

NATIONAL CENTER FOR ATMOSPHERIC RESEARCH  
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May 24, 1971

NHRE  
Report file

Post Office  
Box 1470

Mr. Daniel Hunt, Jr., Head  
Office of National Centers  
and Facilities Operations  
National Science Foundation  
Washington, D. C. 20550

Dear Dan:

This is the tenth report on the National Hail Research  
Experiment (NHRE).

1. Activities

a. Grover Site. Construction of the site at Grover began  
4 May 1971. Construction is well in hand after an initial delay  
resulting from the weather and last minute negotiations for use  
of the site. The latter resulted when the State of Colorado  
failed to keep the previous lessee, Mr. John Bauman, properly  
advised. This matter has been resolved.

b. Schedule. Originally we had planned to erect radars and  
other heavy equipment on 26-28 May. This is now scheduled to take  
place on 1-3 June. This delay will not seriously affect the program  
since during the first several weeks it is our plan to test systems  
and operational procedures. This includes the calibration and in-  
flight comparisons of airborne observing systems.

c. Operational Plan. The Operational Plan for 1971 has been  
under preparation over the past several months. A meeting was  
held on 30 April during which all participants had the opportunity  
to comment on the Plan and to recommend changes to it. Most of  
these have now been incorporated. The Plan is being printed and  
will be mailed by the end of this week.

d. Special Use Airspace. The FAA has agreed to a Special Use  
Airspace that will extend from the surface to the maximum altitude  
desired. All IFR aircraft will be routed around this area. The FAA  
has also agreed to provide the controllers whose job it will be to  
control the NHRE aircraft within the Special Use Airspace.

2. Government Agency Participation

There have been no significant changes since the previous report. The U.S. Army and U.S. Air Force rawinsonde teams will be operational 1 June, as will the NOAA-managed hail and precipitation networks.

3. University Research Support

There has been one addition since the previous report, involving the University of Nevada, Desert Research Institute. The cost of this subcontract is \$15,000 and it provides an M33 Radar System modified so that the radar data coordinates are in signal format compatible for entry into the NHRE computer.

4. Advisory Panel

The second meeting of the Advisory Panel was held 26 March 1971. The minutes of this meeting have been distributed. A copy is attached for your information.

5. Personnel

Since the last report, two additional persons have been added to the NHRE staff. They are:

a. Mr. Frank E. Robitaille. Mr. Robitaille transferred from the Laboratory of Atmospheric Science and will serve as the Data Manager. As such he will be responsible for the cataloging and distribution of the data.

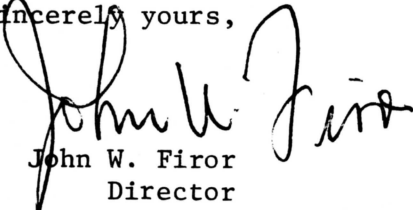
b. Mr. Dennis J. King. Mr. King is an electronics technician who will assemble the liquid water meter.

6. Equipment Procurement

There have been no changes since the previous report. Most of the essential equipment will be on hand prior to 1 June. The exception is the 8.5-meter diameter antenna from Radiation Systems, Inc. It is now expected that this antenna will be delivered on about 15 June. It will be erected at the Grover site.

In closing, I would like to extend an invitation to you to visit the NHRE this summer.

Sincerely yours,



John W. Firor  
Director