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NORTH SHORE RADIO CLUB Box 171 OSHAWA Ontario

EXECUTIVE & OFFICERS 1975

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|-----------------|------------------|--------|----------|
| PRESIDENT | Bill Cox | VE3BRT | 623-2267 |
| VICE-PRES. | Vic Baker | VE3ANX | 723-7474 |
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| FLOWERS & CARDS | Ted Brant | VE3ADD | 668-3561 |
| EDITOR | Bernie Sandbrook | VE3ATI | 655-4156 |

LAST MEETING

Sept.
Preparations for the Field Day were discussed and slides were shown of past events. Ralph, 3CRK moved that the club purchase some gear for the TVI committee such as a low pass filter, TV set etc. A sum of \$50.00 maximum will be granted. There was a reading of the financial report and discussion about finances. It was decided that the club secretary will keep a list of all equipment owned by the club.

NEXT MEETING Tuesday, Sept. 9, 8.00 p.m. Durham College, south ent.

The film ARRL's HAMS' WIDE WORLD which we were hoping to have for showing before the summer holidays will be shown at this meeting. If you haven't seen it, you must! If you have, it is well worth while seeing it again. This is the proper time to bring those electronic clocks which you built and compare with others. Slides of this years field day will be shown also. A sample of the club crest which will be in swedish embroidery will be on show and the cost will be about \$4.00 each. We need to have a firm committment for quite a few and the executive will tell you about it at the meeting.

APPLE ORCHARD FIELD DAY '75 courtesy of Bill, VE3BRT (orchardman)

There were 3 stations in operation under the supervision of FD manager, (curly) 3EWH. 40-80 meter fone, 3ADJ, manager; 40-80 cw, 3GUD, manager; 10-15-20 fone, 3ANX, manager;- dipoles were used on the lower bands and 3GUD's beam on the higher. The beam was lashed to the top of the tower with rope, due to the fact the rotor at the last moment proved to be inoperative. Despite this there were approximately 200 contacts made on the higher bands, over 600 on 40-80 fone and the balance on 40-80 cw for a total in the neighbourhood of 1100. The wx co-operated and although hot, it was never uncomfortable. A reporter and photographer visited the site on Sunday (Bowmanville Statesman, tnx to Farny, 3BHQ). The articles and picture appeared in the July 2 issue of the paper, and although not too knowledgeable of what they were covering, they did a creditable job and the press coverage netted a further 50 points.

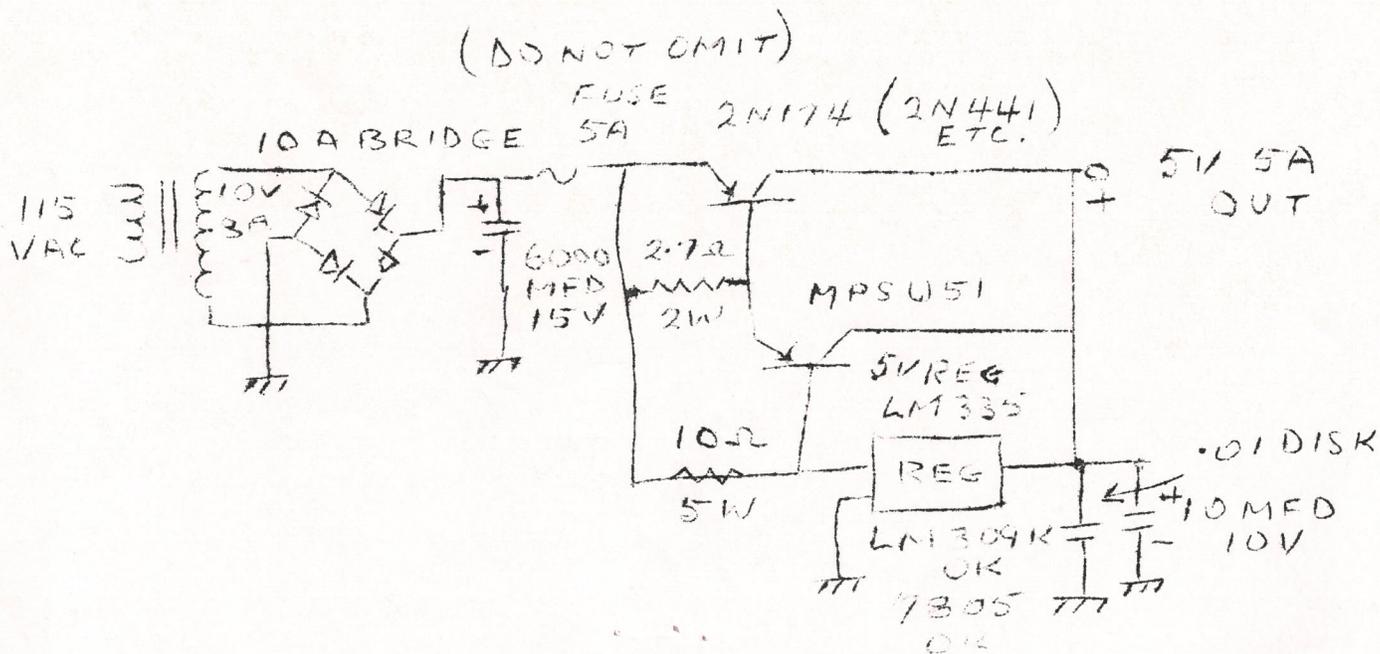
Special mention to Eric, 3HMG (Engineer) who supplied and maintained the Generator. He estimated he had a half ton of equipment on the trailer and there was no interruption of power for the full 24 hour period. In between watching TV set up on the tailgate, he also monitored 30SH repeater, also a time signal for startup and closedown purpose; a handy guy to have around. Should also mention there was approximately 350 feet of movie film shot of stuff prior to setting up and of course actual operation and clearing the site by Eric and yours truly, so after editing and splicing, we hope to have a film available for a meeting, possibly the September one.

Members who participated in Field Day on a full 24 hour basis are 3ADJ, 3AMQ, 3ANX, 3BRT, 3CRK, 3CUI, 3EWH, 3GUD, 3HMG, 3HNH, 3GOU, 3GMM and ex-SWL Gary Heagle. Operators on a partial basis were 3BHQ, 3DOC, 3EWA, 3FHV, 3SJ and Lester Highfield who supplied 100 feet of power cable which was badly needed. 3GUD's XYL and 2 friends assisted in logging for the full period. We apologize if we have overlooked anyone.

73, Vic, VE3ANX

POWER SUPPLY - SOLID STATE

I ran into a problem designing a regulated power supply for my new receiver and the final design works so well that I thought it would be of interest for the bulletin. My requirements were for a +5 volt supply which would be satisfactory for TTL IC's and which would regulate at 0 to 5 amps. High current regulating is not easy and after several unsatisfactory attempts, the following circuit developed. It's regulation is almost perfect from 0 to 6 amps. I did not feel it wise to test beyond 6 amps.



(3)

To change the supply for 12 volts, change the regulator to a 12 volt one such as the MC-7812 and the power supply accordingly. At least an 18 volt secondary transformer should be used.

Substitutions :- 2N174 - 2N441 or any similar high current PNP transistor. (requires heat sinking)

MPS-U51 - PNP 8 to 10 watt with 2A collector current and high gain (suggest heat sinking)

LM-335 - LM-309K or MC-7805

Farny Legresly
VE3BHQ

BITS N PIECES

Add to the list of KDK-144 owners - VE3FPP, 3FIV and 3ATI. Incidentally, the diagram shows parts that are not in the set and vice versa - at least in the last batch. They have discontinued this model but have a later one coming out with 5 kHz. spacing, an extra readout for it and a few other things. This weekend, Sept. 6 and 7 is when the 1975 Corduroy Enduro takes place up north and 3FIV, 3HMG, 3HMH, 3GTS, 3AQV, 3CRK, 3DPH, 3ATI and others from Toronto etc. will provide communications for the motorcycle event. For the riders it is a gruelling 10 hours on both Saturday and Sunday. It is on from 8 a.m. to 6 p.m. each day. George, 3BCQ is on the air from his new qth in Whitby - at least on 2 meters. ATI is back to work. John, 3FGL is moving out of town somewhere northwest of Brooklin. Our get-together at the repeater qth was very well attended. Harry, 3QG has been disappointed in the performance of his new bi-directional 20 m vertical beam but will get it corrected soon. 3FPP has a new (to him) 10 speed Kawasaki trail bike. Can he work the KDK from it?

Correct these two fone numbers

Ralph Day VE3CRK 576-8738
Glen Flintoff VE3AEQ 725-6408

Correct these addresses

Ed Warburton VE3AZV
1429 King St. E. RR 4 Oshawa L1K 1A3

Chuck Hewis VE3DPH
General Delivery Seagrave Ont L0C 1G0

Do you have any corrections or news for the bulletin? If so send them to VE3ATI Bernie Sandbrook, RR1 Brooklin Ont L0B 1C0