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AFWL request for assistance

AFWL has requested assistance in instrumentation of their simulator of air-shock-induced ground-shock. Since their terminal and grand effort is to be in November or December it does not seem practical that we consider doing this instrumentation. Yet we should and will volunteer to consult with them in their efforts to develop their own capability. We will probably be able to furnish them some instruments in return for money for re-orders. Dr. Hansche indicates that he will probably object to an operation of this magnitude taking place on Sandia Base, there being too many activities here for safety any way.

Slice

Schedule: January 8 to March 1965, or perhaps later. Consideration of cannisters needed is underway with no difficulties. LRL has proposed that we consider instrumenting a vertical hole over the shot in addition to the survey instrumentation already planned. We have made no answer and are not sure what we shall wish to answer yet. Dorris Hankins is interested in a possible seismic station at Las Vegas for this shot.

Pahute Mesa Instrumentation

Because the medium in which the Flat shot was to be fired has had much less zeelitized tuff than hoped for, LRL has cancelled planned instrumentation of Flat. A letter from R. C. Fletcher implies that we shall be interested in instrumenting some substitute shot or shots providing money can be found for them. ? x

Probable substitute measures are these: About January 1965 the first LASL shot at Pahute Mesa will take place. It has been verbally proposed that we make surface measurements on that shot. A proposal is needed to cover this activity and W. D. Weart will prepare it. The earliest time at which we can foresee a shot in a proper thickness of zeelitized tuff is March 1965. Details being uncertain, we don't propose to propose anything on it yet.

Piledriver

Schedule: Probably September 1965, although pressure from HQ-DASA has resulted in investigation of the possibility of doing it in June. In either case some instrumentation has to be installed this fall.

Tar and Sand

Schedule: October, November 1965, or Salmon plus 14 months. We noted that no one knew where we stand on the proposed development of instrumentation on the cavity wall. It was suggested that Gerry Laursen and Joe Wistor get together with A. J. Chabai on this subject.

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What is PICKAXE?

Pickaxe

Andy Max has taken over operation for this program from Walt Hyde. There was a good deal of discussion of the consequences of no overtime being permitted.

Tonopah Test Range tests

Mike Triest is doing a very good job. The immediate bottle neck is the slowness of data reduction which general subject will be a matter of discussion between Hansche, Vortman, North, and Murphey on Friday.

Coyote Test Field Operation of R. C. Bass

Shots are being fired at the rate of two a week and in the fall will probably increase to four a week.

Tiny Tot

Schedule: March 1965

At the moment, drilling in the hole opposite the Piledriver site is showing much thicker weathering of granite than had been anticipated and it may be that this shot will have to be moved. M. L. Merritt is asking for increased Sandia support on Ferris Wheel nuclear shots and from 7250 some A-6 support. He is to write a letter to Andy Max making the request formal.

Gumdrop

Schedule: March to May 1965

Roy Tidwell has an obligation, or feels obliged, also to support a Hot X-ray shot and Sugar Cane. There is a request for Hydyme participation in Gumdrop but Bob Bass is very doubtful of being able to get meaningful information. He will investigate further to see who has asked for support so that he may tell that person formally that the results may well be questionable.

Hydyme

R. C. Bass reports everything working wonderfully well in Nevada but he said that he heard a rumor that REECO Radio Shop might to a different contractor, such as RCA. This would affect the support given this project.

MLM:5412:lmb

- T. B. Cook, 5400
- B. F. Murphey, 5410
- C. D. Broyles, 5413
- G. E. Hansche, 7240
- R. A. Richards, 7245
- J. C. Eckhart, 7250
- A. J. Max, 7254
- File, 5412