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J-150-131

7 October 1955

Dr. B. J. Brettler
Edgerton, Germeshausen and Grier, Inc.
160 Brookline Avenue
Boston 15, Massachusetts

Subject: ANALYSIS FOR WEATHER BUREAU

RG 326 US ATOMIC ENERGY
COMMISSION
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(Machta)

Dear Ben,

In the last two days several of the people who are concerned with fallout forecasting have been here and we have discussed improvements to be made in the cloud models. The Weather Bureau people, under Lester Machta, intend to put some lateral dimensions into their model and feel they would gain a great deal from suitable photographs. In particular they would like measurable enlargements of frames taken at the "time of stabilization", which in our terms means the time at which the top of the cloud is a maximum and before it subsides, if it does.

They would like enlargements on paper approximately 8 1/2 x 11 with a scale on the picture or some other clue to the dimensions at the object. Where you have them they would of course like two cuts to permit better measurements.

The prints should be good enough to permit measurements accurate to roughly ±5% wherever possible, but Machta will use anything he can get. -

Except for the first Wasp at Teapot, our interest is confined to tower and surface bursts only. By operations, the order of priority is:

1. Teapot
2. Greenhouse
3. Upshot-Knothole
4. Tumbler-Snapper
5. Castle
6. Ivy Mike
7. Jangle B

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I suggest that you get in touch with Machta for details. He will tell you, if you like, exactly what times he is interested in for most of the shots. His address is:

Dr. Lester Machta
Special Projects Section
Scientific Services Division
U. S. Department of Commerce
Weather Bureau
Washington, D. C.

Phone: Adams 2-3200

If there is any question about this please call me.

We all enjoyed seeing O'Keefe in a Lookout Mountain production the other day. Clark said to me, "Barney is saying, 'I hope the --- --
- ----- goes off,'" but loud enough for all to hear.

Sincerely,

Original Signed by
GASLEN L. FELT

Gaslen Felt

GLF:les

Distribution:

- 2 - B. Brettler
- 1 - L. Machta
- 1 - V. Shelton
- 2 - LASL M&R
- 1 - G. Felt ←

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