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[Redacted]

MINUTES

Research, Development and Production Review Board

I. Meeting #41 of the Research, Development and Production Review Board was held in the OC Conference Room at 1400 on 2 February 1955. The following persons were in attendance:

[Large redacted area]

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II. Under Agenda Item I, Old Business:

1. The minutes of Meeting #40 were approved.
2. Report of Significant Changes in Projects' Status.

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ACTION

[Redacted] The modified version of the [Redacted] and tests were made to determine the magnitude of the crystal current and the power output under various operational conditions. The results indicate that the crystal current is excessive and is considered unacceptable for type FT-243 crystals. The Laboratory will modify this set as they did the earlier version in an attempt to bring the crystal current within satisfactory limits.

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[Redacted]; 2 consultants from the Contractor, one on the Base Station equipment and one on the field units, have been working with R&D personnel for the last two weeks. The Base Station equipment has been completely checked out and is in satisfactory operating condition. The field units are still being modified in order to obtain full rated power output. It is now expected that the field tests will commence approximately 15 February and as soon as this is finalized, schedules will be made available.

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[Redacted] Voice Secrecy Equipment: Following an inspection of the progress on this project by NSA and Agency personnel, a conference was held at NSA. It was the opinion of the NSA representatives that the project should be continued as they felt there was a chance of getting some useful equipment out of this program. Accordingly, the

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contract has been extended for approximately three months and an additional \$30,000 has been made available.

HT-4 Modification: The proposals to supply 100 modified kits and to modify 12 transmitters to provide continuous duty operation were opened in Logistics on 27 January. Telephone information indicates that the low bidder is the [redacted] with a quotation of \$7,000.

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Quadricode: The proposal for the continuation of this contract has been received. The proposal provided for the supply of five field units and the modification of the existing Base Station unit, the total work to be done in a period of 12 months. The field units will represent a 40% reduction in size over the present [redacted] equipment and a 25% reduction in weight. Additionally, the field units will be capable of being [redacted]

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[redacted] and can be assembled into one unit on a plug-in basis. The modification to the Base Station equipment envisages the development of an automatic read-out system so that an operator will not have to visually scan the recorded signals. The total cost for the project which will be contingent upon the successful completion of Phase I, approximately \$385,000.

The Board approved the proposal of the [redacted] for the continuance of the Quadricode program.

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3. Establishment of OC-S Representative as a Regular Board Member: The Chairman welcomed the Acting Chief of OC-S as a regular member of the Board, his appointment having been confirmed by Communications Order #4-55 dated 17 January 1955.

4. Report on Discussions between O&T Division and Engineering Division relative to Project [redacted] Engineering Division reported that O&T had concurred in the establishment of Project [redacted]

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ACTION

5. Report by O&T Division on Requirements for 500 Watt Transmitter: O&T Division reported that a review of the requirements for the 500-watt transmitter had indicated that procurement should be initiated for a quantity of 117. The Board agreed that these should be the HT-4 type of transmitter and the procurement should be made through normal channels, ie, MSB action. Engineering Division will continue its investigation of the substitute transmitter and report to the Board on the feasibility of obtaining a few for test so that if such tests prove satisfactory, future procurements can be directed toward the new type of transmitter rather than the HT-4.

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ACTION

6. PAMM Automatic Keying Device: The Secretary read to the Board a memorandum received from the Chief, FI, directed to the Office, which described discussions between [redacted] and [redacted] of the FI/Ops Staff concerning the status of the PAMM Automatic Keying Device. The memorandum further stated that FI had considerable interest in AS-1, ET-2, and PAMM, and that in reviewing the OC Quarterly Progress Report they had noted that PAMM and the ET-2 Keying Device had a Priority II while the AS-1 has a Priority I. The memorandum further recommended that all three projects should have a Priority I. The Engineering Division was directed to prepare a reply to this memorandum for ADCO's signature indicating what these priorities meant and informing FI that the priorities are established by the R&D Board.

7. 1½ to 3 MCS Version of the RS-11: The O&T Division reported that they had considered the matter of a need for 1½ to 3 mcs version of the RS-11 and concluded that there was no requirement for this equipment.

III.

Under Agenda Item II, New Business:OC-E  
and  
OC-O&T  
ACTION

1. Proposal for Procurement of [redacted] Equipment: The Engineering Division's recommendation that one such equipment be procured and installed at the American Base Station was discussed. Chief, SP Division, recommended that this be expanded to 3 or 4 and that they be installed overseas for test in those areas. Considerable discussion followed relative to the feasibility of so doing without having any trained personnel available for the operation of the equipment. The Chairman stated that he thought that the use of [redacted] should be established as a project with O&T and SP personnel assigned as operational project personnel. It was agreed that the Engineering Division would obtain proposals from the manufacturer for one, two, three, or four units. They further agreed to investigate as to whether or not [redacted] was the only manufacturer of the equipment and to include in the proposal manufacturers' consultation of the installation and operation of the equipment as well as request for training program to be established. In addition, O&T coordinating with SP was directed to prepare a program for the operational evaluation of [redacted] and if satisfactory, for the eventual operational use thereof.

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ACTION

2. Development of Tandem One-Time Tape Equipment: This item was referred to the Engineering Division for study and report back to the Board. [redacted] several years ago wrote a report on this subject, which should be in the files.

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OC-E  
ACTION

3. Development of Physical Security Devices for the Protection of Sensitive Material: This item was referred to the Engineering Division for study and report back to the Board.

4. Mechanical Filter Modification of 51-J-3 Receivers: The Engineering recommendation that 200 modified kits be obtained to provide front-panel selection of 3 mechanical filters for 51-J-3 receivers was discussed and the recommendation was approved.

5. The Chairman read to the Board the recommendation made by the Engineering Division that the R&D Quarterly Report be changed to a semi-annual report and that each of the semi-annual reports be prepared on a cumulative basis. This recommendation was approved by the Board.

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6. [ ] raised the point of the various procurement difficulties, particularly time-wise, that have been encountered by the slowness of the Logistics Office procurement procedures. The Chairman stated that he believed the only way anything could be done in this matter was for a very detailed staff study to be prepared and presented to the Chief of Logistics for his consideration.

The Secretary read from Logistics' Notice N 45-500-3, which covers cut-off date for procurement, such date being 1 May 1955. It was pointed out that this in effect reduces our procurement year by two months and together with the usual delay at the start of the fiscal year, due to firming up of the budget situation, in effect presents Engineering with an 8-month procurement cycle rather than a 12-month one.

OC-O&T  
ACTION

7. The Secretary presented to the Board one AN/PRR-5 receiver. This unit has been developed by the Signal Corp for the Psychological Warfare Division of the Army and is a broadcast receiver, battery-operated, with a 6 - 9 month battery life and capable of being procured at a cost of \$15 to \$19. The unit was turned over to O&T Division and they were requested to report promptly to Engineering whether or not they desire to obtain 5 more units which had been ear-marked for Psychological Warfare for delivery to the Agency.

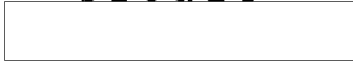
8. The Secretary presented to the Board the warning receiver that had been designed on a crash basis at the Laboratory to meet a field requirement. It was pointed out that this unit was being sent overseas for their evaluation and comment, and that it was one of a series of such units which would have to be developed to meet complete operational requirements.

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IV. The Board adjourned at 1700 hours. The next regular meeting of the Board will be held on 2 March 1955 at 1400 hours. The Ideas and Requirements Panel will meet on 16 February 1955 at 1400 hours.

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Distribution:

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Members and those in attendance  
listed in Paragraph I  
R&D Internal Projects  
R&D External Projects (2)  
PEB  
MSB

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