

" S P A R K S "

THE NORTH SHORE AMATEUR RADIO CLUB INC.

NOVEMBER EDITION 1980

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Club Repeater: VE3OSH

Club Station: VE3NSR

Thursday night net meets every Thursday evening at 7:30 PM
on VE3OSH with Roy VE3AAF at net control.

Sunday morning net meets every Sunday morning on 28.200 MHz.
at 10:00 AM with George VE3GOU at net control.

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* NOTICE OF THE NEXT MEETING
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* OF THE NORTH SHORE AMATEUR RADIO CLUB INC.
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* DATE: NOVEMBER 11
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* PLACE: O'NEILL COLLEGIATE
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* TIME: 8:00 PM
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* AGENDA: SLIDE SHOW
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NEWS:

Because of a postal problem, Dave, VE3SAT, was unable to show us the slides at the September meeting, but everything has been straightened out and Dave will present the slide show at the November meeting.

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Come and browse - open house. There will be a charity sale of amateur items from the estate of the late Perce Sparkes, VE3AEX on Saturday, November 15 from 10 a.m. to 3 p.m. at 29 Montgomery Avenue, Brooklin, Ontario. Talk in on OSH. For further information call Bill Hart at 655-4985 or John VE3FGL at 655-4269. (Also, see our For Sale section).

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Heard a bit of good news on the C. J. net the other night! Effective immediately, and according to tariff item 44534-2, Receivers, Transmitters, Transceivers, and Transverters can now be imported duty-free. Subject, of course, to the 9% Federal tax.

This tariff item stipulates that the units mentioned must be for use on the amateur radio bands only. Any units with the three new amateur bands already installed are not included in this tariff item.

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The next D.O.C. Amateur Radio examination is scheduled for February 4, 1981.

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An application form for the 1981 club membership appears at the back of this bulletin.

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The York North Amateur Radio Club will hold its annual fleamarket on Saturday, 08 November 80, at Newmarket Community Centre, Newmarket, Ontario. General admission is \$1.50 and this includes a door prize ticket. Admission for exhibitors is \$4.00, and this includes a door prize ticket and one table. Additional tables will cost \$2.00. The fleamarket will run from 0800 to 1400 EST, but doors will open earlier for exhibitors. The talk-in frequency is 146.52 MHz simplex and the club call is VE3YNA.

POLARITY PROTECTION

Since there hasn't been a technical article for a few months, I thought I'd try my hand at it. I have a small linear amplifier for my two meter handheld, and I seem to be forever connecting it and disconnecting it--always conscious that if I were ever to hook it up the wrong way to a power supply or a battery, it would be costly. The plug on the Heath linear is shaped so that it will fit only one way. All you have to do is connect the wires to the supply voltage in the proper way and you will stay out of trouble.

Here's a familiar line: "If anything can go wrong, sooner or later it will." - Murphy.

One day the inevitable happened, and I lost the final and a hard to get 1.5 ohm resistor. It not only cost me \$22.00 to replace the burned out parts, but it cost me six months of off-the-air time, as far as the linear was concerned.

Murphy had slapped my hand so I went looking for insurance. I soon realized that there were several diode configurations that would solve my problem. I was looking at one diode in the B+ line, then at two diodes, one in each line--that way you would have protection both ways and if you hooked it up the wrong way it simply wouldn't work. Well, I looked at several more choices, drawing them out on paper. Then in a flash I had it! Why not use a rectifier bridge IC? Wow! That was it!

I was quite proud of discovering this nifty way to solve my problem. I thought it was rather clever of me. This was just before I started to worry about how things could go wrong with it. As I said, this is my first attempt at writing anything technical and I guess the most important ingredient is to have your facts straight. Well, I'm afraid I'm not all that sure. As Ed Taylor, VE3FRM once said, (in the instruction sheets of the R.S.O. Low Pass Filter), "I lay awake at night wondering what could go wrong."

Either this bridge idea is a sound one and is widely in use, or there are good reasons for not using a rectifier bridge IC. (Possibly the bridge package is designed to work best with AC and will overheat under steady DC at the input). Mine works but... There are a lot of smart people in Ham Radio, and if this was such a could idea, somebody would have thought of it long before I did.

So, if there is anybody out there who knows why not to go this way, please let me in on it. And in closing I'll say, I hope nobody takes any of this too seriously. HI HI.

I'm sure you've caught on by now as to what I am doing. If this bright idea of mine turns out to be as good as it looks, why I'll come out shining. If not, well I have had fun writing this and perhaps I have amused you. So no matter how it turns out, I'll come out a winner. That's what I call Polarity Protection.

73's Gunter VE3LHM

FOR SALE OR WANTED

Members of the North Shore Amateur Radio Club may use this column to advertise their Ham oriented items, free of charge. All listings will appear in the first bulletin after they are turned in and will be reprinted in the next two bulletins unless deleted.

FOR SALE: From the estate of Percy VE3AEX
SB102 and Home Brew AC Supply
HW12A 80 Meter Single Bander plus HP-23B Ac power Supply
HM102-SWR Indicator
Two GE Prog line 2 meter trancivers plus one AC Supply
for base operation.
Please contact Bill Hart at 655-4985 or
John VE3FGL at 655-4269.
Offers only, no sale until November 15.

SB 104-A complete with - 500 Hz CW Filter
- DC Power Supply (Plugs into AC)
- Speaker
- Microphone
\$999.00 or best offer. Phone 644-5336 between 8 am and
4 pm or phone 655-4269 after 5 pm John Pluister VE3FGL.

A Johnson Viking Ranger I transmitter - 160 through
10 meters, CW - AM, with antenna relay.
A realistic DX-160 receiver.
Call Gunter VE3LHM at 263-2180.

Heathkit SB 300 - SB 400, 3.5-30 Mhz plus speaker and
manuals. Can be hooked up for transceive.
Call Al VE3LUS at 725-5620.

FOR SALE: Six meter transverter - FTV 650 \$175.00
With manual and cables.
Call Vic VE3LNX at 983-5831.

Yeasu FT 101E Transceiver with desk mike and hand mike,
Watt dummy load. \$800.00
Bill Wallace 723-6159

Courier Gladiator 23 chan. SSB CB with power supply.
Cost \$500.00 when new - asking \$250 or best offer.
Call Brian Lofstrom at 576-3972.

Datong model FL1 Frequency-Agile Audio Filter
New Price \$180.00 wanted \$125.00
Call Bill VE3KZL at 263-2969.

HT - 144B 4 Channel Walkie-Talkie, Max 5 watts out,
Two meters, tuned at 2 watts output, Xtals for OSH,
old RPT, 52/52 and MOT. with nicads and charger.

Motorola Handie-talkie, 2 channel with VHF Engineering
TX board. 2 watts output with nicads. Xtals for OSH
and 52/52, make an offer.
Call Gary VE3EPY at 723-9915.

Argonaut 509 HF Transceiver QRP, 8 Pole Crystal
Filter, RIT mod. other mods - glad to demonstrate
\$375.00. Call Tom VE3KZJ at 983-9440.
