

~~CONFIDENTIAL~~  
UNCLASSIFIED

A-85-006  
2-10

CLASSIFICATION CANCELLED  
DOE NSI DECLASSIFICATION REVIEW EO 12958  
BY: 67m Sandoral 4/16/96 LANL/FSS-16  
(NAME) (DATE)

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.

This document contains ~~classified~~ data within the meaning of the Atomic Energy Act of 1946 and/or information of the National Defense of the United States in the event of the Espionage Act, 50 U. S. C. ~~Chapter 36~~. Its transmission or the ~~disclosure~~ of its contents in any manner to an ~~unauthorized~~ person is prohibited and may result in severe criminal penalty.

Dear Sir:

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:

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

1. Description of operation of the  $K_e/f$  amplifier and mixer and the  $\tau/f A_1S_1$  amplifier circuits.
2. Circuit diagram of how  $K_e/f$  and  $\tau/f A_1S_1$  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*  
Ralph Carlisle Smith

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

Registry no 1808

UNCLASSIFIED

~~CONFIDENTIAL~~