

The Hamilton Amateur



MEETING DECEMBER 14, 1994
BURBANKS REAL BAR-B-Q
8.00 PM, \$20.00 PER COUPLE

DECEMBER

SEASONS GREETINGS TO ALL AND YOUR FAMILIES

EXECUTIVE 94-95

PRESIDENT	Lorraine MacPherson	VA3NZ	389-7653
PAST PRESIDENT	David Bruton	VE3DWJ	383-9808
VICE PRESIDENT	Bob Tenty	VE3TOK	385-4817
VICE PRESIDENT	Fiore Manga	VE3OQG	578-1789
SECRETARY	Jason Clarke	VE3ZYD	544-9970
TREASURER	Joe Urbanski	VE3OCD	388-8383
MEMBERSHIP	Jeff Smallwood	VE3NVY	545-6788

HARC COMMITTEE CHAIRPERSONS

HISTORICAL:	VA3GO	George Olenick	383-7338
BULLETIN EDITOR:	VE3SON	Jim Walsh	689-6839
EDUCATION:	VE3EKY	Bernie Granby	527-7175
HEALTH AND WELFARE:	SWL	Ellen Reinke	522-8909
STATION MANAGER	VE3PFT	Paul Coppin	627-5672
HOSPITALITY CO-ORD:	VE3OGQ	Mary Urbanski	388-8383
SWAP NET CONTROL:	VE3JWJ	John Johnston	578-4275
REPEATER:	VE3OCY	Don Graziano	
EMERGENCY CO-ORD:	VE3EIK	Pat Brennan	561-5413
VE3DC Licencee:	VE3FHQ	Glen Gibson	385-2786
VE3NCF Licencee:	VE3MWH	Mark Gibson	389-4308
VE3RCB Licencee:	VE3EIK	Pat Brennan	561-5413
DELEGATED EXAMINERS:			
	VE3EKY	Bernie Granby	527-7175
	VA3NZ	Lorraine Macpherson	389-7653
FIELD DAY CO-ORD:	VE3PFT	Paul Coppin	627-5672
FLEAMARKET 95:	VE3WVC	Bill Court	572-3755
PROPERTY:	VE3NVY	Jeff Smallwood	545-6788
PUBLIC LIASONS:	VE3PFT	Paul Coppin	627-5672
AWARDS & CONTESTS:	VE3DWJ	David Bruton	383-9808
TECHNICAL:	VA3SP	Mike Spenuk	304-0980

The Hamilton Amateur Radio Club
General Meeting Minutes :
November 16, 1994

The Hamilton A.R.C. met at the Nash Auditorium on Nov. 16/94. The meeting was opened by our President, Lorraine (VA3NZ), at 8:15pm. Lorraine greeted everyone and asked if there were any new members or non members tonight?. Two people stood up: Barrie and Rick, Lorraine extended our welcome to them and continued. Lorraine also announced that it was Jim (VE3SON) and his wife Betty's 48th Anniversary. CONGRATULATIONS JIM & BETTY !!! Bob (VE3TOK) introduced our guest speaker Robin Haighton (VE3FRH) to tell us about Amateur Satellites [AMSAT]. Robin spoke about Low Earth Orbit Satellites, [he also used Joe(VE3OCD) and Mary(VE3OQG) as a simulation of how a satellite is constantly being followed by a computer controlled antennae array]. Robin also showed us a computerized slide show of the New Satellite [PHASE-3D] that is being built, and will be launched near the end of 1995. Bob (VE3TOK) Thanked Robin (VE3FRH) for taking time to talk to us about amateur satellites and hopes that we will be able to call upon his services again in the future if needed.

Rick (VE3OZY) presented the contest plaques to the club and Jason (ve3zyd) accepted the awards. Fred (VE3GCP) spoke about VE3DC getting 1st place in Canada and 9th place in all North America. We were a (6A) and we(VE3DC) surpassed the 7A & 8A stations. Bob (VE3TOK) announced that January's Topic is about OS/3.1 WARP. **COFFEE BREAK** at 9:30pm --- Meeting resumed at 10:00pm.

Lorraine (VA3NZ), asked the members if they would accept the minutes as written. Motion to accept, Jeff (VE3NVY) and 2nded by Rick (VE3OZY).

OLD BUSINESS: NONE

NEW BUSINESS: Lorraine (VA3NZ) read a Thank-You letter from the Good Sheppard Centres for the donation of sandwiches from the Hamfest. Also the on going project about getting available space at Mohawk College is coming around. It is confirmed that we will get a room at Mohawk, but as of when we are not sure. The room that we do get will be RENT FREE and will be 24 hrs a day secure, from unwanted visitors. Fred (VE3GCP) was concerned about the length of time we would be able to stay (ie: 1yr,2yrs,5yrs etc). That has not been determined as of yet Lorraine stated. We will also have access to the equipment lab.

Joe (VE3OCD) read the treasurers report; from the Flea Market the **Final income** is **\$4,902**, \$1193 received from the food. The rest is; \$250. paid for food (Burbanks), \$427.42 for supplies, and \$XX.xx for store bought goods. motion to accept minutes as read, Jim (VE3SON) and 2nded by Jeff (VE3NVY).

Fred is concerned about the Projected 1994-95 costs. "If we have approx. \$6000 in our club account and the projection is supposed to be \$7500 then we are going to be short by about \$1500." How are we going to make up the difference before next year??

Jeff (VE3NVY), states to everyone that he will be calling you to find out about your membership dues, those who haven't paid, you will not receive any bulletins and will have your auto-dial number removed from the repeater.

Motion to adjourn at 10:25pm was Fred (VE3GCP) and 2nded by Jeff (VE3NVY).

Lorraine Macpherson VA3NZ
PRESIDENT

Jason Clarke VE3ZYD
SECRETARY

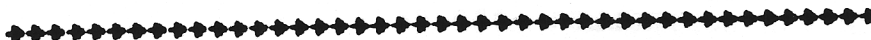
NOTES

The December meeting is a week early this month and promises to be veru good party. A great deal of work has gone into the preparations and deserves our support.

The next class with Bernie is starting February 4, 1995 at the Pinky Lewis Center. Those interested call Bernie at 527-7175.

Thanks to Jason VE3ZYD for sending a couple of technical articles for the Bulletin. Input from members has been conspicuous for its absence. However, it makes it easier to keep it to 10 pages or less so we do not have to pay extra postage. We must watch our budget.

Jeff VE3NVY and Jason VE3ZYD will be accepting non-perishable food donations at this meeting. All donations will be delivered to the Salvation Army.



VE3MPO MIKE (905)332-6365

- 3- PHILIPS ELECTRONIC MULTIMETER, BENCHTYPE MOD-PM2401 \$25.00
- 3- MFJ-304 SHORTWAVE CONVERTER FOR CAR FM/AM RADIO
19-25-31-49 METER BANDS \$30.00
- 3- 6JB6A TUBE \$10.00

VE3JIS JACK (905)648-6443

- 1- ALLIANCE ROTOR WITH CONTR. \$55.00
- 1- CHANNEL MASTER ROTOR WITH CONTR. \$55.00
- 1- SUPERIOR ROTOR WITH CONTR. \$50.00
- 1- CDE AR30 ROTOR AND CONTR. \$90.00
- 1- CDR AR22 ROTOR AND CONTR. \$40.00
- 1- KYOKUTO 2MTR DIGITAL MOBILE 1-10 WATTS. 144-148 RX 146-148 TX
MOBILE BRACKET, MANUAL \$125.00
- 1- TURNER +3B MIC \$45.00

VE3PFT PAUL (905)627-5672

- 1- 3 CASSETTES PACKAGE CODE TAPES 5 TO 12 WPM \$9.95 EACH OR 3 FOR \$25.00
- 1- 11 ELEMENT 2MTR BEAM \$75.00

WANTED

VE3EKY, BERNIE, (905)527-7175

- 1- MANAUL OR SCHEMATIC FOR KNWD TH28-AT WANTED

VE3JIS, JACK, (905)648-6443

- 1- 2 11MTR SSB RADIOS WANTED

VE3ZUL, ARTIST, (905)227-7953

- 1- HOTWATER 2036A MANUAL WANTED

VE3GRG, GREG (905)318-6593

- 2- RS DX160 MANUAL WANTED

VE3PFT, PAUL (905)627-5672

- 2- GREENLEE CHASIE PUNCHES WANTED

SWL, BART (905)574-9004

- 2- PRO 2005 OR 2006 SCANNER WANTED

VE3LEC, HARRY (416)4ELF SUPPORTING TOWER WANTED

VE3SE, JOE (905)6801211

- 2- HUSTLER SUPER COIL FD

VE3NVY, JEFF (905)545-6788

- 3- LASERJET PRINTER FOR IBM WANTED

VE3FUG, LORNE (905)776-2241

- 3- AMIGA RGB 1080 MONITOR \$200.00
- 3- MPS1000 PRINTER SER, PAR, PORTS \$150.00

VA3WS, BILL (905)312-0428

- 3- HUSTLER HF ANTENA SYSTEM 10-80 MTRS VERTICAL AND HORIZONTAL BAR \$150.00

VE3NYZ, RENZO (905)521-1064

- 4- AEA HF ANTENA TUNER MINT, CROSS NEEDLE MANUAL 300WATT + \$145.00
- 4- UNIDEN HR2600 10 MTR RIG, MANUAL \$250.00

VE3JVJ, MARK (905)574-4370

- 4- DELHI 72 FOOT SELF SUPPORTING TOWER, 9 SECTIONS WITH BASE.. \$450.00

VE3SE, JOE (905)680-1211

- 3- COMMODORE 64, 1541 DRV. SP1000 PRINTER, DIGICOM TNC, PHONE MODEM NO MONITOR \$200.00
- 3- DELHI 48FOOT SELF SUPPORT TOWER ON THE GROUND \$150.00

VE3JWJ JOHN (905)578-4275

- 3- YAESU FRG 8800 DIGITAL GEN COV. RECIEVER, \$450.00 OR B.O. OR TRADE.
- 3- KNWD TH77A DUAL BAND H.H., 1HR RAPID CHARGER, SPKR MIC, 3 BATTERY PACKS, CAR ADAPTER, MANUAL.. \$650.00 OR B.O.

VE3NYG, RUDDY (905)662-6163

- 3- DELHI 32 FOOT TOWER 4SECTIONS \$50.00
- 3- GEM QUAD ANTENA 10-15-20 MTRS \$50.00
- 3- CUSHCRAFT 2MTR RINGO RANGER \$50.00
- 3- LOWPASS FILTER VIEWSTAR 1000WATT \$20.00
- 3- LOWPASS FILTER DRAKE 1000WATT \$20.00
- 3- LOWPASS FILTER TAYLOR 1000WATT \$15.00
- 3- AEA COMPUTER INTERFACE AND COCO 2 COMPUTER, HAMSOFTE SOFTWARE \$200.00

VE3WTE WHITY (905)547-0515

- 1- RG 213 44 FT OF COAX \$25.00
- 1- IBM MONO VIDEO CARD \$15.00
- 1- OAK COLOUR CARD \$25.00
- 1- 286 MOTHER BOARD 16 MHZ \$25.00
- 1- WELLAR SOLDER STATION \$25.00
- 1- YAESU FT-11R 2 HH DIGITAL \$400.00
- 1- STARTEC ATH15 FREQ COUNTER \$200.00
- 1- SHURE MICS 2 SE ONE BOOM.
- 1- TOKYO HIPOWER HF CONVERTER 80/40/20/15/10 METER BANDS \$200.00

VE3LEE, NEIL (519)621-7547

- 1- 40 FT. DELHI TOWER \$85.00
- 1- 1991 CALLBOOKS N.A. AND INTERNATIONAL \$10.00
- 1- TURNER CUSTOM SPECIAL MIC. \$45.00
- 1- DEC VT240 DUMB TERMINAL, KEYBOARD, 9600 COMPATIBLE, COLOR HIRES MONITOR \$100.00
- 1- XTCOMPUTER, 20MEG HDRIVE, 51/4 FLOPPY, AMBER MONITOR AND YAESU FT-227R 2MTR MOBILE .. TRADE BOTH FOR DUAL BAND MOBILE..

TUESDAY NITE SWAPSHOP HELD ON CLUB REPEATER VE3NCF 146.760(-600)
NET CONTROLLER VE3JWJ JOHN (905)578-4275
ALL ITEMS ARE LISTED ON THE SWAPSHOP FOR 4 WEEKS
LIST AVAILABLE ON PAKET AND PHONE BBS 905-575-4745

SWAP LISTING FOR NOVEMBER 29/94

VE3ETK, X800 DOT MATRIX PRINTER \$130
1- SONY TC353D, 3HD, 4TRACK REEL TO REAL TAPERECORDER \$65.00

VE3PKY, CHRIS, (905)547-3169
1- 386-33 COMPUTER PARTS, MOTHERBOARD, VGA CARD,
200WATT PWR/SUPLY, 5 1/4 DRIVE \$50.00

VE3OUA, RUDY, (416)496-1695
1- TENTEC ARGOSY 2 10-80MTR SSB, CW. PWR/SUPLY, 914 MFJ TUNER, REFLECT PWR
METER FOR VISUALLY IMPAIRED, FREQ COUNTER VOICE SYNTH, CW KEY \$650.00
1- CUSHCRAFT AB5 5 BAND VERTICAL ANT. \$150.00 TAKE BOTH FOR \$750.00

VA3LRL, LARRY, (905)574-1805
1- HOTWATER 101, SB600 SPKER PWR/SUPLY MANUAL AND MIC \$175.00

VE3WP, GEOFF (905)648-4980
1- 2 MTR SWISS QUAD \$30.00
1- HEATH DUMMY LOAD \$20.00
1- TT PAD FOR TRANSMITTER \$10.00
1- SLOWSCAN CONVERTER WITH CAMERA AND SCREEN \$125.00
1- RCA VACUM TUBE VOLTMETER MODEL WV97A \$60.00
1- HEATH CAPACITOR CHECKER MODEL IT-11 \$50.00
1- HEATH HAM SCANNER MODEL HO-12 \$60.00
1- EICO AUDIO GENERATOR MODEL 37 465.00

VE3HRJ, JACK (905)335-0073
1- 3 TRS80 COMPUTERS, DOUSKDRIVE,
JOYSTICKS, ZENITH DATA SYSTEMS CABLES AND MONITORS, MODEMS
9600 INTERFACE, SOFTWARE FOR PACKET TERMINAL ALL FOR \$100.00
1- KNWD 9R59D GENERAL COVERAGE RECEIVER \$50.00

VE3LJY, VIC 765-4510
1- 1.2 FLOPPY DRIVE \$35.00

VE3CIS, MERV (905)634-2106
2- BUTTERNUT HF5B BUTTERFLY BEAM ANT \$200.00
2- HEATH SB620 SCANALYZER \$65.00
2- SUPERIOR ROTOR AND CONTROLLER \$30.00

SWL, TAMMY (905)545-9432
2- DIAMOND RH951 ANTENA FOR HANDHELD OR SCANNER \$50.00

SWL, RON (905)388-7906
2- BOX OF TESTING EQUIPMENT \$10.00 EA.

Presidents Report

I am please to report at the last executive meeting the budget was dissected and trimmed. The club cannot survive without the funds generated by the fleamarket. Membership dues do not cover the operating costs.

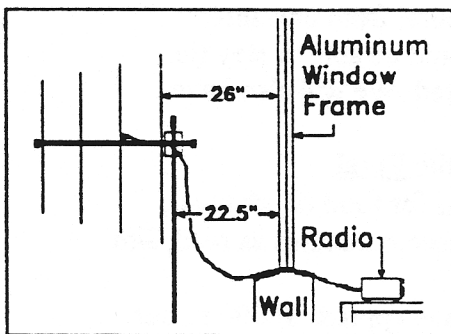
It is time for the students in the club that are Amateurs to apply for the bursary. Write an essay (500 words) explaining what you are doing to further your education. Call sign or parents call sign and proof that it is second year or further in College or University.

The annual Festive Season get together meeting is a Burbanks. Stan has been busy gathering door prizes so be there at 8 p.m. pay at the door (\$20.00 per couple) cash bar and enjoy the evening. How to get there. Centennial parkway (HWY 20) between Barton & Queenston Rd (Hwy 8) on the East side. This is to be a fun time so come out and join the merry makers.

A BI-DIRECTIONAL BEAM? strange brew from Bob Pearson VE3LTV

OK, so I'm a relatively new ham and my "technical expertise" is sometimes based on hunches.. most charitably called bizarre, but facts is facts and results is results, so here's my story.....

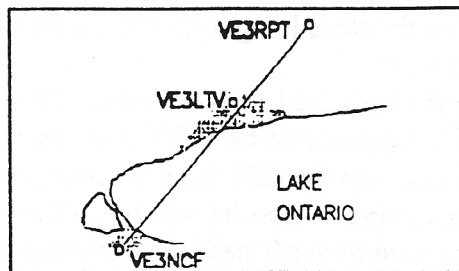
I live just south of Finch and Yonge, the geographic centre of the intermod universe. On a normal day I can hit RPT with a handy from my second-floor apartment (it faces sort of east). Bad days, though, convinced me to buy a four-element 2M beam.



Mounted it to an old steel hatrack upright and stuck it out on the balcony. Everything worked great, but I couldn't talk to VE3GUN's dad Rolf VE3KTB in Burlington because my building and the other one in our complex were in the way. Not a huge problem as he could hit RPT from his place and we could have a QSO when the repeater was free, but still a minor annoyance.

Then VE3GUN started a new job in Fort Erie and moved to Burlington until he could find a place in the Niagara area. Now what? Well, we tried chatting on VE3NRS in St. Catharines, but the signal was pretty noisy and I got clobbered with intermod at that frequency. We decided to try VE3NCF up on "Mount Hamilton", south of that city, and, lo and behold, it worked great!

"Why?", you ask. First, and most obvious, is the fact that the repeater has a better location and a better antenna than Rolf. Being up on "the mountain" does put it up somewhat higher than Rolf's rig and it does seem to put out a pretty good signal.



Second, and here comes the weird stuff, my beam is pointed at RPT and I'm almost on a line connecting the two repeaters. Now the backside of this antenna shouldn't pick up all THAT well, but I believe that the placement of

the antenna, with the beam pointed directly away from the aluminum divider down the centre of my windows, is causing the divider and the reflector elements to act as directors....

I can get into RPT on 0.5 watts and NCF on 5 with no problem at all and a good signal! The neat part is that I didn't have to buy any new equipment (OK, so I did put the hatrack on a milk crate to centre it vertically on the divider's plain section), and isn't saving money what every ham wants?

Anyhow, take heart apartment dwellers, if you have a balcony you may be able to use a similar trick, depending on your QTH and what repeater(s) you are after. The divider also seems to improve the signal to and from RPT, perhaps acting as a secondary reflector or something, so even if you're not between two repeaters you may find a performance improvement.

I'd appreciate hearing from anyone who tries this, it would be interesting to find out if it works for others, or whether I just got lucky. By the way, the drawings are not to scale and I'm not sure how critical the distances are, but you get the general idea; try a few positions.

...Anyhow, good luck and 73!

THANKS TFMCS

