

CONSULTATIVE SERVICES RECORD

PR NC-NRL-10-631

~~CONFIDENTIAL~~ **SECRET**

39R06-38

DATE Nov 20, 1953	SERIAL NUMBER 1000001	FILE NUMBER 1000001
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1. This form is to be filled out in longhand or typed and submitted to the Director after each conference between Laboratory personnel and outside persons.

2. CONFERENCE DATA

(a) DATE OF CONFERENCE 11-19-53	(b) PLACE Countermeasures Branch, Radio II
(c) NAME(S) OF LABORATORY PERSONNEL (Section and Code Number) R. D. Mayo	
(d) NAME(S) OF OUTSIDE PERSONS (Bureau or Concern Represented) K. S. Kelleher, Nelpar, C. H. Thrall	
(e) PURPOSE OF CONFERENCE To discuss detector mounts and antennas for crystal-video intercept systems.	
(f) TIME CONSUMED IN CONFERENCE 2 hours	

BRIEF OF RESULTS

The various crystal detector mounts and antennas developed under NRL problems 39R06-38 and 39R06-48 were shown to the above visitors. The problems involved in designing crystal mounts and in selecting and measuring the characteristics of crystals were discussed.

The visitors expressed interest in crystal-video systems stems from a contract recently

SIGNATURE

3E-105PE

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DATE: *11-23-53*
S. CONFERENCE DATA
1. This form is to be filled out in plaintext or type (tabular) and outside of the box.

contract calls for development of

an airborne interest and direction finding system which will ultimately cover the frequency range of 30 mc to 35,000 mc.

(Call on one aircraft). Melpar plans to utilize multi-channel crystal-video direction

finders for the frequency band above about 1000 mc. The equipment is being developed for a high-speed aircraft still in the planning stages. The aircraft is being designed by Convair.

To discuss detector mounts and antennas for crystal-video interest systems.

BRIEF OF RESULTS

The various crystal detector mounts and antennas developed under WST program 3E-105-48 and 3E-105-49 were shown to the above visitors. The problems involved in designing crystal mounts and in collecting and measuring the characteristics of crystals were discussed.

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interest in crystal-video systems stems from a contact recently

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