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6 May 8-618

Office Memorandum • UNITED STATES GOVERNMENT

TO : The Files

FROM :

[Redacted]

SUBJECT:

Contract RD-122 - AS-3, [Redacted]

DOC	14	REV DATE	19 MAR 1980	BY	064540
ORIG COMP	033	OPI	56	TYPE	02
ORIG CLASS	S	PAGES	2	REV CLASS	C
JUST	22	NEXT REV	2010	AUTH:	HR 70-2

DATE: 26 May 1958

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1. General - A visit was made to [Redacted] on 20 May 1958 in connection with the development of the [Redacted] AS-3. Present for discussions were:

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[Redacted]

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2. Personnel - On behalf of this Office an expression of sympathy was made to the associates of [Redacted]

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[Redacted]

3. Progress - Modifications recommended on a previous visit have been completed and the company is engaged in hardware packaging of two prototypes. Progress is considered slow but of high quality. The company hopes to complete one model by early June and the second by mid June thus allowing two weeks for testing prior to delivery. The engineering model is also being brought up to date.

4. Progress Reports - The company is again delinquent in submitting progress reports. This matter was mentioned but not pressed since any insistence in this area could mean a delayed equipment delivery.

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5. System Test - The company again reported that they had not made a complete system test due to not having suitable step-down tape recording equipment. The importance of a complete on-the-air system test was stressed and a desire that such tests be completed prior to delivery was made known.

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[Redacted] suggested a live test between [Redacted] and Washington, and [Redacted] agreed to advise when they were ready for such a test. We will provide a frequency, crystal and FCC concurrence. The test date is tentatively 16 June. The receiving link will be at Alcott Hall.

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6. AC Supply Metering - The 70 - 270 volt tap switch, when depressed, provides meter readings that correspond to the AC input. The actual voltage is the voltage input to the regulator. If too low the meter reads low and

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if too high circuit breakers open the circuit. The correct unregulated voltage is 17 volts. When the tap switch is not depressed the meter reads 12 volts, the regulated output. Having two voltages to read would only confuse an operator and add to equipment complexity. [] said the 12 volt reading was provided to indicate that the series transistor in the regulator was not shorted. The company was instructed to remove the dual function of this meter since this was a service function and a 12 volt reading for indicating battery voltage is on the transmitter.

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7. Battery Charger - The dimensions of the battery charger are 6" x 4" x $2\frac{1}{8}$ ". The company was queried on the $2\frac{1}{8}$ " dimension, and [] agreed that the thickness dimension could be reduced to $1\frac{1}{2}$ " with the use of a pan-cake transformer. The battery charger could then be transported in a pocket and could be considered general purpose rather than only an AS-3 component. The chargers to be delivered, however, will have the $2\frac{1}{8}$ " thickness dimension. [] will give us a quotation on 16 - 20 chargers (for the RS-16) with the reduced thickness dimension in about one week. The company advised that they were not successful in locating satisfactory circuit breakers and would fuse the battery charger. [] agreed to provide clips for spare fuses in the storage compartment.

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8. It was agreed that the Government would supply universal type power plugs for the AS-3 as GFE.

9. [] advised that the model shop was overloaded with work and that the connectors for the RR/D-11 receiver and TP-3 Printers were being fabricated by a sub-contractor.

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10. Lab. note - [] mentioned that the encapsulated plug-in amplifiers of the TP-3 were switched around and therefore failed to operate. He suggested that perhaps the plug-in components should be keyed.

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11. Batteries - In a battery discussion [] said that a new battery O-ring seal as well as new cell design will prevent battery leaks, The Nickel Cadmium Battery Corporation, East Hampton, Mass., has been purchased by Gould National Battery Corporation and is now a Division of that company.

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