AFSA-007/dk Serial:000159

TOP SECRET

TOP SECRET

28 JUN 1951

MEMORANDUM FOR: Mr. Edwin A. Speakman, Executive Director, Committee on Electronics, RDB

SURJECT: 2d SCAG Conference

- 1. The enclosures are forwarded for your information. I hope that you will be able to attend all meetings of this conference. In this connection, as far as AFSA is concerned, we would like henceforth to consider you a member of SCAG, ex-officio.
- 2. Enclosure 2, which is extracted from Enclosure 1 and classified SECRET, can be sent to SCAG members in extending the formal RDB invitation. I enclose copies for this purpose.
  - 3. a. You will note that we have scheduled two presentations by SCAG members:
    - (1) By Mr. Desch, who is best qualified to discuss item 5g of the Agenda, as far as concerns the Navy machine.
    - (2) By Mr. Howard, who is best qualified to discuss item 5b.
- b. I am writing to these members to request their consent to making these presentations and to give them time to prepare for them.
  - 4. Please declaraify this memorandum when enclosures are removed.
- 5. I personally appreciate your splendid cooperation on the SCAG project, and feel that after the next meeting it will be firmly established, and should be of great value in the years shead.

Inclosures - 3

1. Agenda for 2d SCAG Conference (1 copy)

2. Extract from Agenda for 2d SGAG Conference (11 copies)

3. AFSA-OOT memo dtd 25 Jun 51 (1 copy) EARL E. STONE
Rear Admiral, U.S. Navy
Director, Armed Forces Security Agency

W.F.Friedman/ef/27 Jun 51 AFSA-OOT/ext 60240 E.S.L.Goodwin/meb/27 Jun 51 AFSA-11/60235 RADM Earl E Stone/dk/27 Jun 51 AFSA-OO, Ext 60528

CC: AFSA-111 (3)

Declassified and approved for release by NSA on 09-11-2014 pursuant to E.O. 13526

AFSA-007/dk Serial()()()159

TOP SECRET

28 JUN 1951

MEMORANDUM FOR: Mr. Minds A. Spenkman, Executive Director, Committee on Electronics, RDB

SUBJECT: 24 SCAG Conference

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Modlosures - 3 1. Agenda for 24 SGAG

Conference (1 copy) 2. Entract from Agenda for 2d SCAG Conference (11 copies)

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> W.F.Friedman/ef/27 Jun 51 AFSA-OOT/ext 60240 E.S.L.Goodwin/meb/27 Jun 51 AFSA-11/60235 RADM Earl E Stone/dk/27 Jun 51 AFSA-OO, Ext 60528

CC: AFSA-111 (3)

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AF3A-00/wn Serial:000162

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28 JUN 1951

MEMORANDUM POR MR. KINGMAN DOUGLASS, ASSISTANT DIRECTOR, GURRENT INTALLIGENCE, GIA

SUBJECT: Agenda for Second Conference of SCAG, 10 July 1951

L. Enclosed herewith for your information is a copy of the agenda for the second conference of SCAC which is scheduled to open at the Haval Security Station, 3801 Hebraska Avenue, Washington, D.C., on 10 July 1951. Please note that at the nine o'clock meeting on the first day I have scheduled welcoming remarks to be made by a representative of the Director of Central Intelligence. As I already stated to you personally, I will be very pleased if the Director of Central Intelligence can make those remarks at that meeting.

2. Please declassify this memorandum when enclosures are removed.

Enclosure - 1 Agenda for 2d 3CAG Conference EARL E. STONE
Rear Admiral, U.S. Navy
Director, Armed Forces Security Agency

Copy to: (w/o Encl)
AFSA-OOB
AFSA-OOT

This document contains information affecting the national defense of the United States within the meaning of the Espianuse Laws, Title 18, U.S.C., Sections 793 and 794. The transmission or the revelation of the

RAIM Earl E. Stone/wn/28Jun5l AFSA-00, Ext 60528

AFSA=00/dk

RECTRICTED

23 May 1951

### MEMORANDUM FOR AFSA-OOB:

SUBJECT: SC

SCAG Conference - 4-5 June 1951

- 1. I plan to serve a simple buffet lunch on MONDAY, 4 June in my office (Room 19-118) or AFSA Conference Room (Room 19-125) for the SCAG members (about 7 people) plus the AFSA Deputies.
- 20 I want to be sure each visitor is personally attended on each day = including luncheon on TUESDAY, 5 June = when I shall be otherwise engaged.
- 3. Please have AFSA=OOT arrange so that a key AFSA officer or civilian is detailed to each visitor for this purpose, as appropriate = and AFSA=OOT arrange with CO, NAVSECSTA so that good service is available to visitors at our cafeteria during lunch time on 5 June = in the Executive Dining Rooma
- 4. By copy of this memorandum, AFSA=16 will make arrangements for issuing appropriate badges to the visitors.

EARL E. STONE

2 E. Stone

Rear Admiral, U.S. Navy

Director, Armed Forces Security Agency

Copy tos

CO, NavSecSta

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AFSA-OOA AFSA-O2

AFSA-OOC AFSA-O3 AFSA-OOT AFSA-16

RESTRICTED

REF ID:A66070

## TOP SECRET

DRAFT

SPECIAL CRYPTOLOGIC ADVISORY GROUP (SCAG)

Agenda

for

Second Conference of SCAG

Opening on

10 July 1951

## TOP SECRET

## Agenda for 10 July 1951

Time:

9:00 A.M.

Place: Room 202, Building 20, Naval Security Station, 3801 Nebraska

Avenue, North West, Washington

1. Velcoming 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. Presentations on cryptographic devices employing wired rotors:
  - a. Review of Enigma machine:

LCDR. A. Gleason, USNR

- b. Question and discussion period.
- c. The Combined Cipher Machine (CCM):

Mr. Frank Austin, AFSA-41

d. Question and discussion period.

\* \* \*

#### LUNCHEON

(Executive dining room, Naval Security Station Cafeteria)

\* \* \* \* \*

- 4. Discussion of logical design of certain cryptanalytic machines used as aids in the solution of rotor machines:
  - a. Bombe

- Dr. H. Campaigne

b. Duenna

- LCDR. M. Hall

c. Scritcher

- Mr. A. Dumey

d. Warlock

- Dr. J. Eachus

e. Message setting - Dr. S. Kullback

(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.)

### 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 cryptanalytic machines used as cryptanalytic aids in solution of rotor machines:

a. Bombe - (lir. L. Rosen - Army type (lir. J. Desch - Navy type

b. Duenna - Fr. J. Howard

c. Scritcher - Mr. R. Bowman

d. Warlock II - Dr. J. Eachus

e. Message setting - Mr. L. Rosen

#### LUNCHEON

(Executive dining room, AHS Cafeteria)

\* \* \* \* \*

6. Seminar on electronic representation of wired rotors:

a. Matrix-half Hebern - Mr. Roger Moulton

b. URSA - Dr. J. Eachus

c. Slide tube - Mr. R. Sikes

d. Shift registers - Mr. L. Rosen

e. Delay line modifications - Mr. R. Bowman

7. Seminar on known mathematical principles of wired rotors:

Dr. H. Campaigne, with

LCDR. M. Hall

LCDR. A. Gleason

Sessions after 11 July 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 their recommendations for nominees for additional membership.)