

NORTH SHORE AMATEUR RADIO CLUB INC.

P.O. BOX # 171, OSHAWA, ONT., L1H 7L1



Feb / 87

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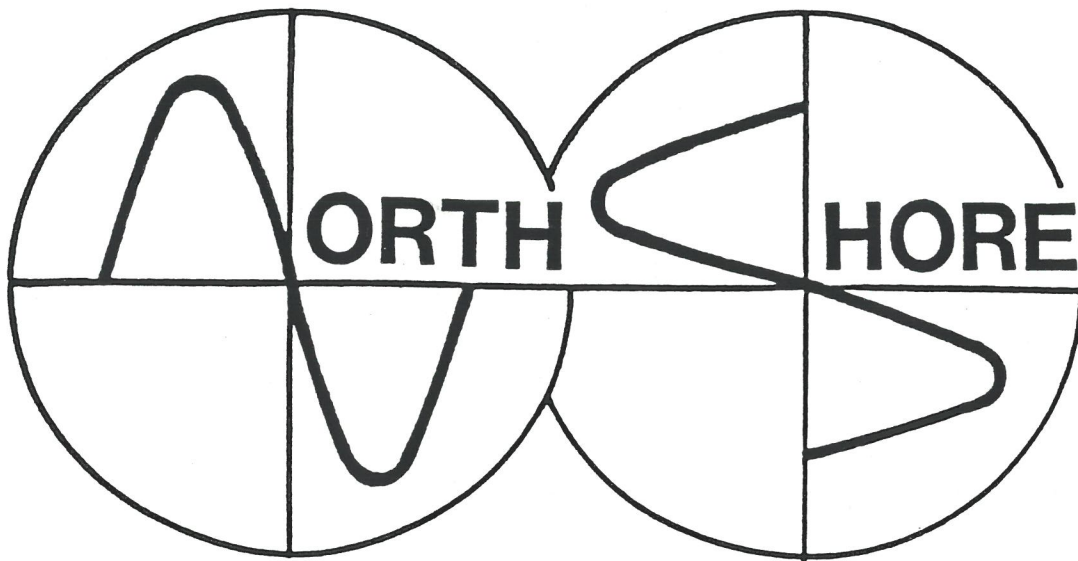
VE3CRK

87

Ralph
454 Holcan Ave
Oshawa

Day

Ont. L1G 5X6



**AMATEUR RADIO
CLUB**

=====
 DIRECTORS (ELECTED)

VE3 ASH	PRESIDENT	RICK GIBSON	728-1480
VE3 NIP	SECRETARY	FRANK LANE	434-6657
VE3 CEU	TREASURER	COLIN BELL	723-7842
VE3 DZM	PROGRAM DIRECTOR	KEITH MAITLAND	725-1041
VE3 KOE	PAST/VICE PRESIDENT	RENO TORRESAN	668-8760

OTHER OFFICIALS (NON ELECTED-SUBJECT TO CHANGE DURING YEAR)

VE3 GDF	REGISTRAR	KEITH WYARD-SCOTT	723-5758
*** **	COMMUNITY RELATIONS	**VACANT**	*****
VE3 CRK	SPECIAL EVENTS	RALPH DAY	576-8738
*** **	GET WELL CARDS	**VACANT**	*****
VE3 AAF	2-METER NET	ROY MILLER	852-5447
VE3 LHZ	MEMBERSHIP LIST & LABELS	PAUL DALE	579-2877
VE3 UG	FINANCIAL AUDITOR	HARRY WESTWOOD	683-5104
VE3 IHS	INSTRUCTION	JOE WHITE	623-4069

 =====
 CLUB STATION VE3 NSR
 CLUB REPEATER VE3 OSH 147.72 MHZ IN 147.712 MHZ OUT
 CLUB NETS

2-METER NET HOSTED BY ROY (AAF) OR A STAND-IN CONVENES EVERY THURSDAY AT 19:30 LOCAL TIME ON THE CLUB'S REPEATER (OSH). AS PART OF THE NET, CODE PRACTICE IS PROVIDED BY BERNIE (ATI) BEGINNING AT 20:30 LOCAL

10-METER NET (UNOFFICIAL) -A GROUP OF 6 TO 10 LOCAL HAMS MEET SUNDAYS ON 28.200 MHZ USING CW FROM 09:30 TO 10:00 LOCAL THEN SWITCH TO SSB PHONE UNTIL EXHAUSTED OR XYL CALLS "DINNER".

 =====
 CONTRIBUTIONS TO SPARKS

EDITING TEAM-	VE3 GDF	KEITH WYARD-SCOTT	723-5758
	VE3 OUB	RAY ZAMBONELLI	723-2467
	VE3 ASB	LARRY MCKNIGHT	427-0893

CONTRIBUTIONS- MAY BE MAILED (ATT THE EDITOR) TO THE N. S. A. R. C. BOX #171, OSHAWA, ONT., L1H 7L1 OR, IF URGENT, CALL ONE OF THE EDITORS DIRECTLY.

NOTE!-OPINIONS EXPRESSED ARE THOSE OF THE WRITERS AND DO NOT NECESSARILY REFLECT THOSE OF N. S. A. R. C. INC.

 =====
 NEXT MEETING-TUESDAY, FEBRUARY 10, 1987 AT 20:00 LOCAL (8:00 P. M.)
 O'NEIL COLLEGIATE & VOCATIONAL INSTITUTE CAFETERIA

PROGRAM-FRANK LANE VE3 NIP WILL TALK ON VHF ANTENNA BUILDING AND FEEDING SYSTEMS

SILENT KEY -TED BRANT (ADD)

WE WERE SADDENED TO HEAR OF THE DEATH OF ONE OF OUR FOUNDING MEMBERS, TED BRANT, VE3 ADD.

TED, AN ELECTRICAL ENGINEER, WORKED FOR MANY YEARS WITH THE CANADIAN STANDARDS ASSOCIATION (CSA). HE WAS A STALWART CLUB MEMBER FOR ALL OF OUR 40 YEARS, SERVING A NUMBER OF TIMES ON THE EXECUTIVE, AND, ALONG WITH BERNIE (ATI), WAS THE FIRST RECIPIENT OF OUR 'OUTSTANDING AMATEUR AWARD'. TED WAS SELDOM, IF EVER, HEARD ON THE 2-METER BAND, SINCE HE PREFERRED THE HIGH FREQUENCY BANDS. MANY OF THE OLD-TIMERS WILL REMEMBER THE CORN ROASTS ON HIS LARGE PROPERTY IN WHITBY. TED HAS RECENTLY BEEN LOOKING AFTER SENDING FLORAL TRIBUTES AND GET-WELL CARDS TO AILING CLUB MEMBERS, AND VISITING SICK MEMBERS WHEN HE COULD.

TED WILL BE MISSED !!

NOTE! TED'S (WORKING) STATION HAS BEEN DONATED TO THE C. N. I. B. AND THE BALANCE OF HIS HAM GEAR WILL BE DISPOSED OF THROUGH BERNIE SANDBROOK, VE3 ATI. AT THE TIME OF WRITING, BERNIE WAS NOT AWARE OF THE EXACT QUANTITY OR IDENTIFICATION OF THE AVAILABLE GEAR. BERNIE WILL, NO DOUBT, MAKE USE OF BOTH THE 2-METER NET AND FUTURE ISSUES OF THE BULLETIN TO DISPOSE OF WHAT GEAR IS AVAILABLE.

JACKETS AND CAPS

SNOW COVERS THE GROUND, BUT IT IS NOT TOO EARLY TO THINK ABOUT LOOKING YOUR BEST AT ALL THE SPRING EVENTS. BY WEARING YOUR CLUB JACKET AND CAP AT THE FLEA MARKET, FOR INSTANCE, YOU WILL NOT ONLY LOOK GOOD BUT ALSO ADVERTISE AMATEUR RADIO IN GENERAL AND OUR CLUB IN PARTICULAR. FOR THOSE WHO DO NOT YET HAVE A JACKET OR CAP, RELAX! THERE IS YET HOPE! HAVE WE GOT A DEAL FOR YOU!

FOR THE PALTRY SUM OF SEVEN (COUNT THEM ?) DOLLARS, NEIL (VE3 KSP) WILL SUPPLY ONE GENUINE (PRONOUNCED JEN-YOU-WINE) BASEBALL-TYPE SUMMER CAP WITH YOUR NAME AND CALL EMBROIDERED IN WHITE ON THE RED CAP WHICH MATCHES THE RED OF OUR JACKETS.

THE UNLINED, RED NYLON JACKETS ARE AVAILABLE IN SIZES S, M, L, AND XL COMPLETE WITH YOUR CALL ON THE LEFT SIDE OF THE DOMED FRONT OPENING AND OUR CLUB LOGO AND NAME ON THE RIGHT; ALL ARE EMBROIDERED IN WHITE ON THE RED NYLON MATERIAL. THE COST IS JUST TWENTY-EIGHT (28) DOLLARS AND WILL CERTAINLY IDENTIFY YOU WITH OUR CLUB AND HAM RADIO.

ALTHOUGH WE CAN GET THE CAPS INDIVIDUALLY, WE CANNOT ORDER FEWER THAN FOUR (4) JACKETS AT ONE TIME; SO GET YOUR ORDERS IN EARLY AND AVOID THE CROWDS! REMEMBER WITH A JACKET OR CAP YOU WON'T FORGET YOUR CALL (UNLESS YOU PICK UP SOMEONE ELSE'S JACKET OR CAP)!

CALL NEIL, VE3 KSP, AT 985-3634 OR AT A CLUB MEETING TO PLACE YOUR ORDER. SOON!!!

NOT JUST OUR PROBLEM! (SUBMITTED BY RAY ZAMBUNELLI, VE3BUB)

SUNSPOTS AFFECT ELECTRICAL SYSTEMS

DURING THE WEEK OF FEBRUARY 8, 1986 ONTARIO HYDRO MONITORED THE EFFECTS ON ITS HIGH VOLTAGE TRANSMISSION LINES OF THE TORNADO-LIKE STORMS WHICH HAD OCCURED ALMOST A DAY BEFORE ON THE SURFACE OF THE SUN--MORE THAN 93 MILLION MILES AWAY.

ONTARIO HYDRO DATA COLLECTION POINTS AT THE KENORA, LAKEHEAD, AND WAWA TRANSFORMER STATIONS RECORDED A SLOW PULSATING DIRECT CURRENT OCCURRING ON ELECTRIC LINES RUNNING EAST AND WEST ACROSS THE CANADIAN SHIELD. WHILE THE IMPACT OF THE INTERFERRING CURRENT WAS NEGLIGIBLE IN ONTARIO, THERE WERE VOLTAGE SWINGS OF 15KV ON THE ELECTRICAL LINES IN QUEBEC AND OF 10KV ON SOME OF THE NEW YORK STATE TIELINES TO NEW ENGLAND. NO EQUIPMENT WAS DAMAGED, ALTHOUGH DURING SIMILAR OCCURRENCES IN THE PAST, RELAYS HAVE SUFFERED HEAT DAMAGE.

ELECTRICAL UTILITIES MONITOR AND RANK STORM ACTIVITY ON THE SUN USING A ONE-TO-NINE 'SOLAR MAGNETIC DISTURBANCE' SCALE. THE FEBRUARY DISTURBANCE EARNED A NINE (9), THE HIGHEST LEVEL OF SEVERITY. THERE ARE FIVE OR SIX PERIODS OF SIGNIFICANT SUNSPOT ACTIVITY EACH YEAR.

--73'S VE3BUB RAY

WELCOME TO MURPHY'S WORLD

WE WOULD LIKE TO TAKE THIS OPPORTUNITY TO WELCOME THE MEMBERS OF THE CLASS OF 86/87 TO OUR CLUB. JOE (IHS) HAS, WE HOPE, FULLY PREPARED THE FOLLOWING STUDENTS AND FUTURE HAMS IN ALL THE ELUSIVE METHODS OF DEFEATING MURPHY'S MANY LAWS (AT LEAST AS FAR AS AMATEUR RADIO IS CONCERNED).

GEORGE ADAMS	CLARENCE MOORE	WILLIAM URRY
ERNEST RUMFORD	BRAD RUMFORD	JOE SILVA
GARY MC KENZIE	ROBERT FALZON	

WE JOIN THESE STUDENTS IN THANKING JOE FOR HIS UNSELFISH USE OF HIS SPARE TIME TO HELP OTHERS ENJOY THE JOYS (?) OF HAM RADIO.

FUTURE FEATURES

OUR CO-EDITOR VE3 ASB (LARRY) HAS INDICATED THAT HE WOULD LIKE TO DO SOME PROFILES ON OUR BETTER KNOWN MEMBERS (WHO ARE NOT TOO WELL KNOWN). PERHAPS A BETTER TERM WOULD BE 'OUR MORE INTERESTING' MEMBERS.

IF YOU ARE APPROACHED, PLEASE SUPPLY ANY INFORMATION YOU CAN TO HELP LARRY IN THIS AMBITIOUS ENDEAVOUR.

A NOTE WORTH NOTING

THE SOUTH PICKERING AMATEUR RADIO CLUB AND THE NORTH SHORE AMATEUR CLUB ARE PLEASED TO ANNOUNCE THAT THE SIXTH ANNUAL DURHAM REGION AMATEUR RADIO FLEA MARKET IS SCHEDULED TO TAKE PLACE:

WHEN?--- APRIL 11, 1987

WHERE?--- PICKERING HIGH SCHOOL,
CHURCH STREET NORTH,
PICKERING VILLAGE,
TOWN OF AJAX, ONTARIO.

MARK THIS DATE IN YOUR 'EVENTS TO ATTEND' CALENDAR AND PLAN TO BE THERE.

THOSE WISHING TO RESERVE A TABLE WOULD BE WELL-ADVISED TO DO SO EARLY AS TABLES IN PAST YEARS HAVE BEEN SOLD OUT LONG BEFORE THE EVENT TOOK PLACE AND WE EXPECT OVER 140 VENDORS INCLUDING SEVERAL COMMERCIAL VENDORS AND RADIO ASSOCIATED ORGANIZATIONS.

MORE THAN 1400 PEOPLE ATTENDED THE 1986 FLEA MARKET WHICH HAS GROWN TO BE ONE OF THE MOST SIGNIFICANT AMATEUR RADIO ACTIVITIES OF THE YEAR IN THE AREA.

THERE IS A FLYER ENCLOSED IN THIS ISSUE OF THE NEWSLETTER PLEASE NOTE AND INFORM THOSE YOU CONTACT WHO DON'T GET A COPY.

THERE WILL BE SOME HELP NEEDED FOR SECURITY AND PARKING CONTROL FOR THIS EVENT SO DO SOME SOUL-SEARCHING AND CALL ONE OF THE FOLLOWING TO OFFER YOUR SERVICES; YOU WILL BE APPRECIATED.

VE3 CRK	RALPH DAY	576-8738
VE3 KQE	RENO TORRESAN	668-8760
VE3 FGL	JOHN PLUISTER	655-4269

FUR SAIL- A REEL OPPOR-TUNE-ITY ?

ANYONE INTERESTED IN STEALING (PURCHASING AT REASONABLE COST) A 56-FOOT, SELF-SUPPORTING (THAT'S MORE THAN I AM-EDITOR) DELHI TOWER IS INVITED TO CALL HERMAN VANDERVEEN AT 723-2072.

THE OFFER INCLUDES COLOUR HEAD, ROTOR, CONTROLLER, AND CABLES. PURCHASER TO TAKE IT DOWN. THE PRICE IS OPEN TO NEGOTIATION.

LEST WE FORGET THOSE WHO WON'T LET US

CHRISTMAS IS LONG GONE; NEW YEARS HANG-OVERS HAVE CLEARED UP FOR MOST OF US AND WE NOW HAVE A NEW EXECUTIVE TO CARRY US OVER THE REST OF THE YEAR. LET US NOT BE A BURDEN!! LETS US GIVE THANKS TO RENO (KQE), FRANK (NIP), AND COLIN (QUE) FOR REMAINING WITH THE EXECUTIVE AND TO KEITH (DZM) AND RICK (ASH) FOR JOINING THEM AND ALSO TO WHOEVER PERSUADED THEM TO DO IT. LET US FURTHER SHOW OUR THANKS BY HELPING THEM TO DO IT.

N. S. A. R. C. INC.

AUDITED FINANCIAL STATEMENT--JAN 1/86 TO DEC. 31/86

<u>INCOME</u>		<u>EXPENSE</u>	
MEMBERSHIP DUES	\$ 1240.50	BULLETIN	\$ 970.86
FLEA MARKET	\$ 2555.58	FLEA MARKET	\$ 271.07
REPEATER DONATIONS	\$ 175.00	REPEATER OPERATIONS *	\$ 1119.18
JACKETS AND CAPS	\$ 360.00	JACKETS AND CAPS	\$ 130.87
MISC. INCOME	\$ 153.38	MISC. EXPENSE	\$ 898.92
ANNIVERSARY DINNER	\$ 430.00	ANNIVERSARY DINNER	\$ 441.13
J. R. S. D. FUND	\$ 130.00	J. R. S. D. FUND	\$ 630.00
CODE TAPES & MANUALS	\$ 90.14	CODE TAPES & MANUALS	\$ 186.55
50/50 DRAW	\$ 69.00	XMAS PARTY	\$ 247.96
<u>TOTAL INCOME</u>	<u>\$ 5193.60</u>	CORN ROAST	\$ 124.91
		FIELD DAY	\$ 14.68
		<u>TOTAL EXPENSE</u>	<u>\$ 5036.13</u>
		ADD:1986 PROFIT	\$ 157.47
			<u>\$ 5193.60</u>

BANK RECONCILIATION

CASH ON HAND AND IN BANK JAN. 1/86	\$ 2259.17	---
TOTAL INCOME TO DEC. 31/86	5193.60	
	\$ 7452.77	-----\$ 157.47
TOTAL EXPENSE TO DEC. 31/86	5036.13	
TOTAL DISPOSABLE CASH AS AT DEC. 31/86	\$ 2416.64	----
ADD O/S CHEQUES #88, 97, 98, 99, 100	1333.15	
CASH ON HAND AND IN BANK DEC. 31/86	\$ 3749.15	

NOTE! AMOUNT MARKED (*) INCLUDES HYDRO FOR PREVIOUS YEAR (1985) AND RENT FOR COMING YEAR (1987) AS REPORTED IN OTHER YEARS.

INTERESTED IN IMPROVING??

JOE (IAS) STILL HAS A C. R. R. L. LICENSING MANUAL FOR SALE AT EIGHTEEN (18) DOLLARS AND SOME TAPES AT ELEVEN DOLLARS AND FIFTY CENTS (11.50). THESE ARE PRICED IN GOOD OLD CANADIAN (70 CENT) DOLLARS AND ARE GOOD FOR EITHER YOUR FIRST OR ADVANCED LICENSES. TOO GOOD? TOO BAD!!!!

WANTED -YOUR TECHNICAL PROBLEMS AND/OR ANSWERS

THE MAIN BENEFIT INVOLVED IN BELONGING TO A CLUB IS THAT YOU HAVE SOMEONE TO 'TAKE YOUR TROUBLES TO', SOMEONE WHO CAN HELP YOU TO MESS UP MURPHY'S LAWS, AND SOMEWHERE TO SHARE YOUR MOMENTS OF GLORY WHEN YOU ARE VICTORIOUS AND TRANSMIT FLAWLESSLY (TO THE COMPLETE AMAZEMENT OF YOURSELF, YOUR NEIGHBOURS AND, OFTEN YOUR FELLOW HAMS.

IF YOU HAVE A TECHNICAL PROBLEM YOU CAN'T SOLVE, A SOLUTION TO SOMEONE ELSE'S PROBLEM, OR AN INTERESTING PROBLEM YOU HAVE SOLVED, PLEASE SHARE IT WITH YOUR FELLOWS BY SENDING A FULL DESCRIPTION (NOT THE PROBLEM ITSELF! I HAVE ENOUGH OF THOSE IN MY BASEMENT NOW) TO THE EDITOR AND HE (I) WILL ATTEMPT TO GET AN ANSWER TO ALL MEMBERS (INCLUDING THE ONE WHO SOLVED IT) VIA THE NEWS LETTER. ALL CREDIT WILL BE GIVEN TO THE ONE WHO SUPPLIED THE MESS AS WELL AS THE ONE WHO SUPPLIED THE SOLUTION.

REMEMBER MARCONI? HE HAD PROBLEMS TOO! (POSSIBLY EVEN TIEING HIS SHOE LACES)

P. S. -WE WILL TRY TO GET THE ANSWER AS SOON AS POSSIBLE BUT IT MAY BE PUBLISHED AT A LATER DATE WHEN TIME AND SPACE PERMIT.

WOUL'D YOU JOIN US ? (AGAIN ?)

WE HAVE HAD A NUMBER OF REQUESTS FOR INFORMATION REGARDING OUR MEMBERSHIP FEE SCHEDULE; SO, WITHOUT FURTHER ADD, HERE IT IS!

FULL MEMBERSHIP-- \$15.00 CDN, (10.50 U.S.)-- INCLUDES FULL VOTING PRIVILEGES AND MONTHLY NEWS BULLETIN FOR ONE CALENDAR YEAR (JANUARY TO DECEMBER, JULY & AUGUST EXCEPTED)

ASSOCIATE MEMBERSHIP-- \$10.00 CDN (7.00 U.S.)--INCLUDES BULLETIN ONLY AND A HEARTY WELCOME TO ANY MEETINGS YOU CAN GET TO EITHER IN PERSON, OVER THE LAND LINE, OR ON THE AIR.

2ND FAMILY MEMBER--\$5.00 CDN (3.50 U.S.)--FULL VOTING PRIVILEGES BUT NO MONTHLY BULLETIN (ASSUMED LIVING IN THE SAME HOUSE)

TO JOIN US, SIMPLY (YOU'RE A HAM AREN'T YOU?) FILL IN THE FOLLOWING FORM AND MAIL IT ALONG WITH THE APPROPRIATE FEE TO THE REGISTRAR OF THE N. S. A. R. C. AT HIS HOME ADDRESS (PREFERRABLY) 298 DOVER STREET, OSHAWA, ONTARIO, L1G 6G6 OR TO THE CLUB BOX #171, OSHAWA, ONTARIO, L1H 7L1.

NAME- _____ CALL- _____
 STREET & NO. - _____ APMT- _____
 CITY _____ PROV. OR STATE- _____
 POSTAL OR ZIP CODE- _____ TELEPHONE- _____
 MEMBERSHIP-FULL _____ ASSOC _____ FAM _____ FEE _____
 DONATIONS FOR REPEATER FUND (IF YOU DESIRE) _____ AMOUNT _____

AROUND THE WORLD IN 80 COLUMNS (OR-WHERE DID YOU STEAL THE LINES)

WORLDWIDE BEACON SCHEDULE

THE YORK REGION AMATEUR RADIO CLUB NEWSLETTER (SPLATTER) STATES THAT A GOOD WAY TO FIND OUT WHICH PARTS OF THE WORLD MAY HAVE PROPAGATION WITH CANADA IS TO LISTEN FOR THE (9) CRYSTAL-CONTROLLED BEACONS THAT TRANSMIT IN SUCCESSION FOR (1) MINUTE EACH ON 14.100 KHZ. EACH BEACON TRANSMITS (4) SERIES OF 9-SECOND DASHES WITH A POWER OF 100 WATTS, 10 WATTS, 1.0 WATTS, AND 0.1 WATTS ON THE FOLLOWING SCHEDULE:-

TIME	STATION	QTH
00	4U1UN/B	NEW YORK
01	W6WX/B	CALIFORNIA
02	KH60/B	HONOLULU
03	JA2IGY/B	JAPAN
04	4X6TU/B	ISRAEL
05	0H2B	FINLAND
06	CT3B	MADEIRA
07	ZS6DN/B	SOUTH AFRICA
08	LU4AA	BUENOS AIRES

FROM THE SAME NEWSLETTER- A BIT OF WIT

YOU'RE AN OLD-TIMER IF YOU CAN REMEMBER WHEN THE ONLY LABOUR-SAVING DEVICE IN THE HOME WAS A WIFE. (EDITOR'S NOTE-AND THEN SHE ONLY SAVED IT FOR ME)

SOME MORE FROM THE SAME PLACE (OR MORE FROM THE GOLDEN GOOSE)

USSR AMATEUR SATELLITE PLANS

THE RUSSIANS ARE DEVELOPING AMATEUR SATELLITE SERVICE SYSTEMS (ASSS)(EDITOR'S NOTE - THAT'S THE LONG WAY OF SPELLING IT). PLANS INCLUDE THE LAUNCHING OF ONE OR TWO AMATEUR SATELLITES DESIGNED FOR USE BY RADIO AMATEURS ALL OVER THE WORLD AND FOR EDUCATIONAL AND SCIENTIFIC EXPERIMENTS.

THE SATELLITE NETWORK, TO BE KNOWN AS RADIO-M, SHOULD BE IN USE FROM DECEMBER 31, 1986. (ANYBODY HEARD ABOUT IT?--EDITOR) DATA SUPPLIED BY USSR MINISTERE DES POSTES ET TELECOMMUNICATIONS, 7 RUE GORKI MOSKVA MINSVIAZ, MOSKVA.

ORBITAL INFORMATION (REARRANGED BY N. S. A. R. C. EDITOR FOR TOTAL
CONFUSION- IF SUCCESSFUL CALL 723-5758)

INCLINATION OF ORBIT----83 DEGREES

PERIOD-----105 MINUTES

SPACE TO EARTH SERVICE AREA-ENTIRE EARTH (DEPENDING ON POSITION OF
SATELLITE IN ORBIT AND POSITION OF ORBIT
RELATIVE TO EARTH.

EARTH TO SPACE SERVICE AREA-SAME AS ABOVE

CHARACTERISTICS

SPACE STATION TRANSMITTING ANTENNA-

GAIN- 1 DB RADIATION PATTERN

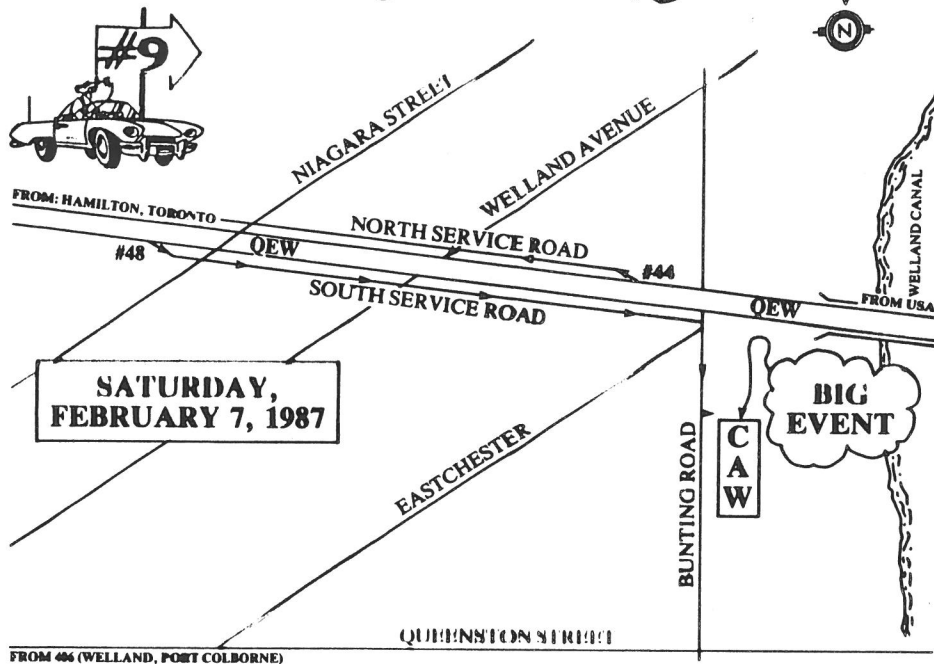
POLARIZATION- OMNIDIRECTIONAL; LINEAR

RECEIVING STATIONS (DEPENDS ON AVAILABLE FACILITIES)

MINIMUM GAIN- 1 TO 2 DB

NOISE TEMPERATURE- 1000 TO 15000 K (EQUIV.)

DIRECTIONS



**SATURDAY,
FEBRUARY 7, 1987**

From Toronto, Hamilton

Exit right off the QEW at Niagara Street, Exit No. 48, staying in the left lane under Niagara Street. Then you will move to the center lane till you pass Welland Avenue. Then you will move to the right lane till you come to Bunting Road. You will then turn right on Bunting and go for about one city block. You will see the C.A.W. Hall on your left. **LOTS OF PARKING**

From Fort Erie, Buffalo, USA

Exit right off the QEW after coming across the Skyway over the canal, Exit No. 44, at Niagara Street cut off. After exiting the QEW, stay in the left lane till Welland Avenue. Then, make a left under the QEW, stay in the left lane and make a left again onto the South Service Road. (So you're going from the North Service Road to the South Service Road). Carry on till you come to Bunting Road. Turn right and keep going for about one city block. You will see the C.A.W. Hall on your left. **LOTS OF PARKING.**

MONITOR — VE3VM
VE3NRS - 147.240/840
SIMPLEX - 146.520

VE3VM VE3NRS

NIAGARA PENINSULA
AMATEUR RADIO CLUB INC.
ANNOUNCES

BIG EVENT #9

SATURDAY, FEB. 7, 1987

TALK IN DIRECTIONS
VE3NRS - 147.240/840
SIMPLEX - 146.520

0800 hrs to 1400 hrs
Set-up at 0630 hrs

HOURLY
DOOR
PRIZES

CANADIAN AUTO WORKERS HALL
125 BUNTING RD., ST. CATHARINES

Lots of Parking - Indoor Displays
New and Used Parts and Equipment
Commercial Displays
Hot and Cold Refreshments will be served

Hamfest

8:00 a.m. to 2:00 p.m.

Table set up starts at 6:30 a.m.

Tables Entrance Fee
\$5.00 each **\$3.00 each**
(plus entrance fee)

Dealer Tables

\$10.00 each
(Maximum Four Tables)

Children under 12 free with adult

Advance registration on tables required by
JAN. 27th, 1987 (cut off date)

Payable by cheque or money order
to N.P.A.R.C. Inc.

DON'T DELAY RESERVE NOW

from:

N.P.A.R.C.

c/o Peter Mitroff, VE3DHW

8 Marsten Dr., St. Catharines, Ont. Canada L2N 3C7

Telephone: (416) 935-6732

Local Hotels and Motels will offer a
discount for overnight stay.

Dinner Dance

LIVE ENTERTAINMENT

Bar Opens at 6:30 p.m.

Family Style Dinner at 7:00 p.m.

Dancing at 9:00 p.m. til ???

Tickets for Dinner Dance
include a chance for
Grand Prize Draw

Tickets: **\$19.00 per person or
\$38.00 per couple**

First Come, First Served

Grand Prizes

First Prize

2 Meter Mobile Radio
Others to be announced at Hamfest

Draw will take place at Dinner Dance
Tickets for draw will be available at
Hamfest and Dinner Dance only

All proceeds from Hamfest for N.P.A.R.C. club projects

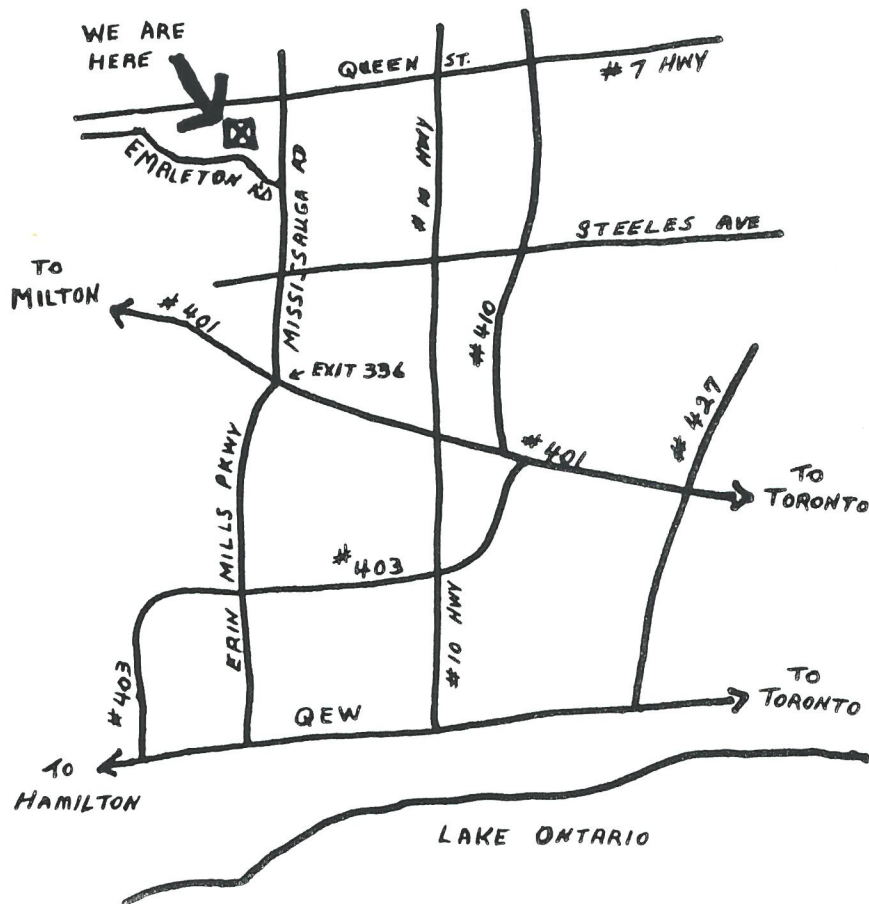


Reserve early. Don't be disappointed
LAST DATE FOR TABLES AND DINNER
JANUARY 27, 1987



FROM MISSISSAUGA ROAD AND 401, TRAVEL
NORTH ON MISSISSAUGA ROAD 6 KM TO EMBLETON AORD.
TURN LEFT, BEFORE BRIDGE ... TRAVEL 1 KM TO
SCHOOL ON RIGHT.

TALK VE3 PRC 146.880-600



THE PEEL AMATEUR RADIO CLUB INC.

FLEA MARKET

RADIO - COMPUTER - ELECTRONIC EQUIPMENT

SATURDAY, MARCH 7, 1987

TIMES: VENDORS SET UP 7:30 a.m. - 9:00 a.m.
GENERAL ADMISSION 9:00 a.m. Onward

ROOM FOR
100 VENDORS

HUTTONVILLE COMMUNITY CENTRE
EMBLETON RD. - WEST MISSISSAUGA RD.
BRAMPTON

ADMISSION: **\$3.00**

NO WEATHER PROBLEM - ALL SPACE INSIDE

COFFEE, SOFT DRINKS, SANDWICHES, ETC. WILL BE AVAILABLE

50/50 CASH DRAW

DOOR PRIZES

VENDORS: FLEA MARKET \$5.00/8' Table + Admission
COMMERCIAL VENDOR \$10.00/8' Table Admission Included
ALL TABLES SUPPLIED BY P.A.R.C.

ORDER SPACE EARLY FROM:

P.A.R.C. FLEA MARKET
18 GABLE PLACE
BRAMALEA, ONTARIO
L6S 1C1
BILL BOOTH VE3NXX - - - 792-7204

TALK IN VE3PRC 146.880-600