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LAB-D-DOC-221

March 10, 1948

Mr. P. W. McDaniel
Technical Information Branch
U. S. Atomic Energy Commission
1901 Constitution Avenue N. W.
Washington 25, D. C.

Dear Sir:

NEPA-270 rec'd from Oak Ridge 4-16-48

This office has received a request for additional information needed at this Laboratory in connection with the construction of the pile simulator and associated equipment as used at NEPA Project at Oak Ridge, and as described in NEPA Report #43. The following is the information requested:

1. Description of operation of the Ke/f amplifier and mixer and the τ/f A_iS_i amplifier circuits.

2. Circuit diagram of how Ke/f and τ/f A_iS_i amplifiers are connected in series.

3. It would appear that the range extender is of use only when F(t)F(0) is increasing. Was a similar circuit used to take care of the case when F(t)F(0) is decreasing?

It would be appreciated if you would contact NEPA and forward the requested information to this office at your early convenience as prompt receipt of the information here will materially expedite one of the Laboratory's programs.

For the Director:

Very truly yours,

Ralph Carlisle Smith

cc:
E. O. Swichard (group P-5)

Registery no 1808

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