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Spark plug connectors. Some failures have occurred with these, but the number of experiments performed have as yet been rather meager. The first M-2 sets will come in with the spark plug connectors. Much more work is necessary to prove them either good or bad, and meanwhile suitable substitutes are being investigated.

Field priorities - Bacher believes that it is up to G-7 to fix it so that priority problems do not arise in the field. This can be done by "yelling for more people" and by training people at the sites to do their own servicing. Even more shots than are being used now will be fired at most sites in the future. The firing of shots must not be dependent on G-7's supply of men serving detonators. The firing schedules are now being limited by the production of castings by S site. This production, however, is rising rapidly.

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~~PER DOC REVIEW JAN 1973~~

Double detonators in the field: Double detonator design by Henderson using CIT's booster method is being put into our shop. By April 1st Henderson expects 300 of these to be delivered per week, and wants us to load them. These will be used for testing. An order has been placed by Henderson at CIT for 1000 per week. It has not as yet been placed by CIT, since they were trying to throw out Henderson's model. If, however, it is adopted for our gadget, we will want the same kind for field use. As quickly as we can we should see that no lens shot is made in the field without double detonation. The absolute urgency on this work depends on how good our detonators are.

Fitzpatrick has promised us 50 of the revised temporary double detonators for today, and 25 per day from now on (he will not meet this schedule - 3-29-45).

We have about 4000 loaded CIT L-F 3 detonators on hand now and expect 8000 more to arrive soon. CIT will start making the L-F 5's very soon. However, with the present shape adapter they are not good for double detonation. This should be able to be changed so that they can be used.

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Lofgren will write a set of specifications for the CIT 1-E 5's
detonators according to the best results we have achieved with our 1-E 3's.

Vogel's camera section: The camera section is to be coordinated
under Johnston with his other sections. It will remain a separate section
for the time being.

Hornig's firing program will taper off. There will be one big
smurt at the end of the week, after which high priority shots will come
only at intervals of 2 to 3 weeks. We should, however, reserve time for
about one shot per day for Hornig.

The final double detonators cannot be shot at South Mesa under the
present conditions because they contain too much explosive. They can be
shot by Greisen when he gets the new Bowen camera, and probably can now be
done with Hoffman's set-up. We should be able to fix Fulbright's firing
room for these shots if necessary. Boiler plate can be used for reinforce-
ments. Captain Davalos should be consulted about this. We will, however,
try to get Henderson to relieve us of this shooting.

Seely will have a section over which Johnston will have a coordi-
nating position. Seely is to review the present explosive situation from
procurement to experiments and to give us advice on how adequate our controls
are.

Redacted Thomson

The Raytheon box

must work at 100% humidity and at a temperature from minus 40 degrees C. to
50 degrees C. Stephenson set up these specifications and should be consulted.
The length of storage must also be known.

Johnston's Research Section: Johnston suggests that Knudsen's work
be made into a separate section.

Lofgren emphasizes that although we have sections, these should not
be too formal and that trading of men between sections should be done whenever
necessary.

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3

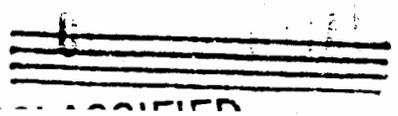


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The section will concentrate on war head program with the object of getting to Henderson's double detonators. They are working on loading 1-E 5's now. Some work has been done on 1-E 8's with special regard to sparking the sides. Indications are that the sparking will not occur.

- cc: Bradner
- Buchanan
- Fisher
- Johnston
- Lofgren
- McDonald
- Bacher ✓
- Hornig

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4