

**NORTH HORE AMATEUR RADIO CLUB INC.**

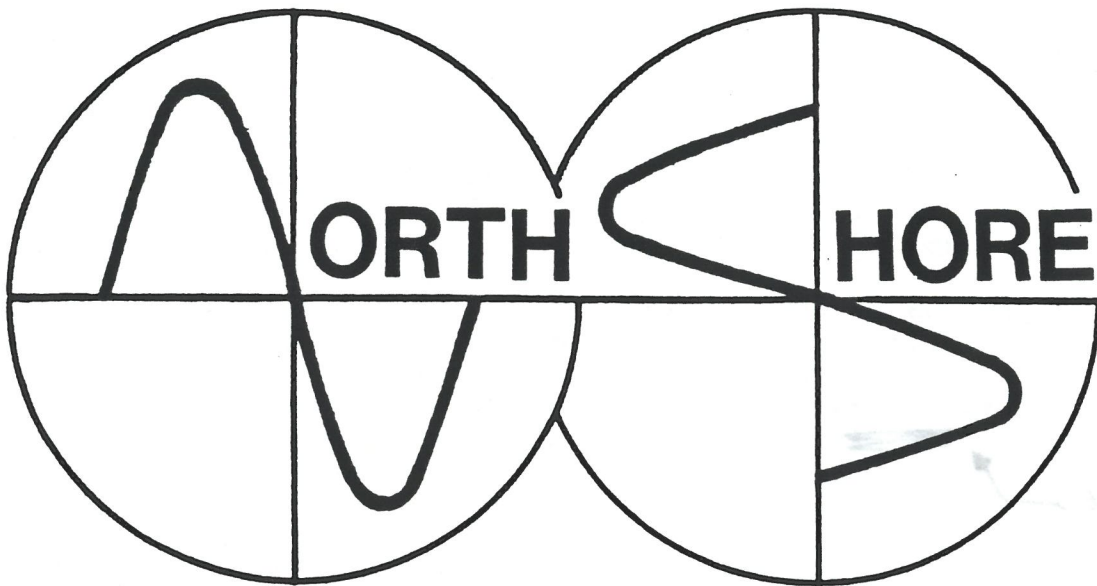
P.O. BOX # 171, OSHAWA, QNT., L1H 7L1

**First Class Première classe**

VE3CRK

87

Ralph Day  
454 Holcan Ave  
Oshawa Ont. L1G 5X6



**AMATEUR RADIO  
CLUB**

OSHAWA ONT L1H 7L1  
NOV 87  
36 CANADA  
POSTAGE BY FIRST CLASS MAIL PERMIT NO. 1000 OSHAWA ONT L1H 7L1

## ===== ELECTED DIRECTORS =====

PRESIDENT	RICK GIBSON	VE3 ASH	416-434-2886
SECRETARY	FRANK LANE	VE3 NIP	416-434-6657
TREASURER	COLIN BELL	VE3 CEU	416-723-7842
PROGRAM DIRECTOR	KEITH MAITLAND	VE3 DZM	416-725-1041
PAST/VICE PRESIDENT	RENO TORRESAN	VE3 KQE	416-668-8760

## ===== NON-ELECTED OFFICERS (SUBJECT TO CHANGES) =====

REGISTRAR	KEITH WYARD-SCOTT	VE3 GDF	416-723-5758
SPECIAL EVENTS COORD.	RALPH DAY	VE3 CRK	416-723-8738
GET-WELL CARDS	COLIN BELL	VE3 CEU	416-723-7842
2-METER NET CONTROL	ROY MILLER	VE3 AAF	416-852-5447
MEMBERSHIP LIST & LABELS	PAUL DALE	VE3 LHZ	416-579-2877
FINANCIAL AUDITOR	HARRY WESTWOOD	VE3 QG	416-683-5104
INSTRUCTION COORDINATOR	JOE WHITE	VE3 IHS	416-623-4069

=====

CLUB STATION.....VE3 NSR  
 CLUB REPEATER.....VE3 OSH 147.720 MHZ IN 147.120 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) USUALLY HOSTED BY RAY (OUB)- A GROUP OF 6 TO 10 LOCAL HAMS MEET SUNDAYS ON 28.200 MHZ USING CW FROM 09: TO 10:00 LOCAL THEN SWITCH TO SSB PHONE UNTIL EXHAUSTED OR XYL CALLS "DINNER".

## ===== CONTRIBUTIONS TO NEWSLETTER =====

EDITORS-	KEITH WYARD-SCOTT	VE3 GDF	416-723-5758
	RAY ZAMBONELLI	VE3 OUB	416-723-2467
	LARRY MCKNIGHT	VE3 ASB	416-427-0893

CONTRIBUTIONS MAY BE MAILED (ATTENTION 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, OF NECESSITY, REFLECT THOSE OF N.S.A.R.C. MEMBERS IN GENERAL. ARTICLES DEEMED TO BE DEFAMATORY WILL NOT BE ACCEPTED.

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NEXT MEETING - ~~TUESDAY~~ MONDAY, NOVEMBER 9, 1987 AT 20:00 LOCAL (8:00 P.M.) IN THE GREEN ROOM OF THE ARTS RESOURCE CENTRE (BEHIND CITY HALL- CENTRE STREET SOUTH- SEE ENCLOSED MAP ON PAGE 7)

PROGRAM-FARNEY LEGRESLEY WILL GIVE US A DEMONSTRATION OF LORAN-C AND TALK ABOUT ELECTRONIC NAVIGATION.

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 APOLOGIES TO ALL RADIO CLUBS  
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YOU MAY FIND IN GOING THROUGH THIS BULLETIN THAT YOU HAVE READ SOME OF THE ARTICLES IN YOUR OWN BULLETIN OR IN ANOTHER CLUB'S BULLETIN AND THERE IS NO ACKNOWLEDGEMENT OF THE SOURCE EXCEPT AS 'UNKNOWN BULLETIN'; PLEASE EXCEPT MY APOLOGIES AND THE FOLLOWING EXPLANATION. DUE TO A SHORTAGE OF AVAILABLE TIME IN WHICH TO STEAL NEWS FROM OTHER BULLETINS (NECESSITATED BY THE DEARTH OF ARTICLES COMING IN FROM THE MORE LEARNED OF MY OWN CLUB MEMBERS), I ASKED A FRIEND TO PERUSE THE BULLETINS WITH AN EYE TO INTERESTING FACTS AND AMUSING TID-BITS. HE DID A FINE JOB BUT, IN SO DOING, HE CUT THEM OUT INSTEAD OF JUST POINTING THEM OUT AND I NOW HAVE NO WAY TO RELATE THEM TO THE APPROPRIATE BULLETIN TO GIVE CREDIT WHERE CREDIT IS DUE.

THEREFORE, ANYONE WHO WROTE ANYTHING ABOUT ANY ARTICLE APPEARING IN THIS ISSUE OF THE N.S.A.R.C. BULLETIN PLEASE TAKE CREDIT, IT'S DUE.

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 RAVENSCROFT APPEALS  
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THE JACK RAVENSCROFT (VE3SR) CASE APPEAL HAS BEEN BASED ON LEGAL ARGUMENTS RATHER THAN THE TECHNICAL ONES THAT WERE BROUGHT OUT IN THE ORIGINAL HEARINGS. SOME OF THE LEGALITIES MENTIONED ARE THAT JACK'S CONDUCT DID NOT CONSTITUTE OBJECTIONABLE NUISANCE SINCE THE PLAINTIFF HAD REJECTED HELP THAT MIGHT HAVE SOLVED HIS PROBLEMS WHICH WERE CLEARLY SHOWN TO BELONG TO THE PLAINTIFF'S NOT JACK'S EQUIPMENT, AND THAT THE REGULATION OF THE RADIO BANDS IS A FEDERAL FUNCTION AND THE PROVINCIAL COURT DECISION INFRINGED ON THAT FUNCTION AND WAS THEREFORE UNCONSTITUTIONAL.

BY THE TIME YOU READ THIS, IT IS LIKELY THAT THE APPEAL WILL HAVE BEEN HEARD AND A DECISION HANDED DOWN. BE THAT AS IT MAY, IT WILL NOT OF COURSE, END THERE AS THERE HAVE BEEN SOME BOATS ROCKED AND SOME PONDS MUDDIED. THERE ARE RUMOURS ABOUT THE PLAINTIFFS SEEKING HELP IN THEIR FUNDING FROM THE NON-RADIO CONSUMER ELECTRONIC EQUIPMENT MANUFACTURERS AND, IF THIS IS THE CASE, HELP MIGHT WELL BE FORTHCOMING AND THE DEFENCE FUND PROVE INSUFFICIENT. CONTRIBUTIONS MAY STILL BE MAILED TO -- THE JACK RAVENSCROFT DEFENCE FUND, BOX 8873, OTTAWA, ONTARIO, L1G 3J2. (FROM CRRL VIA UNKNOWN BULLETIN)

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 FUTURE BRIGHTER? (FROM THE SAME UNKNOWN BULLETIN)  
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A POSSIBLE PLUS IN THE RAVENSCROFT CASE, WHILE NOT DIRECTLY IN THE FIGHT, IS NON-THE-LESS GOING TO AFFECT FUTURE CASES OF THE TYPE IN WHICH JACK IS INVOLVED; THE RADIO ADVISORY BOARD OF CANADA HAS APPROVED A SET OF RECOMMENDATIONS WHICH, IF IMPLEMENTED, WOULD GIVE THE MINISTER OF COMMUNICATIONS THE POWER TO HAVE MANUFACTURERS OF NON-RADIO EQUIPMENT REPAIR OR REPLACE, WITHOUT CHARGE, ANY SUCH EQUIPMENT WHICH MALFUNCTIONS IN AN RF FIELD. THERE WERE, APPARENTLY, NO VOTES AGAINST THE RECOMMENDATIONS WHICH WILL BE (OR HAVE BEEN-ED) FORWARDED TO THE MINISTER FOR HER (HOPEFULLY) EARLY APPROVAL.

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 FROUD'S LAW (ALSO FROM AN UNKNOWN BULLETIN)  
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A TRANSISTER PROTECTED BY A FAST ACTING FUSE WILL PROTECT THE FUSE BY BLOWING FIRST.

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## GLORY BE! AN EDITORIAL

YOUR EDITOR, WHILE BUSY PLAGIARISING THE ARTICLES ON THE JACK RAVENSCROFT CASE, GAVE A LITTLE THOUGHT TO THE LICENSE THAT WE ALL HAVE SOMEWHERE IN OUR SHACKS. IT CLEARLY STATES THAT WE ARE LICENSED TO OPERATE AN AMATEUR EXPERIMENTAL STATION AND I COULDN'T HELP WONDER HOW MANY OF THE HAMS OF TODAY ARE ACTIVELY ENGAGED IN ANY TYPE OF RADIO EXPERIMENTATION BEYOND THAT OF GETTING THEIR RIG UP AND RUNNING FOR THE FIRST TIME.

I RECALLED THAT I, PERSONALLY, HAD ORIGINALLY BECOME INTERESTED IN 'PLAYING WITH CIRCUITS' AND MY FIRST TRY TURNED INTO A SMALL BUT DEFINITE DISASTER. I HAD JUST PURCHASED MY FIRST HOME AND HAD NO GREAT AMOUNT OF FINANCIAL FREEDOM SO THE COST OF FOUR OR FIVE 117L7'S AT \$5.50 A SHOT (IN 1954) CONVINCED ME THAT I WAS NOT TO FOLLOW TOO CLOSELY IN THE FOOTSTEPS OF MARCONI.

I ALSO RECALL THAT AT THAT TIME THERE WERE A FEW OF THE CLUB MEMBERS WHO HAD ABANDONED THEIR HAND-CRAFTED RIGS FOR ONE OF THE HIGH-TECH KITS FROM HEATH OR KNIGHT WHICH WERE MARKETING RELATIVELY SIMPLE KITS THAT PERFORMED RATHER WELL FOR THE TIMES. THE AVAILABILITY OF THESE KITS AND THE RELATIVE AFFLUENCE OF THE NEXT THREE DECADES SEEMS TO HAVE ERODED THE URGE OF AMATEURS TO EXPERIMENT AND THEREFORE ERODED THE BASIS ON WHICH THE AMATEUR BANDS WERE ORIGINALLY ALLOCATED.

I DO NOT WISH TO BELITTLE THE CONTRIBUTION MADE BY AMATEUR RADIO IN THE AREA OF PROVIDING OUR COUNTRY WITH AN EMERGENCY COMMUNICATIONS CAPABILITY, BUT, IT SEEMS TO ME THAT IF THAT IS THE MAIN AREA IN WHICH WE AS AMATEURS CAN CONTRIBUTE, THERE ARE GOING TO BE MORE AND MORE JACK RAVENSCROFT CASES AND LESS AND LESS FAVOURABLE RESULTS BEING SET DOWN. AFTER ALL, THE GRS BOYS CAN ALSO COMMUNICATE AND THEY CAN ALSO BUY THE MORE EXPENSIVE EQUIPMENT; ALL THEY LACK IS A LICENSE AND THE ABILITY TO REPAIR THEIR EQUIPMENT AND I KNOW A FEW OF US COULD NOT MAKE THE NECESSARY REPAIRS TO OUR EQUIPMENT IF IT FAILED IN THE FIELD.

PERHAPS WE SHOULD BE PLACING LESS EFFORT INTO PRODUCING AMATEUR RADIO OPERATORS AND MORE INTO PRODUCING AMATEUR RADIO EXPERIMENTERS.

## A BREED APART

DID YOU KNOW THAT HAMS, UNLIKE THE GENERAL PUBLIC, HAVE VERY STRINGENT RULES FOR COURTING? THE SARC NEWS HAS CONDENSED THEM AS FOLLOWS:

IF SHE WANTS A DATE-----METER  
 IF SHE'S TOO FAT-----CONDENSER  
 IF SHE'S HUNGRY -----FEEDER  
 IF SHE'S AN ANGEL-----TRANSFORMER  
 IF SHE'S COLD-----INSULATOR  
 IF SHE'S BORED-----EXCITER  
 IF SHE WANTS TO MARRY----RESISTOR  
 IF SHE'S A DEVIL-----CONVERTER  
 IF SHE'S TIRED -----TAKE HER OHM

## UNDERSTAND?

ALBERT EINSTEIN SAID THAT THE MOST INCOMPREHENSIBLE THING ABOUT THE WORLD IS THAT IT IS COMPREHENSIBLE.  
 (HE ALSO CONFUSED ME WITH HIS THEORY OF RELATIVITY-WHOSE RELATIVES?-ED)

ALMOST PZRFZCT-(SUBMITTED BY LARRY (ASB) FROM TED SPARROW'S BBS (BON))

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IS ALMOST PZRFZCT GOOD ZNOUGH?

ZVZN THOUGH THIS KZYBOARD WORKS QUITZ WZLL ZXCZPT FOR ONZ KZY. IT HAS WISHZD MANY TIMZS THAT IT WORKZD PZRFZCTLY. IT IS TRUZ THAT THZRZ ARZ SIXTY ONZ KZYS THAT DO FUNCTION WZLL ZNOUGH, BUT JUST ONZ KZY NOT WORKING MAKZS ALL THZ DIFFZRZNCZ.

A CLUB CAN BE LIKZ THIS KZYBOARD--WITHOUT ALL PZOPLZ WORKING PROPZRLY.

YOU MAY SAY TO YOURSZLF "WZLL, I'M ONLY ONZ PZRSON. I WON'T MAKZ OR BRZAK A PROJZCT." BUT IT DOZS MAKZ A DIFFZRZNCZ BZCAUSZ ANY PROJZCT, TO BZ ZFFZCTIVZ, NZZDZS THZ PARTICIPATION. THZ NZXT TIMZ YOU THINK THAT YOU, OR ANY OTHZR WZMBZR, ARZ ONLY ONZ PZRSON AND THAT YOUR ZFFORTS ARZ NOT NZZDZD. RZMZMBZR THIS KZBOARD AND SAY TO YOURSZLF, "I AM A KZY PZRSON IN THIS CLUB AND I AM NZZDZD VZRY MUCH." ANON.

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STUCK ON PC BOARDS?  
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HAVE YOU EVER WONDERED HOW TO GET THAT LAYOUT FOR THE PC BOARD FROM THE MAGAZINE PAGE TO THE BOARD FOR ETCHING WHEN YOU DON'T HAVE A CAMERA OR ENLARGER CAPABLE OF GIVING YOU THAT ALL-IMPORTANT FULL-SIZE TRANSPARENCY. WELL, I HAVE AND I MUST SAY THAT IT HAS DETERRED ME FROM TRYING TO BUILD SOME OTHERWISE VERY INTERESTING PROJECTS.

I HAVE RECENTLY HEARD A COUPLE OF VERY PROMISING SOLUTIONS AND I AM OFFERING THEM HERE FOR WHATEVER THEY ARE WORTH.

THE FIRST APPEARS THE SIMPLEST AND INVOLVES GETTING A COPY OF THE LAYOUT ON A TRANSPARENCY (FLIMSY) FOR AN OVERHEAD PROJECTOR SUCH AS USED IN MOST BOARDROOMS (NO PUN INTENDED) AND CLASSROOMS. THE TRANSPARENCY IS PLACED INK SIDE DOWN DIRECTLY ONTO THE COPPER-CLAD AND IRONED (I ASSUME A HOUSEHOLD IRON SO IT MIGHT BE AN IDEA TO BUY AN OLD OR INEXPENSIVE ONE RATHER THAN TAKE A CHANCE ON THE XYL'S) WITH SUFFICIENT HEAT TO REMELT THE INK AND NOT THE TRANSPARENCY. THE INK WILL APPARENTLY ACT AS THE RESIST WHEN ETCHING.

THE SECOND METHOD IS A LITTLE MORE COMPLICATED AND TIME CONSUMING BUT IT MAY WORK BETTER (IT WAS GLEANED FROM AN UNKNOWN BULLETIN HAVING BEEN SUBMITTED BY GORD (VE3AKK) WHO GOT IT FROM HIS '#1 SON' VE3LFO)

1. GET A GOOD XEROX OF THE LAYOUT.
  2. GET CLEAR MAC-TAC AND APPLY TO COPY, IRON XEROX TO MAC-TAC USING MEDIUM HEAT AND 'LOTS' OF PRESSURE.
  3. SOAK IN WARM WATER FOR A FEW MINUTES, PLACE ON A CLEAN FLAT SURFACE AND GENTLY RUB THE WET PAPER OFF THE MAC-TAC LEAVING THE INK ON THE MAC-TAC. ALLOW TO DRY AND PROTECT BY ADDING ANOTHER PIECE OF MAC-TAC (STICKY SIDE TO STICKY SIDE) AND YOU HAVE YOUR POSITIVE FOR YOUR PHOTO-RESIST
  4. PLACE POSITIVE ON SENSITIZED (I ASSUME THIS MEANS COVERED WITH PHOTO-RESIST) BOARD UNDER A PIECE OF GLASS, EXPOSE TO ULTRA-VIOLET RAYS OF A SUN LAMP FOR APPROXIMATELY 10 MINUTES AT A DISTANCE OF 10 INCHES. REMOVE AND DEVELOP.
  5. FOR DEVELOPER MIX 1 TEASPOON GILLETTE'S LYE IN 48 OUNCES OF WATER.---USE EXTREME CAUTION!---RUBBER GLOVES AND EYE PROTECTION. STORE IN A GLASS JAR OUT OF THE REACH OF CHILDREN. IMMERSE BOARD IN SOLUTION AND WATCH CLOSELY. AT APPROPRIATE TIME REMOVE AND RINSE IN CLEAR WATER.
  6. ETCH UNTIL CIRCUIT TRACES ARE CLEAN. IF USING FERRIC CHLORIDE TO ETCH, FASTER RESULTS ARE PRODUCED BY FLOATING BOARD FACE DOWN ON SURFACE.
  7. CLEAN BOARD WITH STEEL WOOL BEFORE SOLDERING.
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FLEE TO NEWMARKET

THE YORK REGION ARC INVITES YOU TO ATTEND THE ELEVENTH EDITION OF THE NEWMARKET FLEAMARKET ON SATURDAY, NOVEMBER 14, 1987 AS ONE OF THE PREMIER EVENTS ON THE AMATEUR CALENDAR ENTERS ITS SECOND DECADE. THE LOCATION IS ONCE AGAIN THE HURON HEIGHTS SECONDARY SCHOOL IN NEWMARKET.

THE EVENT WILL RUN FROM 09:00 TO 15:00 WITH DOORS OPEN TO THE GENERAL PUBLIC AT \$3.00 PER PERSON (CHILDREN 12 AND UNDER ACCOMPANIED BY A TICKET HOLDER ADMITTED FREE). THE PRICE OF ADMISSION INCLUDES THE CHANCE TO WIN SOME OF THE DOOR PRIZES FOR WHICH THERE ARE HOURLY DRAWS.

VENDORS MAY HAVE ACCESS TO THE SITE COMMENCING AT 0630. TABLE RENTAL IS \$5.00 PER TABLE AND ADMISSION IS \$3.00 PER PERSON. AS THE TABLES MUST BE BROUGHT INTO THE SITE, IT IS IMPERATIVE THAT RESERVATIONS FOR TABLES BE MADE AS EARLY AS POSSIBLE.

FOR RESERVATIONS CONTACT-- GEOFFREY SMITH (VE3KCE)  
7 JOHNSON ROAD,  
AURORA, ONTARIO,  
L4G 2A3

OR PHONE (416) 727 6672 (AFTER 1900)

REFRESHMENTS WILL BE AVAILABLE AT THE SITE.

TALK-IN ON LOCAL REPEATER VE3YRC  
OUTPUT 147.225 MHZ  
INPUT 147.825 MHZ

NOTE!!!!

THE YORK REGION BOARD OF EDUCATION HAS A NO-SMOKING POLICY FOR ALL OF ITS SCHOOLS SO THOSE PLANNING TO ATTEND ARE WARNED IN ADVANCE THAT ALL SMOKING MUST BE DONE OUTSIDE.

DO WE HAVE THE BEST EXECUTIVE?

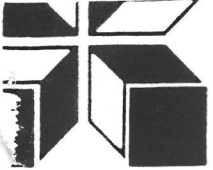
WHETHER YOU THINK WE HAVE OR NOT IS NOT REALLY THE REASON FOR THIS NOTICE BUT RATHER TO REMIND YOU THAT THEIR TERM OF OFFICE IS RAPIDLY COMING TO A CLOSE AND THAT OUR CONSTITUTION AND BY-LAWS REQUIRE THAT WE HOLD ANNUAL ELECTIONS FOR OUR DIRECTORS AND THAT THE MOST DEMOCRATIC ELECTIONS ARE THE RESULT OF HAVING MORE THAN ONE NOMINEE FOR EACH OFFICE.

SOME MEMBERS MAY NOT YET HAVE HEARD THAT KEITH (DZM) IS CURRENTLY MAKING ARRANGEMENTS TO EMIGRATE TO VE6 LAND LEAVING AT LEAST ONE EMPTY POSITION ON OUR BOARD OF DIRECTORS, AND I AM SURE THAT ONE OR TWO OTHER MEMBERS WISH TO STEP DOWN AFTER A STINT ON THE BOARD.

USE THE FOLLOWING FORM TO NOMINATE NEW MEMBERS PRIOR TO THE REGULAR NOMINATING MEETING IN DECEMBER (OR AFTER IF NECESSARY)

-----<-----<-----<-----CUT ALONG THIS LINE----->----->----->-----  
NOMINATION FORM FOR N.S.A.R.C. FOR 1988 BOARD OF DIRECTORS (1988)

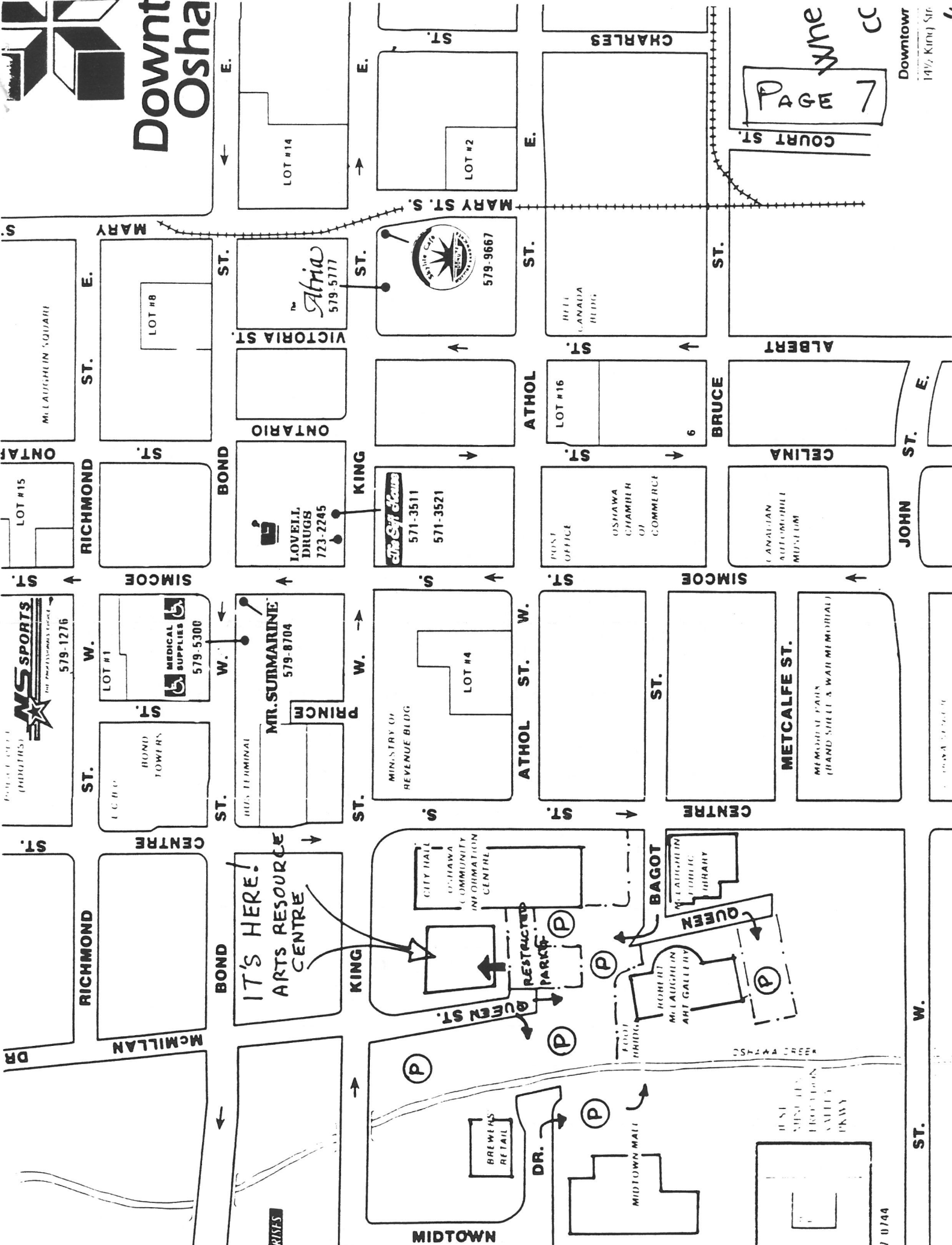
I, \_\_\_\_\_, BEING A FULL MEMBER IN GOOD STANDING OF THE N.S.A.R.C., DO HEREBY NOMINATE \_\_\_\_\_ FOR THE 1988 BOARD OF DIRECTORS OF N.S.A.R.C. I HAVE ASCERTAINED THAT HE INTENDS TO CONTINUE TO BE A MEMBER FOR 1988 AND IS WILLING TO SERVE IF ELECTED. SIGNED \_\_\_\_\_, DATE \_\_\_\_\_



# Downtown Osha

Downtown  
14 1/2 King St  
/

PAGE 7  
Wme CC



IT'S HERE!  
ARTS RESOURCE  
CENTRE

MIDTOWN

27 0744

S(ome) W(ant) A(11) P(eruse)

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THIS IS YOUR SWAP, SELL OR BUY COLUMN --TO HAVE AN ARTICLE LISTED,  
JUST MAIL INFORMATION TO THE EDITOR OR PHONE IT IN (723-5758)

FOR SALE--NO NEW ITEMS  
WANTED--NO NEW ITEMS

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NEXT MEETING

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ST. NICHOLAS IS COMING TO ALL GOOD HAMS! I GUESS THAT LEAVES THE  
REST OF US TO BE EATEN. BEFORE THAT HAPPENS, FORTUNATELY, WE (GOOD AND  
BAD) WILL HAVE THE OPPORTUNITY TO GET TOGETHER AND CELEBRATE WITH A  
LITTLE WINE AND CHEESE.

CHECK YOUR LOCAL THURSDAY NIGHT NET OR WATCH FOR THE FORMAL  
ANNOUNCEMENT ON PAGE 2 OF THE DECEMBER NEWSLETTER TO FIND OUT WHERE AND  
WHEN. (DON'T FORGET THE MAP ON PAGE SEVEN FOR THE NOVEMBER MEETING)

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PERMANENT REMINDER

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IF YOU ARE READING THIS NEWSLETTER OVER THE SHOULDER OF THE HAM  
WHOSE NAME APPEARS ON THE MAILING LABEL BECAUSE YOU FORGOT TO MAIL IN  
YOUR RENEWAL OR BECAUSE YOU HAVE NEVER BEEN A MEMBER OF OUR CLUB, NOW'S  
YOUR CHANCE! PLEASE, USE THE FORM AND INFORMATION BELOW TO JOIN US. (IF  
THE OWNER WON'T PART WITH IT, USE A FACSIMILE (OR SOMETHING SIMILAR).

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HELD OVER BY POPULAR REQUEST AND OUR LOVE FOR YOU!!

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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, OR TO MAKE CHANGES TO MAILING ADDRESS, 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 \_\_\_\_\_

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