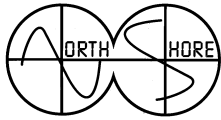


NORTH SHORE ARC



Box 171, Oshawa, ON, Canada, L1H 7L1
www.osha.igs.net/~lsolomon/nsarc



Volume 8 , Number 1

December 2005

Clubwear.

From Brian VA3BAH:



Nylon Jacket with club logo, call sign & first name \$65.00 taxes included.



Golf Shirt with club logo, call sign & first name \$30.00 taxes included

See Brian for information on sizes and ordering details.

Looking for some interesting components for your Homebrew Rig?

<http://www.national.com/>

AUDIO PRODUCTS	
PRODUCT	DESCRIPTION
STEREO HEADPHONE AMPLIFIERS	
LM4926	Ground-Referenced, Ultra-Low Noise, Fixed Gain, 80mW Amp
LM4980	2-Cell Battery, 1mA, 42mW Per Channel High-Fidelity Amp for MP3 players
SUBSYSTEM	
LM4844	Stereo 1.2W Audio Subsystem with 3D Enhancement
LM4845	Output Capacitor-less Audio Subsystem with Programmable 3-D
LM4934	3-D Sub-System with Stereo Speaker, OCL/ SE Stereo Headphone, Earpiece
LM4935	Sub-System with Dual-mode Stereo Headphone & Mono High-Efficiency
MICROPHONE AMPLIFIERS	
LMV1031	Amplifier for Internal 3-Wire Analog Microphone and External Preamplifier
LMV1032	Amplifier for 3-Wire Analog Electret Microphone
HIGH-POWER BOOMER AMPS	
LM4804	Low-Voltage High-Power Audio Power Amplifier
LM4927	2.5 Watt Fully Differential Audio Power Amplifier with Shutdown
CLASS D AMPS	
LM4671	Filterless High-Efficiency 2.5W Switching Audio Amplifier

You might find something for those cold winter evenings when the bands are quiet.

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Don't forget to renew your Membership.

See Les VE3LTB for details or visit our web page at:

http://www.osha.igs.net/~Isolomon/nsarc/NSARC_Membership_Application.pdf

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From The Chair in the Shack:

As each bulletin date rolls around, I think about the pleasure and the learning I've gotten from ham radio. To be in a club that has responded so well to the needs of both our individual members and to the public in our service events is something I treasure more than I can say. My Christmas present of greatest worth is the friendship and company of my fellow hams. Thanks to all of you for your contributions over the last few years. You are the club and I am the one who has undertaken to make sure that your desires can be met. I hope that I have managed satisfactorily.

As the New Year approaches we find ourselves working like mad to make our new repeater location become a reality without bankrupting the club. As a concept, it is rather brash. The goal is to provide a site that will offer better coverage for VE3OSH voice and packet and VE3NAA, to allow them to continue to function for long periods without power in emergencies and to reduce costs for operation. The Trillium Foundation turned us down because of the breathtaking size of our requests and a their lack of understanding of our role in emergency communications. With the tower base installed, we face new challenges if we are to receive funding from them.

We will need to explain our emergency role much more carefully. We will need to demonstrate more clearly, the financial contribution of each operator who helps in an emergency. We will need to show that others, like businesses are willing to help financially. We will have to show that Durham Region and the municipalities are unwilling to make financial contributions to this kind of project - making a grant our only means of completing the project.

We require a transmitter building that can be classed as moveable so a permit is not required. It should be large enough to house all three repeaters and allow room for service and teaching of a few people at a time. Suggestions have come to us for a wooden building but we are hoping that we might find a way of having something donated. Any ideas would be welcome.

We need fencing to make the site secure and safe. That means preventing climbing of the tower and making sure that theft and vandalism are minimized. Perhaps a large supplier would be willing to contribute.

We need wiring trenched from the existing power panel to the "shack" along with telephone lines and lines for CLOCA's weather station. Very importantly, we need help in digging and installing that wire.

We are hoping for a grant to get the propane generator and supply tank (filled).

The repeater guys will welcome your thoughts as they try to make things happen. Together we can make this project a success. I have great faith that every member will be able to make a contribution of some kind to this undertaking.

Merry Christmas and a Happy and Successful New Year.

73 de Pete, VA3PWH

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I don't know how many of you pay attention to the Maximum Usable Frequency listing put out each month on the RAC web site, <http://www.rac.ca/opsinfo/propagation.htm>, but it sure makes me wish I had my shack put back together.

My wife was complaining about the lack of progress with the basement renovation early in the fall. She said I'd not be done by Christmas. Of course I laughed and said I'd be done by the end of October. Well here we are just before Christmas and I've just finished fighting with the last sheets of drywall. You may have guessed that my wife isn't laughing and neither am I. When I see you at the next meeting, I hope to be able to tell you that at least the paint is dry in the basement.

Along with my best wishes to all of you for a safe, happy Christmas and a New Year filled with Peace, Joy and Health, I wish all of you good DX and lots of fun on the bands. Practice safe radio.

Your humble scribe.

Ken
VE3RMK

MAXIMUM USABLE FREQUENCY

DECEMBER 2005

UTC >>>	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
EASTERN TO																								
District/NVIS	4	4	3	3	3	3	3	3	3	3	3	3	3	4	6	6	7	7	7	7	7	7	6	5
Atlantic Canada	6	6	5	5	5	5	4	4	5	5	5	5	6	9	11	12	14	14	13	13	13	12	10	8
Central Canada	8	7	6	5	5	5	5	5	5	5	5	5	5	5	7	10	12	13	13	13	13	13	12	10
Pacific Canada	12	10	9	8	7	7	7	7	7	7	7	7	7	7	8	11	15	17	19	19	20	19	18	15
Nunavut	8	8	7	7	6	6	6	6	6	6	7	7	7	8	10	13	14	15	15	15	15	14	12	10
Western Arctic	11	9	8	8	8	7	7	7	7	7	7	8	8	8	9	10	14	16	18	18	19	19	17	14
Eastern USA	6	5	4	4	4	4	4	4	5	5	5	4	5	7	10	10	11	12	12	11	11	11	10	8
Western USA	14	11	9	8	8	8	8	8	8	8	8	8	8	9	11	16	19	20	22	23	22	22	20	18
South America	15	14	13	13	14	14	15	15	14	13	13	13	14	20	23	24	27	28	27	27	26	25	22	18
Western Europe	9	9	9	9	9	9	9	9	9	10	10	10	12	15	19	21	19	17	14	11	10	10	9	9
Eastern Europe (P)	9	9	9	9	9	9	9	10	11	11	11	11	13	16	18	16	13	17	10	9	9	9	9	9
North Africa	11	11	10	9	9	9	9	9	9	9	*	*	12	16	19	21	19	15	14	13	12	12	12	12
South Africa	13	11	10	10	10	10	*	*	*	*	*	*	17	22	24	26	26	26	26	25	24	22	18	15
Middle East (P)	12	12	11	11	11	11	11	11	11	11	11	11	12	16	19	15	14	13	12	12	12	12	12	12
Central Asia (P)	13	13	13	12	12	12	12	12	12	12	13	13	13	14	13	13	12	12	12	12	13	13	13	13
India (P)	11	12	12	12	11	12	*	*	12	12	12	12	13	14	14	13	12	11	11	11	11	12	12	12
Indonesia (P)	15	13	*	*	*	*	*	*	10	10	10	11	11	11	12	16	16	14	13	11	10	14	22	18
Australia	17	14	*	*	*	*	*	*	11	11	11	11	11	11	12	16	21	20	18	16	15	18	22	21
China (P)	14	14	12	12	12	11	12	12	12	13	13	13	13	12	13	13	13	13	13	13	13	13	14	14
Japan	15	13	12	11	11	11	11	11	11	11	11	11	11	11	12	12	11	12	12	12	12	13	19	18
South Pacific	19	15	13	12	11	12	12	12	12	12	12	13	12	12	13	12	14	20	26	26	28	27	26	24

Season's Greetings from Durham Radio

Help us Make a Difference this Holiday Season!

Since 1993, Durham Radio has been serving the amateur radio community. Most radio enthusiasts will agree that Durham Radio has done more than any other radio store in Canada to support amateur radio and the local community. This December we'd like to do a little more. Purchase any Amateur, Marine or CB Transceiver and we will donate \$5.00 to the Canadian Red Cross to be used where they need it most.

Oregon Scientific Products Now in Stock at Competitive Prices



WMR-968

**Solar Powered
Wireless Station
Includes Three
Remote Sensors**

\$379.00

This complete weather station comes equipped with outdoor sensors that operate on solar power for easy installation. The main backlit unit with clock and alarm measures indoor temperature, humidity and barometric pressure. Outdoor sensors include anemometer to measure wind speed and direction, self-emptying rain gauge to measure rainfall and outdoor temp and humidity sensor. Accepts up to three additional sensors. Perfect for the cottage or farm!

Wireless Forecaster

BAR898HGA



12 / 24 hour atomic clock with alarm and snooze function, temperature, humidity & barometric trend, weather forecaster for the next 12-24 hours, backlit. Batteries are INCLUDED. Includes one remote sensor but can monitor up to three remote sensors.

Reg: \$109.00 Sale \$98.97

Optional sensors now in stock.
Call us or visit our web site for
complete selection

New Antenna Wire -- WIRE1441

This Sky-Blue 14

Gauge wire features

\$0.29/FT

41 strands of tinned copper wire. Ideal for amateur and shortwave antennas. The PVC insulation gives added strength and does NOT attenuate the signal in any way. Temperature range -20°C to 105°C, Voltage rating 600 volts, Resistant to Acid, Alkalis, Abrasion, Flame, Gasoline, Oil, Ozone, Moisture, Fungus.

Windom Antennas now in stock!

**One off-centre fed dipole offers
multiband HF operation without a
tuner in most cases!**

166260 160-80-40-20-15-10-6 metres 260 ft \$119.00
802136 80-40-20-15-10-2 metres 136 ft \$99.00
40670 covers 40-20-15-10-6 metres 67.5 ft \$89.00

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