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

Monday, Oct. 23

**Mechanical Engineering Seminar:** 11 a.m., MSEC 101. Dr. Osman Inal speaks on "Energy and the Environment."

**Thesis Defense:** 4 p.m., MSEC 105. Sandeep Arya, graduate student in Mineral Engineering with a specialty in explosive engineering, defends "Comparison of Blasting Performance Using Detonating Cord, Non-Electric Delay and Electronic Delay Detonator Systems." All are invited to attend.

**FE Exam Review:** 6 p.m., MSEC 101. Dr. Robert Bond will review electrical engineering, for those who are taking the Fundamentals of Engineering exam on Oct. 28.

Tuesday, Oct. 24

**Dissertation Defense:** 2 p.m., MSEC 101. Severine Van Slambrouck, graduate student in chemistry, defends her Ph.D. thesis entitled "Novel mechanisms of cancer cell invasion."

**LANL Undergraduate Student Program:** 3 p.m., Fidel Quiet Lounge (near computer room). Barbara Grimes of Los Alamos National Lab will discuss summer, part-time, and full-time appointments for undergraduate students. Appointments are available for 90-day summer internships with the option to continue working part-time during the academic year.

Wednesday, Oct. 25

**Materials Seminar:** 2 p.m., Jones 106. Dr. Daniel H. Doughty of Sandia National Laboratories speaks on "Battery Technology Development for Hybrid Electric Vehicles."

**Intro to XML:** 4 p.m., MSEC 187. Today: "Reading and writing XML from programs"

**Chemistry Seminar:** 4:30 p.m., Jones Annex 101. Steven Brock, Department of Chemistry, New Mexico Tech, speaks on "How to Find a Needle in a Haystack: An Introduction to Bioassay-Guided Fractionation."
Programming with Python: 5:30 p.m., Weir 128. Today: "Object example; special methods"

FE Exam Review: 6 p.m., MSEC 101. Dr. William Stone will review mathematics, for those who are taking the Fundamentals of Engineering exam on Oct. 28.

Thursday, Oct. 26


Geoscience Seminar: 4 p.m., MSEC 101. Paul Kapp, Univ. of Arizona speaks on "Tibet tectonics." Sponsored by Earth and Environmental Science Dept. and NM Bureau of Geology and Mineral Resources.

Programming with Python: 4 p.m., Weir 128. Today: "Object example; special methods"

Chemistry Seminar: 4:30 p.m., Jones Annex 101. Dr. Nikolai Kalugin, Dept. of Chemistry, "Probing Nanotube-Based Ambipolar Field Effect Transistors by Magnetic Field."

Intro to XML: 5:30 p.m., MSEC 187. Today: "Reading and writing XML from programs"

FE Exam Review: 6 p.m., MSEC 101. Dr. Bahktiyarov will review dynamics, for those who are taking the Fundamentals of Engineering exam on Oct. 28.

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, Oct. 27


NRAO Colloquium: 11 a.m., AOC. David Whysong, NRAO, speaks on "Obscured Quasars in 3CR FR-II Radio Galaxies...Performing AGN Statistics of a Higher Moral Character"

Management Seminar: noon, Speare 113. Ann Riley of Sandia National
Laboratories speaks on "Technology Commercialization and Startups at Sandia Labs."

**Geoscience Seminar:** 3 p.m., MSEC 101. H.A.R. de Bruin Wageningen University Research Centre speaks on "Long path scintillometry: a review." Sponsored by Earth and Environmental Science Dept. and NM Bureau of Geology and Mineral Resources.

**Mathematics Seminar:** 4 p.m., Weir 209. Steve Schaffer speaks on "Analysis Tools for Electric Power Systems."

**Halloween Bazaar:** 6 - 10 p.m., SAC. Come fundraise for your Club! Tables still available. We set up/tear down and you just have to run your fundraiser. Sponsored by Desert Willows and Mountain Springs Apartments. Jr. High and High School clubs welcome to participate.

**Saturday, Oct. 28**

**FE Exam:** arrive by 7:15, exam begins at 8 a.m., East Gym. Fundamentals of Engineering exam.

**Hamfest:** 8 a.m. to 3 p.m., on grounds of Fire Academy. Sponsored by Socorro Amateur Radio Assn. and Tech Amateur Radio Assn. See http://www.socorroara.org/hamfest.html

**Soccer Tournament:** Tucson. Tech Miners participate in regional tournament.

**Rugby Match:** 2 p.m., St. Pius X HS Field, Albq. Tech Pygmies vs. Albq Brujos.

**Presidents’ Dance:** 8 to 11 p.m., Macey Center. Annual semi-formal dance sponsored by Presidents' Hall. Theme: "Golden Dynasty." Single $3; couple $5. Tickets available from RA's or Residential Life Office.

**Sunday, Oct. 29**

**Fall Back:** set clocks back one hour.

**Soccer Tournament:** Tucson. Tech Miners participate in regional tournament.

**Tuesday, Oct. 30**

**Hydrology Seminar:** 3:30 to 4:30 p.m., MSEC 103. Julie Coonrod of the University of New Mexico, Albuquerque, NM, speaks on "City of Albuquerque’s Water Resources Strategy and Modeling of the Rio Grande."
Monday, Oct. 31

**Grade Option Deadline:** Last day to choose audit, S/U, or withdrawal with a W on your transcript

**Trick-or-Treating:** Second floor, Fidel.

**Halloween Costume Contest:** 12:15 to 12:30 p.m., Fidel Atrium. A panel of faculty and staff will judge the student costume contest. A panel of students will judge faculty/staff. Prizes!

**Scary Movie Day:** all day, Fidel Commons. Scary movies will be played all day. Lemonade and popcorn provided.

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

SCOPE Notices

**NEWS:**


--NMT Undergraduate Team Secures $10,000 EPA Grant, [http://infohost.nmt.edu/mainpage/news/2006/13oct01.html](http://infohost.nmt.edu/mainpage/news/2006/13oct01.html)


**49ERS PARADE WINNERS:**

**Grand Prize: EMRTC-A FLOAT**

**Float**

- First: Capitol Bar
- Second: EMRTC-B
- Third: Socorro Electric Coop
NMT Entry

- First: Student & University Relations
- Second: Physics Club
- Third Place Tie: West Hall Dudes and Chemistry Dept.

Horse or Burro

- First: Riders of the Rio Grande
- Second: Richard & Deanna's Carriage
- Third: Rep. Don Tripp with flag

Vehicle

- First: Judy Lovelace 57 T-Bird/Sallie Smith, Grande Dame
- Second: Socorro Old Car Club
- Third: First State Bank 27 Model T

Band

- First: Rawhide Hillbilly Band

Thanks to all who participated! Thanks to our judges: Karen DeBont, Maggie Griffith, Dennis and Jean Stanley. Thanks to Doc Stanley for making unique trophies.

GENERAL OBLIGATION BOND B:

--On Nov. 7, New Mexico voters will have the opportunity to vote on GO Bond B. This bond provides funding for higher education improvement projects, including the following at New Mexico Tech:

- $1 million for finishing the third floor of Fidel Center
- $6.5 million for renovating Jones and adding onto Kelly Halls

ATTN: PRINCIPAL INVESTIGATORS

--NMIMT recently negotiated provisional indirect cost rates for FY 06/07 with the Office of Naval Research. Effective immediately, the following rates should be used on proposals submitted and funded in FY06/07.

College Rates - Sponsored Research Activities
• On-Campus 29.8%
• Off-Campus 11.1%

**College Rates** - Other Sponsored Activities

• On-Campus 27.5%
• Off-Campus 9.7%

**EMRTC IERA) Rates** - Sponsored Research Activities

• On-Campus 32.6%
• Off-Campus 8.4%

**EMRTC (IERA) Rates** - Other Sponsored Activities

• On-Campus 13.5%
• Off-Campus 11.5%

**EMRTC Facility Support Rate:** 22.6%

Projects awarded under prior proposed rates may be adjusted in accordance with OMB Circular A-21, Section G.7. These will be reviewed on an individual basis.

The rates can also be found at [http://infoserve.nmt.edu/rfunds/onr_overhead_rate_agreement.htm](http://infoserve.nmt.edu/rfunds/onr_overhead_rate_agreement.htm). Questions may be directed to the Restricted Funds Department at 835-5800.

**ANNUAL CHRISTMAS ARTS & CRAFTS SHOW:**

--Desert Willow and Mountain Springs Apartments will hold their annual Christmas Arts & Crafts show on Dec. 1 and 2, from 8 a.m. till after the performance of *A CHRISTMAS CAROL* is over. Tables are $25/day (Includes meals for 2 people, $7/extra meals)

**SIGN UP FOR BILLIARDS TOURNAMENT:**

--A sign-up sheet for the NMT qualifier to the regional ACUI 9-ball tournament is posted in the Gameroom, Fidel Center. Sponsored by Billy-Aards Club. The tournament starts on November 11; entry deadline is November 7 at 6 p.m. More information on that tournament is also available at [http://www.nmt.edu/~billiard/tournaments/index.html](http://www.nmt.edu/~billiard/tournaments/index.html), or in the Fidel game room.
INTERNATIONAL FLAGS:

--The international flags flying in front of Fidel Center represent various countries whose students attend New Mexico Tech. Flags flying from Oct. 23 through Nov. 5 represent Peru, Philippines, Poland, Russia, Saudi Arabia, and Senegal.

--The United States and New Mexico flags fly daily in front of Brown Hall.

PAYDIRT DEADLINES:

- Oct. 22 for Oct. 27 issue
- Oct. 31, for Nov. 7 issue
- Nov. 13 for Nov. 21 issue
- Nov. 27 for Dec. 4 issue

REGISTRAR'S OFFICE (FIDEL SECOND FLOOR:)

Important Academic Dates:

Tuesday, Oct. 31: **Grade Option Deadline** Last day to choose audit, S/U, or withdrawal with a W on your transcript

Nov. 23 and 24: **Thanksgiving break**


Saturday, Dec. 9: **Finals begin** Schedule at http://infohost.nmt.edu/mainpage/registration/finals2006.pdf

Thurs., Dec. 14: **Last day of finals**

Friday, Dec. 15: **End of Semester**: Residence Halls close

Tuesday, Jan. 2: **Tech offices re-open**: 8 a.m.

Monday, Jan. 15: **Orientation**

Tuesday, Jan. 16: **Classes begin**

Friday, Feb. 2: **Registration Closes**: Last day to add classes. Last day to drop classes without being charged full tuition for the class and receiving a "W" on your transcript
GRADUATING SENIORS:

- If you plan to graduate in December 2006, you must file an "Intent to Graduate" form with the Registrar's Office, Fidel 2nd floor.
- Please check your name and degree on the list http://infohost.nmt.edu/mainpage/commencement/c2007/dec2006grads.pdf. This represents how your information will be printed on your diploma. If you wish to make changes, please notify the Registrar's Office.

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

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.

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