

**NCAR**

## Staff Notes

No. 309

May 26, 1972



This Lockheed Electra spent a day at the NCAR Research Aviation Facility hangar at Jeffco Airport early this week undergoing initial modification to convert it from a passenger aircraft into a research platform. NCAR has acquired the four-engine turboprop Electra for use in the GARP Atlantic Tropical Experiment (GATE) and other GARP-related programs that require a long-range research aircraft.

However, the Electra does not belong to us. It is leased from Omni Aircraft, a Washington, D. C., firm which will also operate the Electra for us under a flight services contract. Another contractor on the West Coast will perform extensive engineering and modification of the aircraft to prepare it for instrumentation. It will then be returned to the Aviation Facility for instrumentation, probably around next April 1. Advice on instrumentation of the Electra is being provided by a committee chaired by Ed Zipser, of our GARP task group, and including people from the Laboratory of Atmospheric Science, the Research Aviation and Research Systems Facilities, and our Aviation Facility Advisory Panel. The necessary modifications and instrumentation should be finished in time for the Electra to undergo extensive operational tests before GATE, which is scheduled for 1974.

\* \* \*

Project Colorado SURGE courses (video-taped television classes from Colorado State University) will be offered during the summer quarter, 1972, on a completely flexible schedule with starting and ending dates at the convenience of the individual locations.

Tuition for the courses will be the same as in the past--\$68.00 for a 3-credit course and \$23.00 per credit for additional credit hours. Registration forms must be sent to CSU no later than June 12.

The following courses will be offered:

AT 570 Air Pollution (3 credits), M. L. Corrin

This survey course has been offered at NCAR during the spring quarter. It describes the chemistry of air pollution, the meteorology of air pollution as it concerns transport, the physiology of air pollution, and air pollution control techniques. Also included is a discussion of air pollution legislation. Text: none.

PY 797a Employment of Minority Personnel (3 credits), C. O. Neidt and P. Tate

This course consists of three lessons for each of 10 lessons varying from about two to three hours. Each lesson consists of an initial instructional session, an interview with a resource person, and an application session. In addition there will be furnished reading material requiring from 1 to 3 hours with each lesson. The course is team-taught by Dr. Charles O. Neidt, academic vice president at CSU, and Dr. Penfield Tate, affiliate professor at CSU and a practicing attorney in Boulder.

In view of current interest in equal employment opportunity programs and present laws governing employment of minorities, the course should be of interest to everyone. There are no prerequisites for the course. All reading materials are furnished at no extra cost to each student.

EE 421 Communication Systems I (3 credits), L. L. Scharf

The course covers spectral analysis, amplitude modulation systems, frequency modulation systems, pulse modulation systems, and pulse code modulation. Text: Principles of Communication Systems, by H. Taub and D. L. Schilling, McGraw-Hill, 1971.

The Department of Electrical Engineering at CSU feels this course has broad applicability in the technical community and has prepared a videotape describing this course in detail. The tape, which runs approximately 50 minutes, will be shown in the Director's Conference Room on Wednesday, May 31, at 1:30 p.m. All staff members who may be interested in taking this course are encouraged to attend.

Contact John Schlegel, ML room 150c, ext. 286 for additional information about the SURGE program or for registration forms for the summer quarter.

On Thursday, June 1, Mr. Bob Manzanares of the City Manager's Office will show slides, answer questions and generally discuss the numerous issues involved in the June 6 city election. His presentation is scheduled for 12:15 p.m. Thursday, June 1, in the Main Seminar Room of the Mesa Laboratory, and all concerned staff members are encouraged to attend.

\* \* \*

An interesting phenomenon which has been observed by our cafeteria people is the extreme mobility of salt and pepper shakers. If any of these creatures have insinuated themselves into your work area, the cafeteria staff would be most grateful if you would escort them back to where they belong.

\* \* \*

The Employees Activity Committee is organizing an NCAR night at Elitch Gardens on Wednesday, June 28. Details of the evening's festivities will be made available as soon as plans with Elitch's are finalized.

\* \* \*

An Ampex cassette tape recorder, Micro 12, NSF number E1161, is missing from the audiovisual storeroom. If you know the whereabouts of this tape recorder please contact Randi Opsahl, ML room 133, extension 279 or 269.

\* \* \*

Since it will be some time yet until the fire damage repairs are completed in the East Tower, staff members are reminded that the temporary procedures to be followed in case of emergency are still in effect for that area.

\* \* \*

## *New Staff Members*

Howard Denman: Meteorological technician working with the Field Observing Facility, PSRB-2, room 226, ext. 741.

Margaret A. LeMone: ASP post doctoral appointee working with the GARP group, ML room 505, ext. 414.

Lawrence E. Rosales: Data processing technician trainee working with the Finance Office computing group, Colorado Building, room 601, ext. 657.

Lynn A. Sherretz: Data reduction technician working with the Research Aviation Facility, Jeffco Airport, room 21, ext. 327.

### CURRENT JOB OPENINGS

(Contact Jeri Miller, Personnel Office, ML room 150, ext. 289)

#### Regular (Full-time):

Architect . . . . .	Physical Plant (ADMIN)
Architectural Engineer (August 1972) . . . . .	Physical Plant (ADMIN)
B.S. Chemist . . . . .	Atmospheric Aerosols (LAS)
Buyer/Assistant Purchasing Supervisor . . . . .	Purchasing (ADMIN)
Engineering Administrative Assistant . . . . .	Physical Plant (ADMIN)
Instrumentation Engineer . . . . .	Aviation (FAL)
Radar, R F, Digital Engineer . . . . .	NHRE
Radar & Data Systems Technician . . . . .	FOF (FAL)
Research Laboratory Assistant . . . . .	Atmospheric Aerosols (LAS)
Secretary . . . . .	Atmospheric Chemistry (LAS)
Secretary . . . . .	Computing (FAL)
Secretary . . . . .	Physical Plant (ADMIN)

#### Temporary:

Clerk Typist (1 month) . . . . .	Library (ADMIN)
Engineering Assistant . . . . .	GAMP (FAL)
Instrumentation Technician . . . . .	Aviation (FAL)
Research Assistant (1 month) . . . . .	Atmospheric Physica (LAS)

#### Casual (Hourly):

Research Assistant . . . . .	Cloud Physics (LAS)
Security Guard (2) . . . . .	Physical Plant (ADMIN)
Student Assistant . . . . .	Atmospheric Dynamics (LAS)
Student Assistant (Technical Typist). . . . .	LAS Director's Office
Student Assistant Programmer . . . . .	Computing (FAL)

## *Calendar Notes*

May 29 through June 5, 1972

MONDAY, May 29

Holiday

TUESDAY, May 30

- ASP Special Seminar -- Particle Acceleration in the Current Sheet of the Magnetosphere, Erwin F. Jaeger, ASP  
9:00 a.m.  
Fleischmann Building
- LAS Atmospheric Dynamics Department-ASP Joint Seminar Series -- A Description of the Half-yearly Wave in the Stratosphere, Harry van Loon, LAS; Karin Labitzke, LAS; Roy Jenne, FAL  
2:00 p.m.  
NCAR Mesa Laboratory, Seminar Room

WEDNESDAY, May 31

- FAL Computing Facility Seminar -- A Graphics Extension to Fortran, John Gary and Gyula Löcs, FAL  
1:30 p.m.  
NCAR Mesa Laboratory, Seminar Room

THURSDAY, June 1

- Slide Show on City Election Issues, Bob Manzanares, City of Boulder  
12:15 p.m.  
NCAR Mesa Laboratory, Seminar Room

FRIDAY, June 2

- ASP Special Seminar -- The Measurement of Air Motion and Temperature from Aircraft, William T. Pennell, ASP  
9:00 a.m.  
Fleischmann Building

MONDAY, June 5

Open

### *Visitors*

Dusan Djuric, Department of Meteorology, Texas A & M University,  
College Station, Texas. May 26 - June 2.

-- Computing Facility (Dynamics of moist convection.)

Forrest Stephanson, University of Utah, Salt Lake City,  
Utah. May 30.

-- J. E. Masterson

---

Calendar Notes announcements may be called to Vonda Giesey, extension 281.  
Other Staff Notes information or comments should be addressed to Anne Garrelts,  
extension 258. Wednesday at 12:00 noon is the deadline for items to be  
included in either the Calendar or Staff Notes.