

The Hamilton Amateur

W 99 99 21, 93

FIELD DAY VOLUNTEER LIST

Field day this year will be June 26 - 27 and the site hopefully will be the **Rock Chapple Sanctuary**. If you are interested in becoming a band captain or can help in any of the other departments please call Emsley VE3JAI at 627 - 0333 any evening after 7:00 pm. or any other club executive.

| | | |
|-----------------------------|-----------------|---------------|
| 80 meters Phone | VE3SMF | Stewart Fedak |
| 80 meters CW | VE3___ | _____ |
| 40 meters Phone | VE3OZY | Rick Danby |
| 40 meters CW | VE3EKY | Bernie Granby |
| 20 meters Phone | VE3HOD | Bill Nichols |
| 20 meters CW | VE3___ | _____ |
| 10 meters Phone | VE3___ | _____ |
| 10 meters CW | VE3___ | _____ |
| 2 Meters Phone | VE3YOC | Mary Graziano |
| 70 Cm Phone | VE3VEH | Arle Verhoog |
| Hospitality | VE3___ | _____ |
| | VE3___ | _____ |
| | VE3___ | _____ |
| Field-day site setup | | |
| VE3JAI | Emsley Mitchell | |
| VE3EKY | Bernie Granby | |
| VE3ZRO | Ken Johnson | |
| VE3___ | _____ | _____ |
| VE3___ | _____ | _____ |
| Clean up Crew | | |
| VE3JAI | Emsley Mitchell | |
| VE3ZRO | Ken Johnson | |
| VE3___ | _____ | _____ |
| VE3___ | _____ | _____ |

| | | | |
|-------------------------------------|--------|-----------------|----------|
| HARC EXECUTIVE FOR 1992 / 93 | | | |
| PRESIDENT: | VE3OQG | Everett Englert | 385-0879 |
| PAST PRESIDENT: | VE3OOG | Flora Mangra | 578-1789 |
| VICE PRESIDENT: | VE3JAI | Emsley Mitchell | 627-0333 |
| VICE PRESIDENT: | VE3ITD | Paul Webb | 574-0818 |
| SECRETARY: | VE3DWJ | Dave Bruzon | 383-9808 |
| TREASURER: | VE3OCD | Joe Urbanst | 388-8383 |
| MEMBERSHIP: | VE3VEH | Arle Verhoog | 389-9259 |

| | | | |
|--|--------|---------------------|----------|
| HARC COMMITTEE CHAIRPERSONS FOR 1992 / 93 | | | |
| AWARDS & CONTESTS: | VE3DWJ | Dave Bruzon | 383-9808 |
| HISTORIAN: | VE3BIG | George Olenick | 383-7338 |
| PROPERTY: | VE3DWJ | Dave Bruzon | 383-9808 |
| BULLETIN EDITOR: | VE3SON | Jim Walsh | 689-6839 |
| EDUCATION: | VE3EKY | Bernie Granby | 527-7175 |
| EMERGENCY COORD: | VE3OQG | Flora Mangra | 578-1789 |
| FIELD DAY COORD: | VE3JAI | Emsley Mitchell | 627-0333 |
| FIELD MARKER: | OPEN | | |
| HEALTH & WELFARE: | SWL | Ellen Reinke | 549-5119 |
| PROGRAMS: | VE3JAI | Emsley Mitchell | 627-0333 |
| PUBLIC LIASON: | open | | |
| HOSPITAL COORD: | VE3OQG | Mary Urbanst | 388-8383 |
| SWAP NET CONTROL: | VE3IWI | John Johnston | 578-4275 |
| CANWARN COORD: | VE3ITD | Paul Webb | 574-0818 |
| REPEATER: | VE3OCY | Don Graziano | 560-1960 |
| TECHNICAL: | VE3OOC | Don Graziano | 560-1960 |
| VE3DC LICENCEE: | VE3FHQ | Glen Gibson | 385-2786 |
| VE3NCF LICENCEE: | VE3MWH | Mark Gibson | 389-4308 |
| VE3RCB LICENCEE: | VE3GCP | Fred Robinson | 575-5197 |
| VE3WXH LICENCEE: | VE3ITD | Paul Webb | 574-0818 |
| DESIGNATED EXAMINERS: | VE3GCP | Fred Robinson | 575-5197 |
| | VE3EKY | Bernie Granby | 527-7175 |
| | VE3NDB | Lorraine Macpherson | 389-7653 |

2M 06 THE DOC HAS ISSUED CH6 AS THE SPECIAL-

Call sign prefix to be used by amateur radio operators in Alberta for the time period covering May 28 to 30, 93. This is to commemorate the Northern Alberta Hamfest 93, put on by the Northern Alberta Radio Club.

WE WON THE GOLD

During the week of Feb. 2 to 7, 1993 the Canadian Figure Skating Championships were held in Hamilton, at Copps Coliseum. The major sponsor for this event was the Royal Bank and local radio station CHML played a major role in the planning and management. I received a call from Mr. Townsend of CHML, asking if I could ask the local Hams to lend their assistance as Radio dispatchers. The organizers of the championships had already arranged the loan of business band radios for communications and were only in need of experienced radio operators. I advised them that I could seek the help of local Amateurs but elected not to make it an "Official" club activity since we would not be on the Ham frequencies.

Volunteer were solicited by Stan VE3GFE and about 15 enthusiastic members and local Amateurs attended an organizational meeting at Lawfield Arena on Jan. 26, 93. Our radio dispatchers would manage a fleet of 15 vans and 3 cars from 6 am to midnight for each of the 7 days of the event. A work schedule based on 3 to 4 hour shifts was drawn up and our dispatchers filled-in their names for the shifts they wished to work. A plan of operation was completed and the van drivers were given a crash course on how to use a walkie-talkie and operate through a repeater with a dispatcher in control.

During the full week of the event our dispatchers controlled the movement of the vehicles and shift changes of the drivers, who logged over 15,000 kilometers and over 1800 man-hours. The function was to transport people involved with the skating championships between Copps Coliseum and the Mountain Arena and the local hotels. During and since the event, I received many unsolicited comments from the organizers and participants how impressed they were with the transportation system. It was particularly gratifying when recognition of this was made by Elvis Stojko the runner-up in the men's overall category.

The entire event was so well run and the spectator attendance was more than double that of any previous skating championship. The paid attendance was 7 or 8,000 on most nights with a couple of complete sell-outs. A published figure put the total attendance at over 112,000 seats. Officials of the event now advised me that Hamilton has an extremely good chance at being the host to the World Championships in the future.

I would like to extend my personal thanks and congratulations to all of the Amateurs who helped win a gold

PRESIDENT'S MESSAGE

The position of Field Day Committee Chair-person has kindly been filled by VE3JAI Emsley Mitchell. Anyone willing to participate in Field Day, please contact Emsley and I am sure he will give you all the help he can.

It has been decided by the executive to go ahead with the Flea Market in spite of short time and the obstacle of not getting the same week as last year and only being able to book one week later which puts us in conflict with the Flea Market in Hamburg New York. We hope to keep costs down and clear a profit and get a better date next year. We are canvassing for committee chair-persons for the flea-market and will be dividing this position into groups in order not to put too much burden or responsibility on too few people. Any help in this section would be greatly appreciated please inform any one on the executive if you are willing to participate. Once again I wish to thank all who donated their time and efforts to make this club work.

VE3QGX Everett

EARLY BIRD NOMINATION

Time to think about upcoming General Meeting elections. Candidates must be Members in good standing, and must accept in person or in writing. Please submit your nomination, with your secondor to Chair-person of the Nomination Committee, P.O. Box 91215, Effort Square Postal Outlet, Hamilton, Ont., L8N 4G4.

MEMBERSHIP

The certificates for members who requested one are now ready for pickup. I will have them on my table at the next Membership meeting.

- | | | |
|----------------|--------------|--------------|
| VE3CNTU Rick | VE3DGG Don | VE3HNG AL |
| VE3HTS John | VE3CZJ Frank | VE3EVI John |
| VE3BLE Blake | VE3RNE Ram | VE3IBM Leela |
| VE3BNF David | VE3SDY Lou | VE3LJU Don |
| VE3CBI Michael | | |
- 389-9259.....73 de Arte (Membership).

UPCOMING CLUB EVENTS

- April 25, 93 Ride for Cancer. Contact VE3GCP, Fred for details.
- May 19, 93 Homebrew Night-Crawford Trophy Contact VE3DWJ David @ 383-9808
- May --, 93 Red Shield Campaign. See Fred for info.
- June 16, 93 Election for Club Executive.
- June 26, 93 Field Day. Contact VE3JAI Emsley Mitchell 627-0333, for more info.

ITEM 10. OTTAWA VALLEY MOBILE CLUB FLEA MARKET-
Saturday, May 15, 93 at Canadian Forces Reserve
Barracks, Dow's Lake, Ottawa, Ont. Free Admission, Vendors
8 am. Public 9:00 am. Tables: Commercial vendors \$20, \$10.
for all others, tables can be reserved by contacting Ken Barry
VE3KJB, 454 Woldale Cres., Ottawa, Ont., K1K 1N4 (613)
746-4823. Wheelchair accessible. Refreshments. Talkin on
VE3TWO 147.300 +. Be sure to visit the CARF table.

ITEM 11. 1993 HAMFEST DU QUEBEC- SOREL-TRACY,
DIMANCHE

Sunday, May 15, 93. The Quebec Hamfest will be held in
Sorel-Tracy at the Curling Club, located in Tracy. Info: Jean
Gadoury VE2UL, C.P. 533, Sorel, Quebec, J3P 5N6.

CARF NEWS SERVICE MARCH 15, 93

ITEM 01. HISTORIC EVENT FOR CANADIAN AMATEUR
RADIO-

Sunday, May 2, 93 will be a red letter day for Canadian
amateur radio operators. Meeting in Toronto, the Canadian
Radio Relay League (CRRRL) and the Canadian Amateur Radio
Federation (CARF) will legally dissolve their respective
organizations. The Radio Amateurs of Canada (RAC) will take
over and will hold its first Board of Directors meeting to begin
functioning as Canada's new unified national amateur radio
organization. A board of regional directors, representing
amateurs from coast to coast, and a national team of executive
officers will be installed. RAC's national headquarters will be
in Kingston, Ontario. An interim administrative office will be set up
in Kingston, Ontario.

RAC's Board of Directors will welcome various guests.
Canada's Minister of Communications, the Honourable Perrin
Beatty is invited to address the Board. The current directors
and officers of CRRRL and CARF will witness the historic
occasion. The 1993 Canadian Amateur Radio Hall of Fame
awards will be presented. The Secretary of the International
amateur Radio Union (IARU) World Administrative Council will
address the new Board and will discuss RAC's proposed
membership in IARU. The Board will introduce RAC's "logo"
which will symbolize a new professional look for Canada in the
world of amateur radio organizations.

A new expanded "The Canadian Amateur" magazine will
take over from "QST Canada" and "TCA" beginning with the
July - August 1993 edition. Members subscribing to ARRL's
"QST" magazine will continue to receive the magazine through
RAC.

ITEM 02. AMATEUR RADIO REGS MADE LAW

Finally, after more than two years, the government has
established in law the regulations governing the restructured
amateur radio service. Many editorial changes have been made
to the provisional regulations that comprised RIC-25 issued on

As there was no old business or new business, Fred
VE3GCP made a motion to adjourn. It was seconded by
VE3OZY, Rick. Meeting ended at 10:05. Attendance 34
INTRODUCTION TO PACKET RADIO - Part 9 - by Larry
Kenney, WB9LOZ

In this part we're going to look at the White Pages. No,
not your local telephone directory, but the packet radio
directory known as the "White Pages". You help supply the
information for "WP", and you can also use it to find the home
BBS, QTH and zip code of your friends on packet. "White
Pages" was initially designed by Eric Williams, WD6CMU of
Richmond, California. Hank Oredson, WORJ, later added a
WP database to his packet bulletin board software. It's a
database of packet users showing their name, home BBS, QTH
and zip code. It's updated and queried by packet message,
allowing stations from all over the world to take advantage of
it. As users enter their name, home BBS, QTH and zip code
into the BBS user file, the software automatically assembles a
message once a day containing all of the latest user
information and sends it to AD8I in Ohio, now the national
White Pages Server. Systems in Northern California also
exchange this information. As a result, you can easily find the
name, home BBS, QTH and zip code of other packet stations
on packet all across the country using the White Pages
database.

If your BBS is operating with its own WP database, you
may make inquiries of it using the "I" command. Simply enter I
followed by the callsign you'd like information about. If you
wanted information on WB9LOZ, for example, you would
enter: I WB9LOZ

Information from the WD6CMU or AD8I White Pages is
obtained by sending a message to "WP @ WD6CMU CA" or "WP
@ AD8I.OH". Since the messages are read and answered by
the WP software, not a person, you must use the correct
format: <callsign> QTH? You may include as many requests
as you wish in one message, but each request must be on a
separate line. The last line of the message should be: DE
<your_callsign> @ <home_BBS> so that the response is
returned to you at your home BBS. If the return address line
is not given, the WP program will attempt to determine the
originating station and BBS from the message headers. If the
requested information is not available from the WP database,
the return message will tell you so.

Here's an example of a message sent to the WD6CMU or
AD8I White Pages database: (Your BBS prompt) W6BBS> SP
WP @ WD6CMU.CA (SP WP @ AD8I.OH would be Enter
subject of message: Query used for the AD8I database.) Enter
text: K9AT QTH? WA6DDM QTH? KC3XC QTH? K3ARK QTH?
DE N6XTZ @ W6BBS (Cont'n) Z)

Capital and lower case letters may both be used within
the message. Just like all other packet messages, messages
addressed to WP are forwarded from BBS to BBS toward their

ITEM 01 RABC WON'T HELP BYLAW ISSUES.

The Radio Advisory Board of Canada has declined to assist CRRL and CARF in getting DOC to deal with municipalities on restrictive antenna tower bylaws. The President of the RABC Executive Committee wrote CARF and CRRL stating "While the issue of antenna placement is a problem for all radio users, and the RABC can deal with the broad policy matters affecting these, it becomes difficult for the Board to address specific concerns of individual user groups."

In a response to the RABC Executive Committee, CARF President Farrell Hopwood stated, "... bylaws which outright prohibit or unduly restrict the use of effective antenna impact broadly" on all radio communications users not just amateur radio operators.

The issue in question has little to do with DOC "site" licensing policies for various clients, but rather the right of all lawful station licensees to be able to use radio communications "effectively" and the expectations of the broader community with respect to environmental matters. This then, is an issue of the interpretation of the federal, provincial and municipal law and the rights and obligations of all concerned with respect to the use of antennas. It is not a "single user" issue! It impacts on the rights and obligations of all users.

The apparent unwillingness of government, and unhappily now RABC, to help us in the resolution of this pivotal question is disturbing. It tends to undermine our faith in our government and in our institutions. Many of Canada's 35,000 amateur radio operators will be disappointed by this turn of events.

ITEM 02. MEETING HELD - VANCOUVER, B.C.

Members from CRRL, Dave Fancy VE7EWI and Wally Garret VE7CJT along with CARF members, Farrell Hopwood VE7RD and Bill Parkes VE7PAR met with Vancouver DOC officials Wally Kazar Executive Director, Bob Fedoruk, Wayne Choi and visiting from Ottawa, Morris Nunnas on February 8, 93.

The purpose of the meeting, requested by CRRL, was to bring to the attention of the DOC the problems the amateur community is having with municipal restrictions on antennas. Amateurs are complaining about the vague wording in the document CPC-2-0-93, Environment Assessment Process associated with Spectrum Management Activities. It is also clear that the municipalities are not aware of the DOC'S mandate with respect to bylaws and need to be better informed about the "Townsend" report which spells out what a municipality may or may not regulate.

The DOC felt they had done their job of informing the municipalities of the above.

- 1 VE3KSK, ALEX, (416)634-9883
TRANSMITTER CAP 200-300 PUFF 4500 VOLT RANGE
WANTED
- 2 VE3JUR, DAVE, (416)318-5380
2SK19 OR RS 2035 OSCILLATOR TRANSISTORS
WANTED
- 2 VE3SXX, ANDY, (519)894-2464
MC80 . MC85 WANTED
- 3 VE3XRO, KEN, (416)544-7770
SCHEMATICS OR DRAWINGS FOR YAGIS, OMNI DIR.
ANTENNAS WANTED

CENTISIBLE SOLUTIONS TO YOUR HYDRO BILL.
The following questions were taken from the March meeting about saving energy in the 90's. For those who missed the meeting.

GENERAL LIGHTING

- QUESTIONS**
- 1 Par 38 60 watt spot light replaces a 150 spot. A saving of up to 40% can be seen on your hydro bill.
TRUE or FALSE
 - 2 If you are in the habit of leaving a light on outside every night a motion sensor will not save you any money
TRUE or FALSE
 - 3 Replacing a 7 watt string of Christmas lights with a 5 watt string will save 30% on electricity.
TRUE or FALSE
 - 4 2 - 60 watt incandescent lamps put out more light than one 100 watt incandescent lamp.
TRUE or FALSE
 - 5 Dimmer switches save money when the light level is turned down.
TRUE or FALSE

FLUORESCENCE

- 1 Tests have shown that while frequent on/off switching may slightly decrease the life of fluorescent lights, the energy dollars saved will more than pay for the price of a new tube. TRUE or FALSE
- 2 Fluorescent tubes use 60-80% less energy than incandescent lights and last 10-20 times longer.
TRUE or FALSE
- 3 Replacing an old "core and coil" electromagnetic ballast with an electronic ballast can yield a saving up to 50%. TRUE or FALSE

- 1 VE3CCF CHRIS (416)947-0090 KWD, TH26AT 2M HH TONE PAD CTCSS BOARD, COVER, PLUG IN CHARGER, 12V CIG ADAPT, 6 MONTHS OLD \$300.00 PRESIDENT HR2600, MINT SHAPE BRACKET 24.8MHZ TO 29.999 ALSO 1 IMTR \$300.00
- 4 VE3ATW ROGER (416)388-9142 KANTRONICS UTV TERMINAL UNIT, CW-RTTY-ASCII-AMTOR MODES \$90.00
- 1 VE3OCC ROBERT (416)549-6125 HEATHKIT SB634 STATION CONTROLLER, SWR,PWR,CLOCK ID TIMER, PHONE PATCH \$200.00
- 1 VE3JWJ JOHN, (416)578-4275 JOHNSON DESK MIKE \$80.00 YAESU FT-757-GX HF RIG, MIKE MANUALS GREAT SHAPE YAESU FT757HD POWER SUPPLY BOTH \$1200 will not separate YAESU FT-107M HF RIG, MIKE, MANUAL AND SERVICE MANUAL, LIKE NEW \$650.00
- 1 VE3WTE WHITEY (416)547-0515 HEATHKIT SWR-WATT METER HM-102, \$25.00 AP2800 SCAN 5 1/5 GIG DESK OR MOBILE WITH MANUALS LIKE NEW \$550.00 ICOM IC24AT DUALBAND HF, CHARGER, MANUAL, BATTERI \$450.00
- 2 VE3NCK BILL, (416)545-6940 YAESU 101E SPEAKER AND CABINET \$25.00 2 MFJ 941-C 941-B ANTENNA TUNNERS \$75.00 EACH PRE-SET HOMEBREW ANTENNA TUNER \$60.00 UNIDEN SCANNER PORTABLE \$100.00 YAESU FT-101ZD HF RIG, WARP BANDS, DIGITAL READOUT, DESKMIKE MATCHING SPEAKER AND PHONE PATCH, MANUAL, \$700.00 PYRAMID 20 AMP PWR SUPPLY EXCELLENT \$150.00

ITEMS WANTED LIST
ALL PRICES ARE NEGOTIABLE UNLESS OTHERWISE STATED

- 1 VE3OCC ROBERT (416)549-6125 GENERAL COVERAGE RECEIVER WANTED
- 1 VE3WTE WHITEY (416) 547-0515 PRINTER FOR IBM CLONE WANTED
- 1 VE3NYZ FRANK (416)389-0114 DRAKE PS-7 OR PS-75 POWER SUPPLY WANTED

ITEM 03. QUEUE UP FOR Q CALLS -
From Communications Canada, Manitoba District Office 200 286 Broadway, Winnipeg, MB, R3C 3V9, Telephone (204) 983-3591.

In the past, three letter call signs from QAA to QZZ were not to be allocated to individual Amateurs. It has now been decided that the following call signs can be released, from QAA to QNZ, and QVA to QZZ. The remaining three letter call signs QOA to QUZ were reserved for the Maritime Mobile Service and the International code of signals.

ITEM 04. RAC TO HOLD EXECUTIVE-ELECT MEETING.
The new Radio Amateur of Canada (RAC) executive-elect will hold its 2nd national planning meeting in Cobourg, Ontario on Sunday, February 28, 1993. The meeting will concentrate on expediting and completing the remaining legal and accounting tasks to dissolve CRRL/CARF and start-up RAC. The executive-elect will also review plans to transfer administrative and member services from CRRL/CARF over to RAC. Plans are underway to hold the first RAC Board of Directors meeting in Toronto on May 2, 1993.

ITEM 05. 100th ANNIVERSARY.
The call sign prefix XJ4 has been authorized for use by all Canadian amateurs within the city of Winnipeg, Manitoba boundaries, from March 26 to April 9, 1993 inclusive to commemorate the 100th ANNIVERSARY of the Winnipeg Parks Board. Communications Canada, Manitoba District Office.

ITEM 06. U.S. COAST GUARD CEASING ALL CW-HAM OPERATORS.
United States Notices to Mariners, dated 5 January, 1993, announce as follows: "Effective 1 August, 1993, all United States Coast Guard communications stations and cutters will discontinue watch-keeping on the distress frequency 500k hz, and will cease all Morse code services in the medium frequency radio telegraphy band. Information from Bruce Morris GW4XXF (from Morsum Magnificat).

ITEM 07 WHY DOES JAPAN HAVE MORE THAN A MILLION HAM OPERATORS.
When their population is 1/4 of the united States? First: their fourth class code "Telephone" license allows 10 watts on all bands (including 80, 40, 15 and 10 meter HF) and secondly, the operator license is issued for lifetime. The 144, 430 and 1200 Mhz bands are the most popular. Not many holders of the Telephone Class upgrade primarily because there is little space for a low band HF antenna in Japan. Secondly in violation of ITU amateur service guidelines, Japan allows amateur operation below 30 Mhz without manual telegraphy knowledge on the basis that it doesn't cause interference to other radio services. The JARR (Japan Amateur Radio League) administers the fourth class license exam at the conclusion of a course of study.

ITEM 10 - THE LAVAL/LAURENTIDE HAMFEST

Will be held March 27th, 93 Ste-Therese, Quebec. About 10 minutes north of Montreal on Highway 15, go east on Highway 640 and exit at Boulevard Rene a. Robert, turn left on Rene a. Robert (north) go 2 km. (147.315 +600 if lost) General admission \$3.00, Tailgates \$5.00, Flea market \$7.00 (Tailgaters and Flea market also pay general admission) Atlantic Ham Radio, Seaway Communications, Elkel and Radio Progressive all plan to be there also there will be draws for 2 hand helds and other items. Info: Richard Desaulniers VE2STN @ VE2CRL, 514-689-4591 or Roger Legault VE2BWG @ VE2CRL 514-430-2424.

C A R F NEWS SERVICE 1 MARCH 93

ITEM 01. SIGNALLERS CLUB OF CANADA AMATEUR RADIO CONTEST-

The Signalers Club of Canada (SCC) is made up primarily of former members of The Royal Canadian Corps of Signalers (RCCS), but is open to all military communicators, serving and retired. The RCCS has a membership of approximately 500 and continues to grow. In 1993 RCCS celebrates its 90th Anniversary. The celebration will be held in conjunction with Reunion 93 being held at Canadian Forces Base Kingston, Kingston Ontario September 3-6. Reunion 93 will also mark the 60th Anniversary of the formation of the RCAF Telecommunications Branch and the 55th Anniversary of The Canadian Forces Supplementary Radio System. These three organizations were joined together at integration, in 1968 to form the Communications and Electronics Branch of The Canadian Forces - celebrating its 25th Anniversary. For more information on the Signalers Club of Canada write: The Signalers Club of Canada, P.O. Box 1983, Kingston, Ontario, K7L 5J8.

ITEM 02 SPECIAL PREFIXES FOR THE NATIONAL LIBRARY'S 40th ANNIVERSARY

DOC has authorized all Canadian Amateurs to use special prefixes to mark the 40th anniversary of the creation of the National Library of Canada.

The following prefixes are authorized for all Canadian Amateurs for a two-month period from 0000 UTC 16 April, 1993 through 2359z 16 June, 1993:

| | |
|------------------|------------------|
| VO1s may use VO3 | VE5s may use VB5 |
| VO2s may use VO4 | VE6s may use VB6 |
| VE1s may use VB1 | VE7s may use VB7 |
| VE2s may use VB2 | VE8s may use VB8 |
| VE3s may use VB3 | VY1s may use VY7 |
| VE4s may use VB4 | VY2s may use VY8 |

from VE2ZP Dave Godwin

- 1 VE3ZRO KEN (416)544-7770
2 SONY REEL TO REEL RECORDERS, WITH TAPES \$25.00 each ZENITH MONOCHROME MONITOR \$25.00, TANDON INTERNAL DRIVE \$10.00
- 1 VE3VJ MARK (416)574-4370
DIAMOND-D130 DISCONE ANT TRI-BAND 50FT COAX \$75.00
- 1 VE3JIS JACK (416)648-6443
CDE AR30 ROTOR AND CONTROLLER \$60.00 PS DX-160 SW RECEIVER WITH BFO...\$125.00 YAESU 203R HI, YAESU NC18B CHARGER, SM400 SPKR MIKE, YAESU YH2 BOOM MIC HEADSET, XTRA NICAD BATTERY \$195.00 7 AMP PYRAMID PWR SUPPLY \$40.00 CHANNEL MASTER ROTOR AND CONTROLLER \$60.00 ALLIANCE U100 ROTOR AND CONTROLLER \$55.00 ALICON DJ-500T DUALBAND, XTRA BATTERY, CHARGER, MANUAL \$325.00
- 2 VE3CNU RICK (416)525-2039
CRYSTALS FOR 146.760 -+ FOR MOCOM 35 MOBILE \$25.00
- 2 VE3KVR TONY (416)271-7780
WILSON 4 ELEMENT 20M, LONG JOHN WITH 38FT BOOM, HAM4 ROTOR NO CONTROL BOX MOUNTED ON SELF SUPPORTING 65 FT DELHI TOWER, 100FT 213 COAX, 100 FT ROTOR CABLE, 4 YEARS OLD EXCELLENT SHAPE, \$550.00 OR TRADE.
- 2 VE3ANV ROBERT (416)574-3554
10FOOT SECTIONS OF TV TOWER BASE AND STRAIGHT, GOOD FOR SMALLER ANT \$10.00 EA.
- 2 VE3KTR KEN, (416)527-6196
ICOM 735 \$900.00 PAR \$ L BAND MOBILE, A5 VERTICAL ANTENNA \$100.00 MFJ-TUNER \$100.00 PROM 10-80 METER MOBILE ANTENNA KIT \$100.00
- 2 VE3SXX CRAIG, (416)947-8886
MICRO 2AT ICOM \$175.00 NEEDS WORK.
- 3 VE3NYX RENZO (416)521-1064
HELL SOUND HM-5 DESK MIKE \$45.00
- 3 VE3JSJ GORDON (416)575-3647
ICOM 735 TRANSCVR, AUTO TUNER AH2, CONTROL BOX \$1175.00

4. Electronic ballast produce one-fourth the noise of core and coil ballast. TRUE or FALSE
5. Demand Management goal is to develop and promote economic demand management programs aimed at more efficient use of electricity that meet with general customer acceptance. TRUE or FALSE

APPLIANCES

1. Better to dry clothes in two small loads than one large one. TRUE or FALSE
2. Preheating oven when baking takes 20 minutes to reach 180 degrees C (350 degrees F). TRUE or FALSE
3. Microwave ovens uses the same amount of electricity as the conventional oven. TRUE or FALSE
4. Microwave is only half as efficient as stove tops elements, so it is better to boil large quantities of water on stove. TRUE or FALSE
5. Electric kettle is by far the most efficient way to boil water for a cup of tea. TRUE or FALSE

WINDOWS/AIR LEAKAGE

1. Air leaks in a home are responsible for up to 10% of the heat loss. TRUE or FALSE
2. Foam gasket behind cover plates and electrical outlets does not reduce air leakage especially on outside wall. TRUE or FALSE
3. Heat loss through a window can amount to 15 - 20% of the heat loss per home. TRUE or FALSE
4. Ontario Hydro offers \$10 per square foot for "Low E" that quality under the Residential Window Program. TRUE or FALSE
5. Under the Ontario Hydro Incentive Program an operable window with minimum qualification will save \$7.80 per year (11 square foot window) over a standard double glaze window. TRUE or FALSE

WINTER HEATING

1. Furnace filters should be cleaned once a month during heating or cooling season. TRUE or FALSE
2. Programmable thermostat can reduce your annual heating bill up to 1% per degree lowered. TRUE or FALSE
3. Heat loss through a basement wall can amount to 20 - 30% of the heat loss per home. TRUE or FALSE
4. Going from electric heat to gas heat a savings of 80% is possible on your heating bill. TRUE or FALSE
5. Going from electric hot water tank to gas a savings of up to 20% is possible on your electricity bill. TRUE or FALSE

1. A leaky tap at a drop a second wastes 800 liters (7.75 gallons) down the drain a month. TRUE or FALSE
2. Faucet aerator reduce hot water consumption by 20% per tap. TRUE or FALSE
3. Energy efficient shower head can cut the amount of hot water used by 30%. TRUE or FALSE
4. Greatest loss from the pipes on the hot water tanks is the first 2 meters (6 feet) on the hot side and first meter (3 feet) on cold supply side. TRUE or FALSE
5. Toilet dam results in a 20% reduction in water. TRUE or FALSE

WATER SAVINGS

1. CANADIAN RADIO RELAY LEAGUE BAND PLAN: 220 - 225 MHz (Revised March 1992)

| | |
|-------------------|--|
| 220.000 - 221.000 | HIGH-RATE DATA (> 4800 Baud, 100-Kz maximum bandwidth) |
| 220.550 - 220.950 | DUPLEXED TO 430.05 - 430.45 Mhz (1) PACKET (< 2400 Baud, 20 KHz Channel) |
| 221.010 - 221.090 | DIGITAL |
| 221.100 - 221.950 | CW, SSB |
| 222.000 - 222.300 | EME EXCLUSIVE |
| 222.000 - 222.050 | CW |
| 222.050 - 222.100 | NATIONAL CW CALLING FREQUENCY |
| 222.100 | NATIONAL SSB CALLING FREQUENCY |
| 222.200 | PROPAGATION BEACONS |
| 222.275 - 222.300 | REPEATER INPUTS (2) |
| 222.310 - 223.370 | HIGH RATE DATA (local option crossband-duplexed to 430 or 1300 Mhz) |
| 223.390 - 223.490 | FM VOICE SIMPLEX |
| 223.490 - 223.590 | DATA |
| 223.590 - 223.890 | HIGH-RATE DATA (local option one 100-KHz channel or three 30-KHz channels at 223.605, 223.635 and 223.665 Mhz) |
| 223.890 | NARROW-BAND PACKET (four channels, 25-KHz maximum bandwidth at 223.7, 223.73, 223.76 and 223.79 Mhz) |
| 223.910 - 225.000 | HIGH-RATE DATA (local option as for 223.39 - 223.49) |
| 223.790 - 223.890 | REPEATER OUTPUTS (2) |
| 223.910 - 225.000 | 223.73, 223.76 and 223.79 Mhz) HIGH-RATE DATA (local option as for 223.39 - 223.49) REPEATER OUTPUTS (2) |

Footnotes:
 (1) Links must be designed to limit emissions into the US.
 (2) See table of repeater pairs.

destination. If a BBS operating with the WORLD WP Server handles a query message, it will respond with any pertinent information that it has available. As a result, you might receive more than one response to your WP query.

The WP program also collects data from any WP responses it sees, as well as from the headers of every message that passes through. The information on each call in a WP updated. This is determined by each local sysop.

It is important to note here that you should choose ONE BBS as your home BBS, the one where you want all of your messages delivered. Always enter that callign when you are asked to enter your home BBS, even if you are using another system at the time. When a message arrives at the BBS destination given in the "BBS" column, some of the latest software will check the White Pages information to make sure that the message has been delivered to the right place. If it finds that a different BBS is listed as the addressee's home BBS, it will insert that BBS callign in the message and send it on its way. If you enter different home BBS calls on several BBSs, your mail could easily end up being sent from BBS to BBS and never reach you.

If you move or change your home BBS, you should then make sure that you update the information for your call in the White Pages database. Use the NH, NQ and NZ commands to update the information. Making sure that the information in the White Pages is correct will help to get your messages delivered to the correct BBS.

HAMILTON AMATEUR RADIO CLUB SWAPSHOP LISTINGS AS OF MAR 23/93 ITEMS FOR SALE LIST

FOR INFO CALL VE3JWJ JOHN (416)578-4275 TUESDAY NIGHT 8:00 P.M. VE3NCF 146,760 MHZ ALL PRICES ARE NEGOTIABLE UNLESS OTHERWISE STATED

- 1 VE3YLD ADRIAN (416)648-0573
ICOM 32AT 4 BATTERIES, HEADSET, SPKR, MIC, MANUAL, CASE \$400.00
- 1 VE3KSK ALEX (416)634-9883
IBM PC 256K MONO MONITOR, 2 5 1/4 FLOPPIES, \$75.00
- 1 VE3BLQ OZ (416)221-1808
SPK MIC \$25.00, AC POWER SUPPLY \$20.00 FOR YAE SU 708R OR 208R..

ITEM 03. SNOW BIRD NET-

What's happening down south (where it's warm)? Call into the Snow Bird Net at 9:30 am, on 21.212 and find out. Calls you may hear are VE3BQ, VE3MFI, VE3FII, VE3WK and VE3ISL are just a few. Hot Bananas, Jan., 1993

ITEM 04. TO COMMEMORATE THE 25th ANNIVERSARY OF THE SEAWAY VALLEY AMATEUR RADIO CLUB

The Department of Communications will be authorizing amateur radio stations in the Municipality of Cornwall, in the Province of Ontario, to use the prefix CY3 replacing VE3 on a voluntary basis from March 11, 93 until March 14, 93.

ITEM 05. 100th ANNIVERSARY -

The callign prefix XJ4 has been authorized for use by all Canadian Amateurs within the city of Winnipeg, Manitoba boundaries, from March 26 to April 9, 93 inclusive to commemorate the 100th anniversary of the Winnipeg Parks Board. Communications Canada, Manitoba District Office

ITEM 07. TWELFTH ANNUAL DURHAM REGION AMATEUR RADIO AND COMPUTER FLEA MARKET -

Will be held on Saturday, April 3, 93 from 9 am to 2 pm at the Pickering High School on Church St., Pickering Village, Town of Ajax, Ontario. General Admission \$5.00. Vendor Tables \$12.00 plus general admission for vendor and staff. Advance registration for vendors only should be made to: South Pickering Amateur Radio Club Inc., P.O. Box 53 should be made payable to the South Pickering Amateur Radio Club Inc. Info: Ron Brown VE3WZ, 416-839-3711; Kim Becker VE3SVZ, 416-571-6883; Gary Brisbane VE3REP, 416-683-4335; Bob Partridge VE3RD, 416-839-7850. (Be sure to visit the CARF Table)

ITEM 08. CALGARY AMATEUR RADIO ASSOCIATION ANNUAL AUCTION 1993.

Will be held on April 17th at the Golden Age Club, 610 8th Avenue S.E., doors open at 9 am. Auction starts at 10 am. Entrance \$1.00. FANTASTIC DOOR PRIZES. Master of Ceremonies will be Gerry Shand VE6BL. Vendors should bring items for sale carry. Each item should be tagged. Tags will be supplied. A 10% commission goes to CARA. There are no reserve bids. Info: Ken Oelke VE6AF0 280-5340.

ITEM 09. SURREY AMATEUR RADIO CLUB FLEA MARKET-

Sunday, April 25, 93, Hiorth Road Community Hall, 104th Ave., and 148th St., Surrey B.C. Sellers 8:00 am, Buyers 9 am to 1 pm. Table rental \$6.00 includes one admission, helpers must pay for entrance. VE7 Incoming GST Bureau Door Prizes, raffles, snack bar etc. For tables and info, call Dennis VE7DK (604) 594-6675.

Hamilton Amateur Radio Club General Meeting
March 17, 93

The regular meeting of the Hamilton Amateur Radio Club was held in the Nash Auditorium at Chedoke Hospital. The meeting started at 8:03 pm. with VE3OQX, Ev presiding. Our President welcomed guests and members to our meeting. VE3JAI, Emsley introduced our speaker for tonight. Ken works for Ontario Hydro and the club will learn about energy savings for the 90's.

Many graphs were introduced that shows where Ontario Hydro energy is spent. Commercial companies use 34%, and Industrial use is 37% and residence takes up to 29%. Power generated by Ontario Hydro is consumed immediately and cannot be stored.

Due to the recession and the decline of commercial and Industrial use, Ontario Hydro has changed it's projected growth of generated electricity. Many other factors are present to stop adding more nuclear stations to the power grid. At present 48% is unclear, 24% fossil fuel, 26% hydro and 1.5% is purchased.

Elsewhere in this issue of the bulletin are 30 questions for you to answer true or false. These answers were given by our speaker if you were listening during the meeting. Next month the answers will come forth. For those who missed the topic of discussion.

The meeting adjourned for refreshments at 9:20 pm. The business part of the meeting started at 9:40 pm. With committee reports

Awards and Contests chairperson VE3DWJ, David announced we have a winner for the "C W Operating Award". The winner has been licensed since May 92. Total points accumulated of 750 points. The 1992 CW Operating Award goes to VE3DSN, Sheran Devotta.

Public Liaison, Fred VE3GCP on the subject of Around the Bay Race. All roads will have a introduction to First Aid as it applies to runners. Tuesday March 23, at 7:00 pm at the Red Cross Building 400 King St. The Ride for Cancer on April 25, still looking for more volunteers.

The secretary read the minutes of the February meeting. A motion to accept the report was made by VE3JAI, Emsley, and seconded by VE3GCP, Fred. Carried.

The treasurer's report was read by Vice-President VE3JAI Emsley. The Financial Report:

| | |
|----------------------------|-------------|
| Operating balance | \$5,487.19, |
| Debit | \$1,577.28 |
| Credit | 25.00 |
| New balance | \$3,934.93 |
| Petty Cash opening balance | \$147.64, |
| Credits | \$20.00 |
| Debits | \$28.04 |
| new balance of | \$139.60. |

A motion to accept the treasurer's report was made by VE3VEH, Art and seconded by VE3OQX, Ev. Carried.

September 1, 90, and have guided amateurs since that date. Only two substantive changes have been made. Provisional Regulation 46 on page 7 of R/C-25 has been amended. Regulation 59 (2) on page 10 of R/C-25 has been revised. DOC expect to have the new R/C-25 available for distribution in early April. Bill Wilson VE3NR

ITEM 03 DOC MEETS UNHAPPY AMATEURS IN VANCOUVER- About 300 Vancouver Amateurs challenged DOC Ottawa Headquarters representatives over DOC policy toward antenna structures and municipal by-laws at a North Vancouver meeting in early February. The hall was jam packed with Hams, many of whom angrily charged the DOC with refusing to take on municipalities who violate federal law and prohibit or restrict antenna towers. The representatives failed to satisfy the demands of the local Hams that DOC must uphold federal jurisdiction over antenna structures.

DOC's refusal to commit the department to take on the municipalities caused cries from the Hams who wanted the current policy circular on consulting with municipalities scrapped or at least rewritten to emphasize the Federal primacy in radio matters. One Ham demanded that DOC meet its legal obligations by upholding the mandate Parliament had given it to control radio matters.

Many were also incensed by DOC's apparent unwillingness to champion EMC standards for home electronic equipment which is susceptible to nearby R.F. transmissions. DOC is not ready to impose standards, preferring industry and manufacturers to operate under voluntary agreements. This produced a lot of heckling and pointed jibes at DOC policy as next to useless.

All in all it was an interesting meeting. Amateurs were able to vent their frustrations and express their dissatisfaction. However, at least on the surface, DOC appeared to go away unrepentant and uncommitted and seemed unwilling to change their way or policies, but its not likely that DOC left the noisy meeting indifferent. J.F. Hopwood VE7RD. President CARF

ITEM 04 CARF MEMBERS MOVING-

Allow a minimum of 8 weeks for a change of address to be processed.... Plan ahead to avoid delays in receiving your magazine. Thank you.

ITEM 05 AUSTRALIA HAS COMPLETED ITS FIRST YEAR OF USING VOLUNTEER EXAMINERS (VES) TO ADMINISTER AMATEUR EXAMS-

More than 400 VEs have been accredited and more than 3000 exams have been given to 2000 candidates. Of the Australian VEs, 68% are members of the Wireless Institute of Australia, the national organization. The average pass rate was 51.4%

THE HAMILTON AMATEUR RADIO CLUB
P.O. BOX 91215, Effort Square Postal Outlet, Hamilton, Ontario L8N 4G4

CLUB MEETINGS:
 Meetings are held on the third Wednesday of each month except July and August at the Nash Auditorium, Chedoke Hospital. Start time is 8:00pm. Non-members and friends are welcome, coffee and donuts are on the house!

EXECUTIVE MEETINGS:
 The Board of Directors meets at 7:30pm on the fourth Wednesday of each month in the Radio Room, Red Cross Building, 400 King St East, Hamilton. Members are encouraged to attend.

CLUB STATION:
 The HARC maintains an emergency radio station in the Red Cross Building, 400 King St East, Hamilton.

MEMBERSHIP:
 Membership in the Club costs \$25.00 per club year, 1 September to 31 August. Additional family members (no bulletin) are \$1.00 per year.

EDUCATION and LICENSE TESTING
 Amateur radio license courses are regularly scheduled. License testing through the Club is performed on the second Tuesday of each month (by Appointment). Contact the appropriate person responsible listed on the front cover, just tested and better to be present at time of testing.

REPEATER:
 VE3NCF 146.760 MHz (input-600), located on the Hamilton encampment, is available for use by all amateurs. Special features (mailbox, link info) are privileges of membership. Part of the VE3RPT link system. Contact the executive for codes.

FIELD DAY:
 The HARC operates a multi-station site during Field-Day. Contact the Field-Day Coordinator on the front page for more information.

SWAP NET:
 A swap net is held on VE3NCF every Tuesday night at 8:00pm except during the summer. The buy and sell listings are also available on the club pocket BBS VE3DC operated by VE3JSJ on 145.590 or via modem 575-4745.

FLEAMARKET:
 A fleamarket is held during September each year at the Ancaster Fairground. The 1993 fleamarket has yet to be set. The time will be 9:00am.

BULLETIN:
 The Hamilton Amateur, the official news bulletin of the Club is published ten times a year and sent to all members (hamites share a bulletin).

CRESTS:
 Anyone wanting a Club Crest or a Club Certificate contact VE3VEH Arie Verhoog.

medal in public relations, and to pass on the thanks of the Hamilton Skating Club and the Canadian Figure Skating Association. The Amateurs who participated are listed below, if a name has been accidentally omitted please let me know.

Sincerely
 Fred Robinson, VE3GCP
 Public Relations

In no particular order:

- | | |
|--------------------------|----------------------|
| VE3GVG Cameron Hall | VE3DHY David Hood |
| VE3HTD Henry Wile | VE3BOB Bob Ashton |
| VE3EGL Ken Leighton | VE3DJV David Bruton |
| VE3TNW Tony Wallace | VE3VEH Arie Verhoog |
| VE3JSO Jerry Osborn | VE3ALQ Doug Scherer |
| VE3DOU Peter Goodson | VE3HFX Harry Jowett |
| VE3BPK Ross Kilbourne | VE3FEZ Peter Walton |
| VE3ZP Ed Charlesworth | VE3JCJ Jerry Johnson |
| VE3YAG Richard Appleyard | |

AROUND THE BAY

Sunday, March 28, was the date of the 1993 "Around the Bay Road Race" and again this year some members and friends of the Hamilton Amateur Radio Club did a excellent job of communications.

This was the 99th year for this event and our responsibility was to co-ordinate the effort of about 150 workers and 1500 competitors. This year there were 20 people involved in communications which is a few more than usual, but this reflects the enthusiasm of the Amateurs. Responsibilities came in many forms, including safety first - aid, traffic control, supplies for water stations, race timers and traffic control. The race offers an excellent format for learning to work as a team in a emergency situation, while at the same time being of service to the community.

Next year will be a major community event because it is the 100th running and the City of Hamilton has promised a greater support and involvement. Because of the historic significance of 100, the numbers of runners and spectators is expected to increase sharply. Many competitors at this years event have already registered for 1994. To those who assisted this year I would like to extend my personal thanks for a job well-done.

- | | |
|---------------------------|--------------------------|
| Jack VE3JTR Cont'l of | Rolle VE3MWG 5K Station |
| Jerry VE3JSO Control | More VE3OOG 10K Station |
| Jim VE3XCR Start/Finish | Bill VE3KYC 15K Station |
| Steen VE3GFR St. John Van | Peter VE3DOU Lift Bridge |
| Cam VE3GVG St. John Van | Nel VE3VNG 20K Station |
| Ken VE3KDH St. John Van | Arie VE3VEH 25K Station |
| Richard VE3RQL Pickup Van | Erin VE3YUM Medical |
| David VE3DWJ Pickup Van | Bill VE3YEO Rover |
| Frank VE3CNZ Pickup Van | Bob VE3BOB Rover |
| Bill VE3WVC 5K Station | Gary VE3TIO Supply Truck |