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MINUTES OF THE MSA SCIENTIFIC ADVISORY BOARD MEETING HELD ON 7 APRIL 1955

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1. The following were present at the meeting.

a. Board Members:

Mr. J. C. McPherson, Chairman

Mr. M. P. Corvith

Mr. A. W. Horton

Dr. H. T. Engstrom (arrived 0930)

Dr. J. von Neumann (arrived 1425)

b. MEA Executive Group for Board Affairs:

Dr. S. Miliback, Vice Chairman

Mr. A. B. Clark

Dr. H. H. Campaigne

Dr. R. A. Leibler

e. MSA Observers:

Major General J. B. Ackerman, USAF

Brig. General W. M. Burgess, USAF

Dr. J. J. Lachus

Dr. H. Myquist

Mr. M. M. Matthews

Mr. C. J. Schierlmann

Mr. J. J. Connelly

Mr. H. L. Conley

Mr. H. DeFrancesco

Mr. D. R. Hogan

Dr. A. W. Hesse

Dr. H. H. Shav

Captain I. T. McDonald, USAF

Captain R. J. Scott, USAF

d. Recorder:

Miss. C. Johnson

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- 2. Mr. Clark opened the meeting by introducing Mr. Conley from PROD.
- a. Mr. Conley's talk concerned traffic analysis. There followed a brief discussion of the problem of intercepting hand-sent morse traffic and the difficulties involved in developing a translator to do the job automatically.
- b. Mr. DeFrancesco of H/D briefed the Board on the intercept of weather information and its strategic value.
- 3. Mr. Hogan presented a talk on the general features of Analytic machines, with some specific illustrations of their applications.
 - 4. Dr. Hesse gave a presentation on Special Machine Systems.
- 5. Dr. Leibler described various hard systems of engipherment used and some of the techniques of cryptaralysis.
- 6. Mr. Rogan gave a survey of analytic machines explaining their various functions.
- 7. A discussion followed concerning ratings and certain possibilities for improving analytic machines.
 - 8. Dr. Engstrom reported for his Committee on analytical machines.
- 9. The possible use of machines for automatic programming was discussed.
 - 10. Mr. McPherson presented a report of the Electronics Panel.
 - 11. The meeting adjourned at 1630.

MOTE: Friday, 8 April, was left as an open date, during which time Board members might study particular subjects of interest. A verbatim record of the Board proceedings and individual reports will be on file in the Office of the Special Assistant for individual study.

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