

JAN/87

THE HAMILTON AMATEUR RADIO CLUB INC.  
Established 1933  
P.O. Box 253, Hamilton, Ontario, Canada, L8N 3C8

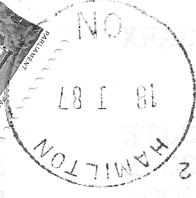
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9 CLINTON ST  
RICK DANBY

383-4181  
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Peter Leckie  
Wayne Blair  
Bob Wilson  
George Olenick

MEMBERSHIP  
TREASURER  
SECRETARY  
VICE PRESIDENT  
PRESIDENT

COMMITTEE CHAIRMEN & ASSOCIATES



POSTAL CODE  
CYCLES POSTAL

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Norman Smith  
Bill McCaslin  
Jack Heywood  
Stan Rothman  
Evered Engle  
Peter Mans  
John Faber  
Glenn Simpson  
Ralph Tava  
Mark Gibson  
Paul Fick  
Glenn Gibson  
Ed Charlesworth  
John Kasey

HAMILTON AMATEUR RADIO CLUB INC.,  
P.O. Box 253,  
Hamilton, Ontario.

H.A.R.C.  
January 1987  
Bulletin

The Hamilton Amateur Radio Club meets at 8:00 pm on the 1st Wednesday of each month except July & August. The location is the Hamilton Public Library, 100 Front Street East, Hamilton, Ontario. Non-members are welcome.

Membership fees are \$30.00 per annum with a common renewal date of January 1st. Included is a subscription to the club bulletin. Family memberships are available at \$1.00 for each additional person.

VE3NCZ Repeat is owned and operated by The Hamilton Amateur Radio Club. It is located on the Hamilton waterfront and is available for use by any amateur within range. Input is 147.180 MHz. Output is 146.700 MHz.

The swap meet is held on VE3NCZ every Tuesday at 8:00 pm except during July & August.

# THE HAMILTON AMATEUR RADIO CLUB INC.

Established 1932

P.O. Box 253, Hamilton, Ontario, Canada. L8N 3C8

## 1987 OFFICERS & DIRECTORS

PRESIDENT	:	Gordon Barber	VE3AAH	383-9161
PAST PRESIDENT	:	Glenn Gibson	VE3FHQ	385 2786
1st VICE-PRESIDENT	:	Everet Englert	VE3OQX	578-2458
2nd VICE-PRESIDENT	:	Peter Goodson	VE3DOU	387-2585
SECRETARY	:	Wayne Staat	VE3LWD	561-2253
TREASURER	:	Bob Wilson	VE3CIB	383-2054
MEMBERSHIP	:	George Olenick	VE3BLG	383-7338

## COMMITTEE CHAIRMEN & ASSOCIATES

AWARDS & CONTESTS	:	Norman Smith	VE3BK	385-5661
CLUB HISTORIAN	:			
CLUB PROPERTY	:	Bill McCaslin	VE3ARX	634-5190
EDITOR	:			
EDUCATION	:			
EMERGENCY SERVICES	:	Jack Heywood	VE3JTR	689-4406
HEALTH & WELFARE	:	Stan Bolibruch	VE3GFE	528-4002
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PUBLICITY	:			
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REPEATER	:	Glenn Simpson	VE3DSP	385-8478
SWAP NET CONTROL	:	Ralph Tufts	VE3BYM	388-6146
TECHNICAL	:	Mark Gibson	VE3MWH	389-4308
TECHNICAL	:	Paul Fleck		383-1101
VE3DC LICENCEE	:	Glenn Gibson	VE3FHQ	385-2786
VE3NCF LICENCEE	:	Ed Charlesworth	VE3ZF	634-2520
VE3RCB LICENCEE	:	John Kassay	VE3FDK	385-0422

The Hamilton Amateur Radio Club meets at 8:00 pm on the 3rd Wednesday of each month except July & August. The location is the Nash Auditorium, in the Chedoke Hospital grounds, Hamilton. Non-members & friends are welcome.

Membership fees are \$20.00 per annum with a common renewal date of January 1st. Included is a subscription to the club bulletin. Family memberships are available at \$1.00 for each additional person.

VE3NCF Repeater is owned and operated by The Hamilton Amateur Radio Club. It is located on the Hamilton escarpment and is available for use by any amateur within range. Input is 146.160 MHz Output is 146.760 MHz

The swap net is held on VE3NCF every Tuesday at 8.00 pm except during July & August.

JANUARY 1987 MEETING  
THE HAMILTON AMATEUR RADIO CLUB

Our speaker will be Mark Tomlinson from the Toronto FM Repeater Society. Meeting is on January 21st at 8:00 P.M. at Nash Auditorium Chedoke Hospital.

A MESSAGE FROM YOUR PRESIDENT

I am quite concerned that not many young people are becoming interested in Amateur Radio. The recent presentation by D.O.T. re making it easier to become an amateur radio operator in the 2 meter band indicates that this is a real fact. This easement may be difficult for some of the long time operators to accept.

A number of years ago I heard an A.R.R.L. staff member who attended a World Frequency Allocation Conference tell of what went on. He said the commercial stations knew definitely what frequencies they required. The short wave broadcasters--if Country "A" had one station on a short wave broadcast band, Country "B" wanted two stations, etc.

We have our amateur operating bands for historical reasons. If the number of amateurs using them decreases, there is the great possibility they could be partially or all lost.

This year I think the H.A.R.C. membership should work hard to bring our interesting hobby to the attention of as many people as possible. More will be said about this in future Bulletins and meetings.

Your 1987 President,  
Gordon Barber, VE3AAH,  
licenced since 1936.

NOTE: Our Bulletin is reduced in size this month. We require someone to take over the position of Bulletin Editor for 1987.

Our Bulletin mailing list is on a Commodore 64 disc. Does anyone have the same computer system who would be willing to print the address labels for future Bulletins?

SUPPORT THE ADVERTISERS -- THEY HAVE SUPPORTED YOUR CLUB

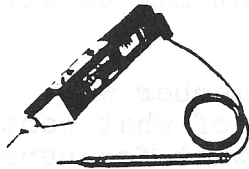
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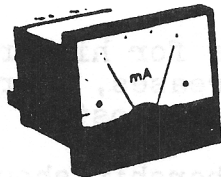
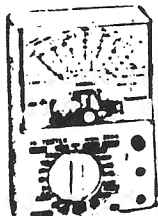
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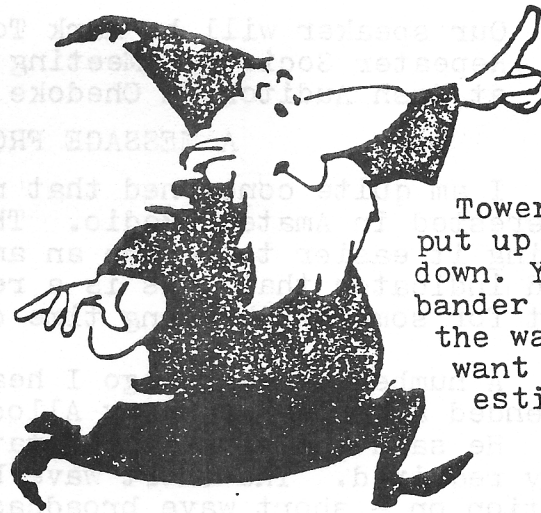
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REPEATER UPDATE:

The new software was installed in the controller during October. There appears to be one minor glitch but it does not affect the operation of the VE3NCF system greatly.

The 450 MHz link transceiver was installed on the VE3RPT Link network during November. It is currently available for use, although the system still has a few bugs that will be ironed out soon. These bugs do not affect the operation from our VHF end but do cause trouble for anyone trying to gain access to VE3NCF from the VE3RPT Hub.

Some of you may already be aware of the problems: no ID and a DTMF decoder problem on the 450 MHz side. I managed to conquer the ID problem on November 29th. But the fix I had quickly come up with to defeat the priority structure of the decoder won't work. I suddenly realized this around 4 a.m. one morning when I discovered I was only dreaming of being chased by a giant backhoe!

Currently access to the VE3NCF patch through the VE3RPT Hub is not possible. I have a few ideas on this problem but the possibility of redesigning some new hardware to make our system meet our growing needs more efficiently may occur and incorporating patching facilities on the new hardware might be a better way to go. All options will be looked at in detail over the next several months. If no concrete decisions are made by the summer, another "quick-fix" will be whipped up to meet any needs. Currently, we have a lot of jumpers and quick-fixes in place to keep the system running--mostly my doing. Whenever another modification occurs, I end up cutting another of Mark's (VE3MWH) neat wire ties. (Sorry, Mark!)

A link system map was supplied in The December Bulletin for your convenience. From VE3NCF VHF you can access the VE3RPT Hub by entering 712. (713 turns the link transceiver off). Once on the Hub you will notice that our courtesy tone sounds different. Actually, I have configured it so that the "echo" from the Hub's tail inverts our courtesy tone. So when you transmit and the link transmitter is on, you will hear 4 distinct tones. When someone finishes talking on the Hub you will hear two tones; the first tone lower than the second. With this knowledge you can tell where a signal is originating.

To send any touch tone sequences into the link system, you must first tell our controller to ignore the digits. This is a simple

procedure, but makes our system slightly different from the rest of the link system. Just precede any of the tone sequences to be sent with the pound or number sign (#) (e.g. #251). Our controller recognizes the number sign but ignores the rest of the digits afterwards so the touch tone decoder on the Hub only hears 251.

The link system is easy to use and you should not be afraid to use it. If when you are turning repeaters on you come across a QSO, don't panic! Just wait until the QSO is completed if you want to use the link or break in at a convenient pause and indicate that you want to shut the link down. But check to make sure that no one is using the portion of the link that you want to shut down! You can always disconnect our link transmitter without disconnecting anything else.

The link will remain open as long as there is activity on the channel. The links automatically turn off after 5 minutes of inactivity. Our controller will similarly turn off our link transmitter after a period of inactivity.

Finally, an updated function code is in preparation. It will be sent out as soon as possible.

Good Luck and keep your thoughts and ideas coming.

73.

VE3JTQ

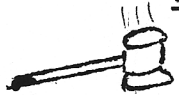
HTF Paul Fleck

Jan 21/87

THE HAMILTON AMATEUR

Entry Form For

"THE ORDER OF THE GAVEL C.W. OPERATING AWARD"



**"CALLING ALL  
BRASS POUNDERS"**

Please submit this form not later than the February 1987 membership meeting. The trophy will be awarded at the March meeting. The judges may want to see your logs before making their final decision.

Include QSO'S from Jan 1, 1986 to Dec. 31, 1986 inclusive. A valid QSO must be in the CW mode using your own call sign and must contain the standard report i.e. RST, name, call and QTH.

Fill in the applicable blanks below to compute your score.

- 1. No. of QSO'S under 10 watts (non DX) \_\_\_\_\_ x 5 = \_\_\_\_\_ pts.
- 2. No. of QSO'S under 10 watts (DX) \_\_\_\_\_ x 5 x 5 = \_\_\_\_\_ pts.
- 3. No. of QSO'S under 200 watts (non DX) \_\_\_\_\_ x 2 = \_\_\_\_\_ pts.
- 4. No. of QSO'S under 200 watts (DX) \_\_\_\_\_ x 2 x 2 = \_\_\_\_\_ pts.
- 5. No. of QSO'S over 200 watts (all) \_\_\_\_\_ x 1 x 1 = \_\_\_\_\_ pts.
- 6. TOTAL (1) + (2) + (3) + (4) + (5) ..... = \_\_\_\_\_ pts.

Now use one of the following equalizers to obtain your score.

- 7. Lic. 3 years or more reduce 6 by 25%..... \_\_\_\_\_ pts.
- 8. Lic. under 3 years reduce 6 by 15%..... \_\_\_\_\_ pts.
- 9. Lic. 2 years and under reduce 6 by 10%..... \_\_\_\_\_ pts.
- 10. Lic. 1 year and under use 6..... \_\_\_\_\_ pts.
- 11. Lic. under 1 year but more than 90 days you may pro rate 6 thusly  
 \_\_\_\_\_ (6) x 365 = \_\_\_\_\_ pts.  
 no. of days lic.

\_\_\_\_\_ Date of licence shall be considered the date of your first QSO on your own station call.

\_\_\_\_\_ name \_\_\_\_\_ address \_\_\_\_\_ phone

\_\_\_\_\_ SCORE (one of 7 to 11) = \_\_\_\_\_ pts.  
station call