

THE HAMILTON AMATEUR

OCTOBER 1988
(Established 1932)

BOX 253, Hamilton,
Ontario, Canada L8N 3C8.

CLUB MEETING:
October 19
VE3JTO Mike Spenuk

Update on the Club
Repeater: VE3NCF.

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

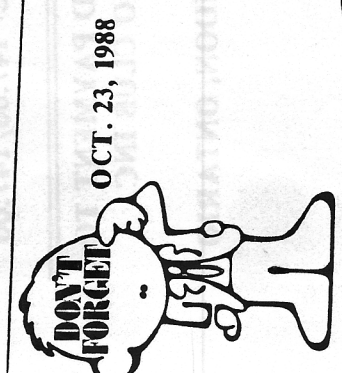
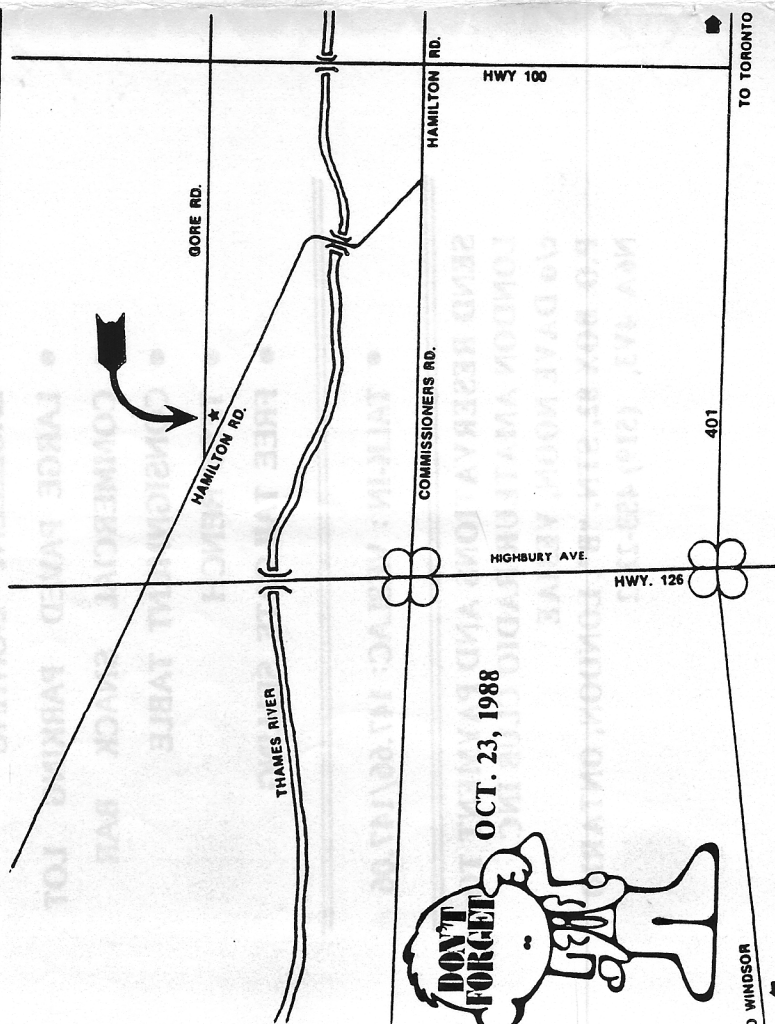
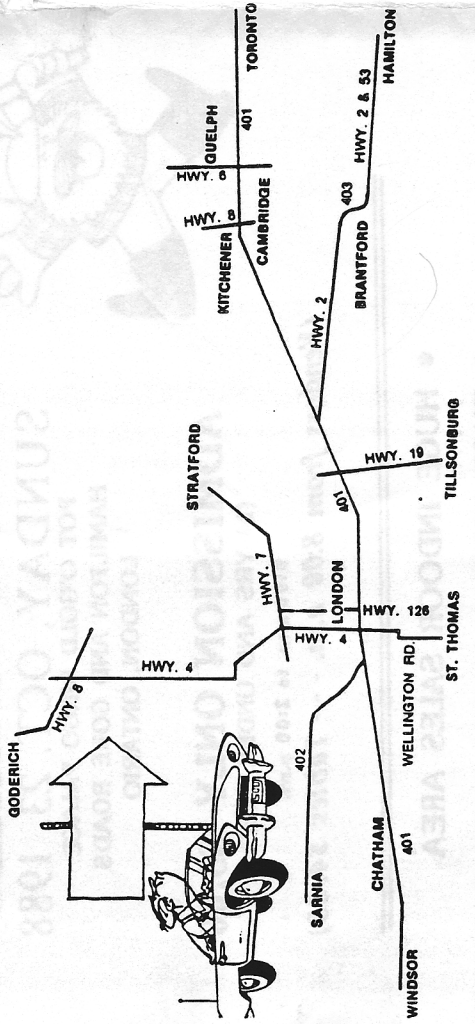
Membership fees are \$20.00 per year with a common renewal date of January 1. Included is a subscription to the club bulletin. Additional Family Memberships (no bulletin) are \$1 for each person.

The VE3NCF Repeater is owned and operated by the Hamilton Amateur Radio Club. Located on the Hamilton escarpment it is available for use by any amateur. Input: 146.16Mhz. Output: 146.76 Mhz.

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

CLUB OFFICERS AND COMMITTEE MEMBERS FOR 1988

PRESIDENT	Everett Englert	VE300X	578-2458
PAST-PRESIDENT	Gordon Barber	VE3AAH	383-9161
1st VICE-PRESIDENT	Dave Rypma	VE3HTC	689-3014
2nd VICE-PRESIDENT	Jim Walsh	VE3SON	689-6839
SECRETARY	Wayne Staat	VE3LWD	561-2253
TREASURER	Paul Hazen	VE3NYC	664-5247
MEMBERSHIP	Gordon E. Murray	VE3JSJ	575-3647
AWARDS & CONTESTS	Bernie Granby	VE3EKY	527-7175
HISTORIAN	George Olenick	VE3BLG	383-7338
PROPERTY	Bill McCaslin	VE3ARX	634-5190
BULLETIN EDITOR	Jim Walsh	VE3SON	689-6839
EDUCATION	Gordon E. Murray & Gordon E. Murray	VE3JSJ	575-3647
EMERGENCY-SERVICES	Glen Gibson	VE3FHO	365-2786
FLEA MARKET	Gordon E. Murray	VE3JSJ	575-3647
HEALTH & WELFARE	Paul Hazen	VE3NYC	664-5247
PROGRAMS	Kurt Vogel	VE3PUJ	389-8246
PUBLIC-SERVICE	Paul Hazen	VE3NYC	664-5247
PUBLICITY	Fred Robinson	VE3GCP	575-5197
REFRESHMENTS	Fred Robinson	VE3GCP	575-5197
REPEATER	Volunteers needed!		
SWAP NET CONTROL	Glenn Simpson	VE3DSP	365-8478
TECHNICAL	Ralph Tufts	VE3BYM	388-6146
VE3DC LICENCEE	Mark Gibson	VE3MWH	369-4308
VE3NCF LICENCEE	Paul Fleck	VE3HTF	
VE3RCB LICENCEE	Glenn Gibson	VE3FHO	365-2786
	Glenn Simpson	VE3DSP	365-8478
	John Kassay	VE3FDK	365-0422



OCT. 23, 1988

The Swap Shop by Ralph VE3BYM



- VE3OQG Florie 560-6329 Hamilton
Yaesu FIC2235 6 channel c/w charger, rubber duck. \$ 150.
- VE3IQL Terry 643-2116 Ancaster.
FT73K uhf rig c/w touchpad, case & belt wallchgr. man. 375.
- VE3FEK Earl 1-416-426-5424 simcoo.
icom 225A s/n. 25 W. & man. -3500.- IC215 15 ch. xtal.chgr.100.
- VE3HTV Al 1-416-267-2231 Scarborough.
Kenwood 721 A (1 month old) c/w manual. neg.
- VE3JUF Tom 1-416-275-9250 Mississauga.
Yaesu FTDX 401- \$350. - Johnson Viking 11 c/w match vfo. 80.
- VE3L Brad 1-416-562-2445 Stony Creek.
Realistic Pro-22 model 20-133 handheld scanner. 400.
- VE3SRK Rich 547-4378 Hamilton.- rro25 Model 20-3106 scanner. 50.
- VE3XYO John 774-6367 Sunville,RS Co 2 computer c/w packet/p.m.85.
- VE3AQJ Sid 389-2061 Hamilton. Ramsey Model 125 freq. mtr.60-1gh.125.
- VE3GZM Rae 632-2344 Burlington. Phillips coda rhone. 10.
- VE3AMH Joe 335-5655 Port Colborne. 13.8W. 20 amp. reg. p/s. 100.
- VE3OCY Don 560-1960 Hamilton.13.8W. 10 amp. reg. 75.
- VE3OQM Bob 389-2631 Hamilton 5-8ft sections Delhi H.D. twr.,
c/w top & bottom pcs. Guy wires & turnbuckles. 125.

W A N T S

- VE3AZ Ted 1-416-646-4915. Brampton BC to DC converter
- VE3CA Bill 545-5579 Hamilton. Hustler 40-75-80 lo pwr. resonators.
- VE3JQ Alex 335-7729 Ham. 3 el iri band beam.
- VE3WR Jeff 648-2230 anc. Bitternut vertical 10 to 80.
- VE3SRM Richard 547-4878 Hamilton. 3 el. beam.
- VE3OZO John 336-2531 Carl. 6 meter xcvr or 6 meter Transvert.r.

73 Ralph

given. The activity timer hangs up the patch either if there is no activity on the receiver channel for more than 60 seconds, or if there is a constant carrier. It is reset at the beginning and end of each user transmission. A 'warble' warns of impending timeout of the activity timer. When heard, the user may refresh the timer by keying down to produce a brief carrier.

Last number redial:

The user can later redial the last number called through the patch with a simple command, in case the number was busy. The last number dialed is stored for ten minutes, after which it is erased automatically by the controller.

'BEE ZEE':

When a user attempts to make a patch and the controller responds "Bee Zee", this means the phone line is tied up (busy) handling other functions at the repeater site. The user can attempt the patch again utilizing the redial feature thus saving key strokes.

Hailbox:

- ID Message 7110
Firmware Revision Level 711*
Callsign + Demo Message 711(00-99)
Interrogate Mailbox 71
Preview Mail Message 0-9 71*(0-9)
Send Message 71(to 00-99)(from 00-99)(message 0-9)
- or
- 71(to 00-99)(from 00-99)(message 0-9)(up to 8 digits).
- Receive Message(s) 71(00-99)
Erase Message(s) 71(00-99)*

A HAM BY ANY OTHER NAME

FM: 52.25, 146.55, 223.5, 446.0, 906.5, and 1294.5.
Packet: 51.0, 144.91, 221.0, 441.0, 904.1 and 1294.1
ATV: 439.25

As an experiment, contacts on 146.52 MHz will be considered valid. Avoid operating on 5011 MHz for North American contacts. Exchanges: Call sign and grid square; signal reports are optional. Submit separate logs for each sprint to Dana Shkun, VE3DSS, 500 Willard Ave, Toronto, ON M6P 2S1 by December 1. Indicate times, call signs, grid squares, time on and off and total operating time. Score each sprint separately. Count one point per valid contact; multiply contact points by number of grid squares worked for a final score which will be published in QST and QST Canada.

V. CRRL has learned that Communications Canada has released a document outlining maximum radiation allowed from computers and other digital equipment. CRRL commented on this matter two years ago when Communications Canada first indicated it was preparing this document. An important point in the CRRL submission was that any piece of digital equipment creating interference to radio communications, even if harmful radiation was less than the maximum allowed, should be taken out of service until repaired. Apparently, Communications Canada incorporated this point into their new document.

VI. Communications Canada's policy paper for 902-928 MHz should be available by the time you hear or read this. If you are concerned about the future of this band, get a copy through your local Communications Canada office, read it and comment. Remember, a WAEC with power to reallocate our amateur bands may be just around the corner.

VII. Congratulations to 12-year old Michael Scott, VE7MRS, and 10-year old Ronnie Scott, VE7GRS, of Uclulelet on Vancouver Island, who are believed to be the youngest radio amateur in Canada. Both were instructed at home by their stepdad, Gary Anderson, VE7CGA.

VIII. Don't forget the 31st Annual Scouts Jamboree-on-the-Air, beginning at 0000 local time on October 15 and ending at 2400 local time on October 16. This Jamboree could be the biggest ever with improved radio conditions due to the new sunspot cycle. Call "CQ Jamboree" on the following frequencies: CW: 3.59, 7.03, 14.07, 21.14 and 28.19 MHz SSB: 3.74, 3.94, 7.09, 14.29, 21.36 and 28.99 MHz. Also, on the same weekend, get set for SET, ARRL and CRRL's Fall Simulated Emergency Tests. Your CRRL Section Manager or Section Emergency Coordinator has the details.

The word HAM as applied to Amateur Radio dates back to 1908 and was the call letters of the first Amateur Wireless station operated by some members of the Harvard Wireless Club. They were Albert S. Hyman, Bob Almy, and Reggy Murray.

At first, they called their station Hyman-Almy-Murray, but tapping out such a long name in morse code soon called for a revision. They thus changed their call to HY-AL-MU, using the first two letters of each name. Early in 1909, some confusion resulted between the signals from amateur wireless HyAlMu and a Mexican ship named the Hyalmo. It was then the boys decided to use only the first letters of each name - and the call became HAM.

In the very early days of radio, amateur operators picked their own frequency and their own call letters. Then, as now, some amateurs had better signals than some commercial stations. The resulting confusion and interference finally came to the attention of congressional committees and they in turn gave much attention to proposed legislation, designed to critically limit amateur activity.

In 1911, Albert Hyman chose the controversial wireless legislation bill as his thesis at Harvard. His instructor insisted that a copy be sent to Senator Davis A. Walsh, a member of one of the committees hearing the bill. The Senator was so impressed that he sent for Hyman to appear before the committee. He was put on the stand and described how the little amateur station was built.

He almost cried when he told the crowded committee room that if the bill went through, they would have to close the station because they could not afford the licence fees and all the other requirements that were set up in the bill. The debate started, and the little HAM became the symbol of all the little amateur stations in the country, crying out to be saved from the menace and greed of the big commercial stations that didn't want them around.

Finally, the bill got to the floor of Congress, and every member talked about the poor little station HAM. That's how it all got started, and you will find the whole story in the Congressional Record, from that day to this - and probably to the end of time - in radio language an amateur is a HAM.

Originally written by Merle Henry, W3MMY
From TCA via SARC NEWS

DANGEROUS CRIMINAL AT LARGE!

A reward of 500 microfarads is offered for information leading to the arrest of Hopalong Capacity! This unrecitified criminal escaped from a Weston primary cell where he had been clamped in Ions. He is charged with the murder of his Aunt Enna and his uncle Con Denser as well as the induction of an 18 turn coil named Millie Henry who was found choked and robbed of valuable joules. He is armed with a carbon rod and is a potential killer. He is also accused of driving a DC motor over a wheatstone bridge and refusing to let the band pass.

If encountered, he may offer series resistance. The electromagnetic force spent the entire night searching for him in a magnetic field where he had gone to earth. They had no success and now believe that he has returned ohm, via a short circuit. He was last seen with his friend Eddie Current, riding on a kilocycle. Eddie was playing a harmonic. Charges against Hopalong Capacity are being instigated under legislation pertaining to Ohm's Law.

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FROM CRRL BULLETINS

- I. Eleven amateurs in Puerto Rico face possible revocation of their licenses because of US FCC charges that they were involved in fraud in their roles as Volunteer Amateur Radio Examiners. FCC became suspicious when, in just a short time, growth in the number of amateur radio operators in Puerto Rico exceeded 50%. Average national growth in the US during the same time period was only 35%.
 - II. Communications Canada (CC, formerly DCC) pilot projects in volunteer examining, conducted in Montreal PQ and London ON, are almost complete. CC is hoping to bring volunteer Amateur Radio examining to Canada soon. The current state of CC thinking is that any person recommended by a national or provincial Amateur Radio organization (e.g. CRRL, CARF, RAOD), an educational institution (e.g. school, college, university) or a person in authority (e.g. police chief, judge) might become an accredited examiner. CC would continue to control the makeup of all examinations and issue all certificates.
 - III. On August 17, Communications Minister MacDonald tabled a new Radiocommunications Bill, the first major revision to the Radio Act since 1938. What features of the bill will affect Canadian Amateur Radio? The bill will set up a ticketing system which will decriminalize some regulatory offenses and allow Communications Canada inspectors to issue a summons by mail, ending a need for a full, formal prosecution for every offense against the Radio Act. It will allow Communications Canada to compile and make public a register of all radio licence holders. It will give the Minister power to seek a court in junction to end harmful or potentially harmful interference and increase penalties for offenses to \$5000 for individuals and \$25,000 for corporations. Most important, it gives the Minister authority to set RF immunity standards for non-radio equipment. But patience will be needed. The new Radiocommunications Bill will not likely be passed before the next Federal election, and development of RF immunity standards, according to the Radio Advisory Board of Canada (RABC) correspondence, will take at least two years.
 - IV. Plan to take part in CRRL's new VHF-UHF Fall Sprints. These 4-hour contests (the exception is the 50 MHz Sprint which is longer) held throughout October and early November. Object: Two-way communications on authorized amateur bands 50-2304 MHz. Contest periods: 50 MHz Sprint: 1000 UTC Saturday October 29 to 0300 UTC Monday October 31. Operate a maximum of 24 hours. Other VHF-UHF bands: 1800 "local time" until 0300 "local time" on the days specified. Operate a maximum of 4 hours.
- Days are as follows:
- | |
|--------------------------------|
| 144 MHz Monday, October 3 |
| 220 MHz Tuesday, October 11 |
| 432 MHz Wednesday, October 19 |
| 902 MHz Thursday, October 27 |
| 1296 MHz Thursday, November 3 |
| 2304 MHz Thursday, November 10 |
- Recommended frequencies:
- CW: 501, 1441, 2201, 4321, 9031, 12961 and 23041.
SSB: 502, 144144, 2202, 4322, 9031, 12961, and 23041

To all members and executive officers of H.A.R.C.

Thank you for your confidence and support through the sixth annual Flea market.

To say that this year was a success would be slightly misleading and exaggerating. Even though we had perfect weather, excellent assistance and a winning attitude, the number of people attending the Flea Market was down.

We had about 534 people pass through the front door, and 87 vendors. To ensure financial success in the following year, our membership will have to assist in more public awareness of our club functions.

On the bright side of things, financially our sixth Flea Market was a success. All tables on our floor plan were sold, as well as two tables set up in the entry hall.

Last year (1987) the Flea Market fund of \$500 was created to ensure funds for the event. The committee in 1987 wrote a cheque to the club for \$1,284.16.

I am pleased to announce that the Flea Market committee can maintain the \$500 fund and write the club a cheque for about \$2,000.

Many people deserve much praise for the success of our Flea Market. One I must mention is Jim Gossitidou, my brother-in-law, for donating his computer for the art work on the fliers for the past two years.

Yours truly,

Paul Hazen VE3NYC.

Chairperson: Flea Market Committee.

o-o-o-o-o-o-o-o

ELECTIONS FOR H.A.R.C. EXECUTIVE FOR 1989.

The Nominating committee for the elections for the Hamilton Amateur Radio Club Executive Committee for the 1989 session, will be formed at the October 19th meeting. The elections will be held at the November 16th meeting.

If you have any suggestions as to a suitable candidate, first make sure that your choice of candidate is willing to stand for election, then contact a member of the new Nominating Committee before November 16th. This will ensure that the appropriate procedures are complied with.

THE ART FERGUSON AWARD

The Art Ferguson Trophy is awarded annually by the Hamilton Amateur Radio Club in recognition of meritorious service to the public through amateur radio communication.

To be eligible for this award the person shall be a member, or past member of the Hamilton Amateur Radio Club. Nominations for this award shall be submitted to the club executive not later than the November regular club meeting. The club executive committee will make a decision for this award based on the information received. For more information on these club contests call Norm Smith, VE3BK.

ART FERGUSON TROPHY

Presented annually to a member of the Hamilton Amateur Radio Club for meritorious service to the public through Amateur Radio communications.

I nominate _____ (name & call sign)
as my candidate for the Art Ferguson Trophy for the following reasons:

Dated this _____ of _____ Signed _____ (my name & call)

REPEATER UPDATE HIGHLIGHTS:

Twenty-four hour access into the ITM link network is once again available through VE3NCF. New link destinations coming on-line. New Telemetry available to users. New patch features. The link is once again available. But access has been improved. If you have heard this news but have been unable to access the link, you don't know about the new access code. It has been changed only to conform to the link system protocol; namely, on codes end in 'i' and 'off' codes end in 'o'. That is the only reason the code has been changed. The new code is 761 on and 760 off. In addition, when you have connected VE3NCF to the link hub repeater (VE3RPT-0HF) the 'W' sign is no longer necessary to access additional repeaters. In the past year new repeaters have joined the link system. Although Renfrew and Ottawa have yet to join it is hoped that that path will be available soon. A new link map should be available for the next bulletin. For those that still have the last published link map you may wish to add the following:

- 1 Peterborough VE3PBO 147.625 MHz via VE3TBF 220 MHz hub 281 on / 280 off.
- 2 Ridgeway VE3NKH 147.165 MHz via VE3RPT 440 MHz hub 781 on / 780 off.

The following telemetry and patch features will be available to the user by the end of the month.

Telemetry:

- 700 Time of Day
- 701 2 meter RX S-meter
- 702 Battery voltage
- 705 Controller board supply voltage
- 706 Internal Temperature
- 7025 Number of repeater keyups
- 7026 Minutes repeater TX up
- 7027 Number of patches
- 7028 Number of mailbox accesses

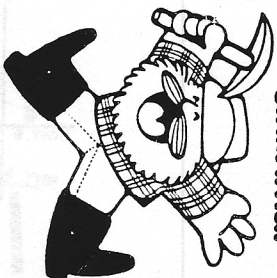
And by appending the telemetry code sequence with 'w' or 'w*' the stored low value or stored high value of the telemetry channel can be interrogated.

Patch Functions:

- Patch timer extend 78*3
- Last number radial 789*

Patch timers:

An overall timer and an activity timer limit the duration of all autopatch/autodial calls. Three separate values are programmed for the Autopatch, Emergency, and User Loadable Autodialer overall timers (5, 10, 5 minutes, respectively). If the overall timer is allowed to time out during a patch, it notifies the user when he is listening with the patch timeout warning message, "30 seconds left". The user then has 30 seconds to either complete the call or extend the timer, or the controller will automatically hang up the patch. The timer may be extended over and over, but no warning is given before it times out again. The Timer Extend command is ignored before the warning message is



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