NOVEMBER EDITION - 1977

EXECUTIVE AND OFFICERS

THE NORTH SHORE AMATEUR RADIO CLUB

President	Ralph Day	VE3CRK	576-8738
Vice-President	Bob Miller	VE3HNH	723-0601
Secretary	Doreen Aston	VE3FUR	728-9759
Treasurer	Steve Wotton	VE3CFG	725-4197
Registrar	John Pluister	VE3FGL	655-4269
Get Well Cards	Ted Brant	VE3ADD	668-3561
Editor	Glen Flintoff	VE3AEQ	725-6408

NEXT MEETING:

The next meeting will be in the study room on the third floor of the O'Neill Collegiate,

8:00 p.m. TUESDAY, NOVEMBER 8

The meeting feature topic will be on Camp 'X'. Bernie, ATI, will be the speaker and he will include slides. This is certain to be of great interest to most of us since Camp 'X' was always shrouded in mystery.

The transmitter hunts have been suspended for the season due to early nightfall.

NEWS ITEMS:

We extend our deepest sympathy to -

Lorne Doreen, SZ, on the loss of his brother Frank.
Ed Warburton, AZV, on the loss of his sister Kitty.

Only 10 percent of the nomination sheets (page 4 of the October bulletin) have been returned thus far.

Coffee and cookies will be available at a cost of 25 cents, starting with the next meeting - proceeds to go to the Club treasury.

Don't forget the Wine and Cheese Party; also the Club Elections on Tuesday, December 6 at the Oshawa Branch, Canadian Legion Hall.

The Wine and Cheese Party will be paid for from the Club treasury. Bernie always chooses a fine selection of both main ingredients.

REPORT OF ACTIVITIES OF THE NORTH SHORE AMATEUR RADIO CLUB TWO METRE NET:

After a 'down period' following the moving of Vic, VE3 ANX, to Markworth, the net was restarted by the present net controller, Perce, VE3 AEX, on October 26, 1976. From time to time reports have appears in 'Sparks' telling of the general progress.

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After a full year of operation it is appropriate to say that the average number of check-ins during the first four weeks of this period was 16.2, compared to the last four weeks with an average number of check-ins of 33.5. This is very encouraging, and shows the interest taken in the net by a large group of check-ins who call in regularly with traffic, club bulletins, or items of general interest, all of which help to foster the informal, friendly spirit on the net that is so evident to visitors.

Our 'DX' for the month was WA2 GAI, Carl, Sodus Point, N.Y., and WB3 AYW, Leonard, Union City, Pa.

Sincere thanks to all who have helped in any way, and a cordial invitation to all to check in 'With or Without Traffic'.

73 es 88, Perce, VE3 AEX

INFO CORNER:

Detect False Receiver Signals with Your Ears

Here's a simple, but often forgotten, way for you to determine whether the signal to which your communications receiver is tuned is the primary one or a false one, caused by imaging or some other spurious response. First, loosely couple a variable oscillator to the receiver's antenna input, then tune in the suspect signal with the receiver, and switch on its amplitude-modulation detector. Next, set the oscillator frequency close to the receiver frequency, so as to produce a beat note in the speaker. Now slowly wobble the receiver's main tuning dial back and forth through the tuned setting. If the sound of the beat note changes, the signal is spurious; if it stays the same, the signal is true.

The method works because a spurious signal does not maintain the same frequency relationship to a local oscillator as a true signal when the receiver is off-tuned slightly. First used with continuous-wave signals, this technique may be applied to any mode of amplitude modulation, as long as you're a good listener.

LITHIUM BATTERIES:

The newest and most powerful for their size were developed to serve a need that could not be met by other battery systems. With a nominal cell voltage of 2.95V and energy densities up to 150 watt hours per lb., the lithium cell offers nearly three times the energy density of mercury and four times that of alkaline cells. This means that new equipment can be designed to be lighter and more compact, while existing equipment can also be made lighter by replacing the existing batteries with lithium cells. Other advantages of the lithium cell are a projected shelf life of well in excess of five years, and efficient operation over a wide temperature range (typically -40C to +70C).

TECKNICKEL SEXSHUN:

An AF-RF Signal Injector

This handy little device can be a great aid in locating a defective stage in a radio receiver. It oscillates at approximately 1,000 HZ but the sharp edges of the square wave produce harmonics up to approximately 200 MHZ. It is powered by a single penlight cell and built into an aluminum cigar tube with a push switch at the capped end and a probe at the rounded end. Almost any NPN transistors will work. (PNP's if battery polarity reversed.)

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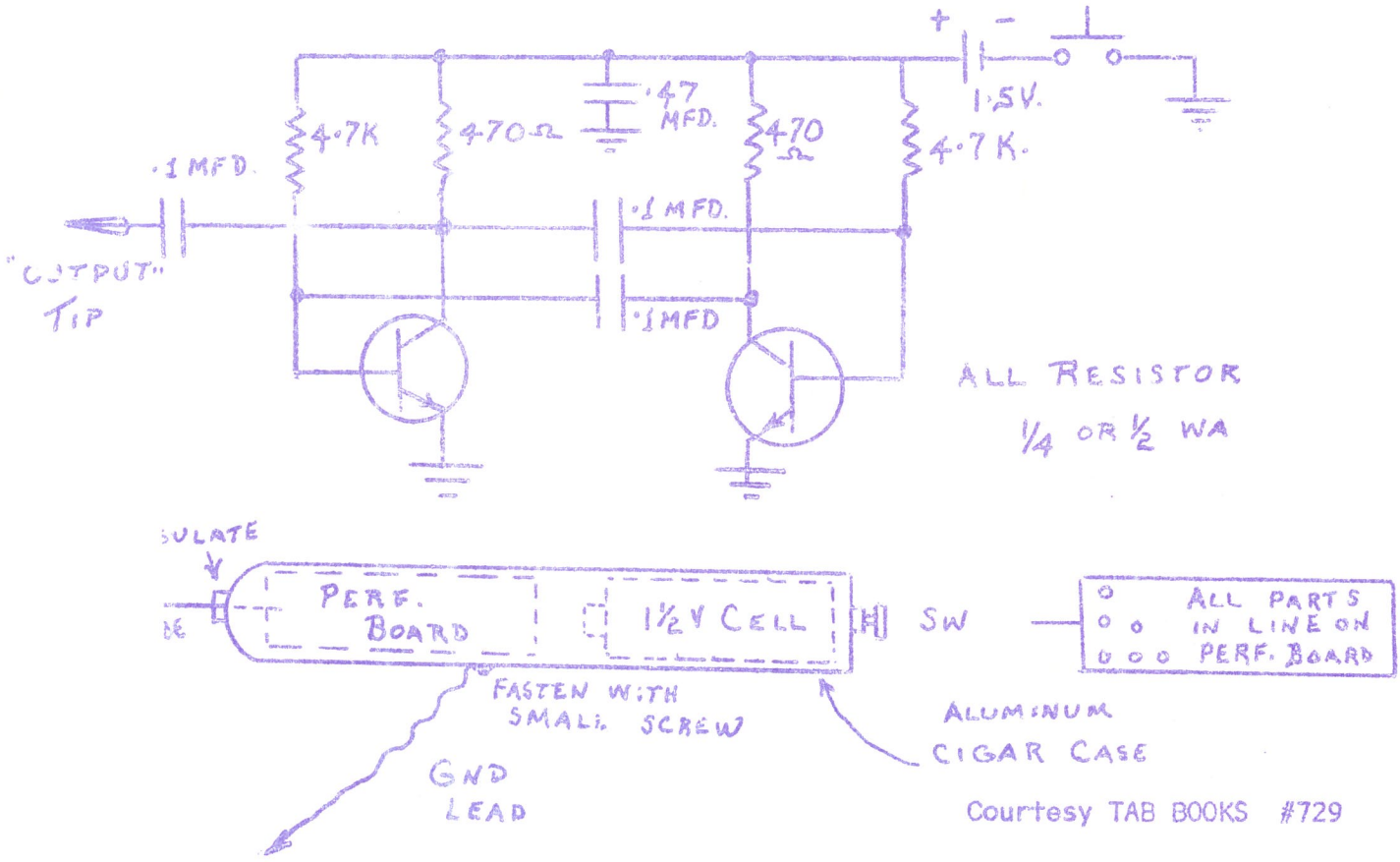
Operation

The signal generator is operated by simply placing the pointed output tip of the generator on the electronic circuit to be tested and depressing the push-button switch on the other end. A wire lead may be connected between the case of the aluminum cigar tube and ground of the circuit to be tested. Grounding may also be accomplished by holding the signal generator with one hand and touching ground of the circuit being tested with the other hand. Signal injection into rf circuits may not require the use of a grounding circuit from the generator to the rf circuit under test.



Courtesy TAB BOOKS #729

73,

GLEN - AEQ