HELP NEEDED FOR OPEN HOUSE

The NCAR open house is next week and volunteers are desperately needed to help with the event. "We expect over 5,000 people to visit the Mesa Laboratory during the open house," says planning committee member Vonda Giesey, "and we will need lots of help directing the flow of people and cars."

The open house will begin on Friday, 12 September, when the Mesa Lab will be open between 1:00 and 4:00 p.m. to invited guests and to the families of NCAR visitors and staff. On Saturday, 13 September, the building will be open to the general public from 9:00 a.m. to 4:00 p.m. "Anyone who can give us an hour or two during these times will be helping a lot. We need volunteers in the parking lot to avoid a traffic jam there, at the reception desk to count visitors, in the halls to direct the flow of people, and in the cafeteria to help with the refreshments. We simply don't have the staff to handle the open house without volunteers." If you wish to volunteer, please contact Vonda on ext. 222.

NOTE: Since the cafeteria area will be used for exhibits as well as for serving refreshments during the open house, lunch will NOT be served on Friday, 12 September. The cafeteria will close at 11:00 a.m. so that the exhibits can be installed. Please plan to bring a lunch to work next Friday or to go out for lunch.

ANNOUNCEMENTS

RUSSIAN TRANSLATION SERVICE AVAILABLE

Staff members may have Russian technical reports translated for a minimal fee by University of Colorado (CU) students who are in a special Russian language program. The program is sponsored by the Council for International Education Exchange through Leningrad State University and CU. The translation service is part of a pilot program between NCAR and CU; if successful, it will be expanded next year. Besides providing a needed service to NCAR staff, the technical translating will augment the students' studies and experience. (Accuracy of translations will be checked by the students' professors.) For more information, contact Professor Howard Daugherty (492-6239) or Carol Lilly (530-4008).

PROCUREMENT DEADLINES FOR FY 80

Any purchase requisition (PR) or request for contract action (RCA) to be committed from fiscal year 1980 funds must be received in Procurement no later than 26 September. Any PRs or RCAs received after that date will be committed against fiscal year 1981 funds.

INSURANCE CHANGES

This week, new booklets describing the changes in UCAR's life/medical insurance and travel accident insurance were distributed to staff members. If you did not receive these booklets and are eligible for these coverages, please contact Sandi Hoff, ext. 586.

DIRECTORY CORRECTION

Until further notice Donald Borock will be using ML room 320E, ext. 475.

NEW STAFF MEMBERS

Joseph Choy: Systems programmer III with the Atmospheric Technology Division. ML room 48A, ext. 209.

Ralph Cicerone: Division director of the Atmospheric Chemistry and Aeronomy Division. ML room 363, ext. 338.

CORRECTION FOR BIKE RACE RESULTS

Marc Nelson was omitted from the bicycle race results. His time and place should replace Ray Roble's; Ray did not compete in the race.

PHONE AND ROOM CHANGES

<table>
<thead>
<tr>
<th>Name</th>
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<tr>
<td>Brewster Rickel</td>
<td>77-695</td>
<td>RL-3 311</td>
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<tr>
<td>Philip Roskowski</td>
<td>77-718</td>
<td>RL-6 C140</td>
</tr>
<tr>
<td>Murry Salby</td>
<td>647</td>
<td>ML 261</td>
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</table>

(Continued)
2/Staff Notes/5 September 1980

Wilmot Hess: Director of NCAR. ML room 520B, ext. 200.

David Reyes: Custodian with the Administration Division. ML room 043A, ext. 343.

Chrisanto Salaz: Custodian with the Administration Division. ML room 043A, ext. 343.

Kevin Sweder: Support scientist I with the Atmospheric Chemistry and Aeronomy Division. ML room 180, ext. 697.

Joseph Taylor: Balloon technician I with the National Scientific Balloon Facility, Palestine, Texas.

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**CAFETERIA NEWS**

The "special special" for next Wednesday, (10 September) will be macaroni Cajun, Southern green beans, salad, sherbet, bread and butter, coffee or tea for $2.

**REMINDER**

The cafeteria will close at 11:00 a.m. on Friday, 12 September. LUNCH WILL NOT BE SERVED.

This week's winner of the free lunch is:

LEONARD ROMNEY

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**DEPARTURES**

<table>
<thead>
<tr>
<th>Name</th>
<th>Date</th>
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<tbody>
<tr>
<td>Michael Aden</td>
<td>29 August</td>
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<tr>
<td>Ronald Baca</td>
<td>19 August</td>
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<tr>
<td>Peter Bannon</td>
<td>19 August</td>
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<td>Joseph Cammelleri</td>
<td>26 August</td>
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<td>Gretchen Franz</td>
<td>25 August</td>
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<tr>
<td>Gary Glades</td>
<td>15 August</td>
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</tbody>
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**VISITORS**


--Patrick Zimmerman, Atmospheric Chemistry and Aeronomy Division


--Ralph Cicerone, Atmospheric Chemistry and Aeronomy Division

Uriel Frisch, Nice Observatory, France. Field of interest: Theoretical physics. 25 August-15 October. ML room 426, ext. 316.

--Jackson Herring, Atmospheric Analysis and Prediction Division


--John Wyngaard, Atmospheric Analysis and Prediction Division

John Graffy, Colorado State University. Field of interest: Spectral directional reflectance from precipitating cloud layers. 27 August-27 November. Computing carrels, dial "0" for paging service.

--Computing Facility

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Writer/Editor: Sally Bates
Production Assistant: Reed Glenn

Copy deadline is 5:00 p.m. on Tuesday for publication on Friday. Office: Mesa Laboratory room 259. Phone: 303-494-5151, ext. 644.
--Jackson Herring, Atmospheric Analysis and Prediction Division

Maurice Meneguzzi, Center for Nuclear Studies, Saclay, France. Field of interest: Astrophysics. 25 August-15 October. ML room 426, ext. 316.
--Jackson Herring, Atmospheric Analysis and Prediction Division

Fred Proctor, Texas A&M University. Field of interest: Numerical simulation of dynamic and thermal structure of an evolving tornado. 27 August-3 September. Computing carrels, dial "0" for paging service.
--Computing Facility

Mark Thiemens, University of California, San Diego. Field of interest: Evolution of plants and atmospheres. 1-2 September.
--Walter Berg, Atmospheric Chemistry and Aeronomy Division

--Francis Bretherton, Atmospheric Analysis and Prediction Division
LIBRARY SERVICES

The Library has special computer access to Meteorological and Geoastronomical Abstracts until October 1. Scientific staff needing computer literature searches of the MGA database should contact the library--Jan Wood, x430 or Chuck Wenger, x428--before October 1.

NEW JOURNAL SUBSCRIPTIONS

- ATOMIC SPECTROSCOPY Bi-monthly.
- COMPUTER NETWORKS Bi-monthly.
- EDIS Monthly.
- IEEE TRANSACTIONS ON SOFTWARE ENGINEERING Bi-monthly.
- SCIENCE 80 10 issues/year.

NEW BOOKS

REFERENCE BOOKS DO NOT CIRCULATE

- QA76.6 H46 1980. FUNCTIONAL PROGRAMMING APPLICATION AND IMPLEMENTATION. Henderson P.
- QA297 C65 1980. ELEMENTARY NUMERICAL ANALYSIS: AN ALGORITHMIC APPROACH 3d Ed. Conte S. D.
- QA297 S8213 1980. INTRODUCTION TO NUMERICAL ANALYSIS. Stoer J.
- QA372 W76 1978. WORKING CONFERENCE ON CODES FOR BOUNDARY-VALUE PROBLEMS IN ORDINARY DIFFERENTIAL EQUATIONS. Childs B.
- QA75 K6 Pt. 2 V17 1980. TREATISE ON ANALYTICAL CHEMISTRY. Kolthoff I. M. ed.

NEW TECHNICAL REPORTS

ASTRONOMY AND ASTROPHYSICS

ENGINEERING AND TECHNOLOGY

PHYSICS
- 1-9410. METHODS OF SEPARATION OF VARIABLES IN TURBULENCE THEORY. Tsuge S. 1978.

METEOROLOGY
- 1-9407. SPECIAL STUDY AN INVESTIGATION OF LOW LEVEL WINDS AS RELATED TO PARADROP OPERATIONS AT DYESS AFB. Texas. Johnson C. A. 1978.
- 1-9415. PAYLOADS USED IN FIRST THREE DATA-GATHERING BAMS FLIGHTS. Howel A. M. 1980.
- 1-9420. GROUND RANGE AND BEARING ERROR DETERMINATION AND DISPLAY FOR AN OTH BACKSCATTER SYSTEM WITH AN ARCTIC TROUGH IONOSPHERE. Bandes B., et.al. 1980.
- 19423. SPECTRAL ANALYSIS OF SCINTILLATION DATA TAKEN FROM AN AIRCRAFT. Barrett T. B. 1980.
NEW MICROFICHE

ASTRONOMY AND ASTROPHYSICS

COMPUR SCIENCE
UCRL82461. SIMULATION OF LNG VAPOR SPREAD AND DISPERSION BY FINITE ELEMENT METHODS. Chan S. T., et.al. 1979.
UCID8247. USER'S GUIDE TO THE DCON DECONVOLUTION CODE. Feit M. D. 1979.
JAERI7786. 'MICRO-8' MICRO-COMPUTER SYSTEM. Yagi H., et.al. 1978.
JINR631192. KACHESTVENNOE ISSLEDOVANIE I FRIBULIIZHENNOE RESHENIE NEREGULYARIZOVANNOGO URAVNYENIYA LOU. Zhidkov E. F., et.al. 1978.
LAUR791119. CORE + MODULES APPROACH TO FORTRAN STANDARDIZATION. Brainerd W. S. 1979.
LAUR79832. FORTRAN CALLABLE CAMAC STANDARD SUBROUTINES. Daniels D. W., et.al. 1979.
ORNLCSDTM84. EFFICIENT PROCEDURE FOR SELECTING AMONG FIVE RELIABILITY MODELS. Kent J. E. A. 1979.
ORNL16992. INTELLIGENT CAMAC I/O MODULE BASED ON THE SIGNETICS 8X300 MICRO CONTROLLER. Turner G. W., et.al. 1979.
OGR344382. RELIABLE ERROR ESTIMATION AND MESH ADAPTATION FOR THE FINITE ELEMENT METHOD. Abuska I., et.al. 1979.
PAEPL966710. CLOCK DISTRIBUTION SYSTEM FOR DIGITAL COMPUTERS. Wyman R. H., et.al. 1978.
JOB OPENINGS
September 3, 1980

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

Compensation and Benefits Coordinator - #2560
ADM - Personnel
Exempt range 75: $21,987 - 34,086/year
DUTIES: Responsible for the design, development, implementation, and administration of a compensation and benefits program which meets the needs of NCAR management and enables NCAR to attract and retain competent staff and which complies with equal opportunity, affirmative action, ERISA, and other legal requirements. Supervises employees who assist with the administration of this program.
REQUIRES:
-- Comprehensive knowledge of the principles and methods of modern personnel administration, including extensive knowledge of salary administration and up-to-date knowledge of all government regulations pertaining to Compensation and Benefits administration
-- Ability to manage others effectively and to establish and maintain effective working relationships with employees, NCAR staff, and other units of Personnel Office
-- Skill at evaluating and developing an effective salary administration system
-- Skill at interpreting and applying policies within general guidelines
-- Skill at establishing priorities and planning effectively for their accomplishment
-- Skill at effective oral and written communication about sensitive issues and through report preparation and presentation
-- Demonstrated skill at using good judgment in decision-making
-- Skill at identifying problems and recommending imaginative and effective solutions
-- Ability to quickly appreciate NCAR's unique qualities and understand its needs in the area of Compensation and Benefits, so as to be able to formulate responsive policies and procedures

Dishwasher - #2581
ADM - Cafeteria
Non-exempt range 20: $540 - 701/month
DUTIES: Will be responsible for washing all dishes, pots, pans and utensils used in cafeteria.
Will clean kitchen and dishwasher areas. Will clean tables in cafeteria twice daily.
REQUIRES:
-- Skill in understanding and following verbal or written instructions
-- Demonstrated stamina to stand on feet for extended periods of time
-- Ability/willingness to work 7 a.m. to 3:30 p.m. Monday through Friday
-- Ability to maintain good attendance record

Margareta Domecki, X581
Division Director - #2567
ATD
Exempt range 92: $38,757 to 60,079/year
DUTIES: Technical and administrative leader responsible for overall performance and long term success of the division and NCAR's representative to the scientific community with respect to field facility planning and operation, particularly in planning and conduct of major national and international field research programs; for development of modern capabilities to meet needs of research community; and for ensuring fair and effective allocation of ATD resources. Will participate in overall planning and management of NCAR and assist NCAR and UCAR management in devising methods for funding development, acquisition and operation of field facilities. Will ensure effective administration of division and effective pursuit of NCAR's affirmative action goals.
REQUIRES:
-- Ph. D. or equivalent in physical science or engineering
-- Broad knowledge of atmospheric research facilities, and breadth of vision about field facilities needed in atmospheric research to pursue major goals of the science, and

-- Work experience in a research organization
Margareta Domecki, X581
research experience in the use of such facilities
--Demonstrated skill in working cooperatively with scientists and organizations
--Demonstrated skills in planning, staffing and managing major field facilities
ALSO DESIRED, BUT NOT REQUIRED:
--Skill in devising and implementing a variety of funding and procurement strategies
--Demonstrated administrative skills in such matters as recruiting and management of technical and scientific staff, affirmative action, negotiation and monitoring of contracts and agreements; and budgeting of fiscal management
--Effective communication, advocacy and diplomatic skills
Margareta Domecki, X581

Electronics Engineer III - #2522

ATD - National Scientific Balloon Facility
Exempt range 58: $24,384 - 37,800/year
DUTIES: Will conduct research and development efforts in electronics for the NSBF. Will perform hands-on design efforts for electronics devices and systems used in high altitude scientific ballooning. Will represent the NSBF in conferences and meetings to present information, resolve questions and plan and coordinate work. May supervise work of a small number of engineers and technicians.
REQUIRES:
--BSEE
--High level skill in design of solid state devices, RF systems and system integration
--Knowledge of telecommand and data retrieval through use of satellites
--Skill in planning, scheduling and coordinating detailed phases of engineering work
--Skill at making independent decisions on engineering problems and methods
--Some skill in FORTRAN programming
--Skill in writing technical papers and reports
--Ability/willingness to travel about twice a year on trips lasting from seven to ten days each
--Skill in effectively interacting with subordinate staff, upper management and scientific staff within NCAR and from academic and governmental institutions
ALSO DESIRED, BUT NOT REQUIRED:
--Skill in BASIC programming
This position is located in Palestine, Texas.
Margareta Domecki, X581

Electronic Technician III - #2583

CSD
Non-exempt range 30: $1,399 - 1,812/month
DUTIES: Will be primarily responsible for installation, maintenance, repair and calibration of a variety of FM and AM radio equipment and for assistance in the design of a mobile radio shack and equipment storage facility.
REQUIRES:
--1st or 2nd class FCC Commercial Radio License
--Knowledge of field of Doppler radar meteorology
--Knowledge of random signal theory in the analysis of radar systems using signal theory techniques
--Ph. D. in engineering, physical sciences or mathematics
Marsha Hanson, X517

Telephone Operators License
--High level of understanding of electronic circuits (analog and digital) such as are common to modern communications equipment
--Skill at diagnosing and repairing faults in sophisticated electronic circuits
--Skill at using and caring for sophisticated electronic test equipment
--Familiarity with tower erection, maintenance and safety procedures (especially for crank-up and expandable towers)
--Willingness and ability to service tower-mounted equipment (up to 150 feet)
--Skill working with minimum supervision to maintain radio equipment and their associated service records
--Familiarity with a wide variety of available radio products (from antenna hardware to state-of-the-art transceivers)
--Willingness/ability to participate in field trips away from Boulder (about three months per year)
Margareta Domecki, X581

Engineer IV - #2504

ATD - FOF
Exempt range 59: $29,508 - 45,744/year
DUTIES: Is responsible for overall management of the Remote Sensing Group including all functions associated with development, operation and maintenance of meteorological Doppler radars, lidar and other remote sensing facilities which support several major research programs each year.
REQUIRES:
--Advanced degree or equivalent in EE, physics or applied mathematics
--Knowledge of pulsed Doppler radar theory
--Knowledge of digital radar signal processing techniques
--Knowledge of analog processing techniques
--Knowledge of transmitters, receivers, antennas, state-of-the-art hardware
--Skill in overall radar system analysis and design
--Hands-on skill in designing and developing one or more of the above component areas for radar systems
--Skill level normally associated with persons having 10 or more years experience
--Skill in technical leadership, management and planning
--Skill in effectively interacting with subordinate staff, upper management, and scientific staff within NCAR and from academic and governmental institutions
--Willingness to manage group in ways consistent with NCAR policies and Affirmative Action program
ALSO DESIRED, BUT NOT REQUIRED:
--Knowledge of field of Doppler radar meteorology
--Knowledge of random signal theory in the analysis of radar systems using signal theory techniques
--Ph. D. in engineering, physical sciences or mathematics
Marsha Hanson, X517
Programmer II (Applications) - #2561

CSD
Exempt range 61: $18,660 - 27,996/year
DUTIES: Will participate in the development of the software for the processing of aircraft data obtained from the CCOPE experiment in 1981. Will develop a central system for processing of data, an interactive system for editing and synthesizing data and software to mesh this data with radar data (conventional and Doppler).
REQUIRES:
--M.S. or equivalent in computer science, engineering or math
--Substantial FORTRAN programming skills
--Skill in design of interactive systems
--Skill in handling large multi-perimeter data sets
--Skill in development of large software package
--Skill in effective communication
--Skill in documentation of programs
--Skill in organizing and carrying through routine data processing
--Ability/willingness to participate in field trips of up to 2 weeks during spring and summer
NOTE: This is a term appointment expected to last two years.
Margareta Domecki, X581

Programmer III (Applications) - #2572

ATD - Users Services
Exempt range 62: $22,584 - 35,016/year
DUTIES: Will assist in evaluating, acquiring, developing, testing, maintaining, and documenting library software for scientific computing.
REQUIRES:
--M.S. or equivalent in computer science, mathematics, engineering or physical sciences
--Experience acquiring, developing or documenting library software and/or diverse and high-level applications programming experience
--Skill in writing technical documentation
--Skill in FORTRAN programming
--Willingness/ability to study and quickly learn about new advances in computer and software technology
ALSO DESIRED, BUT NOT REQUIRED:
--Familiarity with FORTRAN language standards, user-oriented interfaces, and software portability problems
--Experience in developing and documenting graphics utilities, mathematical software packages, or utility software tools for scientific computer users
--Familiarity with a commercial software library
--Experience as a user consultant
--Skill using the UNIX operating system
Margareta Domecki, X581

Secretary - #2580

ASP
Non-exempt range 25: $869 - 1,126/month
DUTIES: Will provide secretarial support for staff and visitors of ASP, to include Environmental and Societal Impacts Group. Will type correspondence, reports, and scientific papers; handle travel arrangements, authorizations, and vouchers; fill out visitor authorizations and information forms; maintain division files; maintain mailing lists; distribute information and announcements. Will assist staff on special projects.
REQUIRES:
--Knowledge of standard modern office procedures
--Thorough knowledge of English grammar, punctuation, spelling and composition
--Accurate typing at about 65 WPM
--Skill in establishing and maintaining good working relationship with others
--Skill in communicating effectively with a wide range of people
--Skill in exercising initiative and judgment with regard to scheduling work priorities
--Basic skill in arithmetic
--Willingness/ability to learn to operate word processing equipment
--Willingness/ability to use transcribing equipment
ALSO DESIRED, BUT NOT REQUIRED:
--Shorthand skills
--Scientific/technical manuscript typing skills
Margareta Domecki, X581

Support Scientist I - #2547

HAO
Exempt range 80: $14,592 - 21,900/year
DUTIES: Will perform a variety of research support activities for ongoing scientific research programs in the various section of the High Altitude Observatory. Specific duties may include: writing/running computer programs; performing statistical analysis including intercomparisons among data sets, standard deviations, averages and other appropriate analyses from tables of data; conducting literature searches and assisting with the building, testing and operation of instruments used in the HAO research activities.
REQUIRES:
--B.S. in physical sciences or equivalent work experience or knowledge
--Skill in statistical analysis and programming gained through course work or actual work experience
--Knowledge of mathematics at level gained through courses required of a physical sciences degree or gained through actual work experience where appropriate mathematical concepts were utilized
Ben Cordova, X508
Systems Programmer II - III - #2350

ATD - Computing Facility
Exempt range 61: $18,660 - 27,996/year
or 62: $22,584 - 35,016/year

DUTIES: Will perform software maintenance of NCAR's Modcomp II, RJE (remote job entry) system. A development effort will include improved host job status display capabilities and the final implementation of a network driver connecting the remote job entry system to the local network as well as connecting the proposed RJE replacement system to the network.

REQUIRES:
--M.S. or equivalent in computer science, EE, or mathematics
--2 - 5 years (level II) or 6 - 9 years (level III) of systems programming with demonstrated skill in maintenance of operating system software and writing/modifying peripheral equipment drivers
--Skill in assembly language programming and FORTRAN, with minicomputer, RJE protocols, terminals and modems, preferably the Modcomp II

Marsha Hanson, X517

Systems Programmer II - III - #2359

ATD - Computing Facility
Exempt range 61: $18,660 - 27,996/year (II)
or 62: $22,584 - 35,016/year (III)

DUTIES: Will perform software maintenance on CRAY 1 operating system. Will be involved in identifying sections of the operating system code that do not function according to specifications, providing problem by-pass suggestions to users awaiting fixes, generating new versions of the system following vendor releases, providing and updating modifications relating to NCAR's accounting needs and consulting with users of system behavior.

REQUIRES:
--M.S. or equivalent in computer science or related fields
--2 - 5 years (level II) or 6 - 9 years (level III) of system programming where duties included maintenance of operating system software on medium or large scale system environment and participation in file backup procedures
--Substantial skill in assembly language programming and FORTRAN

Marsha Hanson, X517

NCAR telephone calls during non-business hours.

REQUIRES:
--Demonstrated strength and stamina to make required rounds, move fire equipment, and work alone in isolated areas
--Demonstrated skill in communicating effectively with a wide range of people and using good judgment
--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 2 moving violations in last three years)
--Ability to qualify for and obtain American Red Cross Standard first aid certificate
--Flexibility/willingness to work on call-as-needed
--Experience as a security guard, law enforcement officer, or military person

Margareta Domecki, X581

STUDENT ASSISTANT, CASUAL

Student Assistant - #2571

ATD-RSF
Hire-in salary: $5.30/hour

DUTIES: Will assist in the R & D work involved with developing a new radiosonde that measures atmospheric temperature, humidity, wind speed and direction. Will involve constructing and testing electronic circuits, operating electronic test equipment, assisting in performing field tests on prototype circuits and producing schematics and parts lists for draftsman to use to produce final draft.

REQUIRES:
--Full-time student status (preferably at the junior level or equivalent) in physics or electronic engineering
--Availability and willingness to work 20 hours per week during academic year and 40 hours per week during vacations and summer
--Skill in and good understanding of building electronic circuitry (preferably without "cookbook" instructions)
--Skill in operating test equipment -- any combination of the following: spectrum analyzers,synthesizers, network analyzers, scopes and counters

ALSO DESIRED, BUT NOT REQUIRED:
--Familiarity or skill in printed circuit layout and computer programming
--Mechanical skills, such as lathe and milling machine operation

Marsha Hanson, X517
Student Assistant - #2577
CSD - Microphysics
Hire-in salary: $5.30/hour
DUTIES: Will assist in analysis of field data on convective storms, including geometric analysis of time-lapse motion pictures and reduction and simple analysis of aircraft and radar data. Will perform routine computer processing of radar data.
REQUIRES:
--Full-time student status
--Skills in math, including geometry, trigonometry and algebra
--Basic knowledge of general programming, of how to use a computer, and of a high level language (i.e. PASCAL or FORTRAN)
--Skill in accomplishing tedious, detail work accurately
--Skill in working independently and reliably
--Availability/willingness to work 15 - 20 hours/week during the academic year. (Summer and vacation schedules are presently unknown.)
Marsha Hanson, X517

Student Assistant - #2578
ATD - Research Aviation Facility
Hire-in salary: $5.30/hour
DUTIES: Will assist in batch processing of aircraft data using existing software, will help develop applications programs to scan and analyze aircraft data and special engineering projects and will help to establishing and testing standard software procedures for batch processing software which is currently nearing completion.
REQUIRES:
--Full-time student status in EE, physics, applied math or computer science (preferably at junior, senior or master's level)
--Current, thorough knowledge of FORTRAN programming
--Good knowledge of and some skill in operation of interactive minicomputer systems
--Availability/willingness to work 15 - 20 hours/week during academic year through May 1981, with the possibility of extension, depending on budget available and tasks needing to be done. May or may not involve full-time work during vacations.
ALSO DESIRED, BUT NOT REQUIRED:
--Familiarity with CDC 7600 and/or HP 1000 computers or equivalents
Marsha Hanson, X517

Student Assistant - #2579
AAP
Hire-in salary: $5.30/hour
DUTIES: To aid in observational studies of convective storms, clouds and fair weather atmospheric phenomena using primarily aircraft data. This will involve writing, modifying and running computer programs to read and write aircraft data tapes and analyze these and other data. Will perform hand and computer plotting of data and simple data evaluation, as well as cataloguing, analyzing and organizing data sets.
REQUIRES:
--Full-time student status in physics, EE, computer science or applied math, preferably at the junior level or higher
--Skill in trigonometry and calculus and completion of at least 2 physics or chemistry courses
--Proficiency in FORTRAN programming
--Demonstrated skill and application of computer programming to problems other than relating to an elementary FORTRAN course
--Willingness/ability to work 10-20 hours/week during the academic year. Possibility of working full-time or part-time during summers and vacations is presently unknown.
ALSO DESIRED, BUT NOT REQUIRED:
--Skill in magnetic tape manipulation
--Some thermodynamics knowledge
Marsha Hanson, X517

Student Assistant - #2582
CSD - Microphysics
Hire-in salary: $4.35/hour
DUTIES: Will photograph hailstones and hailstone thin-sections with a 35 mm camera, will catalogue the data and assist with experiments and field projects.
REQUIRES:
--Full-time student status
--Ability to pay attention to detail
--Skill at doing tedious work accurately and neatly
--Eligibility to obtain GSA driver's license
--Endurance to withstand performing majority or work in cold room at about -15°C
--Ability/willingness to work 15-20 hours/week during academic year. Required hours for vacations and summers are not presently known.
ALSO DESIRED, BUT NOT REQUIRED:
--Familiarity with photographic equipment
Marsha Hanson, X517
MONDAY, September 8

• ERL/NCAR Joint Seminar -- Atmospheric Chemistry Research in China, Wang Mingxing, Institute of Atmospheric Physics, People's Republic of China
  1:30 p.m.
  RB/3, Room 620

TUESDAY, September 9

• AAP Seminar -- Dynamics of Rotating Convection, Douglas Lilly and Richard Rotunno, AAP
  3:30 p.m.
  NCAR Mesa Lab, Main Seminar Room

WEDNESDAY, September 10

Open

THURSDAY, September 11

• Meeting -- Computing Facility Advisory Panel
  9:00 a.m. through 5:00 p.m. Friday
  RL/6, Conference Room

FRIDAY, September 12

• NCAR Open House -- Preview for NCAR Staff, Families, Friends and Invited Guests
  1:00 p.m. to 4:00 p.m.
  NCAR Mesa Lab

MONDAY, September 13

Open

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