

The Hamilton Amateur

February 1990
(Established 1932)

DX!

From both ends

Big Guns!

Pictures, Techniques

VE3HO, Garth Hamilton

Meeting: 21 Feb 1990
Nash Auditorium

We would like to make presentations for the "Order-of-Merit" award at the March meeting. If you have someone in mind for this award, please have the completed nomination forms filled out and mailed in to the club P.O. Box 253, Hamilton, Ontario L8N 3C8 by the end of February so the judges may make their decision and have the awards suitably printed and the Plaque engraved in time for the March meeting. The rules for this award are on the following page.

To Awards Committee _____ Date _____
I Nominate _____ VE _____ For the Order of Merit.

Service Performed:

Signed _____ Sponsor _____

Co-Sponsor 1 _____ 2 _____

VE3OZY (M89) Rick Danby 53
& Clinton Street
Hamilton, ONTARIO
L8L 3J8

HARC EXECUTIVE FOR 1990:

PRESIDENT:	VE3JTO	Michael Spenuk	389-1760
PAST PRESIDENT:	VE3HTC	Dave Rypma	689-3014
1st VICE PRESIDENT:	VE3OCY	Don Graziano	560-1960
2nd VICE PRESIDENT:	VE3SON	Jim Walsh	689-6839
SECRETARY:	VE3DKJ	Keith Johnson	Autodial 19
TREASURER:	VE3NYC	Paul Hazen	664-5247
MEMBERSHIP:	VE3OQG	Flore Manga	560-6329

HARC COMMITTEE CHAIRPERSONS FOR 1990:

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:	VE3FHO	Glen Gibson	385-2786
EMERGENCY COORD:	VE3NYC	Paul Hazen	664-5247
FIELD DAY COORDINATOR:	To be Announced!		
FLEA MARKET:	VE3NYC	Paul Hazen	664-5247
HEALTH & WELFARE:	VE3GFE	Stan Bollbruch	528-4002
PROGRAMS:	VE3OCY	Don Graziano	560-1960
PUBLIC LIASON:	VE3GCP	Fred Robinson	575-5197
HOSPITALITY COORD:	SWL	Gerald Crawshaw	385-2789
CHRISTMAS DINNER PLAN:	VE3OQG	Flore Manga	560-6329
SWAP NET CONTROL:	VE3DKJ	Keith Johnson	Autodial 19
REPEATER:	VE3JTO	Michael Spenuk	389-1760
TECHNICAL:	VE3OCY	Don Graziano	560-1960
VE3DC LICENCEE:	VE3FHQ	Glen Gibson	385-2786
VE3NCF LICENCEE:	VE3DSP	Glenn Simpson	385-8478
VE3RCB LICENCEE:	VE3FDK	John Kassay	385-0422
CODE TESTING:	VE3CB	Bob Wilson	383-2054
	VE3BK	Norm Smith	385-5661
	VE3BFF	Jim Flintoff	

THIS IS YOUR LAST BULLETIN
IF YOU HAVE NOT PAID THIS
YEARS MEMBERSHIP.

THE PRESIDENT'S MESSAGE FEBRUARY 1990

As you know I am trying to eliminate any business component from the monthly general membership meetings. This is proving to be quite a burden at the monthly executive meetings. They are lasting in excess of 3 hours! But then, I think, that is only because I haven't acquired a five-minute timer. On the other hand, at the end of the last executive meeting someone stated that we are covering a lot of ground. I like to think this means we are getting things accomplished. At any rate, I plan to continue with the new--no business--general meeting format, to make the meetings more interesting, and to attract those individuals that tend to stay away because the business becomes so dominant. The bulletin will serve as the platform for distribution of information of an internal nature; the Tuesday evening VHF net will serve as the platform for distribution of information of a general nature.

On Monday, 7 May 1990, the Salvation Army will be holding their annual National Red Shield Appeal, Blitz night. Anyone interested in participating in this event should contact Fred Robinson, VE3GCP.

With only four months to go to this year's ARRL Field Day, its time to start thinking about this event. Express your interest in this event to any executive member. An organizational meeting will be held soon.

September 15, 1990, should be marked in all of your calendars. This is the date of the HARC Fleamarket. Paul Hazen, VE3NYC, is once again coordinating this event which will take place at the Merritt Hall, Ancaster Fair Grounds. But 15 volunteers are needed immediately. There's a lot of work which must be completed for this event to be successful and distributed processing makes the workload easier to handle. Please give Paul a call and volunteer some time to make the 1990 fleamarket as successful as the previous ones.

Thought for the month: Get active!

Mike, VE3JTG

Late CRRL Bulletin!

HR BULLETIN 4 (PACKET CRLE0004) FROM CRRL
LONDON, ONTARIO, 1990 FEBRUARY 04
TO ALL RADIO AMATEURS (Item 1 only included de VE3HTC)

Item 1: Early January 22, two new UoSATS and four new Microsats were launched from Kourou, New Guinea. They are now in orbit around the earth. UoSATS 14 and 15 are for experiments and research. The Microsats, OSCARs 16-19, are for more general use. PACSAT, LUSAT, and WEBERSAT, with downlinks in the 437-MHz range, have store-and-forward packet radio capability. DOVE which will be programmed to transmit a message of peace, has a 2-metre downlink on 145.825 MHz FM. At press time, DOVE was sending telemetry at 1200-bps FM packet. All six satellites are in essentially the same sun synchronous orbit, resulting in two or three passes each evening at approximately 10 p.m. local time.

MESSAGE FROM YOUR SECRETARY

One project I would like to complete before my term as your secretary expires is to compile a book of descriptions of the various club offices - a handbook of job descriptions. I think this would make it easier for members who volunteer for the various positions to know what is involved and expected, and also it may save new chairmen the time spent "plugging themselves in".

What I need for this project is input from past chairmen and executive members. If you have held a position, any position, in the club, please take a few minutes or weeks to write down what you think your job was - your purpose and how you went about achieving it; the more detailed the better. Write it so that someone knowing nothing about the club could pick up your description and do the job.

Please mail your heavy manuscripts (or hundred word essays) to Secretary, H.A.R.C., Box 253, Hamilton L8H 3C8, or see me at any meeting.

73, Keith VE3DKJ

THE PEEL AMATEUR RADIO CLUB INC.	
FLEA MARKET	
RADIO - COMPUTER - ELECTRONIC EQUIPMENT	
SATURDAY MARCH 3rd, 1990	
TIMES:	VENDORS SETUP 7:30 A.M.-9:00 A.M. GENERAL ADMISSION 9:00 A.M. ONWARD
NORTH PEEL SECONDARY SCHOOL 1305 WILLIAMS PKWY. BRAMALEA, ONTARIO	
TALK IN VE3PRC 146.880-600 KHz	

The Swap Shop: Wanted - 3

To list items: VE3NCF (146.76) Tuesdays 8 pm.
OR Call Ralph (VE3BYM) 388-6146 or Keith VE3DKJ (autodial 19).
OR leave message on the VE3DC Packet BBS (145.050 MHz).

VE3BYM Ralph, 388-6146
o Kenwood SM220 station monitor

VE3JMH Merle, 575-4396
o Ringo Ranger or good 2m beam
o old radios, working or not

VE3DKJ Keith, autodial 19
o 8K expansion module for VIC20

VE3PJS Walt, 544-0200 after 5:00
o op manual for HW7

VE3SBS Morris, 742-5067 Kitchener
o mike with TTP for Yaesu 227RB

VE3ISZ Fred, 827-8425 Oakville
o 3" CRT 3WP1

VE3ANB Rich, 547-8192
o 1986 or more recent Radio Amateur's
Handbook

VE3RBU Bob, 145.350 (VE3WHO)
o Johnson Matchbox capable of 100W

VE3WWM Walt, 847-3699 Oakville
o antenna tuner with SWR meter
o 10 pass filter 200W

VE3JL Cliff, 547-5801
o HF rig to borrow for a short period
while rig is being fixed

JERRY, 544-7770
o OLD TRANSISTOR RADIOS,
WORKING OR NOT

VE3NCK BILL, 545-3579
o 6 or 7A, 12V regulated power supply

VE3YCT BOB, 527-5364
o 4:1 BALUN

VE3LMS GRANT, 547-0711
o 48 V POWER SUPPLY, AMPERAGE
AND REGULATION UNIMPORTANT

VE3JWS JOHN, 628-8927
o NEW FACEPLATE FOR METER ON
SB200 AMPLIFIER

The Hamilton Amateur Advertising Rates - 1990

	Issue	Year
1/4 Page (Business Card)	\$15.00	\$75.00
1/2 Page	\$20.00	\$100.00
Full Page	\$25.00	\$150.00

Sizes are based on an 8.5 x 11 inch page reduced to 4.25 x 5.5 inches (approx). Arrangements can be made to produce your artwork or you can provide camera-ready copy. Note that there will be extra charges if you provide the copies (Originals are photo-reduced and printed as part of the Bulletin).

One year is 10 issues (January to June and September to December).

FROM THE BULLETIN BOARDS - 2

2: Ralph Cameron, VE3BBM, has agreed to become chairman of the Defence of Amateur Radio Fund. Ralph, a supporter of both CRRL and CARF, is well known for his work in the Jack Ravenscroft case. The fund, which is now over \$5000, is being developed to help IARU defend Amateur Radio frequencies at the upcoming WARC (World Administrative Radio Conference) to be held in Spain in the first quarter of 1992. At that conference, delegates will review present use of 3-30 MHz, 500 MHz-3 GHz, and 12.7 GHz and above. There is no doubt that our amateur frequencies will be scrutinized carefully. Please do your part. Send your cheque to the Defence of Amateur Radio Fund, Box 56, Arva, Ontario N0M 1C0.

3: South of the border, despite two court challenges to its 220-222-MHz decision, FCC is going ahead to develop service rules for Land Mobile operation on that band. The FCC announced its decision to reallocate the 220-222-MHz portion of the US 220-225-MHz amateur band to the US land mobile service last summer.

4: Still south of the border, ARRL has filed a petition for rulemaking asking FCC to permit limited HF RTTY and data communications under automatic control. The petition asks FCC to designate 10-kHz in each of the 80-15 metre bands and 20 kHz of the 10-metre band for this kind of operation. Of special interest to non-US amateurs: to conform to IARU recommendations, ARRL has asked that the 20-metre segment be 14.090-14.100 MHz and not in the "international phone band" where much 20-metre packet operation now takes place.

5: Bob Benson, Q.C., VE2VW, will soon be retiring as CRRL General Counsel. Bob has served CRRL--and ARRL before that--with distinction for some sixteen years. In that time, Bob did much effective behind-the-scenes work for individual amateurs and their counsels, often helping with RFI and antenna tower cases. Best wishes to new CRRL General Counsel Tim Eilam, VE6SH, of Calgary. Tim's appointment will be made official at the 1990 May CRRL Board meeting.

HR BULLETIN 3 (PACKET CRLE0003) FROM CRRL, LONDON, ONTARIO, 1990 JANUARY 28, TO ALL RADIO AMATEURS

1: As part of a general increase in licence fees, DOC has raised the fees for Amateur Radio station licenses by some 10%. New station licenses will cost \$29, up from \$26, and renewal station licenses will cost \$22, up from \$20. These increases will take effect this year and will be reflected in the station licence renewal notices that will be mailed out shortly.

2: CRRL Vice President Harry MacLean, VE3GRO, acting as an observer, attended the ARRL Board meeting held in Hartford, Connecticut, on January 19-20. Of interest to Canadian amateurs, ARRL remains hopeful that they will not lose the 220-222-MHz portion of the US 220-225-MHz band. ARRL increased its annual membership dues by \$US 5 a year. This is the first ARRL dues increase in nearly nine years. It will not affect CRRL members who receive QST through CRRL.

The Swap Shop: For Sale - 1

- To list items:** VE3NCF (146.76) Tuesdays 8 pm,
OR Call Ralph (VE3BYM) 388-6146 or Keith VE3DKJ (autodial 19),
OR leave message on the VE3DC Packet BBS (145.050 MHz).
- VE3JSJ Gordon**, 575-3647 (Home), 442-2500 ext 268 (Work, Toronto)
(Or leave message on VE3DC Packet BBS).
- o Mobile HF Antenna: Spider with 4 resonators (80, 40 20 & 10m) mounted on a Hustler fold-over mobile mast. Allows mobile operation on 3745 - 3790, or 7050 - 7100, or twenty meters, or ten meters without having to stop and change resonators. \$ 150.
- VE3MWD Serafino**, 662-4526
- o BNK digital IC colour generator \$225
- VE3BYM Ralph**, 388-6146
- o Kenwood TS820S transceiver, with MFJ 752 dual tuneable filter enhancer for SSB + CW, spare finals, CW filter, MC50 mike, 820 VFO, SP820 speaker, TV506 6 meter transverter, TV502S 2 meter transverter, Realistic SWR/PWR meter, Dentron 1KW antenna tuner 160-10m, all manuals, spotless: \$1250 negotiable
 - o Realistic Pro2011 scanner, 20ch, covers 30-54, 138-174, 380-512MHz \$185
 - o Johnson Viking matchbox 200W \$50
 - o GR17 - AR88 RCAF receiver, all band, good for SWL'er \$50
- VE3JWS JOHN**, 628-8927
- o Kenwood TS820S transceiver, with MFJ 752 dual tuneable filter enhancer for SSB + CW, spare finals, CW filter, MC50 mike, 820 VFO, SP820 speaker, TV506 6 meter transverter, TV502S 2 meter transverter, Realistic SWR/PWR meter, Dentron 1KW antenna tuner 160-10m, all manuals, spotless: \$1250 negotiable
- VE3LWM Mike**, 416-772-3292 Canfield
- o Icom IC3200A 2m/70cm mobile, tones on mike \$600 neg
 - o Yaesu FT73R UHF handle, 2 batteries, one new, short and long rubber duckies, d.c. pwr adaptor, drop in charger, TTP, encode and decode \$375 negotiable
 - o NOVICE TRANSMITTER+RECEIVER PAIR, CONAR MODEL 400 \$SELL OR \$TRADE FOR CW+RTTY RECEIVING MODULE FOR C64 OR VIC20
- VE3NYC Paul**, 664-5247
- o FV401 VFO \$125
 - o FT401 phone patch \$85
 - o 500 Hz Xtal filter \$25
- VE3RRR Dave**, 689-3288
- o Diablo 1620 daisy wheel printer, 8 wheels, tractor feed, 4 printer ribbons, can be used locally \$neg or trade for ham gear

FROM THE BULLETIN BOARDS - 4

ITEM 5. MORE CROSS MOD - Communications Minister Marcel Masse announced the issuing of nine licences for new nation-wide paging services that will use new technologies and radio spectrum to provide one-way alerting radio paging. Two licences are for services on frequencies shared with the U.S.A., and seven on exclusively Canadian frequencies. The call for applicants to supply such services on the newly designated 929-932 MHz channels was published in the Canada Gazette 13 May 1989.

ITEM 6. CBC BROADCASTING ON 80 METRES - Canada signed the 1979 WARC international frequency agreements but added a footnote which took 3950 - 4000 kHz from the Canadian Amateur assignment and allocated it to broadcasting. It was to be used by the CBC which had hopes of erecting an antenna array to service the far north. But modern science came to the rescue and the Canadian North was plugged into the CBC by piping programs via satellite to low power community stations.

Recent stories that the CBC was indeed using the 80 metre part of the spectrum prompted an inquiry of the CBC International Service in Ottawa. The program office told Doug VE3CDC that the Corporation is using the 80 metre band for Japanese language broadcasts. It won't worry Amateurs in Canada or the U.S. as the programs are sent by satellite to mainland China where they are re-broadcast on various frequencies to Japan. For SWLs or interested hams the schedule given by the CBC is:

Time (UTC)	Frequency (kHz)
0800 - 0900 hrs	3925
	6055
	9595
1330 - 1400 hrs	6150
	9535

ITEM 7. Congratulations to Bob Billings VE1YX for earning the ARRL DX CC award for his achievement in contacting 100 countries on 6 metres.

ITEM 8. If you are waiting for a QSL card for working the Crusader Fortresses in Israel last year they are on the way via the bureau. There were 40,000 QSOs made.

ITEM 9. January 1973. The Canadian Amateur, Vol I, No 1 was published by VE3BBQ, Gill Stevens (now deceased). The Directors were A.E. Blich VE3AHU, S.T. Chisolm VE4AJ, M. Koval VE1AJJ, K.E. Rolison VE3CRL, T. ATKINS VE3CDM, J. Strain VE3BSG, D. Burrill VE3CDC.

One item of news was the opening of the National Canadian QSL Bureau, Box 66 Islington. The manager was Len Sumner VE3DOR assisted by the 'wheel chair gang' of disabled Amateurs. We've come a long way since that first 12 page 'tabloid' was published.

FROM THE BULLETIN BOARDS - 5

ITEM 10. 1989 was a very successful year for CARF. Thanks to all our members for their support and help.

ITEM 11. The New York City FCC Field Operations Bureau office is asking Amateurs in the area to help it rid the 10 metre band of illegal taxicab dispatchers. Since April the New York City Office has been investigating complaints by area Amateurs alleging illegal use of 10 metres by New York City taxicabs and other for-hire vehicles. Several illegal stations were closed down as a direct result of the investigation.

However, the illegal operations are continuing and the commission indicates that the next step may have to be prosecution of illegal operators.

Information on changed PEI calls has been deleted in the interest of brevity. Contact VE3JSJ, VE3HTC or the HARC packet station VE3DC if you would like this information.

CARF Bulletin 2 - 90, 12 January 1990

ITEM 1. AMATEUR COMMUNICATIONS ARE BEING SOUGHT TO SUPPORT JOINT CANADA-USSR FITNESS PROGRAM CALLED 'FIT TREK 1990' FITNESS CANADA and GOSCOMSPORT (the USSR State Sport Committee) have jointly organized a program, called 'FIT TREK' to encourage physical fitness in both countries through wintertime physical activity. The theme of the event is a symbolic voyage into space. Each 20 minutes of physical activity recorded counts as one kilometre on that voyage. Amateurs have been asked to provide the needed communications that will enable the physical activity recorded in the paired cities of both countries to be exchanged regularly and compared at the end of the event.

Nikol Kazanski, Vice-President of the Amateur Radio Society of the USSR, Moscow, has said he is willing to establish the radio links with Canada, given previous satisfactory experiences with Canada.

A DOC-to-Ministry of Posts and Electric Communications agreement permitting Amateurs to handle third party traffic is now being drafted and hopefully will be signed very soon.

To implement this program, cities in Canada have been paired with cities in the USSR as follows. Also given are the names of the primary contacts in each Canadian city from whom Canadian Amateurs can obtain more details.

CANADIAN CITY SOVIET TWIN CITY CANADIAN CONTACT
(All entries but Hamilton deleted - VE3HTC)

Hamilton	Uzgorod	Robert Sugden
		T - 416-526-4614
		F - 416-526-2673

FROM THE BULLETIN BOARDS - 6

Amateur Clubs or Amateurs who are interested in taking part in this program should call the contact as soon as possible and get such additional information as they may need, and then set up the necessary schedules, keeping in touch with their contact. CARF News Service will advise as soon as third party agreement been signed. This program is expected to wind up around the end of February.

ITEM 2. GOOD NEWS. according to the Canada Gazette Part II, Amateur station licensing fees for new and renewed station licences will not be increased in 1990/91; Fees for new licences will remain at \$26; renewals will remain at \$20. More info in March issue of 'THE CANADIAN AMATEUR' magazine. (I don't know which one to believe, the CRRL (Item 1, CRRL Bulletin #3) which says rates are going up, or CARF which says not de VE3HTC)

ITEM 4. Effective 1 January 1990 the Canadian Radio Relay League (CRRL) has a new President, Bruce Balla VE2QO, replaces Tom Atkins VE3CDM who is now Secretary of Region 2 IARU.

ITEM 7. PROBLEM IN P.E.I. The 10,000 QSL type 'ABEGWEIT' cards given out by the P.E.I. Dept of Tourism are incorrect. The card states that only contacts made after 1 January 1989 are valid - this should read:

CONTACTS MADE AFTER 1 JANUARY 1960.

For info on this award write: Awards Manager, P.O. Box 1232, CHARLOTTETOWN, P.E.I., C1N 7M8.

I envy more than I can tell, people whose names they don't have to spell

DE VE3VCA

THE RED CROSS EMERGENCY CALL UP LIST IS BEING UPDATED IN FEBRUARY83
OUR CLUB IS DEDICATED TO ASSIST THE RED CROSS WITH COMMUNICATIONS
IN AN EMERGENCY SITUATION.
TWO CALLOUT PRACTICES ARE REQUIRED ON AN ANNUAL BASIS. THIS IS A
TEST ONLY ON MESSAGE HANDLING AND THE READINESS OF THE PARTICIPANTS.
AS THE TIME INVOLVED IS MINIMAL PLEASE CONTACT ME IF YOU CAN HELP
IN ANY OF THE FOLLOWING AREAS:

PACKET OPERATORS	4
VHF TRAFFIC	4
UHF TRAFFIC	4
LOWBAND PHONE	4

ANYONE WISHING TO ASSIST CAN CONTACT ME AT 654 5247

EMERGENCY COORDINATOR
PAUL HAZEN VE3 NYC

FROM THE BULLETIN BOARDS - 3

3: Winnipeg Amateur Radio Club (WARC) sponsors the "Worked All Winnipeg Award". Here are the rules: Stations in Manitoba, including Winnipeg, must work 25 Winnipeg stations. Stations outside of Manitoba but still in North America must work 15 Winnipeg stations. Stations outside of North America must work 10 Winnipeg stations. To receive your attractive certificate, send log data, certified by two amateurs and yourself, along with \$2 or six IRCs, to Worked All Winnipeg Award, Box 352, Winnipeg, Manitoba R3C 2H6.

4: February is CRRL membership month. The February issues of QST Canada was mailed to every amateur in Canada. If you are not yet a CRRL member, consider the benefits and join CRRL. You'll be helping yourself and Canadian Amateur Radio.

COMING EVENTS:

ARRL International DX Contest - CW February 17-18
 CQ WW 160-Metre Contest - phone February 23-25
 Peel (ON) ARC Fleamarket March 3
 ARRL International DX Contest - phone March 3-4
 Bermuda Contest March 17-18

73

DE VE3GRO

VE3GYQ, CRRL, BOX 7009, STATION E, LONDON, ON N5Y 4J9.

CARF NEWS BULLETIN 01-90

3 JANUARY 1990

B.H. BURDSALL VE3NB

EDITOR

P.O. BOX 356, KINGSTON, ONTARIO, K7L 4W2

ITEM 1. A prosperous New Year to all our readers - you'll need prosperity to pay for all those increased costs this year, next year and for ever & ever.

ITEM 2. There has been a message appearing on packet bulletin boards stating that Canadian Amateurs will be restricted to operation between 14,300 to 14,350 effective 1 April 90. CARF has been informed that this is not true. Lots of strange things happen on 1 April each year.

ITEM 3. CARF must apologize for the mix-up in the dates of the CARF Winter contest. Future contests will always be held on the last Sunday of December. (when we find the culprit responsible for the mix-up in dates he will become a DX station on Devil's Island, French Guiana). See contest scene in February issue of The Canadian Amateur for comments on this contest.

The Swap Shop: For Sale - 2

VE3KTC Ralph, 664-5618

o FT470 dual band handie \$550 or b.o.

VE3ISZ Fred, 827-8425 Oakville

- o 70cm/2m repeater, 150W out on 2m, can be used as 2m hi-pwr amp, with p.s.- manual, cables \$neg
- o 30' heavy duty TV type tower, H frame with 10' spacing \$50
- o Cushcraft 147-22, has two 11 element beams, stacking harness \$125
- o Tubes: two 4X150 almost new, also six sockets to fit, four 2C39, one 4X250K coaxial type \$10 each or neg

VE3NYX Renzo, c/o autodial 19 VE3DKJ

o Yaesu MD-1 desk mike mint condition \$90 firm

VE3OCQ Bob, 549-6125

o VuStar 300W antenna tuner \$80

VE3UDX Ray, 688 0130 St Catharines

o 6m KLM antenna, 11 element, 30' boom \$160

FREE: JERRY, 544-7770

o 3-4 DOZEN BABY FOOD JARS WITH LIDS SUITABLE FOR PARTS, ETC \$FREE

VE3HOD BILL, 578-0432

- o ALINCO DJ100T 2M PORTABLE 10CH \$350
- o LARSON 5/8 MAG MOUNT COMPLETE \$40
- o 40M MOBILE ANTENNA \$20
- o RADIO SHACK TRS80 III WITH 2 DISK DRIVES AND SOFTWARE \$250
- o RADIO SHACK VM4 GREEN VIDEO MONITOR \$75
- o JOHNSON VIKING MATCHBOX \$50
- o SERIAL PRINTER WITH MANUAL \$50
- o 20 AMP POWER SUPPLY \$50

VE3NCK BILL, 545-3579

o MFJ 8044 MODEL 404 ECONO KEYS \$NEG OR \$TRADE FOR POWER SUPPLY

VE3YCT BOB, 527-5364, -1985

o FOREIGN CALLBOOK \$MAKE AN OFFER

FROM THE BULLETIN BOARDS - I

BULLETIN 1 CRRL 1990 JANUARY 14

- 1: Happy New Year! A CRRL Bulletin 38 circulated by packet radio stations just after Christmas did not originate with CRRL. The bulletin, which announced that on April 1 DOC planned to limit Canadian phone operation on 20 metres, was a hoax.
- 2: The ARRL Awards Committee has accepted the recommendation of the ARRL DX Advisory Committee to add Conway Reef, 3D2, and Banaba (formerly known as Ocean Island), T33, to the ARRL DXCC countries list. QSL cards for both may be submitted to ARRL on or after 1990 March 1 (Cards submitted before that date will be returned with no action being taken).
- 3: Target date for implementing Restructuring of the Amateur Service is still 1990 September 01. At that time there will be a new Amateur Radio licence with four levels of qualification. The Basic level will allow all modes, 250 watts on amateur bands 30 MHz and above, commercial transmitting equipment only. 5-wpm code will add all modes, 1.8-2 and 3.5-4 MHz. 12-wpm code will add all modes in the remaining amateur bands. The Advanced level will allow homebrew transmitting equipment, maximum legal power, and the right to own and operate a remote base or repeater station. All amateurs who have the present Amateur Certificate by 1990 September 01 will be deemed to have 12-wpm and Advanced level qualifications. They will automatically receive "full privileges".
- 4: Because of difficulties at the launch pad, launch of AMSAT's four MICROSATS, scheduled for January 11, has been delayed until January 23-26. To follow progress of the launch, local FM repeaters may join a teleconference bridge on launch day. To reserve a port for your repeater, contact AMSAT Launch Information Service, Courtney Duncan, N5BF, 4522 Ocean View, La Canada, California 91011, Telephone (818) 957-8455. (Note from VE3GYQ: Note, the launch has taken place already)
- 5: In other satellite news, Japanese amateur satellite JAS-1b is scheduled to be launched from the Tanegashima Space Centre on February 01. Telemetry will be transmitted on 435.795 MHz.
- 6: Many thanks to Larry Lazar, VE4SL, for his many years of work as manager of the CRRL VE4 Incoming QSL Bureau. Best wishes to new bureau manager Adam Romanchuck, VE4SN. Adam's address--and address for the VE4 bureau--is 26 Morrison Street, Winnipeg, Manitoba R2B 3V4.

BULLETIN 2 CRRL 1990 JANUARY 21

- 1: Prefix hunters, take note. To commemorate the Centennial of the City of Moncton, New Brunswick, members of Moncton Amateur Radio Club have been authorized to use the special prefix XM1 throughout April.

GOTA

The Girl Guides are looking for amateur radio operators to help them with Guides on the air, Feb. 24 & 25. The calling frequencies are 3.775 7.150 14.133 14.283 21.288 & 28.488.

Dayton Hamfest

The Brantford Club has a charter coach to Dayton leaving Friday April 27 at 9 pm, leaving Dayton Saturday at 6 pm. Cost is \$60.00 payable by April 1. First come first served. Call Dan Cooper, VE3CJD at 519-752-8673, address R.R. 2, Brantford, N7T 5L5.

From the January Executive

Improvements to the repeater include new Heliax, antenna and overhaul of the stand by battery system. An ad-hoc committee was formed to review the Club Constitution. Members are Jim VE3SM, Keith VE3DKJ, Don VE3OCY and Fred VE3GCP. Suggestions are welcome.

From the January Meeting

-VE3AHL Gordon, Awards Chairman introduced VE3ZF Ed who gave a history of the Order of the Gavel. First awarded 20 October 1977, he said it is the highest award the club can give - it serves to ensure continuity and safeguard integrity. VE3ZF then awarded the certificate to VE3HTC Dave.

-VE3GCP Fred spoke asking for hams in contact with the U.S.S.R. on a regular basis to get in touch with him to assist in his project re: Hamilton/Uzhgorod, USSR twinning.

He is also looking for volunteers for the Round the Bay race. *APRIL 15*

-VE3OCY Don introduced the speaker for the evening - himself. He mentioned his Hands-on-Electronics course starts Thursday 25 January at Valley Park Community Center, Satellite City. It runs 8-10 p.m., for 9 possibly 10 weeks and costs \$40 in advance.

He also distributed forms for member input into program planning. He then gave an interesting talk on the oscilloscope.

New Members

Welcome to James Miyasaka, VE3CIE, Sidney Hayes, VE3AGG, Mike Pocsynek, VE3ITS, Paul Webb and Steve Mandula.

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 (special arrangements are often made for the December meeting as well), in the Nash Auditorium, Chedoke Hospital. Non-members & friends are welcome - coffee and donuts on the house!

EXECUTIVE:

Meets at 1930 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 may be held in the Radio Room, Red Cross Building 400 King St East to help those who want to take their Amateur Licencing tests. Call 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 for information will be announced as soon as the chairman is appointed.

SWAP-NET:

Every Tuesday at 8.00 pm on VE3NCF (146.76/16) except during July & August. Contact Keith, VE3DKJ if you have items to buy or sell.

FLEA-MARKET:

Held during October each year (Thanksgiving Day Weekend). Watch for a changell!

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 145.050 FM.

THE "ORDER - OF - MERIT"

RULES OF ORDER

1. THE "ORDER OF MERIT" SHALL BE AWARDED ACCORDING TO THE FOLLOWING RULES:
2. THE "ORDER OF MERIT" IS AWARDED BY THE HAMILTON AMATEUR RADIO CLUB, HEREAFTER CALLED "THE CLUB", IN RECOGNITION OF DISTINGUISHED SERVICE, IN THE REALM OF AMATEUR RADIO.
3. AN AWARD COMMITTEE CONSISTING OF NOT LESS THAN THREE, NOR MORE THAN FIVE PAST PRESIDENTS OF THE CLUB, WHO ARE MEMBERS IN GOOD STANDING, SHALL BE APPOINTED BY THE EXECUTIVE COMMITTEE OF THE CLUB. APPOINTMENTS SHALL BE FOR A PERIOD OF THREE YEARS AND, REAPPOINTMENTS ARE PERMITTED. SUCH COMMITTEE TO APPOINT THEIR OWN CHAIRMAN.
4. PERSONS ELIGIBLE TO BE NOMINATED FOR THIS AWARD SHALL SATISFY RULES 5 AND 6.
5. THE PERSON SHALL BE A MEMBER OR PAST MEMBER OF THE CLUB.
6. THE PERSON SHALL HAVE PERFORMED A SERVICE TO AMATEUR RADIO WHICH:
 - (A) IS NOT THAT NORMALLY EXPECTED FOR ANY APPOINTMENT, OR ELECTED POSITION, OR OFFICE; OR...
 - (B) HAS PROMPTED, AND HAS RESULTED IN GREATER INTEREST AND ENJOYMENT FROM AMATEUR RADIO FOR THE MEMBERS OF THE CLUB, OR ANY ALLIED ORGANIZATION, WHICH IS WORTHY OF RECOGNITION BY THE CLUB.
7. ANY CLUB MEMBER MAY NOMINATE A PERSON (IN WRITING) FOR THIS AWARD, PROVIDED THAT THE NOMINATION:
 - (A) STATES THE SERVICE PERFORMED BY THE NOMINATED PERSON THAT WARRANTS THE NOMINATION; AND ...
 - (B) IS SIGNED BY THREE CURRENT CLUB MEMBERS.
8. THE NOMINATIONS SHALL BE FORWARDED TO THE AWARD COMMITTEE.
9. A NOMINATION SHALL BE DEEMED ACCEPTABLE FOR THE AWARD PROVIDED THAT NOT MORE THAN ONE MEMBER OF THE AWARD COMMITTEE ABSTAINS FROM VOTING, OR CASTS A NEGATIVE VOTE. THE DECISION OF THE COMMITTEE SHALL BE FINAL.
10. AWARDS WILL NOT BE AWARDED ON AN ANNUAL OR FIXED TIME BASIS, BUT ACCORDING TO THE FREQUENCY THAT SUCH TRULY DISTINGUISHED SERVICES ARE PERFORMED, OR BROUGHT TO THE ATTENTION OF THE CLUB.
11. PERSONS AWARDED THE "ORDER OF MERIT" SHALL HAVE THEIR NAME AND CALL SIGN ENGRAVED UPON THE "ORDER OF MERIT" PLAQUE.
12. THE AWARD COMMITTEE SHALL PREPARE AND KEEP ON RECORD THE CITATION FOR EACH AWARD.

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