

The NORTH SHORE AMATEUR
RADIO CLUB INCORPORATED
P.O. Box 171
OSHAWA, Ontario L1H 7L1
Canada

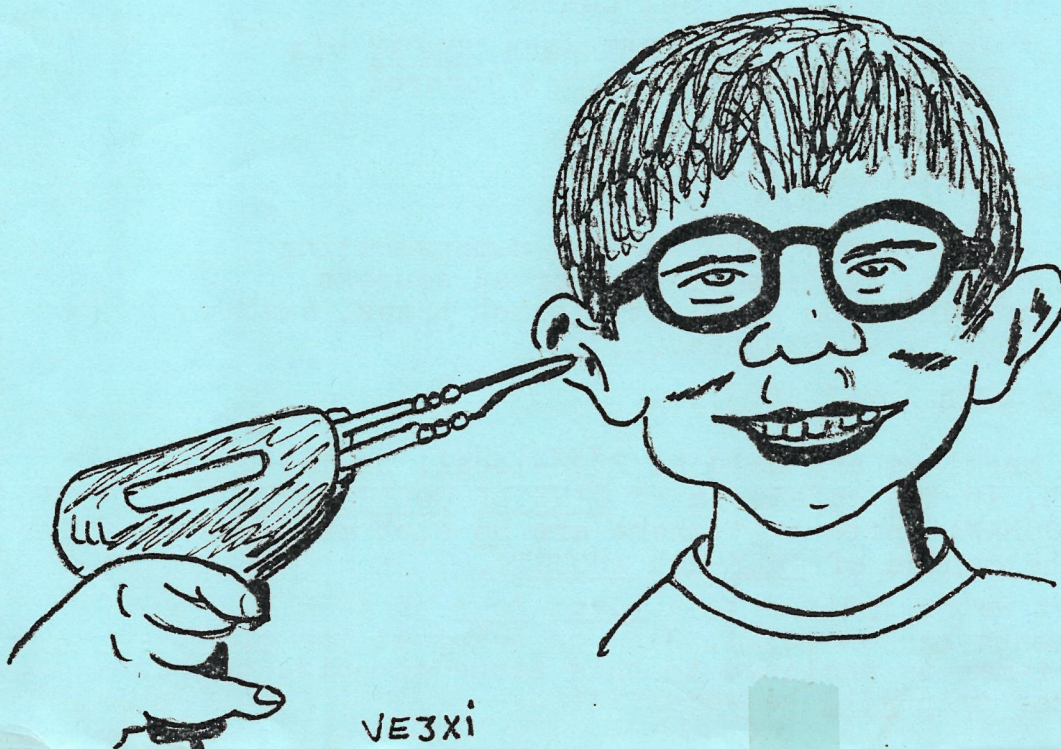
april



To:

VE3CRK
Ray Ralph
454 Holcan Ave.,
Oshawa, Ont.
L1G 5X6

FIRST
CLASS



VE3XI

NEXT MONTH
"HOME-BREW"

HINTS



SPARKS

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

OFFICERS & EXECUTIVE:

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

--APRIL 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" each SUNDAY at
0900-local (approx.), 28.200-MHz
(+ Beacon QRM), 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..The 8th of March saw Bernie (ATI) demonstrating packet radio to the brethren, replete with assorted squeeks, squeels, & whinnies emanating from his little black boxes. Really quite interesting to those in attendance....

NEXT MEETING *.Tuesday 12th April 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).

* This time out we're invited to a plant tour of ANDREW ANTENNA in Whitby, thanks to Don (GEN). Plan on being at the plant at 8:00 sharp---a mini-map is enclosed in this issue to guide the way. See you there, the trip will be worth it!

FROM THE EDITOR...

Let's drop the notion that the primary aim of Field Day '83 is "to have fun".....this is nothing more than a feeble excuse on our part designed to forgive ourselves for lacking the self-confidence needed when it comes to the science of communicating via radio "in the rough".

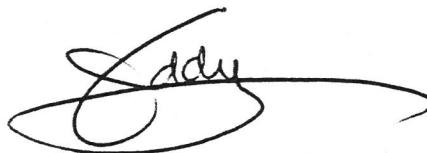
Eh, what? A Field Day without fun?! Utter nonsense. Maybe... ..but consider: the aim of this event is to contact as many stations as possible, in a given time, under less-than-ideal conditions. Believe it or not, Field Days exist to sharpen our skills in emergency situations. So where's the fun in that, you say?

It's simple: accomplishing the task of erecting three, maybe four, towers with the gang on a wet Friday night before the event---that's fun. Collectively pitching tents & setting-up operator positions---fun again. Getting on the air (at last!), bravely struggling to work through the pile-ups---even more fun.

The whole point is, the fun of Field Day comes in successfully meeting the challenges it presents to us as a Club & as individuals. The fun comes naturally, it's not artificial. Imagine all of us announcing in unison, "To-day, we shall have fun". Ridiculous, isn't it?

Corny, maybe, but as I see it, Field Day's a teacher & we as Amateurs are pupils. Dig-in & learn how to guy towers; discover for yourself the most efficient way to exchange contest info on the air, how to rack-up the QSOs; pit your stamina against the dreaded "graveyard shift" for extra tent points & be pleasantly surprised to find how energetic an OM like yourself really is.

That's the stuff memories are made of....that's the fun of Field Day.



-Eddy
VE3CUI

GUEST EDITORIAL...

At long last! A message in a bottle from someone out there in radioland. Jeeves, the envelope, please. To wit.....

* * * * *

Incredible though it may seem, a recent study by several Amateur Radio groups confirms this singular startling fact: the key to additional success in High Frequency (i.e. "short wave") operating lies within your own 2-meter FM transceiver.

How can this be, you ask? The evidence can not be ignored. By applying the principle espoused in this brief article, one now-famous W4 operator made the jump to DXCC Honour Roll in a scant twelve months; a VE1 chap worked DXCC/CW/QRPP in a mere 39 days; a fellow in Texas upped his code speed from 8 wpm to 30 wpm, all within 2 weeks.

Fantastic results, to be sure, yet these documented case histories merely cap a mass of reported newly-discovered h.f. opportunities hitherto unknown to many deserving recipients, who seemingly risked all in applying this little-known 2-meter FM technique.

Details are illustrated in the accompanying photograph (i.e. Figure-1). Try this method, and you too may well be amazed at how this particular application of your 2-meter FM rig can infinitely assist you in your travels down the road to successful h.f. operation.

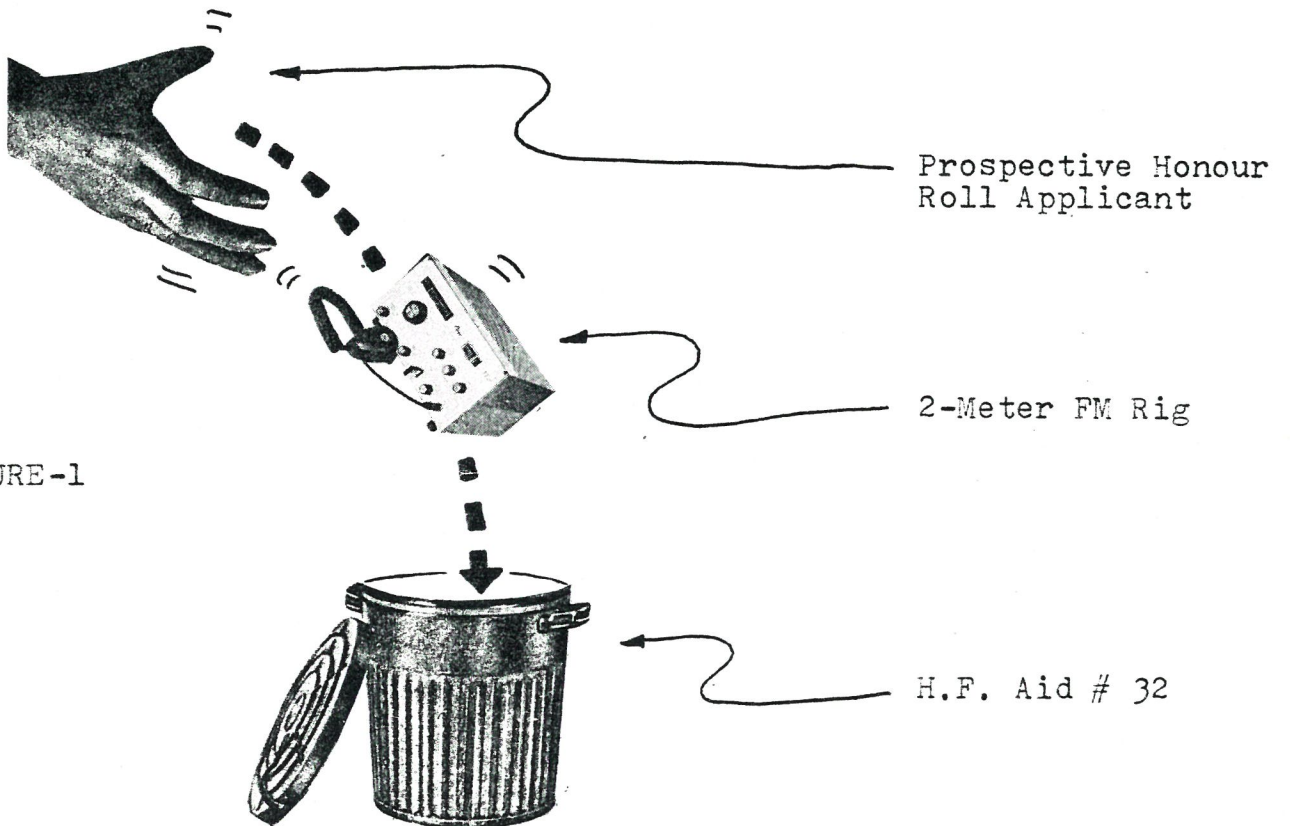


FIGURE-1

-Olaff Dunderhedt
LAØZY

1983 MEMBERSHIP LIST...

Add the following to last month's master list:

- VE3ALD...Don deMONTMORENCY...32 Washington St. Markham L3P 2R5....294-3136
- VE3ATT...Russ GRAY...32 Forest Rd. Ajax L1S 2N3.....683-8418
- VE3BYF...Ken CHAPMAN...46 Aldridge Ave. Toronto M4C 3W4.....698-9688
- VE3CUJ...Bill SCHOFIELD...37 Hawkesbury Dr. North York M2K 1M4....222-3637
- VE3DKZ...Fred THOMAS...GB-16 Box 9 RR#3 Bowmanville L1C 3K4.....723-5382

Note the following corrections to the list of March:
VE3ON lives in Ajax, not Pickering; VE3LUS telephone number is 623-6623.
Again, all Club members are asked to review the master membership

list for any possible omissions/corrections. Bulletin mailings as of this month are based exclusively upon the information listed therein, so if you're now reading these words from a borrowed issue of "Sparks", remember the old saying of "I hate to tell you this, but...." Hi Hi.

WHEN...

Some of the unusual activities of our ham pal Grommethead Schultz are almost believable. Others flop somewhat short of the credibility gap. November will always bring to mind, for example, the time he invited us over for Thanksgiving goose. His secondary hobby then, we recall, was taxidermy. Stuffed birds perched all over the place.

Grom showed off the new shack while his auto-range expertly roasted our dinner, a most aromatically appetizing procedure. Plenty of fresh rare QSLs on Schultz's walls, stuff we'd been stalking unsuccessfully for some time. This turned our chitchat to antennas, particularly since Grommethead's skyhook was nowhere in sight on the premises.

"No outside antennas allowed in this subdivision", explained Schultz, "but we make out okay."

"Oh, good old No. 40 wire in an invisible beam," we surmised.

"No chance," said Schultz. "The super comes through twice a week dragging heavy chains."

"Aha, an underground antenna," we concluded.

"Not exactly. Tried a deep one but QRM from Chinese commercials was rough. Here's what I'm using now, a sort of Marconi with zip. Stand back!"

Grom turned on the rig, counted to ten, listened on frequency briefly, and sent some Vs. You wouldn't believe it. Every time he pressed the key a shiny lance-like object shot up through a tiny hole in the floor and popped out through a similar hole in the ceiling. Every time he let up on the key the darned thing whizzed back and disappeared somewhere below. Two VU2s appeared on frequency and complained about QRM.

"I call it The Piston," said Grommethead, leading us down to the cellar. "Simple but effective."

Simple for Grommethead Schultz, maybe. In the basement we saw two huge flywheels whirring in opposite directions. With a test key Grom showed us how the flexible whip was flipped out by one wheel, retracted by the other, almost instantaneously. "Nice c.w. shaping when properly adjusted," he added.



-Reprinted from September, 1954, QST

Upstairs once more, the savory fowl with trimmings appeared before us on a table-setting conveyor unit. Delicious! We chomped thoughtfully.

"Say, Grom, isn't that thing kind of dangerous?"

"Yup," munched Schultz, passing the gravy. "But this roof is unclimbable. Haven't been able to do anything about the birds, though. Especially on 160. Messy." Our drumstick began to taste funny. Then somebody pounded furiously on the front door.

A large weatherbeaten rustic wearing a big bright star dashed in, grabbed Schultz in one huge paw and the goose in the other. "I was watchin' that flock pass over last night when another bird disappeared, out of season. Dunno how you do it, fella, but I'm runnin' you in!"

We bailed him out later and settled for an anchovy pizza. Grommethead Schultz stays on 6 and 10 meters now, spearing only an occasional sparrow.

-ROD NEWKIRK
W9BRD.

(Reprinted from the "HOW'S DX?" column of "QST" for November 1968)

BITS & PIECES...

"Ontars" update: GEORGE (GWH) advises that the 40-meter version thereof now meets daily from 9:00 am to 5:00 pm (7055-KHz, U.S.B.) FIELD DAY update: TONY (IAT) threatens 40-meter SSB chaos--contest-style--upon yours truly (same band, "bug"-style). Something about a 2-el. beam & crank-up tower. Hmm...could be interesting, line-up for FD recruits commences A.S.A.P. at the fore of BILL (MLW), FD manager 10-meter CW net update: 'KZO, 'MLW, 'NBV, & 'XI braved all odds & helped baptize this new baby on the 6th of the last. I know there were more monitoring....funny how the SSB-types are right on time & right there at 10:00 sharp, isn't it? HI BOB (LLZ) really getting his feet wet on "top band": one Yaesu rig + one Butternut vertical = 25% of the continental U.S.A. worked/confirmed à la 160-meters...so far, that is Soaking-up-the-sun Dept: Seems ex-Club member PETER (DFD) imbibed in the local clime & culture, VE3DFD/J73-style, during a short stint as electricity/electronics teacher at Dominica, W.I.; hopefully those who worked Pete on 20-meter SSB had the foresight to remind him that his Club dues are due....likewise for his QSL manager, ex-member BERT (DUS). Are you two guys coming out for FD this year, or not? White-caner DAVE (LEW) will be on the look-out for a sponsor (Advanced Amateur) should current sponsor DON (HYW) pull-up stakes & relocate; anyone interested can contact Dave via VE3OSH, or through the various Ontario phone nets Attention Ontario A.R.C.'s: this is the first N.S.A.R.C. Bulletin to be sent to our friends in other Clubs in a long, long time. More to come! Many thanks to those organizations that diligently forwarded copies of their Bulletins to Box 171 (available for reading during any of our Club meetings, by the way...just ask COLIN--'CEU--for the latest batch) and a very special greeting to BOB (HNH) former favourite son of the Motor City & now Secretary for the ST. CATHERINES gang. Congrats, OB!

THE ULTIMATE DUMMY (LOAD)...

The prime use and consideration of a dummy load is to provide as near a perfect load to the device being tested. Impedance of the load should be identical to the feedline and the output tank of the transmitter.

No high-power resistor or similar device can exactly meet this requirement.

Assume that you terminate a length of feedline (coax) with its own impedance ("Z"). The input end of the coax is "Z1", the open end of the coax is "Z1" (no change); and if we terminate this feedline in a matching impedance ("Z2") we have a perfect termination providing optimum power transfer.

The making of the "Ultimate Dummy" is simplicity itself. We take about 10-inches of RG-8/U, connect the ends by means of a UHF "tee" and connect it to the coax to the transmitter (see Figure-1).

Measurements tell the story. S.W.R. is entirely flat from 160- to 2-meters. Power capability is one kilowatt for up to one minute. As the power is dissipated, not radiated, the dummy load can get quite warm.

Simplicity and cost of this design can not be compared with any other dummy load. If everyone used it for tuning purposes, there would certainly be less QRM on the bands.

SCHROEDER'S "ULTIMATE DUMMY" (Refer to text for specifics).

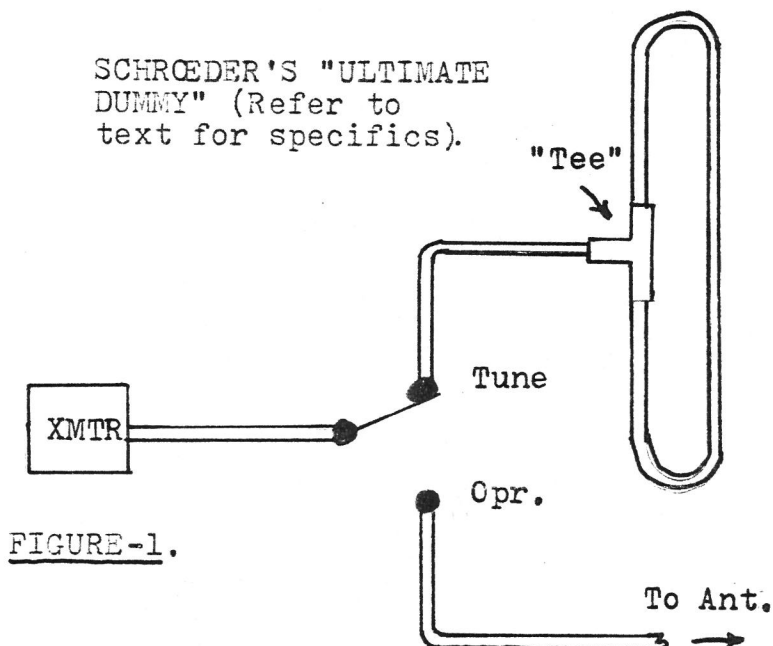


FIGURE-1.

-E.F. SCHROEDER
DJ7HS

(Partially reprinted from "QST" for April 1968, p. 47).

NOTHING'S THE SAME...

The following contribution seems mighty timely in light of an observation made recently by newly-inducted member FRED (DKZ) during one of our 10-meter gab sessions.

Just what exactly did Fred say? Hmm...I'll never tell. Tune-in on an upcoming N.S.A.R.C. 10-meter Rag Chew Net & find out for yourself, Jeeves! Meantime, to the presses.....

Everything is farther away than it used to be. It is twice as far to the corner, and they have added a hill. I have given up running

for the bus, it leaves faster than it used to.

It seems to me they are making steps steeper than in the old days; have you noticed the smaller print in the newspapers? There is no sense in asking anyone to read aloud, everyone speaks in such a low voice. The material in slacks is getting skimpy, too, especially around the waist and hips.

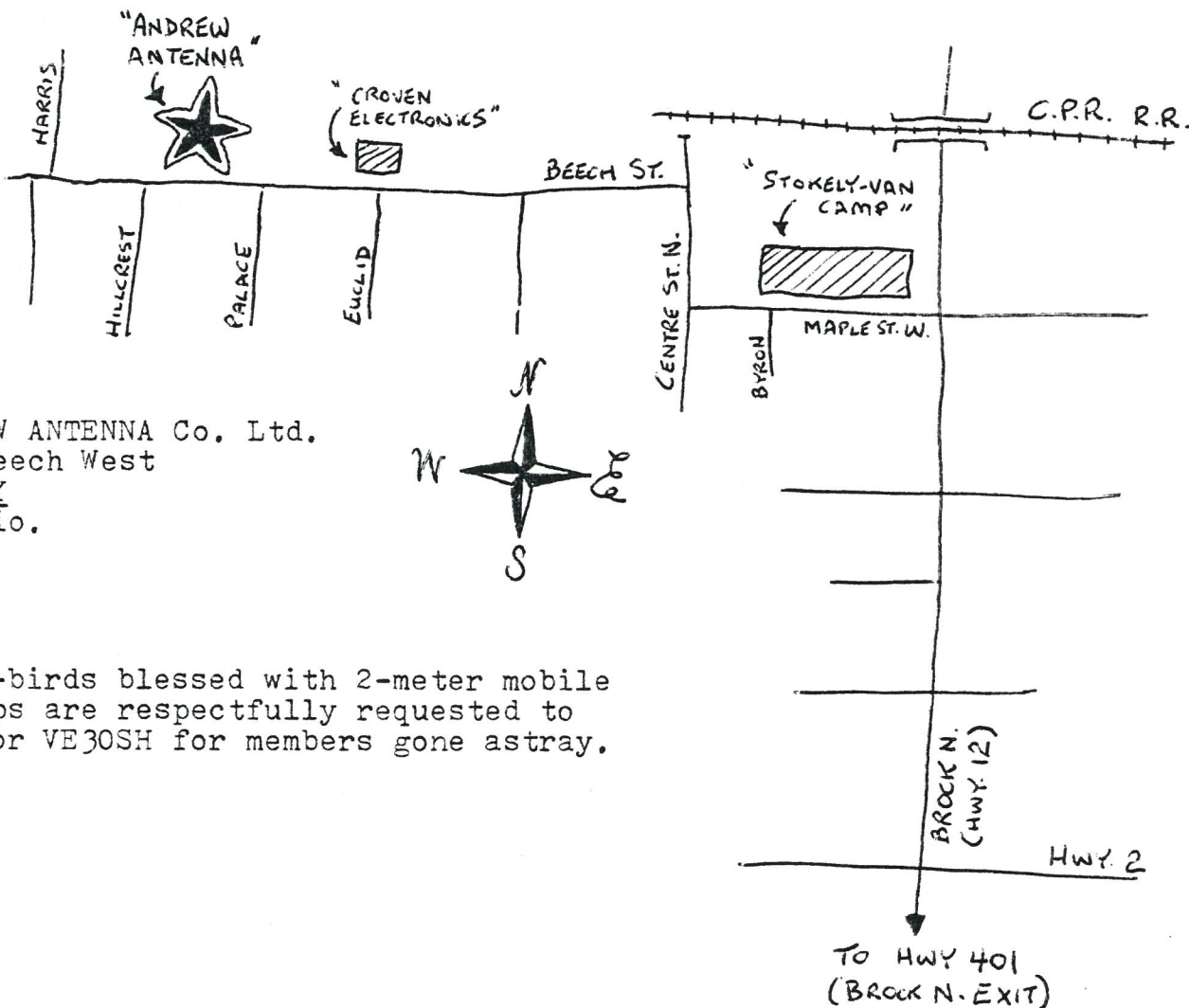
Even people are changing; they are so much younger than they used to be. On the other hand, people my age are so much older than I am. I ran into an old friend the other day and he had aged so much he didn't recognize me.

I got to thinking about the poor chap this morning, when I glanced at my reflection in the mirror, and confound it, they don't make mirrors like they used to either!!

-AUTHOR UNKNOWN
(Tnx MURIEL, VE3LQH).

HOW...

Directions to April's foray into the world of ANDREW ANTENNA are as follows:



ANDREW ANTENNA Co. Ltd.
606 Beech West
WHITBY
Ontario.

Early-birds blessed with 2-meter mobile set-ups are respectfully requested to monitor VE3OSH for members gone astray. Tnx.

--1983 MEMBERSHIP SURVEY--

Time again for the annual membership questionnaire, an N.S.A.R.C. exclusive that permits our newly elected & uncertain Execs to know more about the biggest uncertainty of all: you. One thing is for certain: by your completing this survey, we'll do much better in addressing, or "zeroing-in", if-you-will, those particular "problem" areas in our Club currently plaguing us.

Rest assured, this poll guarantees your complete anonymity, so put your mind at ease & ignore the minor printer's error at the bottom of this page (it means nothing, but just the same, please don't draw a line through it or fold it or staple it or mutilate it in any way). Thank-you!

For each of the following questions, please circle the letter preceding the response which best typifies how you feel:

- 1) Those Amateurs who perenially dwell upon the likes of VE3OSH, et al, to the exclusion of all other Ham Radio activities,
- a) are somewhat in error as to the concept of the "Compleat Ham";
 - b) should be keel-hauled by the first available VEØ;
 - c) would probably make good loading coils for 160-meter verticals on wet rainy days;
 - d) three of the above;
 - e) all of the above.
- 2) "I like h.f. DX'ing and all the good things that go with it." Would you say this statement is,
- a) True...?
 - b) False...?

(NOTE: If your response to question #2 is "b", please answer question #3; otherwise, go on to #4).

- 3) Which of the following three symbols do you immediately recognize? (circle one only):

a)



b)



c)



- 4) "I don't do any homebrewing because the parts are expensive and hard to get, and besides there's no re-sale value in homebrewed gear." Would you agree that the utterer of this blasphemy
- a) couldn't possibly belong to our Club;
 - b) probably thinks a soldering gun is some type of new Japanese 2-meter handheld;
 - c) is a misguided, self-righteous appliance operator whose favourite uncle works for D.O.C.;
 - d) one of the above;
 - e) probably three of the above.

/cont...



/cont...

- 5) Proficiency in c.w.-type operation has dwindled considerably of late. Whenever you fire-up the rig on the low ends of the bands, do you
- a) perspire profusely?
 - b) proceed to call "CQ" gamely, inspite of your innermost fears, confident in the knowledge that "practice makes perfect"?
 - c) hope that the back-order you recently placed for a new 12AT7 mic pre-amp tube arrives without undue delay?
 - d) "b" of the above?
 - e) "c" of the above?

(NOTE: If your response to question #5 was "c" or "e", go on to question #6. Otherwise, proceed immediately to #7).

- 6) Which of the following phrases frightens you the most?
- a) "Cut coax".
 - b) "Shorted antenna connection".
 - c) "Loose tower bolts".
 - d) "Dead Mackerel on an engine block".
 - e) All of the above.
- 7) "Ham Radio is great sport. It's educational, fun, and so diverse that there's a myriad of things to gainfully occupy any and all involved with it. Amateur Radio operators themselves are good sports, too, and as such, take no offence whatsoever when confronted with silly questionnaires of this type." Do you agree that this statement is
- a) True...?
 - b) The above...?
 - c) Two of the above...?

That's it, gang! Thanks again for your time & help in filling this out, and for corn's sake, don't sign this form (and don't forget what we said earlier about that printer's error, either).

You'll be hearing from us....

-The EXECS.

\$WAP, \$HOP, ETC...

Not too much up for grabs this month...guess all the wheeler-dealers are planning to converge upon Ajax on the 9th. At any rate.....

FOR SALE---DUMMY LOADS (the good kind) 160 thru 10-meters at 200-watts+, ea. \$18.00 or 2/\$30.00. MAC (XI) 723-8484.

WANTED----Still looking for a NET CONTROLLER to rule-the-roost of our Sunday morning SSB party-line. Experience not necessary, you'll learn quickly. Contact the Execs.

REMINDER--Under no circumstances should you forget the FLEA MARKET in Ajax on the 9th of April; this is a genuine FB event, on par with the "best-of-the-rest" in VE3-land. See you there...?