

CONFIDENTIAL 8 JULY 1954

P-151

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MEMORANDUM FOR: THE RECORD

SUBJECT

: Conference at ONR

1. Time and Place of Meeting: 1 July 1954 in the offices of OHR on Constitution Avenue, Washington, D.C.

2. Attendance: Mr. Frank B. Isakson - ONR

3. Purpose of Meeting: To evaluate ONR's research contracts, especially in the field of infrared detectors and solid state research for their application to AFD activities. This applied to contracts

4. Discussion: The Physics Branch at ONR sponsors research in the following fields under the following headings:

> a. Instrumentation Measurement

which we support and others as well.

- b. Radiation and Optics Theory **Photoconductors** Propagation and absorption Flames Optical systems Infrared components
- c. Extreme Temperature Physics Theory Action of heat on bodies
- d. Solid State Physics Thermal properties of solids Mechanical properties of solids Electrical properties of solids Theory and structure of solids Magnetic properties of solids
- e. Molecular Physics Electronic structure of molecules Intramolecular mechanics Gaseous electronics Intermolecular forces New magnetic materials

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f. The Physics Branch at OMR has a considerable interest in photoconductors especially as infrared detectors. In addition, a considerable amount of their sponsored work in this field is toward the development of a theory of photoconductivity. Toward this end, they are jointly sponsoring in cooperation with RCA and the University of Pennsylvania a Conference of Photoconduction to be held at the Senator Hotel from November 4 - 6 inclusive.

5. rill be	 A study of	f the material	available at ORR	
			TSS/APD	

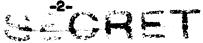
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