This image shows one of two sun-grazing comets discovered by a High Altitude Observatory (HAO) solar observing instrument aboard the Solar Maximum Mission (SMM) satellite. Sun-grazing comets are so named because their orbits intersect that of the sun. Eventually, they fall into the sun and are consumed.

The tail of this comet (named SMM 2), which appears as a streak just below the center of the right-hand side of the photograph, extends several million kilometers away from the sun. The instrument that recorded the image, called a coronagraph, uses a metal disk to create the appearance of a solar eclipse. In the photo, the position...
of the sun is shown as a dotted circle on the shadow of the disk. The light-colored sheets extending outward on both sides of the sun are its dim outer atmosphere, called the corona.

The discovery of sun-grazing comets by spacecraft is relatively rare. It appears, however, that these two comets were not detected by ground-based observers who routinely search the night skies for new comets. The comets, dubbed SMM 1 and SMM 2, first appeared in the coronagraph's field of view when they were about two million kilometers from the sun. SMM 1 is traveling at a speed of about 250 kilometers per second, and SMM 2 at about 200 km/s.

Sharon Beck of HAO spotted the comets in the coronagraph images, which were obtained on 5 and 17 October 1987. The images were processed at HAO by Andrew Stanger, Joan Burkepile, and Marsha Rainey. •CR

Winchester Awarded for Refereeing

John Winchester, the acting director of the Atmospheric Chemistry Division, recently received the Editor's Citation for Excellence in Refereeing from the American Geophysical Union (AGU) for his work on the journal Global Biogeochemical Cycles. Each AGU journal editor gives one such award annually. Global Biogeochemical Cycles started publication last year; Jack has refereed three papers for the journal.

Jack, a professor in the Oceanography Department of Florida State University, is at NCAR for eight months while Ralph Cicerone takes a leave of absence to pursue his research. •CR

Announcements

Data Base Class

The High Altitude Observatory is sponsoring a data base management class in house on 12–14 July. The course will be taught by the Strategic Advantage company of Topeka, Kansas. The regular cost of this course is $800, but NCAR employees are being offered a two-for-one deal; i.e., two people can sign up for a total cost of $800. The sessions will be held from 8:30 a.m. to 4:30 p.m. each day; the 12 and 13 July sessions will be held in the Fleischmann Building, and the 14 July session will be in the Chapman Room. To enroll or for further information, please call Harsh Passi at ext. 1560.

Where's the Beer?

Where's the Beer? ended its winning streak with a loss to Computer Linkage 17–7, but rallied the next week to beat the Good Guys 18–7. In the second game, a trio of pitchers held the team at bay while Wes Wildcat supplied the beef with three doubles, a home run, and eight RBIs. The trio of Tim Brown, Chris Ennis, and Linda Croom made the team's first double play of the year. The next game is tonight, 7 July, at 9:45 p.m. at East Mapleton Field.
No Library News

This week's Staff Notes does not include Library News. The section will return next week.

Summer Party Is 15 July

The Employee Activities Committee has scheduled the summer staff party for 15 July at North Boulder Park. The event will be an old-fashioned ice cream social for the whole family. The festivities will begin at 3:00 p.m. and will include ice cream and games for adults and kids. Ice cream, toppings, and nonalcoholic beverages will be provided. There will be a contest for the best dessert, with prizes for the winners.

Directory Changes

Juliana Rew 1830

Ellitch Day

On 20 July, NCAR staff and their families are invited to enjoy a day at Ellitch's. The discount price of $6.50 covers admission and unlimited rides. The park opens at 10:00 a.m., and free beer and soft drinks will be available at the Victorian Grove Pavilion from 5:00 p.m. to park closing at 9:00 p.m. Passes will be available starting 12 July from Dorothy Kokesh at the Mesa Lab, Marsha Peterson at 55A, Kim Weaver at Jeffco, Martine Bunting at East Park, and Ray Steineck at RL-6.

Visitors

HOWARD BLUESTEIN, University of Oklahoma. Field of interest: Low precipitation and severe storms. 24 June–15 August. RL-6 room W101, ext. 8617.
—Richard Rotunno, Mesoscale and Microscale Meteorology Division

—John Gille, Atmospheric Chemistry Division

ANNE de RUDDER, Institute for Space Aeronomy, Brussels, Belgium. Field of interest: Atmospheric chemistry. 27 June–11 September. ML room 163, ext. 1445.
—Guy Brasseur, Atmospheric Chemistry Division

JOHN GYAKUM, McGill University, Montreal, Quebec, Canada. Field of interest: Synoptic meteorology. 27 June–27 July. RL-6 room W105, ext. 8618.
—William Kuo, Mesoscale and Microscale Meteorology Division

MATTHEW McIRVIN, William and Mary College. Field of interest: Mesoscale and severe storms. 25 May–15 August. RL-6 room C185, ext. 8915.
—Joseph Klemp, Mesoscale and Microscale Meteorology Division

JOSE PARRA, Vassar College. Field of interest: Atmospheric chemistry. 22 June–31 August. ML room 380B, ext. 1419.
—Allan Lazrus, Atmospheric Chemistry Division

—John Winchester, Atmospheric Chemistry Division

ALBERT SEMTNER, Jr., Naval Postgraduate School, Monterey, California. Field of interest: Ocean modeling. 10–12 July. ML room 202C, ext. 1339.
—Robert Chervin, Climate and Global Dynamics Division

—Rolando Garcia, Atmospheric Chemistry Division

—Joseph Tribbia, Climate and Global Dynamics Division

RANDY WATTS, University of Rhode Island. Field of interest: Ocean modeling. 1 July–31 December. ML room 150A, ext. 1353.
—William Holland, Climate and Global Dynamics Division

NOBUO YAMAZAKI, Iowa State University. Field of interest: Dynamic and synoptic meteorology. 1 June–31 July. ML room 402C, ext. 1377.
—Joseph Tribbia, Climate and Global Dynamics Division

WANG YING, Florida State University. Field of interest: Atmospheric chemistry. 28 June–31 December. ML room 380B, ext. 1418.
—Allan Lazrus, Atmospheric Chemistry Division
July 6, 1988

NCAR/UCAR is an equal opportunity/affirmative action employer. Salaries for new employees and for current employees receiving reassignment 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 requirements and assessing expected performance levels.

**HUMAN RESOURCES MANAGER - #0938**

DIR - Personnel/EOP
Exempt Range: 58, $2,867 - 4,300/mo

DUTIES INCLUDE: Manages the group responsible for the development and provision of employment, equal opportunity/affirmative action, management development, employee relations, records management programs and services. Develops, evaluates, modifies and directs a comprehensive employee relations program. Counsels employees and supervisors and mediates disputes as necessary. Oversees the administration of UCAR's policies on Discipline, Termination, and Problem-Solving, Appeals, and Grievances. Develops, evaluates, modifies and directs UCAR's equal employment opportunity and affirmative action programs including compliance audits, compliance agency liaison, charges and suits, reporting, and the EOP budget. Develops, evaluates, modifies and directs special employment programs which promote affirmative action.

REQUIREMENTS INCLUDE:
-- Comprehensive knowledge and demonstrated skill in the application of the principles and methods of modern personnel administration, including extensive knowledge of employment, affirmative action and equal employment opportunity, employee relations, and management training
-- General knowledge of salary and benefits administration principles and methods
-- High level skills in counseling and conflict resolution
-- Current knowledge of federal, state, and local statutes and regulations relating to equal employment opportunity, affirmative action, and fair employment practices
-- Skill in compiling data, doing simple statistical analyses, and preparing reports summarizing results and making recommendations
-- Skill in establishing contact with special populations, universities, colleges and other resources for the purpose of special employment program recruiting

Becky Foco

**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 - #0937**

MMM - Convective Meteorology Section
Flat Rate: $7.35/hr

DUTIES INCLUDE: Edits, modifies, and submits computer programs and mathematical calculations involving reduced aircraft data; plots, classifies, and archives data; and works with ice crystals in a laboratory.

REQUIREMENTS INCLUDE:
-- Skill in FORTRAN programming
-- Skill in applying mathematics
-- Skill in following written and oral instructions
-- Knowledge of physical principles

Becky Campbell
ADDITIONAL POSITIONS

We are still accepting applications for positions listed below. For information on any of the following previously published job vacancies, please contact the Personnel/EOP office on extension 8693.

SCIENTIST I - #0927

CGD - Environmental and Societal Impacts Group (ESIG)
Exempt Range: 57, $2,667 - $4,000/mo
Date first published in "Job Openings:" May 18, 1988

SCIENTIST I - #0931

ACD - Atmospheric Kinetics and Photochemistry Project
Exempt Range: 57, $2,667 - 4,000/mo
Date first published in "Job Openings:" June 1, 1988

STAFF SCIENTIST - #0899

UCAR - Office of Interdisciplinary Earth Studies (OIES)
Exempt Range: 60, $3,313 - 4,970/mo
Date first published in "Job Openings:" March 30, 1988

UCAR PRESIDENT - #0898

UCAR - Office of the President
Date first published in "Job Openings:" March 20, 1988

WRITER/EDITOR II - #0932

SCD - Documentation Group
Exempt Range: 54, $2,147 - 3,220/mo
Date first published in "Job Openings:" June 1, 1988

INO

The Institute for Naval Oceanography (INO), located near Bay Saint Louis, Mississippi, is dedicated to ocean prediction research and development. The INO is pursuing the development and demonstration of mesoscale eddy-resolving ocean prediction systems on a global basis. Areas of particular interest include: the coastal ocean, the Gulf Stream region and North Atlantic basin, the California Current region and North Pacific basin and the global ocean.

INO is currently seeking computer scientists and managers, research scientists and support scientists at all levels. To apply for any of these positions, submit your resume and the names of three individuals willing to provide references to Newton Spitzfaden, Personnel Specialist, INO, Building 1103, Room 233, Stennis Space Center, MS 39529-5005, or call (601) 688-5737 for additional information about these or other opportunities at INO.

*Asterisked positions are appearing in "Job Openings" for the first time.
MONDAY, 11 July

- MMM Seminar -- Large Eddy Simulations of the Convective Boundary Layer Over Surfaces with Spatially Varying Heat Flux, Mark Hadfield, Colorado State University, Ft. Collins, CO
  
  3:30 p.m.
  RL-6 Main Seminar Room W-179

TUESDAY, 12 July

- CGD Seminar -- An Idealized Model of Rossby Wave-Hadley Cell Interaction, Isaac Held, Geophysical Fluid Dynamics Laboratory, Princeton University
  
  3:30 p.m.
  NCAR Mesa Lab, Chapman Room

WEDNESDAY, 13 July

OPEN

THURSDAY, 14 July

OPEN

FRIDAY, 15 July

OPEN

MONDAY, 18 July

OPEN

Calendar Notes announcements may be mailed to Sheryl Meek, ML 140. Tuesday at 5:00 p.m. is the deadline for items to be included in Calendar Notes.