

3 November 1975

MEMO TO: Cliff Murino

FROM: Walt Records

*Walt Records*

SUBJECT: Monthly Activities Report (October 1975)

I. SYSTEMS DEVELOPMENT

A. Construction of the CP-4 Doppler radar continued at an accelerated pace with about 200 man-hours of overtime worked to stay on schedule. All major components were installed including the transmitter tube, focus coil and transmitter power supply. A few receiver components were still on the bench in final stages of assembly. Intercabinet to console wiring is essentially completed. Borgogno started debugging the electronics control of the pedestal controller.

Power "on" for basic radar transmitter and receiver starts 3 November 1975, with debugging scheduled for about 30 days. Mechanical and logistical work is on schedule. All modifications and painting of the radome are complete.

Some problems remain in design and assembly of the Doppler Processor and Display system, however, recent accomplishments make completion before 1 January more probable.

B. Some adverse impact on the PAM and BLP will be temporarily experienced because of Dave Call's resignation. As the result of Call's actions, the PAM group was reorganized with Ed Elsberry assuming greater responsibilities. PAM production and checkout of the remote stations will be done at PSRB-3 and a new laboratory set up to facilitate this work. Recruiting is underway to replace Call and a technician who has resigned effective 15 January 76.

Some work will continue by Call on a part-time consulting contract. Primarily he was retained to orient his replacement when hired, and to finish some rework of the environmental chamber.

C. A low level development effort continues by Frush on the frequency doubler capability for the ruby lidar.

D. Don Morris continues his development efforts to produce additional software for Doppler data processing and archiving. This remains a continuing full time job. Discussions were held with higher management concerning future capabilities to process Doppler radar data. The RDSS was proposed as one good method for handling these problems.

II. SUPPORT

A. Six wind systems were loaned to Sommerville of CSU to be returned by 31 March 1975.

B. Dave Reynolds of CSU returned a satellite receiving station after an 18 month loan.

C. Two towers and 4 wind systems were prepared for pick-up by Iverson of Iowa State University.

D. Ten MRI stations were sent to the factory for reconditioning in expectation of a January 1976 loan to Stuart of Florida State University.

E. Coordination is in progress with Hobbs, University of Washington, for using CP-3 radar plus operating crew at Tacoma, Washington, 6 - 23 December and 6 January - 6 February 1976.

F. Coordination is in progress with Srivastava, University of Chicago, for using the CP-4 radar plus operating crew at Gary, Indiana, 6 January - 28 February 1976.

G. Rawinsonde and boundary layer profiler data taken at Haswell in September is in the data reduction and processing stage.

III. OTHER ACTIVITIES

A. Al Morris and David Call resigned to engage in private business activities.

B. Bob Serafin presented the FOF long term plans briefing on 2 October 1975 to the senior NCAR Staff and the FOF Advisory Panel. The FOF Panel met in regular session on 3 October.

IV. OUTLOOK

A. The major FOF effort for the next two months will be in readying and operating the CP-3 and CP-4 Doppler radar systems for university support.

B. Active recruiting will continue for replacement of Morris, Call, Dixon and student assistant Price.

- END OF MEMO -

cc: R. Serafin