JOHN GILLE AWARDED NASA MEDAL

According to a NASA spokesman, each year NASA centers' directors nominate people, usually employees, to NASA for awards; the final selection of recipients is made at NASA headquarters. There were five medals awarded in this category but John was the only non-Langley recipient. The citation accompanying the medal read, "In recognition of exceptional contributions to atmospheric science through the development and use of the Limb Infrared Monitor of the Stratosphere experiment aboard the Nimbus 7 satellite to measure the first global scale distributions of gases involved in the chemistry of ozone in the stratosphere."

"I feel very honored by this award," John told Staff Notes. "After the approximately eight years of intensive effort, it's nice to know that people feel you have done something useful. Of course, none of it would have been possible without the very dedicated work of the many people on the LIMS team here at NCAR, at Langley, and at various universities and institutions. Now comes the fun for all of us--using the data to see what new things they have to tell us about the stratosphere and mesosphere." (Photo by Robert Bumpas.) #38

WHEN IT SNOWS

The following radio stations will be notified if weather conditions make it impossible for the Physical Facilities personnel to have the NCAR road open by 7:30 a.m.

- KBOL 1490 AM
- KLZ 560 AM
- KIMN 950 AM
- KLMO 1060 AM
- KOA 850 AM
- KHOW 630 AM

If the opening of the NCAR road will be delayed until 10:00 a.m. or noon, a guard with a vehicle and a two-way radio will be posted at the lower end of the road to answer questions and make arrangements to transport staff members who must reach the Mesa Laboratory.

Under such conditions normal operations will probably be disrupted; for example, the cafeteria

This Week in Staff Notes . . .

- John Gille Wins Award
- Snow Days
- Visitors
- Library News
- Job Openings
- Calendar Notes
will not be open, and the parking lot and sidewalks will not be cleared. When the hill road is closed, please limit requests for transportation to emergency situations.

As has been the practice in the past, when the Mesa Laboratory closes, all NCAR locations in the Boulder area will close.

ANNOUNCEMENTS

MICOM SEMINAR

Susan Adrian, market support representative for Philips Information Systems, will present a one-hour seminar for Micom operators at 9:00 a.m., Thursday, 4 November, in the Main Seminar Room. The subject will be the use of Micom’s new keystroke memory software. For a detailed description of keystroke memory, see the 11 June issue of the word processing newsletter.

Evaluations of the past two seminars have been very positive and have contributed to the decision to offer further information. The material will be operator-oriented; however, all interested persons are welcome to attend. For further information, contact Lynn Post, ext. 381.

FTS DIRECT DIAL

As of 25 October, area codes 502 and 606 (Kentucky) may be dialed directly on FTS.

PHONE AND ROOM CHANGES

<table>
<thead>
<tr>
<th>Ext.</th>
<th>Room</th>
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<tr>
<td>Timothy Fredrick</td>
<td>77-167  RL-6 C142</td>
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<tr>
<td>Ruth Hogue</td>
<td>618   FL 8</td>
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<tr>
<td>Simone Ma</td>
<td>420   ML 2430</td>
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<tr>
<td>James Spensley</td>
<td>523   FL 8</td>
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</tbody>
</table>

CAFETERIA NEWS

The “special special” for next Wednesday, 3 November, will be home-style fried chicken, potatoes and cream gravy, corn, and rice pudding, all for $2.25.

The breakfast special for next week will be Denver scrambled eggs with toast for $1.35.

The winner of this week’s free luncheon is:

JOHN FIROR

Each week a free lunch is awarded to the person whose name is drawn from a container of signed lunch receipts in the Mesa Laboratory Cafeteria. The winner’s name will be posted in the cafeteria above the container, and it will also appear in Staff Notes. The winner must collect his free lunch within a week of the publication of his name in Staff Notes.

VISITORS


--- Robert McQueen, High Altitude Observatory

Elgene Box, University of Georgia. Field of interest: Climate and vegetation. 4-8 November. ML room 400, ext 674.

--- Robert Dickinson, Atmospheric Analysis and Prediction Division

Richard Farley, South Dakota School of Mines and Technology. Field of interest: Cloud physics. 20-27 October. Computing carrels, dial “0” for paging service.

--- Scientific Computing Division

Rolando Garcia, Autonomous Metropolitan University of Mexico. Field of interest: Climate and society. 27-29 October. FL room 8, ext. 363.

--- Michael Glantz, Advanced Study Program

Abraham Horowitz, Soreq Research Center, Israel. Field of interest: Photochemistry. 18-31 October. ML room 249, ext. 648.

--- Jack Calvert, Atmospheric Chemistry and Aeronomy Division

Prasad Varanasi, State University of New York at Stony Brook. Field of interest: Atmospheric spectroscopy. 25-27 October. ML room 311, ext. 439.

--- V. Ramanathan, Atmospheric Analysis and Prediction Division

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Writer/Editor: Sally Bates
Production Assistant: Mary Boyer

Copy deadline is 5:00 p.m. on Tuesday for publication on Friday. Office: Mesa Laboratory room 259. Phone: 303-494-5151, ext. 644.
SAMPLE JOURNALS FOR REVIEW

The following journals are available in the Library for your review and evaluation. We would appreciate your comments as to whether the Library should subscribe to them.

EMC TECHNOLOGY. Quarterly.
HIGH TECHNOLOGY. Bi-monthly.
IL NUOVO CIMENTO. Bi-monthly.
LA RECHERCHE. Monthly.
SKEPTICAL INQUIRER. Quarterly.

My acquisitions recommendation is:

for the MESA, RL-6, RL-3, MAR, or RAF Library. (circle one) Name:

NEW BOOKS

New books for the MESA, RL-6, and MAR Libraries are in the following list. Reference material does not circulate.

SEASAT VIEWS OCEANS AND SEA ICE WITH SYNTHETIC-APERTURE RADAR.
Jet Propulsion Laboratory (U.S.), 1982.

PASCAL IMPLEMENTATION. Pemberton, Steven, 1982.
NUMERICAL ANALYSIS. Johnson, Lee W., 1982.
INTRODUCTION TO REAL ANALYSIS. Bartle, Robert Gardner, 1982.
VECTOR CALCULUS. Marsden, Jerrold E., 1981.
ADVANCED MATHEMATICAL METHODS FOR SCIENTISTS AND ENGINEERS. Bender, Carl M., 1978.
NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS. Fried, Isaac, 1979
MODELING, ESTIMATION, AND THEIR APPLICATIONS FOR DISTRIBUTED PARAMETER SYSTEMS. Sawaragi, Y., 1978.
CONTINUM MECHANICS. Spencer, Anthony James Merrill, 1980

New books continued on next page
NEW BOOKS

ECOLOGICAL IMPACT OF ACID PRECIPITATION. Tollan, Arne., 1980.
RECENT DEVELOPMENTS IN AEROSOL SCIENCE. Shaw, David T., 1976.
ADAPTIVE ARRAY PRINCIPLES. Hudson, J.E., 1981.

To receive your personal microfiche copies of the following microfiche reports, check off the desired report(s) and send to Gayl Gray.

NEW MICROFICHE

<table>
<thead>
<tr>
<th>ATOMIC SCIENCE</th>
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<tr>
<td>( ) MARITIME INFRARED PROPAGATION: PARTICLE SIZE DISTRIBUTION MEASUREMENTS USING A HELICOPTER-BORNE AEROSOL COUNTER. Allan, R., 1981.</td>
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<tr>
<td>( ) MEASUREMENT OF ATMOSPHERIC EMISSION USING A BALLOON-BORNE CRYOGENIC FOURIER SPECTROMETER. Sakel, H., et al., 1982.</td>
</tr>
<tr>
<td>( ) EXPLORATION OF INTER-STORM MOTION AS AN INDICATOR OF MESO-BETA CIRCULATION. Donaldson, Ralph J., 1981.</td>
</tr>
<tr>
<td>( ) THE S3-4 IONOSPHERIC IREGULARITIES SATELLITE EXPERIMENT: PROBE DETECTION OF MULTI-ION COMPONENT PLASMAS AND ASSOCIATED EFFECTS ON INSTABILITY PROCESSES. Holmes, J.C., et al., 1982.</td>
</tr>
<tr>
<td>( ) ON THE CORRECTION OF LAND-BASED WIND MEASUREMENTS FOR OCEANOGRAPHIC APPLICATIONS. Hau, S.A., 1981.</td>
</tr>
<tr>
<td>( ) INFLUENCE OF METEOROLOGICAL PROCESSES ON THE VERTICALITY OF ELECTRIC FIELDS. Hill, M.L., 1982.</td>
</tr>
<tr>
<td>( ) ATMOSPHERIC PRESSURE AND VELOCITY FLUCTUATIONS NEAR THE AURORAL ELECTROJET. Luhmann, J.G., 1982.</td>
</tr>
<tr>
<td>( ) AN OPERATIONAL TECHNIQUE FOR ESTIMATING VISIBLE SPECTRUM CONTRAST TRANSMITTANCE. Hering, W.S., 1981.</td>
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ENGINEERING, TECHNOLOGY

( ) AFGL ROCKET - AND SHUTTLE-BORNE PARTICLE BEAM EXPERIMENTAL PROGRAM. Katz, L., et al., 1981. ADA115811
( ) AIRBLAST PREDICTION TECHNIQUES AT MILL RACE AND DISTANT RUNNER. Reed, J.W., 1982. CONF82202111
( ) SIMILARITY CONSIDERATIONS FOR ACOUSTIC AGGLOMERATION. Patel, S., 1980. DOE/MC184278
( ) DESIGN AND PRELIMINARY RESULTS OF THE INTERMEDIATE DENSITY PRECIPITATION CHEMISTRY EXPERIMENT. Raynor, G.S., 1982. BNL29992
( ) LAWRENCE BERKELEY LABORATORY LASER-TRANSMISSION METHOD. Rosen, H., 1981. LBL13248
( ) SYSTEM FOR STABILIZATION AND POINTING OF A STRATOSPHERIC BALLOON BORNE TELESCOPE. Borger, P.B.A., 1981. N8218558
( ) LIMS INSTRUMENT PACKAGE (LIP) BALLOON EXPERIMENT. NIMBUS 7 SATELLITE CORRELATIVE TEMPERATURE, OZONE, WATER Vapor, AND NITRIC ACID MEASUREMENTS. Lee, R.B., et al., 1982. N8218741
( ) ALTERNATIVE ELECTRIC GENERATION IMPACT SIMULATOR. Gruhl, J., et al., 1981. PB82180324
( ) 300-MHz OPTICAL DISCRIMINATOR-COUNTER. Turko, B., et al., 1981. LBL12173
( ) LONG WAVELENGTH ACOUSTIC FLOWMETER. Potzick, J., 1981. PB82176900
( ) HETEROYNE SYSTEMS AND TECHNOLOGY. PART I. NASA, 1980. N8029652
( ) LNG PLUME INTERACTION WITH SURFACE OBSTACLES. Kothari, K.M., et al., 1981. PB82190995
( ) THE BEHAVIOR OF LNG VAPOR CLOUDS. Neff, D.E., 1981. PB82190927
( ) MEASUREMENTS OF HIGH-TEMPERATURE HIGH-PRESSURE PROCESSES. Cooper, L., et al., 1982. PB82196932
NATIONAL CENTER FOR ATMOSPHERIC RESEARCH
P.O. Box 3000 Boulder, Colorado 80307 (303) 494-5151

JOB OPENINGS

27 October 1982

NCAR is an equal opportunity/affirmative action employer.

Salaries for new employees and for current employees receiving reassignments will be between the range minimum and maximum shown for each job. Specific starting salaries are determined by comparing the applicant's qualifications with the job requirements and assessing expected performance levels.

REGULAR, FULL-TIME

SCIENTIST I/II - #1

ATD - Field Observing Facility/JAWS
Exempt Range: 82, $23,904 - 35,856
Exempt Range: 83, $28,680 - 43,032

DUTIES (LEVEL I): Will engage in research and service activities associated with immersion and remote sensors deployed by the FOF. Service activities (50%) are in support of field experiments; participation in the design and development of new measurement systems; technology transfer to operational meteorology and related disciplines. Research activities (50%) involve experimental meteorology with emphasis on development of new analysis techniques and utilization of Doppler radars, mesonets, instrumented aircraft and related types of measurements. Will supervise employees in ways consistent with UCAR Policies and Procedures and with Affirmative Action Compliance Program goals. For the first three years of this appointment, research will be earmarked for some aspect of the Joint Airport Weather Studies (JAWS) Project.

DUTIES (LEVEL II): Same as Level I with added responsibility for providing scientific direction for design and development of new measurement systems.

REQUIRES (LEVEL I):
-- Ph.D. or equivalent experience in relevant areas.
-- Ability to organize and conduct field experiments utilizing meteorological remote and immersion sensors. This includes direction and supervision of field technical specialists.
-- Demonstrated willingness and ability to establish a record of peer acceptance in research in one or more of the following areas: cloud physics, cumulus dynamics, mesoscale research, boundary layer meteorology or radar meteorology.
-- Understanding of meteorological Doppler radar literature and willingness to pursue this area of research.
-- Willingness to devote research activities (50%) to the JAWS Project for first three years of appointment, concentrating on physical syntheses and multiple Doppler radar technique development associated with small-scale atmospheric flows such as microbursts.
-- Willingness to promote and conduct joint research with the user community including universities, government laboratories and other institutions.
-- Ability to interact with FOF users in both scientific and service capacities.
-- Willingness to travel to participate in field experiments (in most cases field support will be coincident with personal research objectives).
-- Demonstrated ability to develop and test new techniques in atmospheric measurement and analysis.
-- Willingness to cooperate with other ATD facilities and NCAR divisions.

REQUIRES (LEVEL II):
-- Experience level normally associated with 3-6 years relevant research.
-- Publications record and peer acceptance normally associated with the assistant professorship level.
-- Greater breadth and/or depth than implied by the minimum requirements.

ALSO DESIRED, BUT NOT REQUIRED:
-- Demonstrated skills in second, sixth and eighth requirements listed above.
-- Understanding of pulsed Doppler radar signal theory.
-- Understanding of remote and immersion sensing system hardware.
-- Ability to direct development of general user software for analysis of meteorological data.

Margareta Domecki, X517

REGULAR, PART-TIME

SECRETARY - #2

ATD - Research Aviation Facility
Non-Exempt Range: 25, $475 - 617/mo. (.50 FTE)

Will be working for the Project Support Group consisting of a Chief and three or four Project Engineers and will be responsible for typing and filing of correspondence, documents, and publications for that group. Will also be responsible for cataloging and filing data tapes and data films from various RAF research projects and will assist in the reduction of the data obtained from some of these projects.

REQUIRES:
-- Accurate typing skills at about 50 wpm.
-- Experience in maintaining files and cataloging filing data materials such as magnetic tapes, micro films strip charts.
-- Experience in office procedures.
-- Must be able to lift 15-20 lbs. Individual will be working five one-half days per week.

NOTE: This position is located at the NCAR Research Aviation Facility (RAF) located at Jefferson County Airport, Broomfield, Colorado.

Esther Blazon, X581

CASUAL

SECURITY GUARD - #2997

ADM - Safety and Security
Non-Exempt Range: 25, $5.48 - 7.12/hr.
DUTIES: To protect buildings and contents against loss by fire, theft, and illegal entry. Make inspection trips by foot and vehicle; serve on fire brigade and render first aid when necessary; operate two-way radio and paging system; receive NCAR telephone calls during non-business hours.
REQUIRES:
-- Demonstrated skill in communicating effectively with a wide range of people and using good judgment.
-- Demonstrated strength and stamina to make required rounds, move fire equipment, and work alone in isolated area.
-- Skill in remembering and following procedures.
-- Possession of a valid driver's license and ability to qualify for and obtain GSA driver's license (to qualify, one cannot have more than two moving violations in the last three years).
-- Ability to qualify for and obtain American Red Cross Standard first aid certificate.
-- Flexibility/willingness to work on-call as needed.

ALSO DESIRED, BUT NOT REQUIRED:
-- Security guard, law enforcement, or military guard duty experience.

Margareta Domecki, X517
MONDAY, November 1

Open

TUESDAY, November 2

- Class -- Cardiopulmonary Resuscitation, Multi-Media First Aid
  8:00 a.m. - 12:00 noon
  NCAR Mesa Lab, Damon Room

- CSD Seminar -- The Mesoscale Structure of a Hurricane Rainband, Gary M. Barnes, CSD
  1:30 p.m.
  RL/6 Seminar Room 179

- AAP Seminar -- Quasigeostrophic Predictability, Geoffrey Vallis, Scripps Institution of Oceanography
  3:30 p.m.
  NCAR Mesa Lab, Main Seminar Room

WEDNESDAY, November 3

Open

THURSDAY, November 4

- Class -- Cardiopulmonary Resuscitation, Multi-Media First Aid
  8:00 a.m. - 12:00 noon
  NCAR Mesa Lab, Damon Room

FRIDAY, November 5

- ASP Educational Seminar -- Convective Storms Division, Patrick Squires
  1:30 p.m.
  NCAR Mesa Lab, Main Seminar Room

MONDAY, November 8

- Climate Club -- Geographic Modeling of Climate Control of Plant Mass Accumulation and Decomposition, Elgene O. Box, University of Georgia
  1:30 p.m.
  NCAR Mesa Lab, Main Seminar Room

Calendar Notes announcements may be mailed to Betty Winstanley, ML 136. Wednesday at 12:00 noon is the deadline for items to be included in the Calendar Notes.