

NATIONAL CENTER FOR ATMOSPHERIC RESEARCH

P. O. Box 3000 • Boulder, Colorado 80303

Telephone: (303) 494-5151 • TWX: 910-940-3245 • Telex: 45 694

NATIONAL HAIL RESEARCH EXPERIMENT NEWSLETTER

July 23, 1976

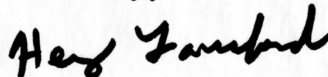
With only one more week to go in the 1976 field program of the National Hail Research Experiment, we feel that this has been a successful summer in terms of getting the new data that we need on the physics and dynamics of high-plains hailstorms. Analysis of this summer's field data should provide a sound basis for designing cloud-seeding experiments to be conducted in future summers. No cloud seeding has been done this year.

Since last Friday, there has been some thunderstorm activity over the research area on every day except Monday, July 19. Our aircraft flew on all the other days, and we had an exceptionally good research day on Thursday, July 22. A big thunderstorm developed near Kimball, Nebraska, around 3:30 p.m. and moved down into northeastern Colorado. All of our research aircraft worked this storm, including the armored T-28, which made several penetration flights to collect data inside the storm. Heavy rain and marble-size hail fell from the storm, which laid down a swath of hail five or six miles long and about a mile wide northwest of Sterling. The aircraft observed the storm for about two hours, and the radar continued to track it until about 7:00 p.m. as it moved off past Sterling, bringing a good bit of rain to the area.

The Citizens' Council on Hail Research met at our field headquarters north of Grover, Colorado, on Thursday evening, and had a chance to see the NHRE control center, radar, and other operations in full swing as we studied the big thunderstorm to the east. They also heard a summary of this summer's research from Dr. Brant Foote of the NHRE staff and Dr. Donald Veal, director of the experiment.

Our next newsletter will be the final one for 1976. In order to include all of the last week's field work, which is scheduled to continue through Saturday, July 31, we will send the newsletter out on the following Monday, so you can expect to receive it two or three days later than usual.

Cordially,



Henry Lansford  
Information Officer