tower, down in sections, 2 yrs old \$TRADE up or down for printer or disk drive for C&H
- VE3BVM Ralph \$NEGOTIABLE  
388 6146 -two 6146 tubes with subchassis, including sockets
- VE3OQJ Bob \$90  
549 6125 -Versa-Tuner 300 with meter
- VE3BOT John \$NEGOTIABLE  
772 5372 Cayuga -used ham rotor and control box
- VE3PJS Walt \$75  
544 0200 -Healthkit HW 7 good condx (no manual)

## The President's Message - December 1989

Where has the year gone? Seems it was just January 1989 a couple of months ago. The elections are over for another year and you will find a list of the new executive committee for 1990 (a new decade too!) elsewhere in the bulletin; the new crew looks like a real talent pool. I hope you will give them your complete support and help them make your club (it IS yours, you know) one of the best in the area. Remember, only YOU can make that happen.

As 1989 draws to a close, I would like to wish all of you a very merry Christmas and best wishes for a prosperous New Year. To those of you with sickness and misfortune to deal with during this festive time of year, may you take strength from the spirit of Christmas and what it stands for.

The December meeting is normally a purely social event and this year is no exception. By the time you receive this bulletin, you will have been called and asked whether or not you want to join us at the Forest Gate restaurant at 4 Forest Ave near St. Joseph's Hospital in Hamilton. Because we needed to know the number of people attending by the 11th of December, we have taken the phone route to contact club members. As a result of this method, it was not possible to accommodate non-members this year; if this caused you a problem, I must apologize but no other planning method was open to us. If you had not indicated a desire to come but now wish to do so, please contact Fred Robinson (VE3GCP) to see if any seats are available. Another note to those of you who have indicated you will attend: if you don't come, the club will be obligated to pay for your meal (that's how we got those great prices - we guaranteed your presence).

If a dinner is not to your liking and you have another idea for a Christmas social occasion, please consider suggesting an alternative to next year's committee so that your idea can be considered.

I note from the CARF and CRRL bulletins this month that some concrete action is finally taking place on the organizational merger front. I offer my support and hope for an amicable and positive resolution to this long-festering thorn in the side of Canadian Amateur Radio. It is my opinion that Canada has far too small a Ham population to efficiently support 2 national Amateur Radio organizations.

You will note that my article on SWR and reflections is again missing this month... It seems that during this time of year, there just aren't enough hours in the day or days in the month to do all that needs doing. The series will continue as I promised but it now looks like either January or, if the skiing is really super, February. I'll have time to produce the bulletin itself, but time may not permit me to create the 3rd of my articles before mid-January.

Thanks for your support during the past year and see you at the Christmas dinner at the Forest Gate or at the January meeting.

Best wishes...

**III. FUNCTIONS NOT PROVIDED:**

VE3DC is not intended to duplicate the full packet services provided by other BBS's:

- A. It does not carry the CRRL, ARRL and other bulletins addressed to ALL AMATEURS. These are available on VE3NUU and VE3HPL which operate on 145,030 - easily accessible from the Hamilton area.
- B. While you can of course leave messages for anyone else who can connect to VE3DC, VE3DC can not receive or dispatch messages automatically to the NTS. That would require major software revision, and probably a dedicated computer for operation. In anycase, automatic international message forwarding is available to those operating personal mailboxes on 145,030 via VE3NUU and VE3HPL.
- C. VE3DC does not have a library of software available for users to download. Although VE3DC does support binary file transfer, such transfers can only be done (at present) by other operators using the H.A.P.N. board and system. If you want to download/upload binary software files, check out VE3FWC on 145,59 - it has a multitude of excellent software available to those who can use the XPACKET protocol. There is also extensive software available for packet users on VE3DVV-2, which can be accessed on 145,59 using routing HAMILT -> HAPN48 -> VE3DVV-2

**IV. FUNCTIONS PROVIDED BY VE3DC:**

So, what can VE3DC provide, apart from fun and excitement to the SYSOP?

**A. Long-term message life!**

Personal mailboxes are usually incorporated into stand alone TNCS (Terminal Node Controllers) such as the KAM. These are fine for short personal messages, but since they operate independently of the computer users can not automatically upload/download files to/from a hard disk. Thus messages do not stay around for long on these personal mailboxes - they have to be deleted to make room for new ones. Messages and files could stay for ever on VE3DC!

**B. Direct Disk Access!**

Since VE3DC operation has been designed to be dependent on computer operation, the hard disk is available for up/downloading files. This means that larger files (limited only by the length of time to transfer by packet radio AND the space remaining on my hard disks) can be passed through VE3DC. Examples include HARC Bulletin articles and notices etc. There is another BBS system using the HAPN system on 145,59, which provides a multitude of Amateur Radio and Computer related information and software.

**BULLETIN 34 CRRL 1989 NOVEMBER 26.**

- 1: South of the border, the US FCC has received a second court challenge to its recent decision to reallocate the 220-222-MHz portion of the 220-225-MHz amateur band to the US Land Mobile Service. The first challenge came from ARRL, but the new challenge has come from the US Department of Justice (DOJ), on the grounds that the FCC decision was "arbitrary, capricious and an abuse of discretion." According to the Westlink Report, court action to overturn a US federal agency decision is rare. In most cases, agencies that have been challenged maintain their original decision, simply developing a new rationale to please the court. Whatever, the DOJ challenge offers additional hope. More later.
- 2: The Amateur Radio job of a lifetime will soon be open. Chuck Bender, W1WPR, is retiring as station manager and chief operator of ARRL Headquarters station W1AW, and ARRL is looking for an amateur to replace him. Salary is \$US 26,000-28,000 a year. Send your resume to Communications Manager John Lindholm, W1XX, ARRL, 225 Main Street, Newington Connecticut 06111.
- 3: AMSAT North America (AMSAT-NA) is seeking to expand its operations team to include Canada, Mexico and the Caribbean. If you are an active satellite user interested in becoming a volunteer on the AMSAT Field Operation Team, Contact AMSAT-NA Vice President of Field Operations Jack Crabtree, AAP, 4327 West Bellwood Drive, Littleton, Colorado 80123.
- 4: After three years of operation, the Japanese satellite, FUJI OSCAR 12 (FO-12), has been shut down. FO-12 has gradually been losing power. At the time of the shut-down, it was able to produce only three watts to run its on-board computers and transponders. FO-12 is expected to be replaced by a new Japanese satellite early in 1990.
- 5: Some short notes from all over: If you think that the Dayton Hamvention is big, consider that some 58,000 radio amateurs attended Ham Fair '89 in Tokyo this year. At the fair, a total of 970,000 yen was raised for the launching of the new Japanese satellite. Congratulations to Garry Hammond, VE3XN, who was Canadian winner in the 1989 Bermuda Contest. No word yet on whether Garry has gone or will be going to Bermuda to pick up his trophy. Former ARRL president Harry Dannais, W2HD, is new president of the Quarter Century Wireless Association.

CARF NEWS BULLETIN

CARF BULLETIN 19-89: 1 DECEMBER 1989

ISSUED AT CARF HEADQUARTERS  
P.O. BOX 356  
KINGSTON, ONTARIO  
K7L 4W2

EDITOR: B.H. BURDSALL VE3NB

EXCITING NEWS - THIS IS IT!

ITEM 1. CARF/CRRL MERGER. A preliminary merger meeting between the CRRL and CARF was held in Coburg, Ontario, on 25 November 1989. The main purpose of this meeting was to set the timetable and agendas for future meetings. The committee agreed to recommend to both Boards of Directors that a single Canadian organization be formed. To that end, the committee will meet at least three times in the next year, the first meeting being on February 10/90. Alternate meetings will be held in London and Kingston. The committee also agreed on the procedures which will be used in future meetings. Any news releases will be identical and released by both CARF and CRRL on the same date under the signature of both Presidents. The committee consists of Harry MacLean VE3GRO, Francis Sater VE3MGY, George Spencer VE3OZW, Clayton Bannister VE3LYN, Dana Shun VE3DSS, George Sansom VE3GWS.

ITEM 2. CANADIAN PREPARATIONS FOR WARC 92: Initial discussions at the 23rd November meeting of the Canadian Preparatory Committee (CPC) for WARC 92 did not reveal a Canadian need to have the Amateur and Amateur Satellite Radio Services on the agenda of WARC 92. However, CRRL and CARF will continue to participate in the Preparatory Committee and will prepare proposals regarding international Amateur frequency bands and regulations. CARF and CRRL feel it is wise to be prepared should Amateur Radio be added to the agenda either by Canada or other members of the ITU.

At this time, the most important needs for spectrum appear to be in the bands 1.0 - 3.0 GHz and above 20 GHz to accommodate new Mobile and Mobile Satellite as well as the sound Satellite Broadcasting Service. Spectrum needs in the 2 - 30 MHz band are not so clearly evident.

Preliminary thinking in the UK is that Amateur and Amateur Satellite Radio Services will not be "under attack". DOG and the CPC will learn more as contacts with other countries are established.

HARC Autodial Numbers - 1989

VE3AAH	16	Gordon Barber	VE3JTG	78	Michael Spenuk
VE3ANB	10	Richard Leah	VE3JTR	77	Jack Heywood
VE3ANW	34	Robert Clarke	VE3JUC	21	Tom Billone
VE3ARX	40	William McCaslin	VE3JWS	137	John Stonehill
VE3ATW	141	Roger Weiss	VE3KTP	42	Tom Feeney
VE3ATV	45	Norm Smith	VE3KTV	116	Spiro Hazaras
VE3BLG	69	George Olenick	VE3LMS	97	Grant Sewell
VE3BYM	29	Ralph Tufts	VE3LOI	91	Louise Lagace
VE3CIV	90	John Holland	VE3LWD	76	Wayne Staat
VE3CKH	37	Jean Card	VE3MFB	38	Marlene Langs
VE3CWM	12	Chris Meredith	VE3MMC	114	Ken Gibson
VE3DKJ	19	Keith Johnson	VE3MWD	22	Serafino Verticchio
VE3DOU	67	Peter Goodson	VE3MWH	33	Mark Gibson
VE3DPC	86	Frank Gue	VE3MWO	109	Ron Hallas
VE3DQU	93	Alex Lawrie	VE3NCM	111	Kenneth Mangaroo
VE3DVA	64	John Vandenberg	VE3NKM	13	John Rosza
VE3EBT	146	David Tilley	VE3NYC	43	Paul Hazen
VE3EGL	57	Ken Leighton	VE3OCD	25	Joseph & Mary Urbanski
VE3EGT	31	Leslie Tobicoe	VE3OCY	75	Donald Graziano
VE3EHJ	59	Dave Lander	VE3OIL	36	Phillip King
VE3EHL	103	Ed Leslie	VE3OIN	28	Ken Redfern
VE3EKY	39	Bernard Granby	VE3OIW	81	Max Vanderlube
VE3ER	61	Frank Edwards	VE3OIX	24	Lea Leslie
VE3FDK	70	John Kassay	VE3OIZ	24	William & Lea Leslie
VE3FEZ	49	Peter Walton	VE3OQG	50	Fiore Manga
VE3FHB	47	Ken Christmas	VE3OOX	17	Everet Englett
VE3FHQ	52	Glenn Gibson	VE3OZE	83	Wade Buzanko
VE3FMG	55	Michaël Patrick	VE3OZG	14	Hugh Rea
VE3GCP	110	Ward Gilson	VE3OZH	108	Leonard J Elise
VE3GQP	73	Fred Robinson	VE3OZY	53	Rick Danby
VE3GFE	41	Stan Bolbruch	VE3PUI	85	Kurt Vogel
VE3GKI	175	Charles Kezel	VE3RNR	35	Dave Webb
VE3GKP	113	Harv Powell	VE3RW	37	John & Jean Card
VE3HKQ	15	Doug Bryce	VE3SCH	44	Konrad Schmol
VE3HLI	58	Gerald Goldberg	VE3SMF	91	Stuart & Louise Fedak
VE3HOD	115	Bill Nichols	VE3SON	82	Jim Walsh
VE3HOX	98	Joe Sewell	VE3TED	54	Edward Barrette
VE3HPD	20	Vic Forde	VE3TOW	65	Don Blain
VE3HTC	56	Dave Rypma	VE3VIT	34	Victoria Clarke
VE3HTF	80	Paul Fleck	VE3WAG	101	John Campbell
VE3ITA	84	Larry & Marlene Langs	VE3WOW	60	Wally Owsianik
VE3JUD	62	Jack Shekter	VE3YCT	72	Robert Shaw
VE3JSJ	74	Gordon Murray	VE3ZF	11	Ed Charlesworth
VE3JTC	63	Harold Niles			

We will not know Canada's final position on the agenda until early next year, after Canada has determined its spectrum and regulations needs and how the work of the Conference should be organized. CPC sub-committee and working group meetings are being held monthly. Future bulletins will keep you up to date.

ITEM 3. HF BROADCASTING IN THE 80 METRE BAND: Rumour has had it for some time that Radio Canada International (RCI) is broadcasting in the 80 metre phone band as permitted by footnote 514 to the allocation table accepted by WARC '79. RCI have told us that this has never been done. This proposal was carefully examined by RCI some years ago, found to be economically unfeasible and never implemented. RCI has kindly volunteered to try to identify any HF broadcasting stations heard in the 3950 - 4000 kHz band. Tapes should be sent to CARF Headquarters.

ITEM 4. AMATEUR BAND DEREGULATION: Amateur band deregulation, originally proposed back in February '89 was nearly ready to be authorized when the new Telecommunications Act was proclaimed last month. Because the new Act requires that these new Amateur Regulations be authorized by Cabinet rather than the Minister, a new submission had to be made. DOC has done this but the result has been that it is again at the bottom of someone's pile further up the line of authority.

ITEM 5. AMATEUR RADIO RESTRUCTURING: Progress within DOC on this work is progressing and is just about on schedule. Hopefully it will be announced about April but DOC is quick to say that its approval is not entirely within its control. As with the band deregulation, the restructuring regs will have to be approved by Cabinet.

ITEM 6. Starting Amateur radio classes in January? Write CARF for discount prices on our excellent Study Guides.

ITEM 7. 1990 RADIO SHACK CATALOGUE advertises on page 69 the HTX- 100 10 metre mobile SSB/CW Ham Radio Transceiver. "To legally transmit you must have a valid amateur radio licence" states the ad.

ITEM 8. A special Christmas Greeting to all Club Newsletter Editors. May 1990 bring you lots of copy. Thanks and Season's Greetings to all our members and friends who have supported CARF so well this year. It is with sadness we remember the many fellow Amateurs who became Silent Keys, including Jack Ravenscroft VE3SR, Art Stark VE3ZS, Fred Keller VE7SS and Bill Munday VE5WM.

88 from the Kingston Office Staff, Debbie, Maureen and Mary.

The best years of a woman's life are the decade between 39 and 40.

de VE3VCA

President: Michael Spenuk VE3JTK  
 Past President: Dave Rypma VE3HTC  
 1st Vice President: Don Graziano VE3OCY  
 2nd Vice President: Jim Walsh VE3SON  
 Secretary: Keith Johnson VE3DKJ  
 Treasurer: Paul Hazen VE3NYC  
 Membership Secretary: Fiore Manga VE3OQG

1990 H.A.R.C. COMMITTEES  
 (confirmed chairmen as of 22 NOV 89)

Awards & Contests: Gordon Barber VE3AAH  
 Historian: George Olenick VE3BLG  
 Property: Bill McCaslin VE3ARX  
 Bulletin Editor: Jim Walsh VE3SON  
 Education: Glenn Gibson VE3FHQ  
 Emergency Coordinator: Paul Hazen VE3NYC  
 Flea Market: To be announced  
 Health & Welfare: Stan Bolibruch VE3GFE  
 Programs: Don Graziano VE3OCY  
 Public Liaison: Fred Robinson VE3GCP  
 Swap Net Control: Keith Johnson VE3DKJ  
 Code Testing: Bob Wilson VE3CIB  
 & Norm Smith VE3BK  
 & Jim Flintoif VE3BFF

Repeater: To be announced  
 Technical: To be announced  
 Licences: To be announced  
 Refreshments: Gerald Crawshaw

Do you see a gap up there you think you would like to fill? The Executive committee would be happy to hear from you. Get involved in YOUR club's management; there is no better way to ensure that your point of view is heard. Remember, a good club doesn't just happen; it is made that way by people who care! Do your part - get involved.

BULLETIN 35 CRRL 1989 DECEMBER 03

1: The following is a joint release from the president of the Canadian Radio Relay League (CRRL) and the president of the Canadian Amateur Radio Federation (CARF): A preliminary merger meeting between CRRL and CARF was held in Cobourg, Ontario, on November 25. The main purpose of this meeting was to set the timetable and agendas for future meetings. The committee agreed to recommend to both its Boards of Directors that a single Canadian organization be formed. To that end, the committee will meet at least three times in the next year, the first meeting being on February 10. Alternate meetings will be held in London and Kingston. The committee also agreed on procedures which will be used in future meetings. Any news releases will be identical and released by both CARF and CRRL on the same date, under the signatures of both presidents. The committee consists of Harry MacLean, VE3GRO, Francis Salter, VE3MGY, George Spencer, VE3OZW, Clayton Bannister, VE3LYN, Dana Shun, VE3DSS and George Samson, VE3GWS.

2: IPARN, the Inter-Provincial Amateur Radio Network, continues working towards a Canada-wide communication network using existing VHF-UHF links and a commercial geostationary satellite. The first satellite terminal, complete with 1.8-metre dish, has been acquired and installed in the Vancouver area. IPARN hopes to acquire a second terminal, to be placed outside British Columbia, soon. For more information on this project, contact IPARN, Box 3156, Langley, British Columbia V3A 4R5.

3: We apologize for giving you a wrong address in Bulletin 33. Although the CRRL Outgoing QSL Bureau is moving to CRRL Headquarters in London, Ontario, cards should not be sent to the Box 7009, Station E, London address. Instead, send cards to: CRRL Outgoing QSL Bureau, Box 56, Arva, Ontario NOM 1C0 (Bulletin 33 corrected - VE3HTC). This will allow CRRL volunteers to pick up cards just across the street from the CRRL Headquarters office--which is located in Arva, Ontario, just north of London.

4: While we're in an apologetic mood, we apologize for the erratic delivery of the CRRL Bulletin this fall. A major problem has been lack of news. With the Jack Ravenscroft case over, restructuring settling into place and no new tower cases or imminent challenges to our frequencies, it's been a little difficult to find worthwhile things to write about. Some weeks we have held the bulletins simply waiting for something anything - to happen! Thanks for your patience with us.

Harry MacLean, VE3GRO

COMING EVENTS:

December 17	ARRL Straight Key Night
December 31-January 1	ARRL RTTY Roundup
January 6-7	ARRL VHF Contest
January 20-22	CQ WW 160-Metre Contest CW

I. HISTORY:

On October 27th 1988, I started operating a packet Bulletin Board station. The HARC Executive suggested that the call VE3DC be used, since the BBS was intended primarily to provide a service to HARC members. Since then there have been over 800 logons....

I had been operating my personal BBS/Mailbox (VE3JSJ-10) on 145.030 - the Toronto area LAN (Local Area Network) frequency, so as to receive automatic downloads of Amateur Radio Bulletins and personal messages from VE3NUU. I simply 'piggy-backed' VE3DC onto the same radio - hence the VE3DC operating frequency was also 145.030. It worked quite well, however operation was a bit slower if my mail box (VE3JSJ-10) was operating at the same time as someone was logged onto VE3DC. And if at the same time I (VE3JSJ) was connected to yet another station - there were so many packet collisions at my antenna all three systems would almost grind to a halt.

I obtained an old crystal controlled General Electric radio 'real- cheap.' I installed a crystal for 145.030 and put the VE3JSJ/VE3JSJ-10 station on that. I started using my handheld in the car which freed up my mobile rig for use by VE3DC on 145.050, the semi-official LAN frequency for the Hamilton region. There is another network using the HAPN system on 145.590 in the Hamilton area, but that frequency is already quite busy - especially when binary file transfer is going on, so I decided 145.050 would be the frequency of choice for VE3DC.

Last month I made further changes to the set up - VE3DC is using a Kenwood TR-7800, and VE3JSJ/VE3JSJ-10 uses an Azden PCS-3000. This gives me full frequency agility for both stations, though the intention is to keep VE3DC on 145.050 for the foreseeable future (however long THAT is in packet radio!).

II. OPERATING SYSTEM

VE3DC uses the H.A.P.N. (Hamilton Area Packet Network) board and associated software. I have changed the prompts so they come closer to other packet radio BBS's, such as the KAM Personal Mailbox, WORLI and MSYS systems. It operates in a 128k partition in an IBM AT-clone, and starts automatically when a timer powers up the computer at 4 pm. The timer turns everything off at midnight. The remaining 373k are free for my wife and I to use in connection with our work, I can just about squeeze Wordperfect 5.0 into the remaining space. But if we have to run statistics or graphics software we need the full 640k, so the computer is rebooted without VE3DC! Obviously, a bare bones, used PC could be useful dedicated to packet.....well, maybe someday....!

## FROM THE BULLETIN BOARDS - 1

## BULLETIN 33 CRRL 1989 NOVEMBER 19

1: The address of the CRRL Outgoing QSL Bureau is changing. New address for the CRRL Outgoing QSL Bureau is CRRL Outgoing QSL Bureau, Box 56, Arva, Ontario N0M 1C0 (address corrected - VE3HTC). Does this mean that present Outgoing QSL Bureau Manager Don Welling, VE1WF, is going to retire? No way! Don has become Manager of the CRRL Central Incoming QSL Bureau. Of course, the address for the incoming bureau, Box 51, St. John, New Brunswick E2L 3X1, remains unchanged. A final word about the CRRL Outgoing QSL Bureau. Use of the bureau is free to CRRL members--it's a good reason to join CRRL. Others may use this bureau at a rate of one dollar for fifty cards.

2: There may soon be restructuring of the Amateur Service in the UK. Officials of RSGB, the Radio Society of Great Britain, recently presented DTI, the UK licensing authority, with a proposal for a UK Novice Licence. This licence would require about 30 hours of study with an approved instructor and completion of a multiple-choice examination on "licensing conditions, technical matters and operating techniques". There would also be an optional Morse code test at five words per minute. Privileges would include 5 watts, all modes, on portions of the 50-, 430-, 1250- and 10,000-MHz bands. HF privileges added with the 5 words-per-minute code test include 5 watts CW on portions of the 1.8-, 3.5-, 10-, 21- and 28-MHz bands, and 5 watts phone on portions of the 1.8 and 28-MHz bands.

3: Some notes from all over: On October 29, OSCAR 13 was put off limits for general amateur use. Apparently solar radiation was affecting operation of the satellite's on-board computer, the Internal Housekeeping Unit. AMSAT personnel hoped to be able to restart the computer soon. Launch of four Microsats, scheduled for mid-November, has been rescheduled for February, 1990. The extra time will allow the Microsats to undergo further refinement.

Throughout 1990, to celebrate 500 years of Linz, Austria, amateurs in that city are sponsoring a Linz-500 Diploma. Look for OE5 stations ending in slash-500 (e.g. OE5XXX/500) on all HF bands and ask for details.

South of the border, New Jersey's 25,000 amateurs are concerned about a new law that requires police permission to have any kind of shortwave radio in a car. To alleviate this problem and prevent the spread of this kind of law, ARRL will be asking FCC to declare preemption of all state and local receiver laws.

The 1990 ARRL Handbook is now available--just in time for Christmas giving. To order, contact CRRL Headquarters.

## C. Relatively Clear Frequency:

The frequency of 145.050 is relatively free. 145.030 gets very congested at peak times, with all the traffic being routed through the digipeater VE3YYZ located in downtown Toronto. This results in very slow paced traffic. On VE3DC's frequency, messages can be uploaded much faster.

So, if you want to try VE3DC, attempt to connect directly. If that does not work, try connecting via WINONA (located in Stoney Creek) as node. It is also possible to cross-connect from 145.59, using VE3KYZ-7. Possible routing would be HAMILT -> VE3KYZ-7 -> WINONA -> VE3DC

Lastly, let us know - either via VE3DC or by calling the members of the club Executive - what you would like to see VE3DC provide.

Happy packeting throughout Christmas and 1990.

73s Gordon VE3JSJ (SYSOP VE3DC).

Membership fees for 1990 are due at the first of the year. Give a cheque for \$25.00 payable to the Hamilton Amateur Radio Club to any member of the executive or mail to Fiore Manga, VE3JQG at his office 1236 Barton St. East, Hamilton L8H 2Y8.

CHCH-TV is editing some tape of some members of HARC discussing amateur radio and a QSO with an amateur in Spain. It will appear on the program "The Best Is Yet To Come". When we are advised of the date, we will spread the news on the repeater.

The Flea Market Committee has added \$1935.63 to the club treasury. The chairman of this committee for the coming year has not been appointed. It is vital that this committee start to work asap. We note that the Peel Club has already sent out notices of theirs for next March 3.

Congratulations to Paul Hazen, VE3NYC for winning the Art Ferguson trophy which was awarded at the last meeting. There were two special visitors. Stanley, VE3CPE presented Mirko Sevic, YU7WW. Piori, VE3JQG presented Padre Tishapo Sofia Costa, from Guatemala. He showed slides illustrating the beauty of the country and how torrential rains disrupted communication. As a result they are requesting assistance in setting up radio communication.

Lost: One gin pole. Ernie Shaw, VE3HZA loaned it to someone and would like it back as he has to make repairs. Phone 385-2540.

# THE HAMILTON AMATEUR RADIO CLUB

BOX 253 Hamilton Ontario Canada L8N 3C8.

## CLUB MEETINGS:

8:00pm on the 3rd Wednesday of each month except for July & August, in the Nash Auditorium, Chedoke Hospital. Non-members & friends are welcome - coffee and donuts on the house!

## EXECUTIVE:

Meets on the fourth Wednesday of the month, except June & July, in the Radio Room, Red Cross, 400 King Street East.

## STATION:

An emergency radio station is maintained in the RED CROSS, HAMILTON BRANCH (400 King East).

## MEMBERSHIP:

\$25.00 per year with a common renewal date of January 1. Included is a subscription to the club bulletin. Additional Family Memberships (no bulletin) \$1.

## EDUCATION:

Informal meetings are being held in the Radio Room, Red Cross Building 400 King St East on Thursday evenings at 7:00 to help those who want to take their Amateur Licensing tests. Call Bob, VE3CIB (416-383-2054 in Hamilton) or Glen, VE3FHQ (416-385-2786 in Hamilton) for more information.

## REPEATER:

VE3NCF. Located on the Hamilton escarpment it is available for use by any amateur. Input: 146.16 Mhz. Output: 146.76 Mhz. Part of the VE3RPT Link system. Contact a member of the Club Executive for information concerning Emergency use, Autopatch, Mail-boxes, Links etc.

## FIELD-DAY:

HARC operates a multi-station site during Field-Day. Contact Paul, VE3HTF for information.

## SWAP-NET:

Every Tuesday at 8.00 pm on VE3NCF (146.76/16) except during July & August. Contact Ralph, VE3BYM (388-6146) if you have items to buy or sell.

## FLEA-MARKET:

Held during October each year (Thanksgiving Day Weekend).

## BULLETIN:

"The Hamilton Amateur", the official news bulletin of the club, is published 10 times a year and sent to all full club members (family members share a bulletin) during the first 2 weeks of the month (except July and August). Most bulletin material is also available on the club's packet bulletin board station, VE3DC operated by VE3JSJ, on 145.030 FM.

## SALE & TRADE continued

VE3HYG Rudy  
662 6163

- Yaesu FT980 HF xceiver with matching speaker, op & shop manuals, with general coverage \$1750
- Yaesu 726R all mode V/UHF xceiver, op & shop manuals \$950
- Microwave Modules 2m linear amp 10W in/100W out, built in pre-amp \$200
- Digitec model HT8530A frequency counter/timer, 0-500 Mhz, with shop manual \$275
- ASA 3P-1 computer patch interface \$250
- Kantronics Hamsoft for TR-80, shop manual, mint \$50
- Drake Low pass filter 1000W \$25
- HFJ 250 Dummy load (Versa-Load) 2KW \$50

VE3HYC Paul  
664 5247

- Landliner phone patch for FT D/401 or 400 or 101E \$85 firm
- FV 401 external VFO \$125 firm

VE3DEO Morris  
633 1721 Downsvlew

- 6360 double pentodes \$2 each
- also have other hard to find tubes

Jerry  
544 7770

- 1947-48 Stromberg Carlson book, tube cross reference manuals, T.V. repair course \$TRADE for junk box stuff or connectors, etc. or \$CIV: AWAY if appreciated

VE3HOD Bill  
578 0432

- Kenwood TR7800 2m mobile 5 or 25W out, with t-tone on front panel \$250
- HFJ 1270B T-C \$75
- TR5 80 III with 2 disk drives, software, manuals \$250
- Radio Shack VMR green monitor \$75
- Alinco DJ100T portable 2m xceiver, 10 ch, with charger \$300
- two Larsen 2m 5/8 mag mount antennas \$40 each
- Johnson Viking match box \$50
- serial dot matrix printer \$50
- Valor 40m mobile antenna \$25

VE3CIB Bob  
383 2054

- Commodore 64, with Kantronics TRFITY cartridge, MFJ 1229 deluxe interface \$400

VE3JM  
241 7965 Weston

- HI Gain TH3 Junior \$200

VE3RRR Dave  
689 3288

- Diablo daisy wheel printer with keyboard, configured for IBM, but can be used stand alone, 8 fonts, manual, cable \$185
- three coils 50' RG-8 with connectors \$10 each

VE3OQG Flore  
560 6329

- two nicad gel batteries \$V 9.5A with 110V charger \$OPEN TO TRADES

VE3TED Ted  
639 5878

- KPC 2 Kantronics Packet Communicator II with manual, version 2.85 new \$260

VE3AAH Gordon  
383 9161

- Yaesu NCL8B battery charger \$REASONABLE
- Yaesu NC9B battery charger \$REASONABLE