

Conf.

CONSULTATIVE SERVICES RECORD
PRNC-NRL-10-631

39R06-38

DATE August 19, 1953 SERIAL NUMBER FILE NUMBER

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

2. CONFERENCE DATA

(a) DATE OF CONFERENCE 8-18-53 (b) PLACE Countermessures Branch

(c) NAME(S) OF LABORATORY PERSONNEL (Section and Code Number)
R.B. Owens 3945
3945A

(d) NAME(S) OF OUTSIDE PERSONS (Bureau or Concern Represented)

(e) PURPOSE OF CONFERENCE To discuss microwave direction finding

(f) TIME CONSUMED IN CONFERENCE 3 hours

BRIEF OF RESULTS

[redacted] was shown the results of recent work on the instantaneous microwave d-f system being developed for BuAer. Bearing error data of the NL/ALD-A (four-channel d.f.) was disclosed. This included both instrumental error data and data obtained during flight tests at Patuxent. A brief demonstration of the two-channel crystal-video d.f., which employs four antennas and crystals, was also given.

SIGNATURE (over) [Signature] HANDLE VIA BYEMAN CONTROL SYSTEM ONLY

~~TOP SECRET~~
 Mr. Harey disclosed that the Canadian government is planning to produce from 100 to 300 of the crystal-video four-channel direction finder, ~~the~~^{AN/}UPD-501X, developed by the National Research Council. The exact number has not been determined as yet. This equipment will cover S and X-Band and is designed primarily for anti-submarine warfare.



~~TOP SECRET~~

HANDLE VIA BYEMAN / Talent Keyhole
 CONTROL SYSTEM ~~KEY~~ Gaintly