



Nortown Amateur Radio Club

Minutes of the March 18th, 2011 Meeting

Present:

Bert VE3ENA
John VA3AAD

Bernie VE3OTR
Doug VE3EES

Jim VE3GRT
Tom VE3BKA

Recent member-attendees who were absent:

Claus VE3PMD
Sam VA3SEP
Andrew VA3CRA
Jost VE3SWI
Cyril VA3CJE
Jal VE3SOC
David VE3VNE
Ian VE3IJS

Bill VE3WHW
Rej VA3REJ
Ron VA3CCR
Tony VE3VME
Geoff VA3GEG
Elliot VA3EJF
Vipi VE3PID

Tony VE3XC
Tom VE3TEG
Jana VE3BFU
Paul VE3PGF
Vince VE3ELB
Frans VE3VNC
John VA3MDJ

Old Business

Repeater

No change. Elliot, VA3EJF is continuing to work on the Linux IRLP IP address issue

The VE3MHC (SK) 1926 Antique Bremer-Tulley Radio

No change. Tom, VE3BKA, and Elliot, VA3EJF will try to make another effort to repair this radio, so that it can be sold in working order.

MISSING – The Club’s Kenwood 6-meter T-550 Radio

No change. Through copies of these minutes. Andrew, VA3CRA, and Tom, VE3TEG are asked to search their equipment shelves for the unit. It was last seen at a Field Day, several Years ago. Elliot, VA3EJF will follow up with them.

Field Day Lightning Arrestors

No change. John, VA3AAD is still trying to find a source for half-inch copper-coated steel ground rods.

New Business

Presentations

The schedule for presentations is:

April 1	Geoff Golde, VA3RTV
April 18	John, VA3AAD
May 6	Frans, VE3VNC
May 20	Doug, VE3EES
June 3	Ian, VA3IJS
June 17	Tony, VE3VME - Field Day Preparation,

Financial

The coffee collection yielded \$6.00 and the raffle \$6.00.

Presentation

Bert, VE3ENA again demonstrated his incredible skill at electronic construction by bringing in a linear-scale capacitance meter that he had put together from scratch (i.e., not a kit - having etched the PCB himself) and a 6-meter FM CW QRP transceiver, built from a kit.

The capacitance meter is based upon the ubiquitous 555 timer chip that produces square-wave pulses, the width of which are proportionate to the capacitance under test. The resultant current passes through a d² Arsonval current-sensing meter. A photo of his circuit diagram is attached.

Incredibly, the transceiver was able to pick up CW signals from an antenna strung inside the meeting room. The guts of the receiver circuitry consist of a Motorola MC 3362 chip that incorporates oscillators, mixers and carrier detect circuitry. A photo of Bert's circuit diagram is attached, A data sheet on this remarkable chip can be seen at:

<http://www.datasheetcatalog.org/datasheet/motorola/MC3362DW.pdf>

Next Meeting

Our next meeting will be on Friday, April 1st.

Geoff Golde, VA3RTV offered some time ago to show at a Club meeting an outstanding 45 minute documentary about the history of radio. This promises to be a very special meeting. Don't miss it.

John Shepherd, VA3AAD