MAY 1 - 11, 2006

**SCOPE** is a twice-weekly newsletter for the New Mexico Tech community, provided as a service by the Office for Advancement.

**Monday, May 1**

**Hydrology Seminar:** 3:30 p.m., MSEC 103. Bark Wickel will present TWO talks within the one seminar. They are: "Water and Nutrient Dynamics of a Humid Tropical Agricultural Watershed in Eastern Arizona" AND "Applications of MODIS Direct Broadcast Data for Ecosystem Monitoring in Mexico"

**IEEE Meeting:** 7 p.m., Jones Annex 101. Tech's local student branch of IEEE; final meeting of the semester. Guest speaker Chris Langley of NRAO will present "Atacama Large Millimeter Array comes to Tech Campus." Come check it out!

"Colores!": 9 p.m., KNME-TV, channel 5. "Sleeping Monsters, Sacred Fires: Volcanoes in New Mexico," a documentary on volcanology topics in New Mexico, will feature a segment with Nelia Dunbar of the New Mexico Bureau of Geology and Mineral Resources. The program will also be re-broadcast at later dates during May.

**Tuesday, May 2**

**Humanities Research Colloquium:** 4 p.m., Tripp Room, Skeen Library. "Lightweight Literate Programming: A Case Study in Single-Sourcing," presented by Lynda Walsh (Humanities), Allan Stavely (Professor Emeritus, CS) and John Shipman (TCC). Lightweight Literate Programming (LLP) is an adaptation of Donald Knuth's method by Allan Stavely that makes it easier for programmers to write programs that are elegant, enjoyable to read, and easy to maintain and repair. The study we'll be presenting investigates the applicability of LLP to single-sourcing solutions in industry, focusing on XML. Hands-on session after the talk.

**Final Performance, Music Projects:** 7 p.m., Jean Macey Music Annex. Everyone is invited to hear performances of final projects by students in the music composition class.

**Student Association Meeting:** 9 p.m., Workman 113. Open to all students, as well as student senators.

**Wednesday, May 3**

**Band Concert:** 8 p.m., Jean Macey Music Annex. Free performance by the NMT
Concert Band. Adaptations of music by Beethoven, Sousa, and traditional favorites for concert band.

Thursday, May 4

TC Senior Thesis Presentations: 3:30-5 p.m., Tripp Room, Skeen Library.


Swing Dance: 8 to 10 p.m., SAC. Sponsored by New Mexico Tech Ballroom Dance Club. Not limited to swing dancing. If you want a special song or style please bring a CD for us to play. Open to everyone; includes short lesson, if requested.

Friday, May 5

Last Day of Classes

Cinco de Mayo Celebration: historic Socorro Plaza. Sponsored by Chamber of Commerce.

Owl Bar Run: all day, return rides at noon, 6 p.m., 7 p.m. Runners, bikers, and walkers are invited to join in the Owl Bar Run, covering the 13-mile course from the Tech Gym to the Owl Bar in San Antonio, NM. Sponsored by the Tech Gym. Individuals or groups may begin at any time; Tech Gym staff members will provide return transportation for those who want it at noon, 6 p.m., and 7 p.m. Water stations will be provided at the 4-mile marker and each two miles thereafter. The Owl Bar will provide a complimentary non-alcoholic drink of choice at the completion of the course. In addition, an Owl Bar Run T-shirt will be available for $3.00 for participants and $6.00 for non-participants.

Participants are invited to pick up a route map at the New Mexico Tech Gym or call 835-5852 for details.

NRAO Colloquium: 11 a.m., AOC. Jasper Wall, University of British Columbia, speaks on "The Space Distribution of High-Luminosity AGNs and Friends."


Saturday, May 6
Finals begin: Schedule at http://infohost.nmt.edu/mainpage/registration/finalssp2006.pdf. If you have conflicts, please contact the professors involved.

Rifle School: 8:30 a.m., Socorro Rifle range. Tech students free, others small charge. Contact Jim at 835-5409 for more information.

Sunday, May 7

Midnight Breakfast 11 p.m. (Sunday) to 1 a.m. (Monday), NMT Dining Hall. Tutors will be provided and free breakfast to students with ID. This event is sponsored by the Student Association Activities Board.

Monday, May 8

Finals: Schedule at http://infohost.nmt.edu/mainpage/registration/finalssp2006.pdf. If you have conflicts, please contact the professors involved.

Tuesday, May 9

Finals

Wednesday, May 10

Finals

Thursday, May 11

Finals end

For events further in the future, see the New Mexico Tech Calendar, http://infohost.nmt.edu/mainpage/calendar/mastercal.html

SCOPE Notices

NEWS:

--Tech Student Develops Science Curriculum for Children
ENVIRONMENTAL FELLOWSHIPS AVAILABLE:

--Must be full-time student. Must be US citizen or permanent resident. Must exhibit interest in the environment. Sponsored by the WERC program. Go to www.werc.net for more information. Fall 2006 Application Deadline: June 2, 2006. Please pick up application with Emma Aafloy, Brown 200A.

SWIM CENTER:

--Beginning May 1, 2006 the payroll deduction for a Swim Center family pass will increase from $3.96 to $4.24 per paycheck. The deduction for an individual pass will increase from $2.87 to $2.99.

RAFFLE:

--SPE (Society of Petroleum Engineers) is holding a raffle. You may win an iPod (30 GB) or a Sony 5 mega-pixel digital camera. $2 for one ticket or $5 for 3. Drawing on April 29. Contact Haffa, 835-8163 or drop by Petroleum Dept. Office.

SUMMER FINANCIAL AID

--Students, if you have enrolled in Summer School and would like to apply for financial aid, stop by the Financial Aid Office, 222 Fidel Center.

AFFIRMATIVE ACTION/EQUAL OPPY OFFICE:

--Ms. Joye Brawley in the Affirmative Action Office at Fitch Hall is out on leave for an undetermined period. Messages or materials related to the Affirmative Action Office should be addressed and directed to Elias M. Hernandez, Director, Affirmative Action, 835-5645. Thank you.

HOUSES FOR SALE:

--Sallie Smith is selling 1205 Vista Drive. The contact number is 835-0453.

--Dr. Junhang Dong is selling the house at 500 Mesa Drive. The contact phone number is (505) 553-2052 (afternoons only).
--Janice Leach is selling 1218 Apache Dr. on Tech Hill. The contact number is 345-5075.

--SCOPE advertises ONLY houses on Tech Hill for sale. Since New Mexico Tech owns the land under the houses on Tech Hill, state law requires us to offer these houses for sale to the Tech community (and NRAO) before they are made available to the general public.

--SCOPE does not advertise any other houses for sale or rent. SCOPE is not allowed to compete with the private businesses that sell houses and sell advertising.

NEW MATH CLASS OFFERED:

--A new course for graduate students and seniors in Fall 2006: Math 513: Numerical Modeling and Simulation with Finite Elements. The course will be a study of the theory of the finite element method, integrated with mastering COMSOL, a state-of-the-art computer software for modeling and simulation of complex multiphysics phenomena. COMSOL is a powerful tool for solving a wide range of problems arising in engineering and science. Elementary knowledge of programming in Matlab, differential equations, linear algebra, and numerical analysis is recommended. Seniors may enroll in this class with approvals of the major advisor and the instructor.

The course will be offered TR 2:00-3:15 p.m. Instructor: Dr. Rakhim Aitbayev, Assistant Professor of Mathematics

FACILITIES MANAGEMENT CONSTRUCTION UPDATE:

--Updated April 12.

Fidel Center: Move in has been completed. A Temporary Certificate of Occupancy has been secured.

Cramer Hall Renovation: Mechanical/electrical is near completion at the second floor. Ceiling grids will be complete at the second floor. Doors are being installed on the first floor. Carpet and VCT tile are being installed on the first floor. Estimated finish date: June 2006.

Hail Damage Repair Schedule:

- Jones Hall . parking at north and south entrances have been blocked off - start date 04/12/06.
- EMRTC Load Shed - start 04/17/06

Date Pending: MetTop, Core shed skylight
Magdalena Ridge Observatory

- Road Maintenance and upgrade - the road is maintained to provide continued drivability and safe conditions. Maintenance is performed continually.
- Utility Trench Construction
- Single Telescope Building Construction

COMMUNITY COLLEGE:

--The Community College Summer 2006 schedule is now available! To register, go to the Registrar's office, Fidel 285. Sign up early. Remember, free to full-time undergraduate students when classes are part of their 12-18 hour course load. Full-time graduate students carrying 12 academic credits hours may take one additional credit of Community College courses at no additional charge. Full time employees may use their tuition waiver for up to 3 credit hours for themselves or their dependent family member each semester. Click here for info, http://www.nmt.edu/~eodi

REGISTRAR'S OFFICE (FIDEL 285):

Important Academic Dates:

Friday, May 5: Last Day of Classes

Saturday, May 6: Finals begin: Schedule at http://infohost.nmt.edu/mainpage/registration/finalssp2006.pdf. If you have conflicts, please contact the professors involved.

Thursday, May 11: End of finals

May 12 and 13: Golden Reunion, Class of 1956, Silver Reunion, Class of 1981

Saturday, May 13: Commencement

--MAY 2006 GRADUATES:

- If you plan to graduate in May 2006, please check the information on http://infohost.nmt.edu/mainpage/commencement/c2006/. Please file an "Intent to Graduate" form with the Registrar's Office. If you plan to participate, you should also fill out a "Cap and Gown" form.
- If you have filled out an "Intent to Graduate" form, your name should be on this list: http://infohost.nmt.edu/mainpage/commencement/c2006/may2006grads.pdf.
This list represents how your name and degree will appear on your diploma. If you want to change any of this information, please contact the Registrar's Office.


--Questions concerning academic policies, degrees, grades, etc. are welcome at our office. Come by and see us at Brown Hall, room 100.

JOB OPENINGS AT TECH:

Full descriptions of job openings are available at Job Openings, http://externalweb.nmt.edu/hr/. New Mexico Tech is an Equal Opportunity/Affirmative Action Institution.

SCOPE is a twice-weekly newsletter for the New Mexico Tech community, provided as a service by the Office for Advancement.