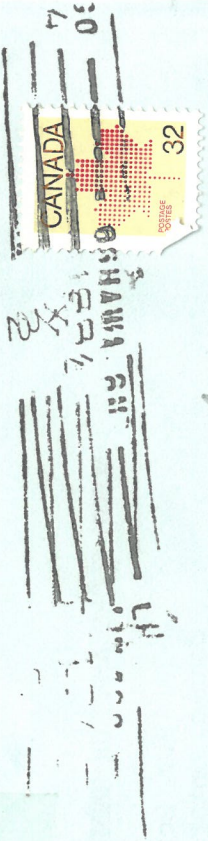


nsarc Inc.

P.O. Box 171
Oshawa, Ont.
L1H 7L1



Oct. 1984

To

VE3CRK
R DAY
454 HOLCAN AVE.
OSHAWA
ONT. L1G 5X6

NORTH SHORE AMATEUR RADIO CLUB Inc. NEWSLETTER

P.O. Box 171
Oshawa, Ontario, Canada
L1H 7L1

October 1984

OFFICERS AND EXECUTIVE

President	Bill Sutton	VE3MLW	623-2846
Secretary	Colin Bell	VE3CEU	723-7842
Treasurer	Mac McFarlane	VE3XI	723-8484
Director	Joe White	VE3IHS	623-4069
Director	Bill Fortune	VE3NTI	986-5656
Registrar	Keith Wyard-Scott	VE3GDF	723-5758
Get-well cards	Ted Brant	VE3ADD	668-3561
Co-editor	Charlie Bissett	VE3IBO	668-7481
Co-editor	Neil McAlister	VE3KSP	668-4161

CLUB STATION VE3NSR

CLUB REPEATER VE3OSH 147.72 in
147.12 out

CLUB NETS

2-meter net every Thursday at 19:30 local time, come rain, shine or QRM, on the club repeater, VE3OSH. Net control is Roy, VE3AAF.

10-meter net Sundays at 13:00 local time for CW; 13:30 local for SSB. 28.200 MHz plus or minus beacon. (Conditions permitting.)

THE NEXT MEETING

The next regular meeting will be held as usual on the second Tuesday of the month, October 9, at O'Neill Collegiate in Oshawa, in the cafeteria at 20:00 local time. (8 PM).

THE JUNK BOX (new listings always welcome)**Wants to unload ...**

1. Audio signal generator, "General Instruments", tube type. Up to 20 kHz, with built-in variable attenuator. Complete with schematic & operating instructions. Approx size 18 in w X 12 in d X 8 in h. Price only \$12 -- Ed, VE3FRM. Telephone 985-3790, Port Perry.
2. FREE, over 100 unused Ontario Bicentennial QSL cards -- Neil, VE3KSP
3. HP 524D frequency counter, complete with 525A plug-in unit. Freq. range 10 Hz to 100 MHz. Manuals for 524D, 525A and ac-4 decade counters. Includes complete set of spare parts except no extra cabinet or fan. Asking \$40. -- Charlie, VE3IBO
4. Scott Marine receiver, model SLRM in clean, operating condition. Freq. range 0.54 to 18.6 MHz. Complete with operating and service manual with schematic. Uses 115 V AC or DC. Asking \$30. -- Charlie, VE3IBO
5. The C.N.I.B. receives occasional donations of **ham gear from estates**, which it offers for sale periodically in order to raise money for its worthy work. Please note the list of C.N.I.B. equipment up for bids on a separate page of this issue. To put in your bid on any of those items, contact Fred Roberts, VE3AFA. Telephone 486-2674 (mornings) or 221-9252 (evenings).

UPCOMING EVENTS IN ONTARIO

Oct. 5-7	Ottawa	Radio Society of Ontario convention Westin Hotel, Ottawa. Registration \$8
Oct. 6	Ancaster	Hamilton A.R.C. fleamarket. Maritt Hall, Ancaster fairgrounds. Admission \$2
Nov. 10	Newmarket	York Region A.R.C. fleamarket. Newmarket Community Center, Civic Drive. Admission \$2

WRAP-UP ON VE3CNE -- by Evan, VE3IND

Once again VE3CNE had a very successful year. For those who may not know, this is a project of all the amateur radio clubs within 80 miles or so of Toronto. The participation of all hams is both welcome and encouraged!

This year we were able to benefit from last year's experience. The station was larger, with more equipment. This ranged from antiques loaned by Fred Hammond (from the museum in Guelph) and an army WW II 19 set, to a working scale model of an Anik C satellite loaned by Telsat Canada.

About 11 clubs were responsible for staffing all but 4 days, with ex-service operators taking care of Warriors' Day. Other operators provided welcome assistance at other times. These included a number from our club, and ZL2TPV, Grant, from New Zealand. [continued]

This year, VE3CNE provided excellent communications for the opening day parade, the water show, and the Warrior's Day parade, as you read in last month's newsletter. For the latter, all operators were ex-service personnel. The Warriors' Day Council was so pleased that VE3CNE has already been invited back for next year.

Twenty one clubs including North Shore A.R.C., the Radio Society of Ontario, C.A.R.F., and C.R.R.L. financially supported the station. A financial statement will be issued to these sponsors before next month. In the meantime, all constructive criticism is requested.

We'd certainly welcome your participation next year!

- 73, Evan, VE3IND
Chairman, VE3CNE station

WHAT'S IN A NAME?

The word "**HAM**" as applied to amateur radio dates back to 1908, and was the call sign of the first amateur wireless station, operated by the three members of the Harvard Wireless Club.

At first they called their station after themselves, "Hyman-Almy-Murray" -- but tapping out such a long name in code proved tedious. They changes their call sign to "HY-AL-MU", using the first two letters of each of their names. Early in 1909 some confusion resulted between signals from amateur radio HY-AL-MU and a Mexican ship named the "Hyalmo". Thyen the boys decided to shorten their call to just the first letter of each name: HAM.

In the very early days of radio, Amateur operators picked their own frequency and their own call letters. Then (as now!) some amateurs had better, cleaner signals than some commercial operators (commercial paging services, and TV cable companies, take note!). The resulting confusion and QRM finally came to the attention of American congressional committees, and they in turn gave much attention to proposed legislation designed to limit amateur activity.

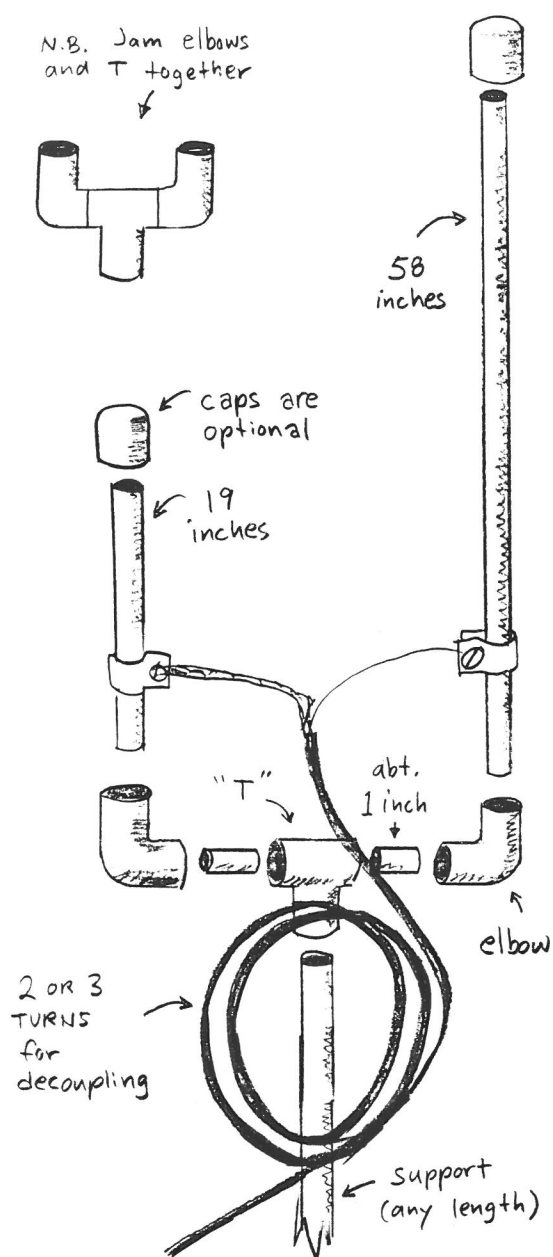
In 1911 Albert Hyman chose the controversial wireless legislation bill as his thesis at Harvard University. His supervisor insisted that a copy of this thesis be sent to Senator Davis Walsh, a member of one of the committees hearing the bill. The Senator was so impressed that he asked Hyman to appear before the committee. Hyman was put on the stand, where he described how his club's little amateur station was built.

He almost cried when he told the crowded committee room that if the bill went through they would have to close their amateur station, because they could not afford the license fees and all the other requirements proposed in the new legislation. The debate started, and the little HAM became the symbol of all the little amateur stations in the United States, crying out to be saved from the menace and greed of big commercial stations that didn't want them around.

Finally the bill got to the floor of the U.S. congress, and every member talked about the poor little station HAM; that's how it all got started, and you can find the whole story in the U.S. Congressional Record. (W-land version of our parliament's Hansard.) Nation-wide publicity associated radio station HAM with amateurs, and from that day to this, in radio language an amateur is a "ham".

{Thanx to Bob, VE3LLE for contributing this item from The Metro Bulletin, Feb. 1983.}

CHEAP, INDESTRUCTIBLE J-POLE FOR 2-METERS from VE3LLE



Embarrassed by the feeble, hissy signal that trickles out of your handheld? Itching to hit repeaters that you can hear, but can't work using that miserable, ol' rubber ducky? Well cheer up, OMs and YFs, 'cause we have a solution! What's omnidirectional, a whole lot more effective than a rubber duck, a whole lot cheaper than a Ringo Ranger or an Isopole, and guaranteed to survive the worst that the coming winter has to offer? Bob, VE3LLE's home-brew J-pole, that's what!

Also known as the "plumber's delight", this little beauty can be assembled in one evening using half-inch copper pipe, a T-junction, two elbows, and two optional caps -- available in any building supply store. Use a small propane torch to solder the parts together.

Two or three turns of the coax in a circle 9 to 12 inches in diameter, taped just below the antenna, is very important for decoupling the antenna from the 50-ohm RG8 "minifoam" lead. Final tune-up with your SWR bridge will determine exact positioning of the coax attachments, which seems fairly critical. At VE3KSP's QTH (where the J-pole is attached by two large hose clamps to a plastic ventilator pipe on the roof, and is now entering its second year of duty) a SWR of 1.2:1 was achieved after some fiddling.

A coat of aluminum spray paint (or flat black for less-ostentatious builders) makes the job look very professional. For more building details contact VE3LLE or VE3KSP. Enjoy!

- Parts list:**
- 8 feet of 1/2-inch copper pipe
 - Two 1/2-inch elbows
 - One 1/2-inch T-junction
 - Two 1/2-inch caps (optional)
 - Two small copper pieces and two small bolts, to fasten coax center feed and braid to antenna
 - Sufficient length of 50-ohm coax (suggest RG8 "minifoam")
 - Two big hose-clamps to fasten J-pole to ventilator on roof (or any other hardware needed for alternative mountings)

If you remember your high-school Latin, try translating this perpetual favorite, school-boy motto: "SEMPER UBI SUB UBI"

FROM THE EDITORS' DESKS**How this Newsletter Gets Produced**

We try our best to get the newsletter mailed out in time to reach members before the monthly club meeting. To achieve this objective, everything must be typed up and printed by the computer, the manuscript submitted for photocopying, the pages collated and stapled, the completed newsletters addressed, stamped, and **in the mail** by the end of the month.

Why? Because the Canadian postal "service" is a disgrace. Last month, one Oshawa member complained that his correctly-addressed and Postal-Coded copy took almost two weeks to reach his place after it was mailed from Whitby, even though the cover was clearly labelled "first class" and every issue bears first-class postage! Here's a standard of comparison that should make the much-vaunted Canada Post Corporation and its underproductive employees blush with shame: Ten years ago, when I was an exchange student in India, I once posted a letter from Pondicherry to Madras, 150 kilometers away, and received a written reply in the mail on the afternoon of the same day! In India we had Saturday delivery, too. It's frustrating living in an underdeveloped country like Canada, isn't it?

Last-minute requests to include important announcements, time-dependent articles describing recent or upcoming events, and so forth, have sometimes delayed printing of the newsletter and brought it very close to missing the day-before-meeting-night deadline for distribution to members' doorsteps. This is our fault for neglecting to explain how the publication process works, and for failing to specify a monthly deadline.


We'd like to remedy that situation by asking everybody to please get important announcements to either VE3IBO or VE3KSP personally no later than the **20th of the month** if it is necessary to have publication in the next issue. Kindly note that delivering a vital message to some third party just cannot guarantee timely publication: In the past, well-meaning, but busy people who have been given articles to pass on to the Editors been known to quietly "sit on" such material for several days (even weeks) before actually forking it over to us.

If you need to impart a short message for the newsletter, or if you must make arrangements for delivering a longer item to one of the Editors, at least one of us can almost always be found on the Thursday night 2-meter net. We both frequent the Club repeater at other times as well, particularly mobile during mid-mornings and late afternoons. That failing, the landline is always available, and our phone numbers are listed in every issue.

Of course, the deadline is relevant only to urgent, time-dependent information that needs to be printed in the very next upcoming issue. Regular articles are very welcome any ol' time. You can arrange to send them to either of us directly, or simply address them to the newsletter in care of the Club address, shown in the front of every issue. We type up articles whenever we have a few spare minutes to work on them. Printing of any particular piece may be delayed for a month or two until space permits. We may be working on up to three consecutive issues at once. For example, half the material for the November newsletter is in the word processor already, even as this October issue departs for the print shop.

We hope that this explanation of the time constraints under which the newsletter is produced will be helpful. Thanx for the help, and best 73s from VE3IBO es VE3KSP.

Heath Balun Model B1
 Two Nothern Electric RF 0-5 ampere meters
 Variable capacitors - several - small & wide spaced
 Collins KWM2A - power supply enclosed
 Heath Grid Dip Meter Model GD 1B and coils
 Electro Voice Mic and stand model 727 ceramic
 Simpson D.C. Ampere Meter 0-15
 Two relays (P&B) type 69-35
 Heath Transistor Diode Checker
 Heath 100kc crystal calibrator
 Hammond Transformer (new) 167N6 115V 60cy
 Shure Hand Held Mic Model 404C
 Amperite Delay Relay No-12N020
 Olson Crystal Mic-desk type-no stand
 Heath Code Oscillator C01
 Ten Tec Argonaut - power supply - Model AC5 -antenna tuner
 National Midget Calibration Dial NO-MCN
 Heath Mobile Tuning Meter
 National Dial PWD
 A.S. Trunk Lid Antenna Mount Kit MA-161
 Armaco Field Strength Indicator and S.W.Bridge
 Heath Reflected Power Meter and S.W.Bridge
 Electro Voice Mic Model 729SR Ceramic Cardioid with Stand
 Globe Battery Co-Gel-Cel rechargeable power pack
 Black & Decker C-700 Deluxe power pack charger Type A
 Canadian Tire Battery Booster Model T-1225
 Turner Desk Mic
 Philips desk mics
 Philips telephone style mics
 Collins KWM2 - separate power supply
 Collins 312B Station Control (speaker-phone patch-wattmeter)
 Collins KWM2 Power Supply
 Hammond Speaker 8 ohm Model 1408J
 Home Brew Phone Patch
 Muffin Fan
 Shure VU Meter 0-20 minus and 0-3 plus
 Collins Voice Blanker Model 136B2
 Armaco Desk Mic Model M-131
 Approx. 33 feet 3 wire heavy duty AC extension line
 6 foot line cord for Tape Recorder
 Meter 0-3 D.D. Amperes
 1-Com 751 and 1-Com desk Mic model SM6
 Small Desk Mic Pieza (Japan)
 Drake TR33C 2 meter Transreceiver - Mic and Manual
 Co-Ax Switch - not complete
 Home Brew card board test box - 0-15 D.C.Volts
 0-5 D.C.Amperes
 0-5 D.C.Volts
 Bendix Micro Match Model 261 with co-ax connectors) S.W.R.Bridge
 " " " " 262 with power meter) and indicator
 Heath 2 Meter Transreceiver Model 202 plus extra crystals
 Mobile Hump Floor Mount for HW 12 or 32 with D.C.supply and speaker


 Donations from Estates to C.N.I.B.
 TO BID ON ANY ITEM, PHONE FRED ROBERTS, VE3AFA
 MORNINGS 486-2674, EVENINGS 221-9252

