DRAFT

SPECIAL CRYPTOLOGIC ADVISORY GROUP
(SCAG)

Agenda
for
Second Conference of SCAG
Opening on
10 July, 1951

Enclosure to AFSA-OOT's Memorandum dated 21 June 1951
Time: 9:00 A.M.  
Place: Office of the Director, Armed Forces Security Agency; Room 105, Building 19, Naval Security Station, 3801 Nebraska Avenue, North West, Washington

Time

9:00  1. Welcoming remarks:
    Rear Admiral Earl E. Stone, USN, Director, AFSA

9:05  2. Resume of ground covered at First Conference and general view of ground to be covered at this Conference:
    Capt. J. S. Harper, USN, Chief, Office of Research and Development, AFSA

9:10  3. Outline of program for technical sessions:
    Mr. William F. Friedmann, Technical Consultant, AFSA

9:15  4. Question and discussion period

Proceed to Conference Room, Building 20, Room 202

3. Presentation on crypto-machines employing rotors:
   a. Review of Enigma machine;
      LC. A. Gleason, USNR
      (Name to be designated by 03)

10:15  b. Question and discussion period

10:30  c. The Combined Cipher Machine (CCM):
      Mr. Frank Austin, AFSA - 41
      (Name to be designated by 03 or 04)

11:30  d. Question and discussion period

12:00  Lunch for SCAG members and AFSA conferences:
      LUNCHEON
      (Executive dining room, Naval Security Station Cafeteria)

TOP SECRET
Subject: TOP SECRET

Attn: All

Date: 10 July 1956

Time: 2:00 P.M.
Place: Room 202, Building 20, Naval Security Station


4. Discussion of logical design of certain cryptanalytic machines as presented on machine-cryptanalytic aids in the solution of rotor machines:

a. Logical design of certain cryptanalytic machines:
   
   2:00
   a. (1) Bombe -
   b. (2) Duesna -
   c. (3) Scritcher -
   d. (4) Warlock -
   e. (5) Message setting

b. Question and discussion period

(During this period it is desired that each SCAG member indicate the specific segment of the field of special interest to him; what additional information or briefing he desires; what he wishes to concentrate on, etc.)
**Morning of 11 July 1951**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 A.M.</td>
<td><strong>Discussion on engineering design</strong></td>
</tr>
<tr>
<td>9:30</td>
<td><strong>Presentation on cryptanalytic aids in solution of rotor machines</strong>, continued</td>
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<tr>
<td>10:00</td>
<td><strong>Engineering issues and problems in the construction and functioning of certain cryptanalytic machines used</strong> as</td>
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<tr>
<td>10:30</td>
<td><strong>Message setting</strong></td>
</tr>
<tr>
<td>11:00</td>
<td><strong>Question and discussion period</strong></td>
</tr>
<tr>
<td>12:00</td>
<td><strong>Lunch</strong> (Executive dining room, AHS Cafeteria)</td>
</tr>
</tbody>
</table>

**Time:** 9:00 A.M.  
**Place:** Room 2202, Building 6, Arlington Hall Station. (CE to designate)  

- **Anita**  
- **Duenna**  
- **Scratcher**  
- **Warlock**  
- **Message setting**  

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**TOP SECRET**
Afternoon of 11 July 1951

Time: 2:00 P.M.
Place: Room __, Building __, Arlington Hall Station (O2 to designate)

Time

2:00

Seminar

6. Presentation on electronic representation of rotors:
   (Name to be designated)

2:30

Presentation and discussion period

2:30

7. Presentation on known mathematical principles of wired rotors:
   (Name to be designated)

b. Question and discussion period

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Sessions after 11 June 1951:

Individual visits to working sections and discussions with technical personnel engaged in working on specific problems in the field of interest.

Final Session

(To be decided later. At this session it will be desirable to discuss with SCAG nominees for additional membership.)

5

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1. Welcoming remarks:
   Rear Admiral Earl E. Stone, USN, Director, AFSA;
   Mr. Edwin A. Speakman, Executive Director, Committee on Electronics, RDB; and
   A representative of the Director of Central Intelligence

2. Outline of program for this Conference:
   Capt. J. S. Harper, USN, Chief, Office of Research and Development, AFSA

3. Presentation on certain cryptographic devices.

   *   *   *   *   *

   LUNCHEON

   (Executive dining room, Naval Security Station Cafeteria)

   *   *   *   *   *

4. Discussion of logical design of certain machines used as aids in the solution of cryptographic problems.
11 July 1951

Time: 9:00 A.M.
Place: Room 0200, Building "B", Arlington Hall Station.

5. Discussion of engineering design and problems in the construction and functioning of certain machines used as aids in solution of cryptographic problems.

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LUNCHEON
(Executive dining room, AHS Cafeteria)

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7. Seminar on known mathematical principles of rotors.

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