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8 July 1954

MEMORANDUM FOR: THE RECORD

SUBJECT : Conference at ONR

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

2. Attendance: Mr. Frank B. Isakson - ONR
[redacted] - APD

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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 APD activities. This applied to contracts which we support and others as well.

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

a. Instrumentation
Measurement

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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☐ DECLASSIFIED
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f. The Physics Branch at ONR 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.

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5. Conclusion: A study of the material available at ONR will be made.



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