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3 November 1976

MEMO TO: Cliff Murino

VIA: Bob Serafin *Bob*

FROM: *Bob* Bob McBeth

SUBJECT: Monthly Activities Report (October 1976)

I. SYSTEMS DEVELOPMENT

A. Radar Data Systems - Work continues on the Display Processor for the CP-4 and operating systems are being generated to incorporate the new Disc Drives.

B. PAM - The principle effort on the PAM has been in planning and scheduling for the expansion to 30 remote stations and making some retrofit improvements to the original stations. Firm bids have been received on the PAM remote stations van and NSF approval for the purchase of the truck has been requested.

C. Radar - The Doppler calibrator for the CP-3 is completed and is in use.

II. SYSTEMS MAINTENANCE AND CALIBRATION

A. Radar - The CP-4 radar is being prepared for field deployment to the Port of Indiana near Gary in early December.

III. SUPPORT

A. University of Washington (CYCLES Project) - The CP-3 radar was moved to Ocean Shores, Washington on October 23. The weather was cooperative and the system was set up with few problems. The radar will be operational until December 17 with a short break over the Thanksgiving holiday.

B. Desert Research Institute (University of Nevada) - DRI is currently engaged in a stratus cloud research project at the Farallone Islands using a BLP system. They report good initial results from their study.

C. CU X-band Radar - Work was concluded on modifications and maintenance on Professor Warren Flock's X-band radar at Marshall. Flock will be conducting bird studies in Washington State and Alaska next year.

IV. OUTLOOK

A. Testing and calibration of the CP-4 will be conducted at Marshall in mid-November, prior to deployment to Gary.

B. Colorado State University will be using twenty-five Climet wind systems and some small meteorological recorders in a winter study in Colorado.

C. One Boundary Layer Profiler system is being loaned to NOAA (WPL) to use at the South Pole station in January. The BLP will be used to supplement an acoustical sounder being installed at the Pole station.

V. STAFF

A. NOVA Programming Course - A week long programming course on the NOVA computer was conducted in October at PSRB-3. Those who successfully completed the training by Dencor, Inc. were:

Paul Ahlstrom
Ed Elsberry
Don Ferraro
Brian Lewis
Dale Zalewski

B. 17th Radar Meteorology Conference (October 26-29, Seattle)

The Radar Conference was well attended by professional staff of the FOF. Serafin and Wilson served as session chairmen, and the following papers were presented at the conference:

H.W. Baynton, C.L. Frush, R.J. Serafin, P.V. Hobbs, R.A. Houze, Jr. and J.D. Locatelli: Wind and divergence measurements in extratropical cyclones from Doppler radar.

R.E. Carbone, D.M. Takeuchi and R.L. Peace: Some characteristics of convective showers in Texas as deduced from conventional radar and instrumented aircraft measurements.

J. Wilson: Radar observed land/lake precipitation differences.

C. Mr. Gerald Albright accepted a position with FOF as a meteorological technician and reported to work on October 11.

VI. FOF ADVISORY PANEL

The Panel met on 7 and 8 October in Boulder to discuss several requests for support and to consider the FOF multi-year plan in detail. A report of the meeting has been drafted. Those requesting support have been apprised of Cliff Murino's decision regarding their requests.