

# THE HAMILTON AMATEUR

HAMILTON AMATEUR RADIO CLUB INC.  
P.O. BOX 253  
HAMILTON, ONTARIO  
L8N 3C8



GERRY GOLDBERG  
17 COTTRILL  
HAMILTON, ONT.

VE3HLI  
L8S 3L5

THE NOVEMBER 19 MEETING

VE3MBR, Hamiltons "other" repeater will be Norm's topic for the evening. His slide presentation of the fabrication and installation of this repeater will be interesting. Come on out to the Nash auditorium at the Chedoke Hospital at 8 PM.

ELECTIONS will be held at this meeting. Come and exercise your vote. Better still, stand for some office in the club. Now's your chance to participate and learn how the club operates.

THE PRESIDENT'S MESSAGE

November already. Christmas is getting close. I hope you got this year's antenna work planned. The season is almost here. The executive have managed to organize the work on the club antenna so that it will be in season. We started the work at the end of last season but ran out of time, so the project has been set aside for completion during this antenna season.

This is an important time for our club. We have many of the projects ready for your response. The repeater committee is anxious to address you on where its progress is and seeking your direction. Mike VE3LWS is doing a great job. The Police Link is Bob VE3BJN's project and he has news for you. He is looking forward to increased participation by you the members in this important link up. I can assure you that these new conditions that Bob is bringing in, are because of the success we have had with this link. This was a difficult and delicate project. Previous tries outside our club had failed and were removed. Bob, thanks from the club, for your careful and successful guidance.

This is Election Month. We will be asking for Norm's VE3CZI patience. He was all set for a earlier talk about our repeater service and project at VE3MBR. We will have him this month and he has to share the evening with our election. The Election is where you have the opportunity to stand for election, and join the executive, and set the direction for our club. This year we will attempt to follow the proposed constitution. Since we misplaced the original one, it has taken some careful digging to uncover the rules by which our club was set up. From this we have determined that at the election you will elect 7 (seven) directors. From these directors, will be formed a 5 member Executive. The Executive consists of Past President, President, Vice President, Secretary and Treasurer. The executive in turn will set up committees as necessary to do those things which the members direct should be done.

The Constitution is planned to be published in this bulletin for 2 successive months. At this meeting we plan to read the details, and request your response. In the following month we will ask for your vote at the regular membership meeting. We will also supply a ballot in the bulletin, so that if you cannot attend the meeting, you may submit this ballot. Please understand that this progress can be made only if you the member do not have significant changes that you require. Remember, this is a proposed constitution. It has had legal review to make it a potential constitution but it can be altered as you require. It is hoped that the constitution will be in place by the end of this year.

Come on out this month and put your comments forward on the repeater reports, hear Norm's presentation, review the constitution and vote for your preferred director. Better still, seek nomination and help lead our club.

See you at the meeting 73  
Glenn VE3DSP

(Don't forget the Dec. 10/80 meeting.)

#### SECRETARY'S REPORT

The repeater chairman, Mike VE3LWS reported on the latest plans for our Hamilton repeater system. This committee has done a lot of work and has some exciting plans which they will bring before the club soon.

Glen VE3DSP is the nominations chairman this year and he has things planned for our November meeting.

The possible need to change our meeting place for the general club meetings was proposed to the executive by Norm VE3CZI, in writing. The exec is asking for alternative locations and asks all club members to let us know about any possible alternative.

The proposed constitution has been reviewed by the exec and will be put before the club at the Dec. meeting and in the next issue of this bulletin.

Fred Robinson  
Secretary  
VE3GCP

#### COMPLAINT DEPT.

Recently, some people have been accessing the link without giving their call signs at any time during the transmission. This practice is **ILLEGAL!**

In the future when accessing the link without prior identification you will be **CUT OFF!** If you want to check if DRW is operating, use the simplex frequency. There is nothing wrong with testing out the link as long as you do it properly. After all, you have an experimenter's license. But you must obey the regulations - you spent enough time learning them!

Remember, it takes only one or two rotten apples---lets make DRW a repeater to be proud of and give some encouragement to the few who spend so much time and effort in maintaining and developing the equipment and its uses.

REGIONAL POLICE LINK-UP - UPDATE  
(By VE3BJN)

During the last few months meetings have been held with the Police Department in relation to the Link-Up system. These meetings with the Police Department and various members of the Hamilton Amateur Radio Club were conducted with the idea of gathering information, either for or against increasing the number of control access operators.

The main point of question appeared to be the total number of new control access operators.

As it stands at this point in time, there are approximately 30 members of the Hamilton Amateur Radio Club that know the access code and that have the necessary access equipment. It was decided that these 30 members would now be joined by the remaining members of the Hamilton Amateur Radio Club.

As a result of this decision and in accordance with the letter of APPROVAL from the Hamilton Wentworth Regional Police dated September 25, 1978 there is contained on the following pages:

- 1) The System Procedure - this is the procedure to be followed when calling the police.
- 2) Rules and Regulations governing the use of the Emergency System.
- 3) Conditions where the radio system could be used - Important.
- 4) Conditions where the radio system could not be used - VERY IMPORTANT.

It is important that the information contained on the following pages be read over thoroughly and understood, because we must be in compliance with the letter dated September 25, 1978. The following extract is taken from that letter: "AND THAT YOUR CLUB IS MAKING AN EFFORT TO TRAIN THESE PEOPLE TO DISCRIMINATE PRIORITY POLICE CALLS."

To meet fully with the above requirement and before any new member can use the Link-Up system there must be conducted an instructional session. The exact date, time and location will be published in the bulletin.

AS THIS IS STILL A SPECIAL PRIVILEGE GIVEN TO THE HAMILTON AMATEUR RADIO OPERATORS BY THE HAMILTON WENTWORTH REGIONAL POLICE, IT IS STRONGLY URGED THAT THE SYSTEM NOT BE ABUSED. LIKE OTHER PRIVILEGES GIVEN THE AMATEUR, IF MISUSED, MAY BE REVOKED.

Submitted: Liaison Officer,  
Hamilton Amateur Radio Club/  
Hamilton Wentworth Regional Police Link-Up System.  
Bob Marshall, VE3BJN

SYSTEM PROCEDURE

In an emergency the following is the recommended procedure:

1. Access the repeater -- VE3DRW.
2. Give your call sign.
3. Ask for Regional Police link up.
4. One of the Control Stations will answer and set up the link.
5. A Police Dispatcher will identify then take the information direct from the caller.
6. Give your call and all information pertaining to the situation.
7. IF ASKED BY THE POLICE DISPATCHER, remain at the scene in such a manner so as not to interfere, hinder, or otherwise create a new problem for yourself or others.

If you think that the problem is such that you should use the system, then certainly it is important enough to remain at the scene until the problem is rectified.

This will also enable the radio room operator to attain further information if required.

8. Upon the problem clearing itself or on the arrival of the Police SIGN CLEAR OF THE REPEATER LINK.
9. THE POLICE DISPATCHER WILL SIGN OFF AND CLEAR VE3DRW FOR NORMAL TRAFFIC.
10. It must be remembered that the passing of emergency traffic has the priority and it should be retained as such. Further, this system is such that it can be shut down by being abused.

Therefore it is to the benefit of the users and the general public that discretion be used when calling in on this system.

IF FOR SOME REASON NO ONE CAN BE RAISED THAT HAS THE ACCESS CODE, THE OLD SYSTEM OF USING THE BELL TELEPHONE WILL HAVE TO BE USED.

RULES AND REGULATIONS GOVERNING THE USE OF THE EMERGENCY SYSTEM

1. No calls are to be placed through the network requesting other Police departments be notified of occurrences in their areas. If the situation does arise, then the regular system of having a person phone the message through to the respective policing agency will be utilized.
2. Calls of a serious nature ONLY are to be called through.
3. During system operation the repeater will be kept clear until the emergency traffic has been passed and the repeater cleared.
4. The system will be controlled by the Police Department and the men deployed by the officer's in charge when the Hamilton Amateur Radio Emergency Corp. is called upon by the Regional Police for their assistance in regards to searches, etc.

5. On the occasion of two emergencies arising at the same time, one situation will be cleared first. The originator will then inform the Police Department of the second emergency and will turn the network over to the second caller. The second caller would then proceed as the originator and pass his/her message.
6. If, at some point in time, the Police Department requests weather reports (pertaining to severe snow or rain storms) a member of the club may be phoned by the Police and asked to access the system so that it may be continually monitored. At this time it is expected that club members will give information pertaining to the road conditions in their immediate areas. This does not mean 20 operators living in the same area would give their individual reports.

DISCRETION AND COMMON SENSE TO BE USED IN THIS INSTANCE.

THE POLICE DEPARTMENTS MAY ALSO REQUEST REPORTS FROM SPECIFIC AREAS. IF THIS SITUATION ARISES THEN ONLY THESE AREAS SHOULD REPLY.

7. All rules and regulations governing the use of the radio equipment as set down by the Federal Department of Transportation and Communications apply.

AS THIS IS A SPECIAL PRIVILEGE GIVEN TO THE HAMILTON AMATEUR RADIO OPERATORS BY THE HAMILTON WENTWORTH REGIONAL POLICE, IT IS STRONGLY URGED THAT THE SYSTEM NOT BE ABUSED. LIKE OTHER PRIVILEGES GIVEN THE AMATEUR, IF MISUSED, MAY BE REVOKED.

#### CONDITIONS WHERE THE RADIO SYSTEM COULD BE USED

1. Motor Vehicle Collisions - Serious personal injury accidents - This would had to have happened immediately or be out in rural districts. If it has happened in the city the odds are good that it has already been reported -- use the phone method.
2. Fail to remain accident - Same as number one - If you see the accident take place, attain a description of the auto, licence number, number of occupants, description of driver, and last direction of travel -- YOU MUST HAVE SEEN THIS HAPPEN.
3. Fire Alarms - In case of a house, barn or vehicle, in a rural area, call in immediately. If in the city - use the phone method.
4. Arson - Immediately in rural areas or by phone in the city.
5. Assault - If there are only two people fighting call in by phone. If there are several people against one, use the system.
6. Burglary or Robbery - Immediately by radio. If possible obtain description of involved parties. You must see this in progress. (Refer to item #2).

#### WHERE NOT TO USE THE SYSTEM

1. Parking complaints.
2. Abandoned Vehicles, on the road or on private property.
3. Notification of OTHER POLICE AGENCIES OF OCCURRENCES in their areas. The phone method should be used for all of these situations.
4. Vehicles out of gas, with flat tires, or other mechanical difficulties. The phone method will have to be used.

4. Vehicles out of gas, with flat tires, or other mechanical difficulties. The phone method will have to be used.
5. LOST CHILDREN - these will have to be initially reported by the parents or adults in charge of same to the Police Department. Depending on this situation, the Police may request assistance from the amateur operators. Each individual case will have to serve on its own merits.

(Bob, VE3BJN, will be the guest speaker for our Dec. 10/80 meeting. This will be an instructional meeting including a question and answer period. Come and learn first-hand and make some notes for your home or glove-compartment. Many people are always talking about citizen participation in our society - now's your opportunity to learn and act. Ed.)

#### THE 1981 ELECTION

If you have never run for office before, now's your chance to find out how the club operates. Every club member should take a crack at being on the executive--you'll be surprised what you learn while you become a better ham. The following have agreed to stand for election. Why not add your name to the list? We need 7 directors and various committee heads - so come on out to the November meeting and help to guide the club to a successful year!

VE3HLI, Jerry Goldberg. Works at Toronto Mutual Insurance. Very active in the club since 1974. Always ready to pitch in and help. One of our stalwart members and our current Vice President.

VE3FHQ, Glenn Gibson. A Westinghouse retiree. Active in emergency and public service, social events. Active in the Trans-Canada and Armed Forces nets - one of our unsung club members.

VE3JTR, John Haywood. Work for the Hamilton Wentworth Regional Police as a radio dispatcher. John's advice and counsel will be valuable since he is connected with the 2-metre link up. Welcome aboard, John.

VE3HPF, Doug Carmichael. Works at Stelco. Doug is a new member and an ex-serviceman. New blood is what we need. Glad to have you with us, Doug.

VE3KTY, Bob Dyer. Works for mother Bell. Started as membership chairman in 1979 and moved up to Treasurer for 1980. Bob's business experience has been very helpful during the last two seasons. We need hams like him.

So - add your nominee to the list. There's room for more! Or just stand up and volunteer - REMEMBER, IT'S YOUR CLUB, PARTICIPATE! YOU'LL BE A BETTER HAM FOR IT. (Ed)

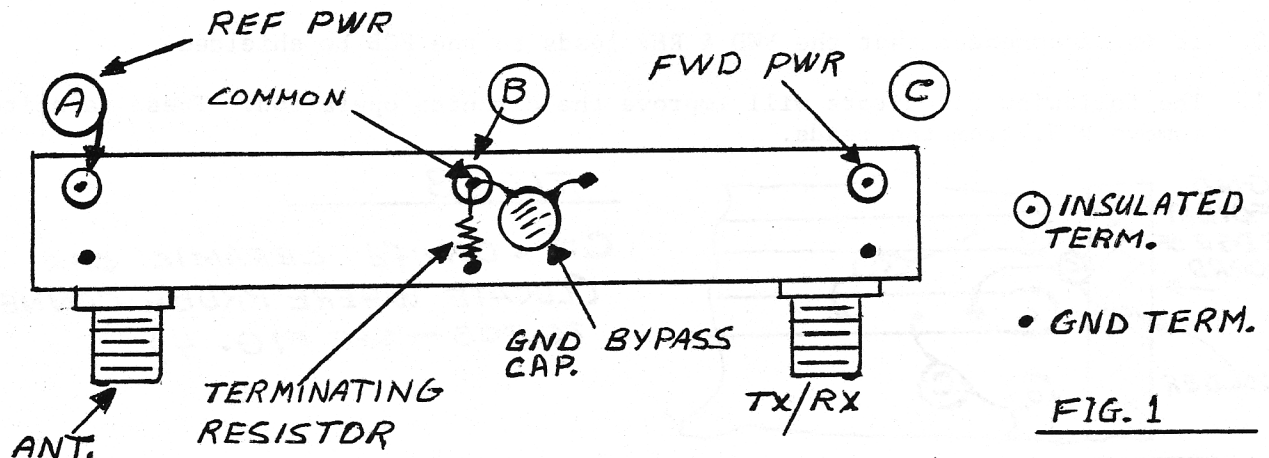
THE GRAPEVINE... There was a big winner at the recent Dofasco flea market. The prize was a 50-50 draw (this is where the winner gets 50% of the door receipts). Rumor has it that his call is VE3CZ? (I don't know the last letter of his call). It was reported that he had the biggest smile on the floor and made numerous requests for protection on his way home in addition to radio guidance. I guess when I start receiving post cards from Florida this winter, I will find out the last letter of his call. (Ed)

NOTES ON "THE COMPUTING SWR BRIDGE"  
(By VE3DSP)

The SWR project has now reached completion. There are still P.C.B.'s available for \$1.00 per copy. Those who requested a SWR bridge pickup unit are now connecting them up.

The following notes are to assist in the set up and check out of each unit.

1. The SWR pickup layout is as shown in Fig. 1. This pickup is isolated from the ground provided by the antenna coaxial cable.



2. Use a VTVM, TVM or High Impedance Multimeter set to a low voltage scale (2-5 V range).
3. Connect the bridge to your Tx and Dummy Antenna.
4. Connect the "-" lead of the meter to point "B".
5. Connect the "+" lead of the meter to point "A".
6. Turn on the Tx and adjust its output for a full scale reading on your test meter. Give the Tx a rest.
7. Move the meter "+" lead from "A" to "B".
8. Turn the Tx back ON. The reading will be very low if the SWR is low. Give the Tx a rest. This shows the bridge is working.
9. Connect the SWR Probe (bridge pickup) to the Computing SWR P.C.B. See Fig. 2

(DON'T FORGET THE DEC. 10/80 MEETING)



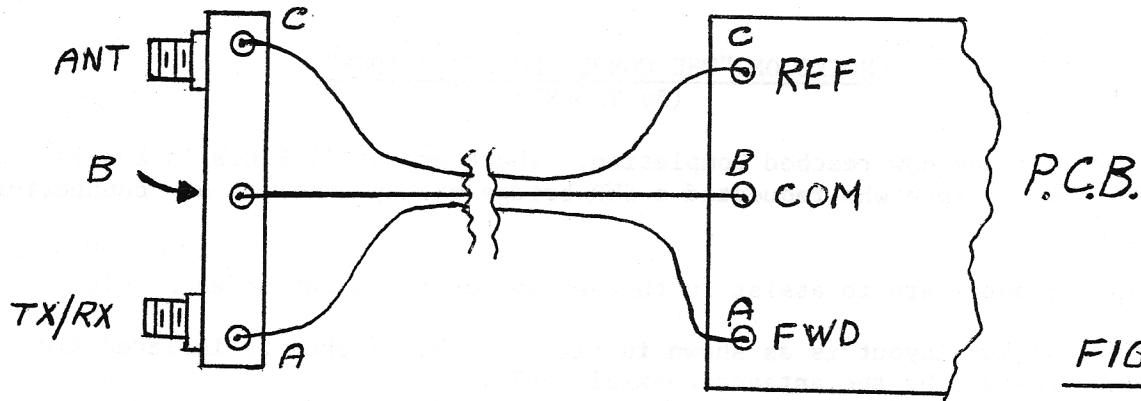


FIG. 2

10. It is recommended that the FWD & REF leads to the PCB be shielded.
11. The following capacitors will improve the circuits operation. These capacitors remove R.F. from the leads.

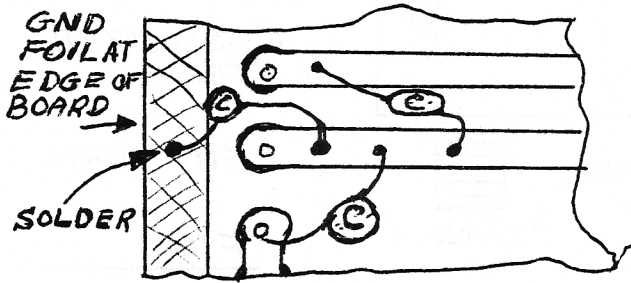


FIG. 3

C = .0014fd CERAMIC CAP  
(LOCATE WHERE PROBE CONNECTS  
TO PCB - SEE FIG. 4)

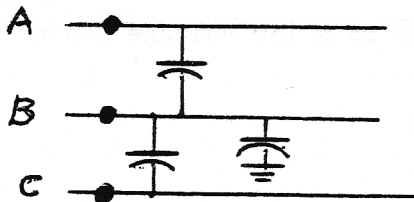


FIG. 4

SCHEMATIC DIAG. EQUIV

12. To check out the Electronics connect a suitable power supply, 12-15 Volts is recommended.
13. With the probe connected to the Electronics, connect a 1.5 volt battery between pin "A" of probe and pin "B".  
The "+" terminal must be to pin "A".
14. Adjust the meter zero potentiometer for 1:1 SWR. Note: This is because you are simulating a 1:1 SWR. The battery represents FWD power and the reflected is zero.
15. Now connect the "+" of the battery to both term "A" and term "C" of the pick up. This simulates a total reflection from the antenna. Now adjust the calibrate for full scale.
16. Repeat steps 13-15 until the meter reads 1:1 for no reflected power, and full scale for total reflection.
17. Remove the battery from the probe terminals. The bridge is ready for service.

You will find that the meter is simple to use. Just fire up the Tx and adjust the antenna coupler for 1:1 or minimum SWR.

- The transmitter power is unimportant. Prove this by chatting with a friend on the air. You can even adjust your antenna coupler while chatting.
- You may notice some sensitivity to power, but this will be very small compared to the old standard MANUAL SWR bridges.
- Use the bridge to spot loose antenna system connections, or other things that affect SWR. To see this just loosen the antenna coax connector while Tx at low power and then wiggle the connection.

Good Luck 73

GLENN, MAX  
VE3DSP VE3DNM

#### NEWS FOR XMAS

Effective immediately, duties have been removed on amateur equipment as follows: transmitters, receivers, transceivers, transverters, assembled or in kit form. This also includes linear amplifiers, vfo's and power supplies designed for use with the above equipment. Federal tax is still in effect. This refers to tariff item 44534-2 in the Federal budget of Oct. 28/80. Contact your local Customs Dept. or see December's bulletin for factual details.

#### VOLUNTEERS REQUIRED

The club is looking for a Sponsor to assist a White Caner who lives on John St. N. in Hamilton. He also needs tutoring. Contact Stan, VE3GFE for details.

A young teen-age student (13) is also looking for assistance. He has no speech ability but excellent hearing. Contact Vern Huckle, VE3BKM at 388-6989 (days only).

DON'T FORGET THE DEC. 10/80 MEETING.

MEMBERSHIP DUES FOR 1981 - SEE THE TREASURER AT THE NOVEMBER MEETING OR MAIL YOUR DUES TO THE CLUB'S P.O. BOX.

ATTENTION

XYL's

Are you tired of your OM hiding in the ham shack?

Are you tired of being left at home while he's at ham fests?

Are you left out of his conversations when they turn to  
diodes, resistors, antennas, and pi filters?

Do you wish you could share this important  
part of his life?

Have you ever thought of being a ham too?

WELL YOU CAN

Lots of women are becoming interested in the exciting  
field of ham radio. Whether it is chasing DX, rag chewing,  
or just being able to get hold of the OM on his way home  
from work.

Ham radio is fun and interesting. It is not impossible  
to learn the electronic theory or the code that is required  
for the amateur exam. All it takes is a little dedication.  
I did it - you can too. So give it a try. Night school  
courses begin in October - so sign up for one.

For further information contact your OM or myself.  
Or better yet, come out to the meeting this month.

73,

Barb VE3KTX

(---from the Niagara ARC of which Barb is a member)

SWAP SHOPFOR SALE

SWL Larry 522-0374

- Radio Shack Pro-2001 Programmable Scanner \$400

VE3DPD Rex 281-9856

- Claig FM-27B 25W 2 meter FM xcvr, fully synthesized, c/w Pwr supply,  
Magnetic mount \$400 146-148 MHz \$250

VE3HXO Kevin 438-2675

- Amcomm 225S 2 meter synthesized Xcvr, c/w pwr supply, magnetic mount  
antenna \$400

VE3FGU Mike 699-6355

- CDE Model BT-1 Antenna Rotator, rebuilt \$65

VE3BJN Bob 544-5218

- 2500V Various Taps XFMR, 2500V Choke, Var. Cap 325pf 1KV Neg.

VE3TR Jim in Baltimore, Ont. Contact VE3BAS Norm 383-6427

- Yaseau YC-601 Digital Display \$150

VE3VK Fred 226-3265 T.O.

- Jackson Drive, 1:40 Ratio \$5

SWL Al Barabus 637-1522

- Hallicrafter SX-101 Rx, HT-32A Tx, R-46B Spkrs c/w Manual \$300

VE3UH John 659-7770

- DX Eng Speech Processor for Drake T-4XC, with manual \$140 Neg.

VE3RQ Newm Burford 241-3995 T.O.

- Kenwood 599A Rcvr, Hamband \$325

- Heath GR-54 Gen Cov Rcvr, all tubes \$95

VE3LEW Dave 985-3553 Port Perry

- Icom IC-215 2 meter xcvr, built-in charger, man, ant, T.T. Pad,  
available, extra xtals \$300 NEG.

VE3CTP Eric 291-0088 T.O.

- Kenwood TR-2400 handheld \$465

- Matching 100W amplifier &amp; supply \$250

- 2 meter Ringo Ranger \$35

- Larson 5/8 magnetic mount \$38

- Package deal \$725

VE3IUO Clary 945-5998 Grimsby

- 2 meter xcvr Model KDR-144 c/w 18 sets xtals, mike, acc, 12V pwr  
supply, Moseley M-144 1/4 wave ant, cushcraft 4 element beam \$225

VE3KTY Bob 335-9403

- Radio Shack Power-SWR-Modulation Bridge Model 21-522 \$30

VE3IQL Terry 679-4491

- SBE Model 34 Xcvr, 80 - 15 meters, has good rx, but Tx has problems.  
Good Rx for CW practise, c/w manual \$100- TRAC message memory keyer, has two memorys, will store 512 bits in  
each memory, manual incl \$40- Robot SSTV System, Model 70 Camera, Model 80 monitor combination,  
c/w 25 mm Macro Lense, with manuals \$500

SWAP SHOP Cont'd

VE3JTJ Bob 632-2670

- Heath HA-201 Amplifier 2W in - 10W out, VHF, c/w manual \$25
- Radio Shack Low Pass Filter \$10

VE3EFD Bob 632-6279

- Kenwood TR-7200G 10W, 8 chan, 2 meter xcvr, with T.T. Pad \$225

VE3DKQ Dave 844-2313 Oakville

- RTTY Equipment; Model 14 Tape Reader \$15, Model 14 Typing Referf \$25, Good for 60 wpm, have 75 wpm gears

VE3MFA John 681-2851

- Drake MN-4 Antenna Tuner \$75

VE3HUW Stan 438-3175 T.O.

- Heath HW-32A, 20 meter SSB xcvr c/w HP-13 pwr supply with spare finals & mike \$145

VE3DFS Bob 336-2321

- Qty 3 4-250A tubes c/w sockets & plate caps \$15 ea Pkg: \$45

VE3ITJ Arunis 388-8658

- Kenwood TR-7200G 2 meter FM, 13 sets xtals, mobile mtg bracket, c/w manual \$200
- Standard Model C145BM Portable c/w manual, 3 sets xtals, ext. mike, carry case, charger \$200
- Radio Shack TRS-80 computer Model I, Level II 16K RAM Basic, c.w 10MHz video monitor, complete \$750

VE3KTS Jim 388-4024

- Ten Tec Keyer Model KR-20A, c/w man \$75
- Radio Shack SWR-Power Bridge, has 3 ranges with man \$35

VE3EEL Frank 336-3025 office: 634-7784

- Kenwood 2400 xcvr c/w batterys, charger \$450

VE3JUD ~~Frank~~ Ford 634-5821

- Ten Tec Model KR-50 Keyer \$80

VE3KDT Bill 491-4666 T.O.

- 13.5V DC 15 Amp Continuous Pwr Supply \$90

VE3MFG Joss 526-9340

- MFJ Model 751 SSB & CW Filter \$35

VE3JTE Hank 878-3791 Milton

- Hustler Model BTV 80-10Meter Vertical Antenna \$50
- Johnson Rotary Inductor, 1/4 X 1/8 conductor size \$30
- Air Var Cap, 350uuf, Double 275uuf 3KV \$10 ea
- Qty of Hammond Xfmrs; 110VAC Pri, 1250VAC @ 250VA Sec. \$5.00 ea

VE3DJG Mike 751-0438 T.O.

- Kenwood Gen. Cov. Rcvr Model R-300 with manual, Int. Battery, covers 175KHz to 30 MHz \$275

VE3IBK Bill 298-8591 T.O.

- Bearcat 250 Scanner \$425

SWAP SHOP Cont'dWANTS

VE3AAL Horace 547-3555

- EICO Tub Tester Adapter socket, Model 610A, used on EICO 666 Tube Tester, would like manual and/or the item.

VE3BJN Bob 544-5218

- Service manual for Unitrex 14PPMD Calculator

VE3IUR Al 759-7348

- ATV camera
- Monitor Scope for 820S

VE3UY Ralph 277-3131 T.O.

- Qty Six 600 ohm 400W resistors NON Inductive
- Qty Two 600 ohm 50W " " "

VE3LEW Dave 985-3553 Port Perry

- Heath HM-102 SWR-Watt meter
- 6 pos coax switch

VE3HXE Ken 423-8000 T.O.

- $\frac{1}{4}$  wave collapsible antenna for Tempo S-1 portable

VE3JTJ Bob 632-2670

- Bencher type paddle or similiar for electronic keyer

VE3KVD Tom 483-1003 page 1562

- 6 meter xcvr, AM-SSB

VE3JTE Hank 878-3791 Milton

- Filter Choke 4 to 16 Henrys 3 KV 350ma

SWL Don Ross 522-6611

- CW Osc for Code Practise

VE3JUD Ford 634-5821

- Kenwood TS-120S Xcvr

VE3KOK John 836-5116

- self-supporting tower, 40 ft approx, will take it down.
- Vertical Antenna, 5 Band Trap type

VE3JUO Don 628-6839

- Heavy Wattage Resistor 40 to 45K 25W

VE3FDK John 385-0422

- Low Band Rcvr

VE3GVG Cameron 628-6125

- 4 pos or more Antenna Swith

VE3CZI Norm 388-9813

- Drake R-4C crystals for accessory range positions.

VE3RSO

REPEATER

146.625 IN

146.025 OUT

VE3RSO REPEATER ASSOC. INC.

FINANCING OF THE ON GOING OPERATING COSTS, SUCH AS LICENSE, INSURANCE ON EQUIPMENT, MAINTENANCE, MAILING COSTS, ETC. IS DONE ENTIRELY SEPARATE FROM THE RADIO SOCIETY OF ONTARIO INC.

THE FEE STRUCTURE DETERMINED BY THE BOARD OF DIRECTORS FOR 80/81 IS AS FOLLOWS:

- REPEATER USERS IN THE FULL QUIETING SERVICE AREA - \$10.00
- REPEATER USERS OUTSIDE THE FULL QUIETING AREA - \$5.00
- AMATEUR RADIO CLUBS CONDUCTING CODE AND THEORY CLASSES ARE ASKED TO CONTRIBUTE \$1.00 FOR EACH STUDENT ATTENDING THEIR CLASSES STUDYING FOR EITHER THE AMATEUR OR ADVANCED AMATEUR EXAM

OFFICIAL RECEIPTS WILL BE ISSUED FOR INCOME TAX PURPOSES

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PLEASE COMPLETE THE FORM BELOW AND SEND IT ALONG WITH YOUR DUES TO:

VE3RSO REPEATER ASSOCIATION INC.  
P.O. BOX 327  
BADEN, ONTARIO, NOB 1G0

NAME: \_\_\_\_\_

CALL: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_

POSTAL CODE: \_\_\_\_\_

CONGRATULATIONS

New Calls Issued in the Hamilton Area. H.A.R.C. welcomes the following to the bands.

VE3MMM Ingo Gueldenpfennig St. Catharines  
VE3MML Paul Joseph Thomas Ancaster.

Advanced tickets Congratulations to Wm. J. Caldwell, Edward K. Power, David W. Webb and Wesley Tremblay.

Ten Metre Endorsements William Barrey, Denis Laliberty, J.G. Ruddy, Irena Zottl. Congratulations. A Mohawk College club member had a reply from Calcutta, India to his very first CQ on 10 metres.

The following passed their regulations and theory on October 15 1980. David Brown, Arthur Covey, Catriona Little, Kenneth Mangaroo, F. Tumbagahan. Keep practicing that code.