

Box 171
OSHAWA
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WE3CRK
DAY RALPH
454 HOLCAN AVE.,
OSHAWA, ONT.
L1G 5X6

September



SPARKS



The Official Organ of
THE NORTH SHORE AMATEUR RADIO CLUB, INCORPORATED.

OFFICERS & EXECUTIVE:

<u>PRESIDENT</u>	DOUG SMITH.....	VE3MKC.....	786-2086
<u>VICE-PRESIDENT</u>	RALPH DAY.....	VE3CRK.....	576-8738
<u>TREASURER</u>	MAC McFARLANE..	VE3XI.....	723-8484
<u>ASSISTANT TREASURER</u> ...	HANK VERWOERD..	VE3FHV.....	571-0863
<u>SECRETARY</u>	COLIN BELL.....	VE3CEU.....	723-7842
<u>REGISTRAR</u>	JOHN PLUISTER..	VE3FGL.....	655-4269
<u>EXECUTIVE ASSISTANT</u> ...	DON DEWEY.....	VE3GEN.....	668-0577
<u>GET-WELL-CARDS</u>	TED BRANT.....	VE3ADD.....	668-3561
<u>EDITOR</u>	EDDY SWYNAR....	VE3CUI.....	723-4326

--SEPTEMBER 1983--

CLUB STATION.....VE3NSR

CLUB REPEATER.....VE3OSH 147.72-MHz IN,
147.12-MHz OUT.

CLUB NETS....."2-METERS NET" each THURSDAY via VE3OSH
at 1930-local, Net Control VE3AAF;

..."10-METERS C.W. NET" SUNDAY at
0900-loc. *CANCELLED* .200-MHz
(+ Beacon Net Control VE3CUI;

..."10-METERS RAG CHEW S.S.B. NET" each
SUNDAY at 1000-local, 28.200-MHz
(+ Beacon QRM), Net Control

..."BARGAIN BASEMENT NET" each MONDAY via
VE3OSH at 1930-local, Net Control
VE3XI.

LAST MEETING ...

...was the annual Field Day meeting.

NEXT MEETING...Tuesday 13th SEPTEMBER 1983...

Monthly Club meetings are held at 2000-local, on the 2ND-TUESDAY of every month, in the cafeteria of O'NEILL COLLEGIATE, Simcoe Street North, OSHAWA (note that there are no Club meetings or Bulletins during the months of JULY and AUGUST).

Come kick-off the new season meeting new & old friends alike. If you know anybody interested in Ham Radio, now's the time to bring 'em along...

FROM THE EDITOR...

Welcome back one & all to "Part II" of the N.S.A.R.C. 1983 session...

Changes, changes, yet more changes; this issue of "Sparks" shall mark the beginning of the end of my tenure as Club Bulletin Editor. Not that it hasn't been fun, mind you, but I know my duties herein can not help but conflict with my upcoming duties as Father to Diane's & my first-born harmonic, expected sometime in the middle of October ("QRX, please, the 'Zulu Alpha Four' stations calling me---Junior's trying to bleed the linear's power supply caps again with his rattle....").

One can not do justice to both jobs simultaneously; besides, I'm sure that all the members of our Executive have secretly felt that way about my association on more than one occasion already anyway....who can stay on top of things what with shift-work & all? Yours truly has managed to attend a grand total of two---count 'em--- Exec meetings thus far in '83....

So, gang, there you have it, straight & simple. I sincerely hope you've found the past six issues of "Sparks" worthy of the time it took you to read them....here's hoping the last three will be even better.



-EDDY
VE3CUI.

GUEST EDITORIAL...

...is no more. Due to the brethern's overwhelming response to the irresistible allure of this open forum in the past, we continually found ourselves swamped with scores of pages forwarded by budding editors-to-be, and, consequently, short of time & space for all these to fit within the confines of this humble Bulletin (!!!).

In its stead, we begin this month the series "VE3IATopics", by none other than our own Tony Ward (IAT--of course). Welcome aboard, Tony, and sincere thanks for submitting more than mere promises to these pages of "Sparks"....

GROM'S PAGE...

Grommethead Schultz & Co. are still on vacation. Something about re-activating "VOL"-land for DXCC, but having troubles with the desk in Newington....see you next month.

FIELD DAY '83...

If Murphy's true to form, the official VE3NSR Field Day Results should be in my hands the day after this page passes into the printer's hands. Guess Summer was shorter than we realized, eh what? Meantime, feast your peepers on the pix enclosed. More to come next month (I hope).

ETCETERA'S...

...A reminder to those paid-up members not receiving "Sparks",
PLEASE drop a line to Paul Dale (VE3LHZ)---address etc. info in
March "Sparks"---to ensure that your "statistic vitae" is on-line
with Paul's addressing computer. Thanks.

...A very sad & final "73" to old friend Bill (VE3EWA) who became
a Silent Key this Summer.

...Congrats to Tony (VE3IAT), new Vice-President of "The Canadian
DX Association".

...What's new with you lately?....I've said it before, I'll say it
now, but I'll not say it ever again:

"THIS IS YOUR BULLETIN"...not mine. Next month I'm
going to run copy strictly
on what you the members

send me during the upcoming weeks. A Club/Bulletin is only as good/
fun/interesting/etc. as those individuals that comprise the whole;
so if "Sparks" looks a tad thin this coming October,....well, we'll
just wait & see.

\$HOP, \$WAP, & \$WINDLE...

Nothing up for grabs in the goody dept. this month, though
I think Mac (VE3XI) just might be approachable in the dummy load
trade.

Cleaning house after the good ol' Summertime? Fine. Drop me
a note outlining your wares, & I'll run it for you here for all to
see.....FREE, of course.

THE HAMILTON AMATEUR RADIO CLUB INC.



FLEA MARKET

SATURDAY, OCTOBER 8, 1983

TIMES: Vendors set-up 7:00 a.m. to 8:30 a.m.
General Admission .. 8:30 a.m. to 2:00 p.m.

AT THE C.N.I.B. AUDITORIUM
1686 Main Street West,
Hamilton
(SEE REVERSE FOR MAP)

ADMISSION: \$2.00

VENDORS: Additional \$2.00 per 4 ft. table (Tables provided
by H.A.R.C.)

Children up to 12 years admitted free.

NO WEATHER PROBLEM — ALL SPACE INSIDE.

Door prizes drawn hourly from 9:00 a.m. to 2:00 p.m.

Coffee, Soft Drinks and Sandwiches, etc. will also be available.

50-50 CASH DRAW

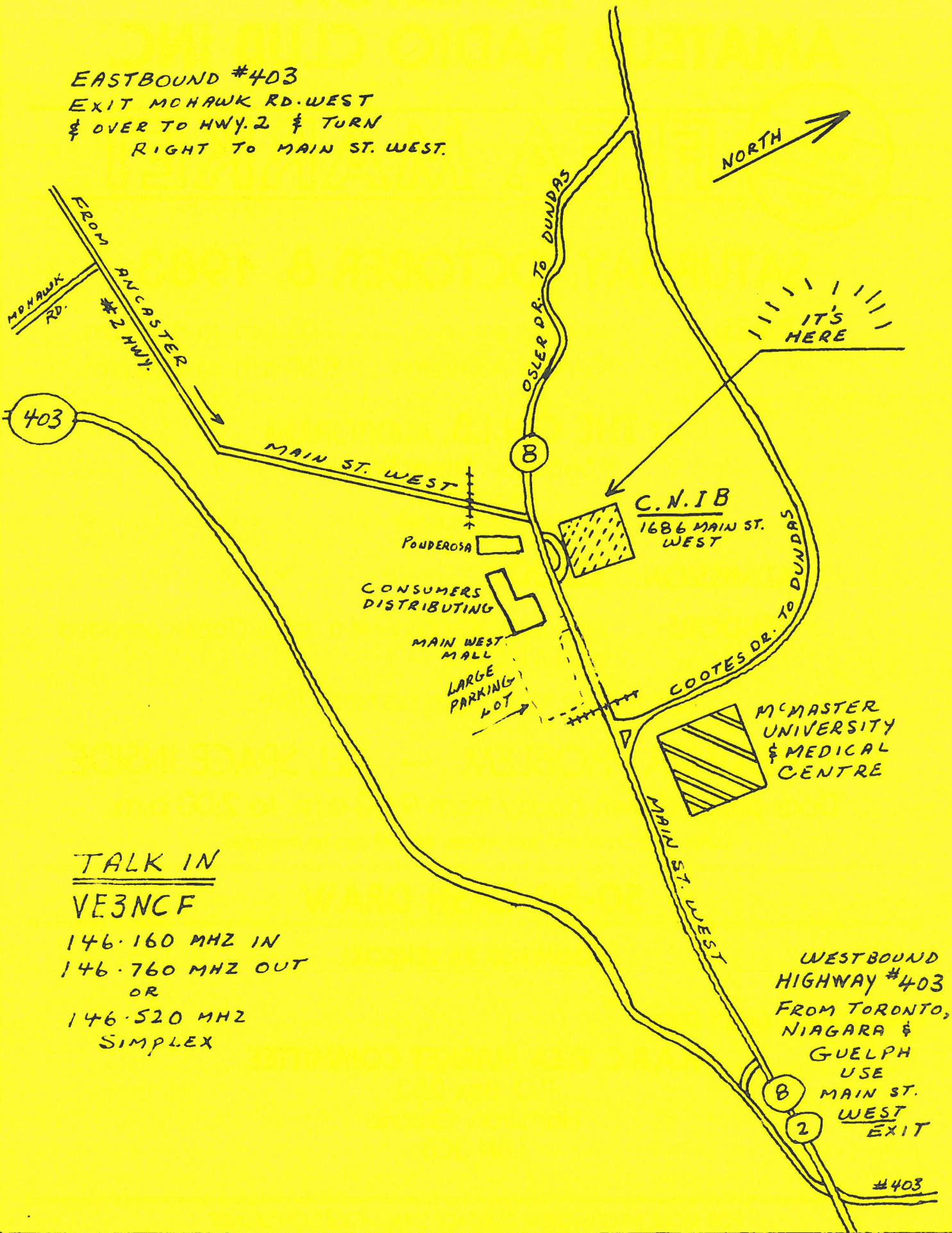
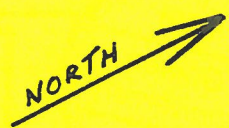
ROOM FOR 75 VENDORS

ORDER SPACE EARLY FROM:

H.A.R.C. FLEA MARKET COMMITTEE
P.O. Box 253,
Hamilton, Ontario
L8N 3C8

FOR MORE INFORMATION CONTACT STAN, VE3GFE ON VE3NCF.

EASTBOUND #403
 EXIT MOHAWK RD. WEST
 & OVER TO HWY. 2 & TURN
 RIGHT TO MAIN ST. WEST.



TALK IN
VE3NCF

146.160 MHZ IN
 146.760 MHZ OUT
 OR
 146.520 MHZ
 SIMPLEX

WESTBOUND
 HIGHWAY #403
 FROM TORONTO,
 NIAGARA &
 GUELPH
 USE
 MAIN ST.
 WEST
 EXIT

#403

- NORTH SHORE AMATEUR RADIO CLUB COMPUTER SURVEY -

=====

September 1983

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Please fill in the blanks with appropriate data. Response to this survey indicates that you have an interest in this area and would be interested in the formation of a computer group within the North Shore Amateur Radio Club.

Name: Call: Sex:

Street: PO Box: Apt:

City: Postal Code:

Phone:-.....-.....

I DO NOT presently own a computer, and am interested in:

Purchasing a computer [] - Make:
- Model:

Building a computer [] - Description:
.....

I DO own a computer already [] - Make:
- Model:
- Memory Size:
- Floppy Disk: number of drives?
8" - [] Make:
5" - [] Make:
- Hard Disk: [] Size: []
Make:
- Audio Cassette Tape: []
- Digital Cassette Tape: []

I have a Printer - []
Datacom 300 - [] Model 33 TTY - [] Model 35 TTY - []
Other:

I have a Terminal or Video Monitor - []
Vucom 1 (List 1) - [] Vucom 1 (List 2) - []
Other: Make - Size -
Colour -

I am an addict - I own more than one system! - []
Description:
.....

I have built some computer equipment: Kit - [] From Circuit - []

I have designed and built some of my equipment - []

I currently have Packet Radio: Working - []
Under construction - []
Future Project - []
Not interested - []

Operating System and Software:

Machine Language Monitor - []
ROM Basic - []
Disk Operating System - []
Assembler - []
word Processor - [] Name:
Speech Synthesizer - []
Amateur Radio (RTTY, CW & etc) - []
CP/M - [] OASIS - [] Other:

Present Proficiency Levels:

Can write: Simple machine language - []
More complex machine language - []
Difficult machine language - []
Assembly language - []
Simple Basic - []
More advanced Basic - []
Complex Basic - []
Other High Level languages - []
Names:
I am a Professional programmer - []
I am a computer engineer or technician - []
I understand Digital circuitry - []
I have taken a computer electronic course - []
My job involves computers - []

Please respond to the following as fully as possible on a separate sheet of paper:

1. State what you feel should be the Objectives of the Group:
2. Describe what you would prefer as program material for a Computer Group:
3. In what capacity are you willing to help?

Please mail responses to:

* Farncomb Le Gresley *
* R.R.#3 *
* NEWCASTLE, Ontario *
* Canada LOA IHO *

VE3IATopics

When I first made that great jump from SWL and BCB DXer to ham in 1976 it became painfully obvious that Tony Ward was never going to be able to recognize the difference between an electron and a digital capacitively coupled xylophone on a dark night. I listened with some trepidation to the old timers who staggered up my rather rolling and modest hill near Guelph and accepted with gradually increasing grace that if a REAL ham had to be a constructor of worthwhile electronic goodies then I would never be a real ham!

Well it turned out a little better than I at first feared because other ideas slowly filtered through the seemingly impenetrable haze of my non-technical brain and I discovered with a joy that has never left me that I was fascinated by antennas and by DX propagation and that I had a minor talent for their study. This combined with a totally inadequate supply of the funds needed to build the super-station that my DXer's ego demanded meant that there was only one route to go---roll your own!!! And, although the odd commercial tri-bander has decorated the stack since then, that has been the way it has been ever since; through a succession of home and DXpedition QTH's. I long ago gave up worrying about electrons and xylophones and sweat instead over wires and aluminum tubes and deep down inside where it counts some demented neuron keeps whispering that someday I may be a REAL ham.

The talented Elmers who tottered up the several hills I have inhabited over the past few years have left me with a number of basic concepts to share with you:

- 1) There is no such thing as having too many antennas.
- 2) Every antenna style ever invented does at least ONE thing well---although you may never find out what it is!
- 3) It follows that you should take your good sweet time in evaluating the performance of a new antenna.
- 4) In testing an antenna bear in mind what you designed it to do. Don't test a 20m DX antenna with a short-skip station!
- 5) The angle of arrival and departure of radiation at a properly matched antenna is probably the single most important factor determining its performance.
- 6) There is no automatic reciprocity between the performance of an antenna as a receive and as a transmitting antenna.
- 7) The aims of DXers and of the weekend ham in designing antennas are different and so often should be the antennas they erect.
- 8) It IS possible to hear and transmit well from a small city lot if you do it right (but it may be hell for the neighbours!).
- 9) Quads and yagis are better than each other.
- 10) If there WAS such a thing as the BEST antenna then (a) it would have been discovered by now and (b) life would be far duller than it is!
- 11) None of the rules above apply ALL the time.

I'll follow up these ideas and others as we stumble over them in the months to come.

73's,

Tony

