

CONSULTATIVE SERVICES RECORD  
PRNC-NRL-10-631 (Rev. 2-55)

~~SECRET~~

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54R06-20

DATE <i>May 18, 1955</i>	SERIAL NUMBER	FILE NUMBER
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1. INSTRUCTIONS - This form is to be prepared in duplicate and signed by the conferee after each conference between Laboratory personnel and outside persons. Route both copies to Division Head, to Codes 4010, 1020, 1530, 1505 (retains one copy), and to 1523 for file.

2. CONFERENCE DATA

(a) DATE OF CONFERENCE <i>May 10, 1955</i>	(b) PLACE <i>Crosley Div. - AVCO Mfg. Co. Cincinnati, Ohio</i>
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(c) NAME(S) OF LABORATORY PERSONNEL	(d) DIVISION AND CODE NUMBER <i>Radio 5435A</i>
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(e) NAME(S) OF OUTSIDE PERSONS	(f) ACTIVITY REPRESENTED <i>Bu Aer</i> <i>Crosley</i> <i>"</i> <i>"</i>
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(g) PURPOSE OF CONFERENCE <i>To check on the progress being made by Crosley in the development of the AN/APD-2 (XN-1)</i>
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(h) TIME CONSUMED IN CONFERENCE <i>7 1/2 hours</i>
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(i) HIGHEST CLASSIFICATION OF MATERIAL DISCUSSED OR SHOWN <i>Confidential</i>	(j) NRL PROBLEM NUMBER <i>54R06-20</i>
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BRIEF OF RESULTS

The first of four models of the AN/APD-2 airborne microwave direction finder is nearing completion. This equipment, based upon the NL/APD-A developed at NRL, will cover the range of 1000 to 10,000 mc using a combined antenna assembly consisting of three separate antennas. All of the electronic circuitry - d-f indicator, amplifiers, and power supplies - will be contained in an AID case (5 x 7 x 19 inches). Some difficulties are still

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to be worked out, mainly ~~has~~ with the low-band antenna which has poor sensitivity, before putting the complete system through preliminary tests. Crosley estimates that the preliminary tests on the complete system will begin early in July 1955.

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