

Julian

TWERLE STAFF MEETING

15 April 1974

SCHEDULE

This Thursday there will be a one-day scientific meeting on GARP to review current major research activities in the four groups--GATE, GATE Aircraft Data Management Group, Global Atmospheric Measurements Program and the Large-Scale Modeling and Analysis Group. The TWERLE and Carrier Balloon presentations will be made between 1:00 and 3:00 p.m., with the following topics being discussed:

TWERLE

P. Julian - Scientific objectives

E. Lichfield - Flight systems

J. Tefft - Launch plans

CARRIER BALLOON SYSTEM (CBS)

V. Lally - Basic concept in light of special observing systems for FGGE

S. Stenlund - Balloon vehicle

M. Olson - Electronic systems

R. Passi - Wind determination.

There will be a TWERLE Team Meeting in Madison, Wisconsin on 1 May 1974.

John Masterson will be giving a seminar on buoys on Wednesday, 17 April.

CARRIER BALLOON

A budget of \$6 million, to be distributed over a four-year period (1976-1979), was accepted at the NOAA budget meeting in Washington last Thursday.

The SMS satellite will be launched in mid-May. It will be ready for GATE in June.

The FGGE reference level experiment is still assigned to France, but they may want help from the United States for the ballooning part. NOAA wants to show that the United States is only providing 27% of the entire FGGE budget.

France has submitted the final cost for support of the Carrier Balloon System in Kourou to NSF. Shipments of cargo are now being made to Kourou.

The Carrier Balloon System is having delivery problems with crystals in the sun angle sensor magnetometer. Due to poor delivery, they will have problems meeting a June schedule.

MISCELLANEOUS

Four tri-walls that were part of the "lost" MAC shipment from New Zealand have arrived in Denver. Two more boxes are still due in, and it is suspected that they are somewhere between California and Denver.

All radio altimeters should be in by the end of this month.

Neil Carlson is working on a data recording system. He plans to use a teletype machine, which will give us a hard copy of data. The punched tape from the teletype machine is converted to magnetic tape and fed into the NCAR computer. This system would transmit one line of data per minute and, with the new RF receiver, we could listen to two balloons at once, as long as there is an interval of one second between transmissions. Two is the maximum number of balloons that can be listened to almost simultaneously. This system could only be used at 401.2 MHz.

We are in the process of organizing the test flight data from the Christchurch flights. As soon as this has been completed, the information will be sent to Nadav Levanon.

Tile has been laid in the lab/assembly area of PSRB-3 and the carpenters are beginning to put up the Carrier Balloon office partitions. Telephones are scheduled to be installed this Friday, but the University still has to install conduit before some of the phones can be installed.

The warehouse on 55th Street isn't ready yet.

A total of 312 TWERLE antennas have been completed. The antenna group is now working on the Carrier Balloon project.

One hundred and forty-six (146) dewars have been sent to Ball Brothers. Another 72 will be picked-up from Ray Allen this afternoon.

The final run of pressure sensors is being made this week. The last 40 are ready to go into the cold chamber for testing.

The pressure and temperature sensor calibrations have been key-punched and sent to Dennis Shea.

cc: J. Masterson
P. Julian
V. Lally
E. Lichfield
M. Verstraete
W. Kellogg
G. Tolson
S. Stenlund
B. Lanterman
J. Tefft