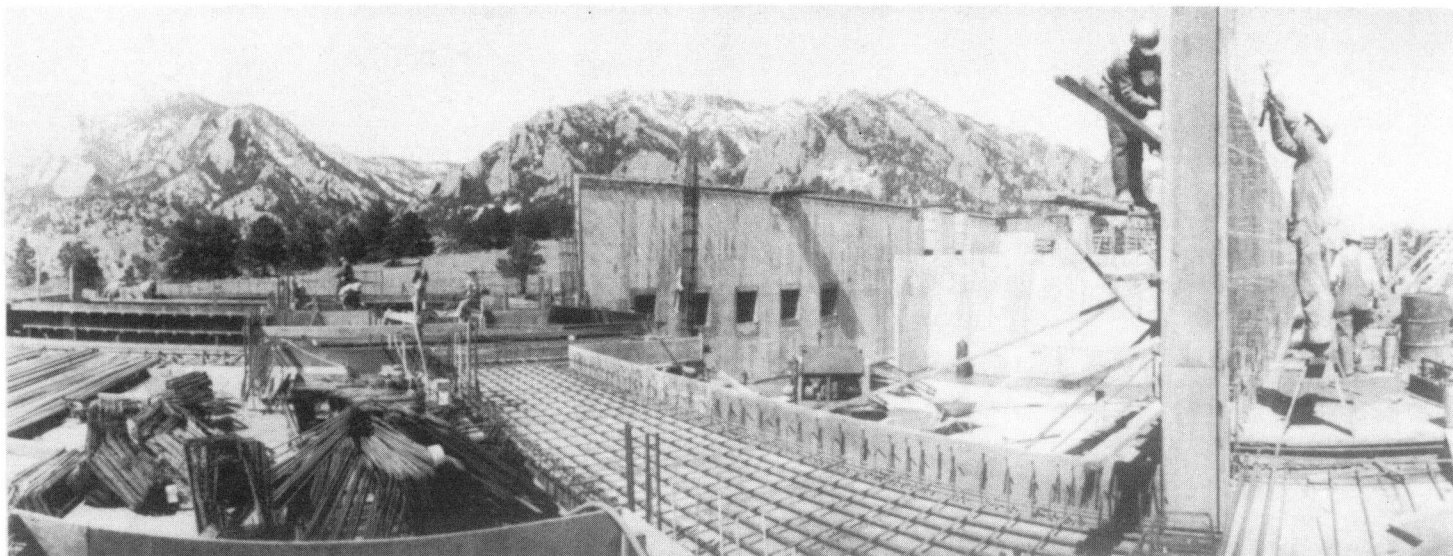


Staff Notes

Vol. 27 No. 19 • 7 May 1992

National Center for Atmospheric Research

The Mesa Lab Turns 25



The Mesa Lab took on its dramatic scale early in construction. This panorama looks west from the B tower toward the first-floor lobby (see windows at center) and the Flatirons. (Photo by Bob Bumpas.)

Long-timers at NCAR might find their memories jostled by next week's staff dedication of the Foothills Lab (set for the spring party on Friday, 15 May). The FL fete comes a quarter-century almost to the day after formal opening ceremonies for the Mesa Lab.

Built over a span of 26 months, the lab was completed in late 1966. Some 400 staff had moved in by the official dedication, held on the morning of Wednesday, 10 May 1967, in the ML lobby. The master of ceremonies was Henry Houghton, UCAR's first chairman. Other speakers were Colorado governor John Love, National Science Foundation director Leland Haworth, National Science Board chairman Philip Handler, Mesa Lab architect I.M. Pei, and founding NCAR director Walt Roberts. Composer Cecil Effinger wrote a "Fanfare for NCAR" that was introduced by the University of Colorado Brass Choir (a copy of the sheet music resides in the Damon Room, which was dedicated a day earlier).

At the ceremony, Pei said: "The site is, indeed, the most beautiful that we've ever had to deal with. You would think that, blessed with this kind of beauty, architecture should come easy. But it was not easy. We tried many buildings here, many, many designs, but they all fell apart." The solution, Pei went on to say, was to join with nature rather than compete with it. The Mesa

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Guests fill the ML lobby at dedication. The Native American sand paintings at left, depicting Mother Earth and Father Sky, were on loan from the Denver Art Museum for about a year. The present mural was installed in the mid-1970s.

Lab remains a must-see for Boulder visitors and a landmark for architects.

Change is coming, however, to the ML as a working lab. Space vacated by moving staff has given the remaining ML occupants some long-awaited elbow room. And the inevitable wear and tear of 25 years will be tackled in a major rehabilitation. See page 3 for more on the Mesa Lab's future, part of our anniversary salute to what's been called a "cathedral of science." •BH



I.M. Pei (right) experimented with several finishes to the concrete used on the Mesa Lab. Some of the possibilities were on display early in construction.

Staff Notes is published weekly by the Information and Education Outreach Program of the National Center for Atmospheric Research, P.O. Box 3000, Boulder, Colorado 80307. NCAR is sponsored by the National Science Foundation.

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Milli Butterworth, Amido Goodnight

Copy deadline is 5:00 p.m. on Monday for publication on Thursday. Office: FL3 room 7. Phone: 303-497-8605. Interagency mail stop: NCAR FL3

The Next Stage: Project 2000

The Mesa Lab's bold architecture has concealed its age: when the ML was dedicated, miniskirts were in fashion, Vietnam was raging, and the Beatles had yet to release *Sgt. Pepper*.

The handiwork of time, as well as changes in work needs, are driving long-range plans for the the Mesa Lab. A framework for the changes was built over the past few months through administrative committees and Facilities Planning and Management.

Two phases are coming up, according to FPM director George Lamb. Phase one begins this summer with the shifting of ML occupants into space left by the departure of the High Altitude Observatory (HAO), the Environmental and Societal Impacts Group, the Machine Shop, and parts of Traffic Services.

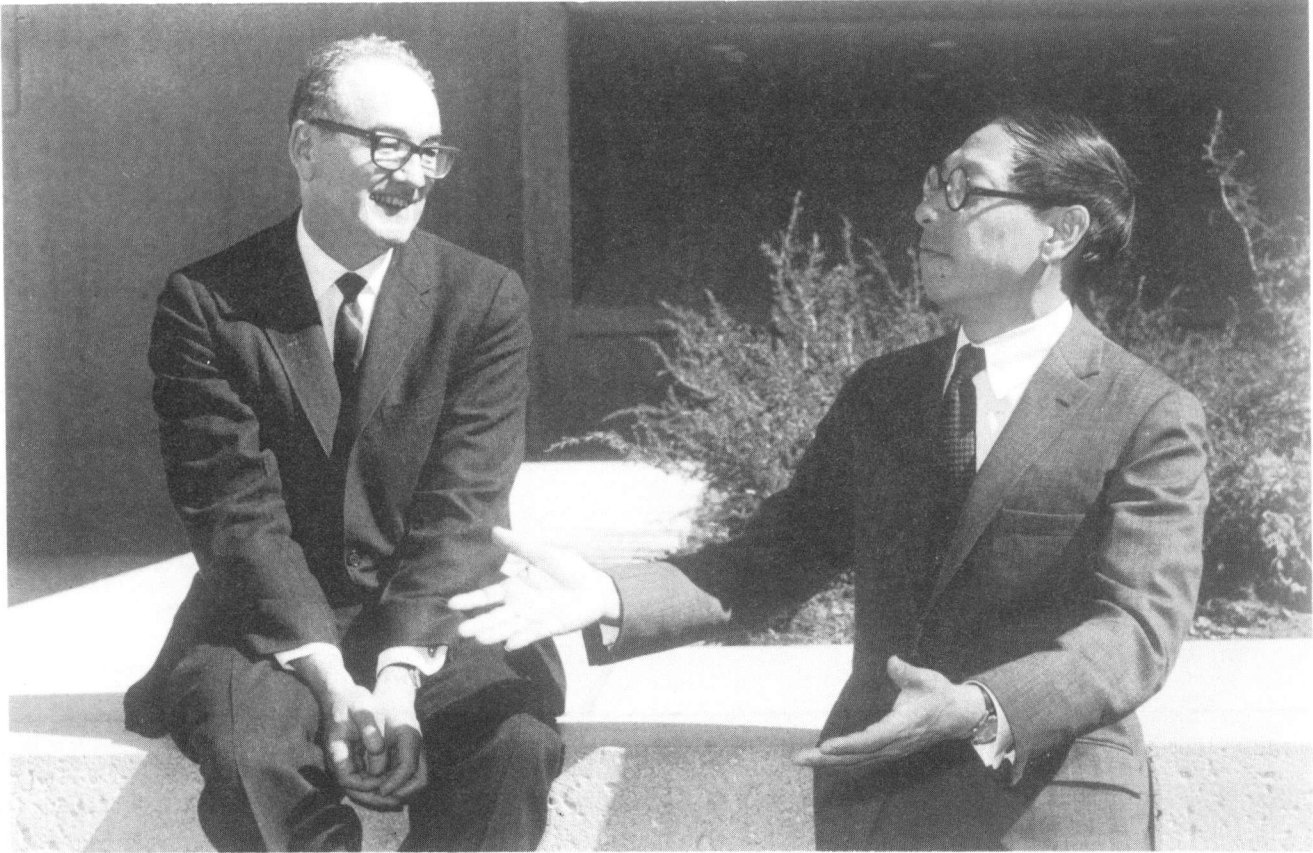
- The Climate and Global Dynamics Division (CGD) will remain in the A tower while expanding to portions of the first and second floors of the north B tower.
- HAO will pick up four offices near the ML library and retain its tunnel and assembly area below the cafeteria.
- The Advanced Study Program will move to the second floor of the south B tower.
- The Education and Tour Program office is heading down the hall to present CGD space near the cafeteria. A classroom for visiting schoolchildren and other groups will open in room 141.
- Fitness buffs will enjoy the new wellness center, to open in the former HAO computer-aided design lab in the first basement.
- Graphic Services is moving to the former Machine Shop in the second basement, with a small ML satellite shop remaining.
- Space occupied by the Atmospheric Chemistry Division labs on the third floor of the south B tower will be converted to offices, while four ACD labs will be created and two expanded in the second basement.

During the move process, offices will be touched up, some large spaces will be subdivided, and the Scientific Computing Division (SCD) will improve computer ports. The brief vacancy in the south B tower allows for sprinkler installation (only SCD and the loading dock now have sprinklers).

Project 2000 is the name for phase two, the "long-range, big-bucks rebuilding," says George. "Several things came together to make this a necessity. We're not using the building as it was designed. The architects thought of one person in an office with maybe a typewriter and a calculator, which is far from where we are now." Power and cooling capabilities and communication links for personal computers will be upgraded to make the Mesa Lab what George calls "the epitome of the intelligent building."

"The cooling and heating systems were designed when conserving energy wasn't a real consideration. Even in perfect shape they're not designed with efficiency in mind," George notes. Moreover, the normal lifetime of such systems is 25 to 30 years. Problems due to infrastructure age have been "nibbling at us for several years," he says. FPM is looking at ways to perform this invasive surgery without overly impacting staff. Small groups may take turns moving off site while their areas are refurbished, says George. Sprinklers will be installed throughout, and exterior blemishes such as crumbling concrete along the front drive will be repaired.

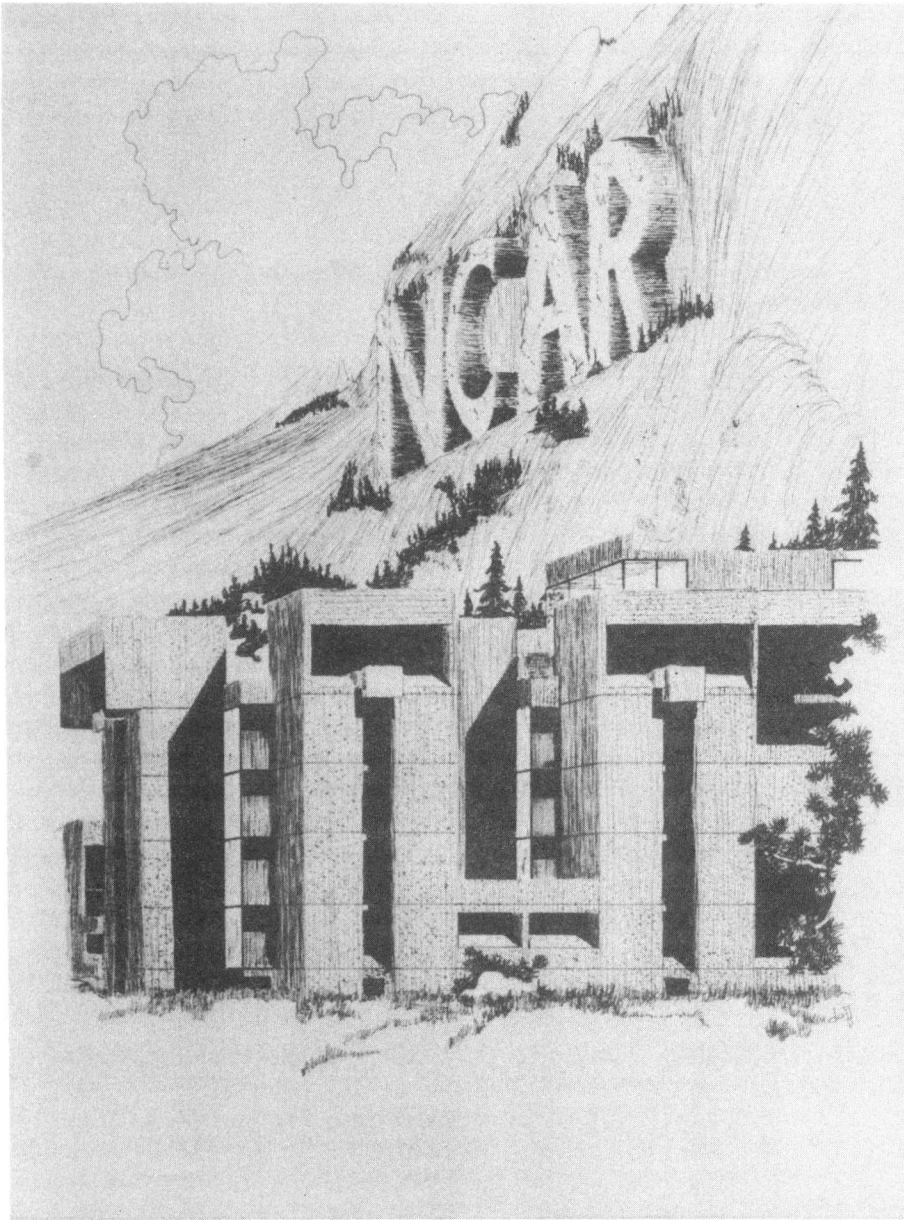
When will 2000 begin (the project, that is)? FPM will begin preliminary engineering studies this fall. As always, year-to-year budgets will tell the final tale. •BH



Walt Roberts and I.M. Pei share a moment at dedication.



Inspiration strikes often on the mesa, but it was lightning that crumbled a chunk of the A tower's southwest corner in July 1978. Project 2000 will spruce up the outside of the Mesa Lab and update the inside. (Photo by Bob Bumpas.)



Fortunately, the Mesa Lab doesn't overpower the Flatirons the way this tongue-in-cheek artist feared it would in 1965.

Announcements

Walk on the Wild Side

If you're interested in walking the Bolder Boulder and would like to do it with a supportive group of wild and crazy folks, contact Karen Friedman, ext. 1276, karen@ncar.ucar.edu.

New Aerobics Classes at Foothills Lab

Aerobics classes are being held Monday through Thursday from 12:10 p.m. to 1:00 p.m. in the Wellness Center in Building 1 at the Foothills Lab. The instructor is Kat Jones, who is certified and teaches each morning at RallySport Health and Fitness Club in Boulder. Kat is very enthusiastic and encourages anyone interested to attend. Classes cost \$1.50 at the door. For additional information, contact Milli Butterworth, ext. 8601.

FL Blood Drive Set for 21 May

A mobile unit from Belle Bonfils Memorial Blood Center will make its spring visit to Foothills Lab on Thursday, 21 May. They will set up shop in FL2 room 1003 from 8:00 a.m. until noon. For more information on the blood replacement program or to sign up for your appointment time, please call Laurie Carr (ext. 8702) or Sudie Kelly (ext. 8951) by 15 May. Walk-in donations are welcome, although the first hour is usually filled with appointments.

Library News

7 - 14 May 1992

The following new acquisitions for the Mesa and branch libraries will be displayed in the Mesa Library through the dates listed above. They may be reserved during display for subsequent checkout. NCAR staff located off the mesa may borrow new books by checking the item(s) of interest below and sending this list to Faith Percell. Be sure to include your name, location, and extension. Reference material, however, does not circulate.

New Books

Aeronautics, Astronautics

Passing the FAA Written Exam: Instrument. McQueen, T, Tab Aero, 1991.
TL711 B6M38 1991 in RAF.

Passing the FAA Written Exam: Commercial. McQueen, T, Tab Aero, 1991.
TL546.5 M37 1991 in RAF.

Astronomy

PPM Star Catalogue. Spektrum Akademischer Verlag, 1991.
QB6 P75 1991 v.1-2 in FL.

Oscillations and Waves In Strong Gravitational and Electromagnetic Fields. Sibgatullin, N R, Springer-Verlag, 1991.
QB283 S5513 1990 in ML.

Earth Sciences

Ice Age Earth: Late Quaternary Geology and Climate. Dawson, A G, Routledge, 1992.
QE697 D265 1992 in ML.

Economics

Game Theory. Fudenberg, D, MIT Press, 1991.
HB144 F83 1991 in ML.

Mathematics, Computer Science

Graph-theoretic Concepts in Computer Science. Nagl, M, editor, Springer-Verlag, 1990.
QA166 G7172 1990 in ML.

The Little Book of Big Primes. Ribenboim, P, Springer-Verlag, 1991.
QA246 R472 1991 in ML.

The Art of Probability For Scientists and Engineers. Hamming, R W, Addison-Wesley, 1991.
QA273 H356 1991 in ML.

Random Point Processes in Time and Space. Snyder, D L, Springer-Verlag, 1991.
QA274.42 S69 1991 in ML.

Statistical Techniques for Data Analysis. Taylor, J K, Lewis Publishers, 1990.
QA276 T33 1990 in ML.

How SAS Works: a Comprehensive Introduction to the SAS System. Herzberg, P A, Springer-Verlag, 1990.
QA276.4 H47 1990 in ML.

Some Recent Results on Chi-squared Tests. Nikulin, M S, Queen's University, 1991.
QA277.3 N55 1991 in ML.

Applied Multivariate Data Analysis. Jobswon, J D, Springer-Verlag, 1991.
QA278 J58 1991 v. 1 in ML.

Higher Order Asymptotic Theory for Time Series Analysis. Taniguchi, M, Springer-Verlag, 1991.
QA280 T36 1991 in ML.

Mathematical Analysis and Numerical Methods for Science and Technology. Dautray, R, Springer-Verlag, 1988.
QA300 D34313 1988, v. 5 in ML.

Elliptic Operators and Lie Groups. Robinson, D W, Clarendon Press, 1991.
QA329.42 R63 1991 in ML.

Differential Equations: a Dynamical Systems Approach. Hubbard, J, Springer-Verlag, 1990.
QA371 H77 1990 v. 5, pt. 1 in ML.

Counter Examples in Differential Equations and Related Topics. Rassias, J M, World Scientific, 1991.
QA377 R37 1991 in ML.

Tensor Geometry: the Geometric Viewpoint and Its Uses. Dodson, C T J, Springer-Verlag, 1991.
QA649 D6 1990 in ML.

New Perspectives in Turbulence. Sirovich, L, editor, Springer-Verlag, 1991.
QA913 N49 1991 in ML.

Medicine

The Merck Manual of Diagnosis and Therapy. Merck Sharp & Dohme Research Laboratories, 1987.
RC55 M41 v. 1, c. 2 in FL-Ref.

Meteorology

Catalogue of Publications. World Meteorological Organization, 1990.
QC861.2 W62 1990, c. 2 in FL-Ref.

The Potential Effects of Climate Change in the United Kingdom. United Kingdom Climate Change Impacts Review Group, H.M.S.O., 1991.

QC981.8 C5U54 1991 in ML.

Earth Observations and Global Change Decision Making, 1991. Ginsberg, I W, editor, Krieger Publishing Co., 1991.

QC903 E27 1991, c. 2 in ML.

Natural History, Ecology, Biology

Gaia, the Practical Science of Planetary Medicine. Lovelock, J E, Gaia Books, 1991.

QH343.4 L69 1991b in ML.

Dynamics of Marine Ecosystems: Biological-Physical Interactions in the Oceans. Mann, K H, Blackwell Scientific Publications, 1991.

QH541.5 S3M25 1991 in ML.

Chemistry, Agriculture and the Environment. Richardson, M L, editor, Royal Society of Chemistry, 1991.

QH545 A25C44 1991 in ML.

Naval Science

Proceedings of the . . . Annual Technical Symposium. Wild Goose Association Technical Symposium. The Wild Goose Association.

VK560 W48 14th, 1985, 15th 1986, c. 1-2, 17th, 1988, 19th, 1990 in FL.

Oceanography

Tidal Hydrodynamics. Parker, B B, editor, Wiley, 1991.

GC301.2 T53 1991 in FL.

Physics

Numerical Methods for Grid Equations. Samarskii, A A, Birkhauser Verlag, 1989.

QC20.7 D5S2613 1989, v. 2 in ML.

Differential Geometric Methods in Theoretical Physics. Bartocci, C, editor, Springer-Verlag, 1991.

QC20.7 D52D534 1991 in ML.

Quantification in Science. Melaragno, M G, Van Nostrand Reinhold, 1991.

QC61 M34 1991 in FL-Ref.

Acoustics, Waves and Oscillations. Sen, S N, Wiley, 1990.

QC225.15 S46 1989 in ML.

Systems With Hysteresis.

Krasnoselskii, M A, Springer-Verlag, 1989.

QC754.2 H9K7313 1989 in ML.

Science (General)

Maximum Entropy in Action: a Collection of Expository Essays.

Buck, B, editor, Oxford University Press, 1991.

Q370 M382 1991 in ML.

Reports

AFTOX 4.0 - The Air Force Toxic Chemical Dispersion Model - A User's Guide. Kunkel, B A, Phillips Laboratory, Hanscom AFB, MA, 1991. 25650.

Aircraft Lidar Sensitivity Study for Measuring Water Vapor. Rieder, R J, Phillips Laboratory, Hanscom AFB, MA, 1991. 25646.

Calibration of Infrared Radiometers for Cloud-Base Temperature Remote Sensing: Technique and Error Analysis. Shaw, J A, NOAA, Wave Propagation Laboratory, CO, 1991. 25663.

A Comparison of Systematic Errors in AFGL and COLA Forecast Models. Vernekar, A D, Phillips Laboratory, Hanscom AFB, MA, 1991. 25652.

Development of a Numerical Scheme to Predict Geomagnetic Storms After Intense Solar Events and Geomagnetic Activity 27 Days in Advance.

Akasofu, S I, Phillips Laboratory, Hanscom AFB, MA, 1991.

25649.

Equatorial Wind, Current and Temperature Data: 108 Degrees W to 140 Degrees W; April 1983 to October 1987. Freitag, H P, NOAA, Pacific Marine Environmental Laboratory, Seattle, WA, 1991

25662.

Measurements of Ocean Surface Wind Speed with the Special Sensor Microwave/Imager (SSM/I). Goodberlet, C T, Phillips Laboratory, Hanscom AFB, MA, 1991.

25647.

Precipitation Mapping. Bals, T M, Phillips Laboratory, Hanscom AFB, MA, 1991.

25648.

Provisional Daily Atmospheric Carbon Dioxide Concentrations as Measured at Global Atmosphere Watch (GAW)-BAPoN sites for the year 1989. World Meteorological Organization, 1990.

25653.

Vortex Characteristics of C5A/B, C141B and C130E Aircraft Applicable to ATC Terminal Flight Operations Tower Fly-By Data. Garodz, L J, NOAA, Air Resources Laboratory, Silver Spring, MD, 1991. 25660.

***To obtain copies of these technical reports please contact publisher.**

Job Openings

May 7, 1992

EMPLOYMENT PROCESS PLEASE READ!

APPLYING FOR JOBS AT UCAR (including the University Corporation for Atmospheric Research, the National Center for Atmospheric Research, and the Institute for Naval Oceanography): You may call our 24-hour jobline, 497-8707, for information about UCAR positions. Please follow this checklist to ensure that you are considered for positions for which you feel qualified:

- (1) Submit a separate application and/or resume for each position,
- (2) Indicate the job number and position title on your application materials, and
- (3) Hand carry or mail your application and/or resume to Human Resources by the closing date posted. Applications and/or resumes submitted by facsimile (fax machine) will not be accepted.

NOTIFICATION OF APPLICATION STATUS: Each applicant will receive an acknowledgement letter. After that, you will be contacted **ONLY** if you are chosen to be interviewed.

MORE INFORMATION ON SPECIFIC OPENINGS: You may obtain copies of previous "Job Openings" ads at the UCAR Human Resources Office, located at 3450 Mitchell Lane, Boulder.

UCAR EMPLOYEE APPLICATIONS: If you are a UCAR employee and wish to be considered for any of the positions listed, please complete an employee application (available from Human Resources, x8713), attach a resume, and return it to Human Resources, FL2.

NOTE TO UCAR STAFF: Requests for Staff must be received in the Human Resources Office no later than noon Monday in order for the job to be posted in the following Thursday's Staff Notes.

The University Corporation for Atmospheric Research has a strong commitment to the principle of diversity in all areas. In that spirit, we are interested in receiving applications from a broad spectrum of people, including women, members of ethnic minorities, veterans, and disabled individuals.

TECHNICAL SPECIALIST II - #1619

PLEASE NOTE: Applications for this position will be accepted until 5:00 p.m. on May 23, 1992.

RAP - Computer Systems Support Group

Exempt Range: 52, \$2,147 - \$3,220/mo

DUTIES INCLUDE: Serves as an assistant to the PC Systems Manager and assists in the daily management of personal computers in a networked environment. Assists in both the Macintosh and PC environments with software support, including software installations in various software packages; hardware support; troubleshooting hardware and software problems; and maintaining printers. Conducts training classes for the users of RAP-supported software packages. Works closely with the PC Systems Manager in placing, tracking, and recording all purchase requisitions related to personal computing, and in maintaining and generating reports from the inventory data base for RAP's personal computers.

REQUIREMENTS INCLUDE:

- Demonstrated skill in working with personal computers
- Demonstrated skill in working in the DOS environment
- Demonstrated skill in effectively working with a variety of employees at different levels in the Research Applications Program
- Demonstrated skill in training users in DOS applications
- Willingness to participate in additional training as needed
- Willingness to work outside of normal working hours as needed, this could encompass a 9am to 6pm workday

DESIRED BUT NOT REQUIRED:

- Working familiarity with WordPerfect and Windows
 - Familiarity with the Macintosh
 - Familiarity with presentation software packages such as PowerPoint or Freelance
 - Familiarity with graphics software packages such as CorelDraw, MacDraw and Freehand
 - Familiarity with UNIX
- Searl Brier

PART-TIME

UTILITY WORKER/FOOD PREPARATION - #1585

PLEASE NOTE: This position has been re-opened. Applications for this position must be received no later than 5:00 p.m. on May 15, 1992.

DIR - Food Services

Non-Exempt Range: 24, (.5 FTE) \$624 - 810/mo

DUTIES INCLUDE: Assists in food preparation at the Foothills Lab cafeteria. Washes equipment and dishes. Cleans designated areas. Receives deliveries of food and checks for correctness. Inventories and orders supplies for area with Food Service Manager. Stores and rotates supplies. Fills Coke machines at the Foothills Lab. Supports other food services employees.

REQUIREMENTS INCLUDE:

- Knowledge of sanitary dishwashing and food preparation techniques
 - Knowledge of receiving and food storage practices
 - Skill in understanding and following verbal and written instructions
 - Skill in working independently and with other staff
 - Skill in prior dishwashing and food preparation highly desirable
 - Physical ability to stand for extended periods of time
 - Physical ability to lift fifty (50) lbs. twenty (20) feet on a daily and regular basis
 - Willingness to work as needed during startup with the possibility of moving to a 7:30 - 4:00 position daily as the workload necessitates
- BJ Andersen

UCAR/NCAR is an equal opportunity/affirmative action employer.

Mail resumes to:
P.O. Box 3000
Boulder, Colorado 80307

Pick up applications at:
3450 Mitchell Lane
Boulder, Colorado 80301

Job Line: (303) 497-8707
Human Resources: (303) 497-8713

STUDENT ASSISTANTS

All student assistants must be enrolled for credit in an accredited secondary or post secondary school, college or university; or in a trade school which has received a Certificate of Approval from the Colorado State Board for Community Colleges and Occupational Education and must be able to work up to 20 hours/week during periods school is in session, and full-time during breaks.

STUDENT ASSISTANT II/III - #1590

PLEASE NOTE: This position has been re-opened. Applications must be received no later than 5:00 p.m. on May 29, 1992.

ATD - Research Aviation Facility
Flat Rate: Level II \$7.70/hr
Level III \$9.30/hr

DUTIES INCLUDE: Provides computing support functions to the Research Aviation Facility (RAF). Performs a variety of tasks which include routing cables, connecting peripherals, and troubleshooting system problems. Assists PC and SUN workstation users. Performs backups. Carries out software and documentation updates, and writes system utilities software.

REQUIREMENTS FOR LEVEL II INCLUDE:

- Knowledge of IBM and IBM compatible PC equipment and software
- Demonstrated skill in UNIX
- Skill in working in a TCP/IP, UNIX and DOS networked environment
- Skill in oral and written communications
- Skill in dealing with a broad spectrum of people and maintaining effective working relationships
- Willingness to perform routine tasks
- Willingness to work during normal business hours

ADDITIONAL REQUIREMENTS FOR LEVEL III:

- Knowledge of computer networking, especially PC based TCP/IP software and hardware
- Knowledge of X Windows programming
- Skill in FORTRAN and C programming

PLEASE NOTE: This is a one (1) year term position with the possibility of extension.

BJ Andersen

STUDENT ASSISTANT II - #1616

PLEASE NOTE: Applications must be received no later than 5:00 p.m. on May 29, 1992.

CGD - Global Dynamics
Flat Rate: \$7.70/hr

Hours: 20 hours per week during school, full-time during breaks

DUTIES INCLUDE: Provides research support for the Earth Observing System (EOS) program in the development of climate and climate change models through studying the forecast's sensitivity to observations. Writes simple FORTRAN computer codes to evaluate statistical characteristics and accuracy of model forecasts. Submits computer jobs to run the global circulation model and diagnostic codes. Maintains thorough experimental records. Will develop computer graphics codes for analyzing the forecast results.

REQUIREMENTS INCLUDE:

- Graduate student in related disciplines or fourth year undergraduate student with plans of attending graduate school in the Boulder/Denver area
- Interest in atmospheric science, oceanography, physics, or mathematics
- Knowledge of calculus and more advanced mathematics is highly desirable but not required
- Working knowledge of DOS and FORTRAN or BASIC
- Exposure to introductory linear algebra and statistics

PLEASE NOTE: This position is for a term of up to one year with the possibility of extension.

BJ Andersen

ADDITIONAL POSITIONS

SCIENTIST II/III - #1614

PLEASE NOTE: Applications for this position will be accepted until 5:00 p.m. on May 20, 1992.

ACD - Trace Gas Biogeochemistry Section (TGB)
Exempt Range: 60, \$3,827 - \$5,740/mo (Level II)
62, \$4,427 - \$6,640/mo (Level III)

First published in "Job Openings" on April 23, 1992

ADMINISTRATIVE SECRETARY - #1610

PLEASE NOTE: Applications for this position must be received no later than 5:00 p.m. on May 15, 1992.

CGD - Climate Analysis Section (CAS)
Non-exempt Range: 28, \$1,813 - 2,354/mo

First published in "Job Openings" on April 23, 1992

SOFTWARE ENGINEER IV - #1604

PLEASE NOTE: The job description has changed. Applications for this position will be accepted until 5:00 p.m. on June 19, 1992.

SCD - Computational Support
Exempt Range: 61, \$4,113 - 6,170/mo

First published in "Job Openings" on April 23, 1992

ASSOCIATE SCIENTIST I/II - #1607

PLEASE NOTE: Applications for this position will be accepted until 5:00 p.m. on May 15, 1992.

UCAR - Cooperative Program for Operational Meteorology, Education and Training (COMET)
Exempt Range: 54, \$2,480 - 3,720/mo (Level I)
56, \$2,867 - 4,300/mo (Level II)

First published in "Job Openings" on April 16, 1992

SCIENTIST II OR III - #1605

PLEASE NOTE: Applications for this position will be accepted until 5:00 p.m. on June 19, 1992.

SCD - Computational Support
Exempt Range: 60, \$3,687 - 5,530/mo (Level II)
62, \$4,260 - 6,390/mo (Level III)

First published in "Job Openings" on April 9, 1992

SCIENTIST I - #1600

PLEASE NOTE: Applications for this position will be accepted until 5:00 p.m. on May 15, 1992.

ATD - Surface and Sounding Systems Facility (SSSF)
Exempt Range: 58, \$3,313 - \$4,970/mo

First published in "Job Openings" on April 2, 1992

SCIENTIST I/II - #1598

PLEASE NOTE: Applications for this position will be accepted until 5:00 p.m. on May 15, 1992.

CGD - Climate Modeling Analysis and Prediction (CMAP)
Exempt Range: Level I, \$3,193 - 4,790/mo
Level II, \$3,687 - 5,530/mo

First published in "Job Openings" on March 26, 1992

SCIENTIST I/II - #1597

PLEASE NOTE: Applications for this position will be accepted until 5:00 p.m. on May 15, 1992.

CGD - Climate Modeling Analysis and Prediction (CMAP)

Exempt Range: Level I, \$3,193 - 4,790/mo

Level II, \$3,687 - 5,530/mo

First published in "Job Openings" on March 26, 1992

SCIENTIST I/II - #1596

PLEASE NOTE: Applications for this position will be accepted until 5:00 p.m. on May 15, 1992.

CGD - Climate Modeling Analysis and Prediction (CMAP)

Exempt Range: Level I, \$3,193 - 4,790/mo

Level II, \$3,687 - 5,530/mo

First published in "Job Openings" on March 26, 1992

SCIENTIST I - #1579

PLEASE NOTE: Applications for this position will be accepted until 5:00 p.m. on June 1, 1992. The deadline has been extended.

DIR - Environmental Societal Impacts Group

Exempt Range: 58, \$3,193 - 4,790/mo

First published in "Job Openings" on February 27, 1992

DIRECTOR OF OFFICE FOR INTERDISCIPLINARY EARTH STUDIES - #1561

PLEASE NOTE: The job description has changed. Applications for this position will be accepted until 5:00 p.m. on May 29, 1992.

UCAR - Office for Interdisciplinary Earth Studies (OIES)

Exempt Range: To be determined

First published in "Job Openings" on March 26, 1992

*Asterisked positions are appearing in "Job Openings" for the first time.

Calendar

11 May through 18 May 1992

Monday, 11 May

OPEN

Tuesday, 12 May

- CGD Seminar -- *Climate Change Scenarios Over the U.S. Simulated with an LAM Nested in a GCM* -- Filippo Giorgi, CGD

3:30 p.m.
Mesa Lab
Main Seminar Room

Wednesday, 13 May

OPEN

Thursday, 14 May

- MMM Seminar -- *Does Evaporation Increase Ice Crystal Concentrations in Clouds?* -- Al Cooper, MMM

3:30 p.m.
Foothills Lab 2
Room 1001

Friday, 15 May

- ATD Seminar -- *Sidelobe Suppression for Meteorological Radar with Pulse Compression -- A Non-Mathematical Approach* -- Harry Urkowitz, GE Aerospace

10:30 a.m.
Foothills Lab 3
Room 2072

- CGD Seminar -- *Development of the CSIRO Global Coupled Ocean-Atmosphere Model* -- Andy Moore, CSIRO, Melbourne Australia

10:30 a.m.
Mesa Lab
Main Seminar Room

Monday, 18 May

OPEN

Calendar announcements may be mailed to the Conference Office, ML 140. Tuesday at 5:00 p.m. is the deadline for items to be included.

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