

CONSULTATIVE SERVICES RECORD
PRNC-NRL-10-631

~~TOP SECRET~~

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54R06-17
54R06-20

DATE April 6, 1955 SERIAL NUMBER 102-9711 FILE NUMBER 1111

1. This form is to be filled out in longhand or typed and returned to the Director after each conference between Laboratory personnel and outside persons.

2. CONFERENCE DATA

(a) DATE OF CONFERENCE 4-5-55 (b) PLACE NRL 102-9711

(c) NAME(S) OF LABORATORY PERSONNEL (Section and Code Number)
R.B. Owens 5435 V.S. Rose 5435A

5435A 5436

(d) NAME(S) OF OUTSIDE PERSONS (Bureau or Concern Represented)
R.D. Mayo

W.L. Honey National Research Council, Canada

A. Stanforth " " " "

F. Greene Defense Research Board, "

(e) PURPOSE OF CONFERENCE
To discuss crystal-video intercept and direction finding work and exchange related information.

(f) TIME CONSUMED IN CONFERENCE
5 hours

BRIEF OF RESULTS

The conditions were shown the airborne instantaneous direction finder, NL/ALD-A(XB-2), developed at NRL and also gives a description of its performance as determined in the laboratory and in flight. In addition, the research and development of intercept systems for frequencies above 10,000 mc was described and experimental antennas were demonstrated.

The results of tests performed on crystal detectors, ~~and~~ ^{vibration and burnout} ~~and~~ burnout, were explained.

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FORM 10-61

35- The Canadians revealed the results of their flight tests with the UPD-501 direction feeder which is similar to the NL/ALD-A. The UPD-501 is now in production, with the exception of the d antennas which are about ready to go into production.

