

[Note: numerous Christmas concerts coming up within the next week! See below.]

## Thursday, December 4

**Registration for Spring 2009:** Beginning today, sophomores may register online at banweb or in person at the Registrar's Office, 2nd floor of Fidel.

**Regents Meeting:** 10 a.m., 217 Brown Hall. The New Mexico Tech Board of Regents meets by telephone to consider the final budget adjustment request for the fiscal year.

**MST Independent Study:** 11 a.m., Cramer 123. Dave Million, graduate student in Master of Science for Teachers, presents his Independent Study "When will I ever use this? Using Earth Science to Teach Algebra." Public invited.

**Physics Seminar:** 4 p.m., Workman 101. Dr. Richard Sonnenfeld, associate professor of physics at Tech, speaks on "Understanding Lightning, and Charge Transport by Lightning"

**EES-Bureau- Hydrology Seminar:** 4 p.m., MSEC 101. Sam Fernald of New Mexico State Univ. speaks on "Acequia System Surface-water Ground-water Interactions."

**TARA Net:** 7 p.m., 146.680 MHz (pl 100.0). Tech Amateur Radio Association welcomes all licensed amateurs to check in. Contact Seth Price, N3MRA for more details.

**Concert Chorus:** 7:30 p.m., Macey Center. Brahms' "Alto Rhapsody" with Karen Schlue as the soloist; Brahms' "Four Songs" for women's chorus, two horns and harp; and Benjamin Britten's "Ceremony of Carols" with guest artist Lynn Gorman-Develder, harpist.

**Industrial Archeology Club Meeting:** 8 p.m., El Camino Family Restaurant  
We will be discussing possible trips for the spring semester.

**Swing Dance:** 8 - 10 p.m., SAC. 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. Sponsored by the New Mexico Tech Ballroom Dance Club.

## Friday, December 5

**Registration for Spring 2009:** Beginning today, freshmen may register online at banweb or in person at the Registrar's Office, 2nd floor of Fidel.

**NRAO Colloquium:** 11 a.m., AOC Auditorium. John Stocke of the University of Colorado speaks on "Enriching the Universe: Do Starburst Winds Escape to the IGM."

**WRC Brownbag Series:** noon, Fidel Quiet Lounge. Topic: "The Sexy Side of Tech: Varieties of Genders and Sexualities." Dress as your preferred gender and find out how useless and even harmful stereotyping can be. Sponsored by WRC (Women's Resource Center). Open to everyone.

**Chemistry Seminar:** noon, MSEC 103. NMT Senior thesis talks.

**Storm Chase/Meteorology Club Meeting:** noon, Fidel Commons (near Fire and Ice). We will start planning the storm chase in May. Please contact Seth Price, sprice@nmt.edu, for further details.

**Math Seminar:** 4 p.m., Weir 102. Brian Borchers speaks on "Calibration of Production Rates in Cosmogenic Nuclide Dating."

**Madrigal Feast:** Macey Center. (Open to NMT students.) A whole new look to Madrigal Feast! Special guests Clan Tynker, juggling and magic troupe. Madrigal singing, dancing, and fencing demonstrations. Brass ensemble. <http://www.nmt.edu/mainpage/pas/madrigal.html>

**Black Light Pool:** 7 to 11 p.m., Game Room, Fidel Center.

## **Saturday, December 6**

**Madrigal Feast:** Macey Center. A whole new look to Madrigal Feast! Special guests Clan Tynker, juggling and magic troupe. Madrigal singing, dancing, and fencing demonstrations. Brass ensemble. For Tech Club/ Club Macey, a social club for ages 21 and over. Members, \$25. Grad students, \$10. Non-members, \$30. <http://www.nmt.edu/mainpage/pas/madrigal.html>

## **Sunday, December 7**

**Concert Chorus:** 3 p.m., Macey Center. Brahms' "Alto Rhapsody" with Karen Schlue as the soloist; Brahms' "Four Songs" for women's chorus, two horns and harp; and Benjamin Britten's "Ceremony of Carols" with guest artist Lynn Gorman-Develder, harpist.

## Monday, December 8

**GSA Meeting:** 12:15 p.m., Tripp Room, Skeen Library. The Graduate Student Association represents graduate student interests on campus. Please attend with your questions or concerns about graduate student issues. Please talk with your department about becoming an official representative. Lunch provided.

**Management Department Project Presentation:** 3 p.m., Cramer 123. Susan R. Murphy presents her project "A Blueprint for Manufacturing Process Transfers in Industrial Corporations". Her project will be using EaglePicher Medical Power as a case study.

**Air Rifle Practice:** 5:30 - 7 p.m., Gym Basement. Air rifles, pellets and targets will be provided. Contact Seth Price for more details.

**Tech Orchestra:** 7:30 p.m., Macey Center. Music of Tchaikovsky, Stravinsky, Gluck/Kreisler, Cimarosa and Dawn Chambers.

## Tuesday, December 9

**Master's Thesis Defense:** 2 p.m., Bureau of Geology Conference Room. Samuel Nunoo presents his work on "Geotechnical Evaluation of Questa Mine Material, Taos County, New Mexico." All are invited to attend.

**Management Seminar:** 2:30 p.m., Speare 102. Hidetaro Ito, graduate student in management presents his Independent Study titled, "The Role of R and D Expenditure on Manufacturing Industries."

**Management Department Project Presentation:** 3:30 p.m., Cramer 123. Dan Kostenick presents his project "The Perfect Tool Install Design in Rio Rancho, N.M." His project is a modeling discussion about the pursuit of optimizing the business process of what it takes to generate the perfect construction design of several semiconductor tools in a large scale construction ramp, performed in an existing state of the art 300mm wafer factory.

**Advanced Python Applications:** 4 p.m., Speare 116. Open discussion of Python programming tools and methods. Free.

**Programming with Python:** 5:30 p.m., MSEC 187. Introduction to programming in the Python language. Free class. Today: The Tkinter graphical user interface, part II

**APAS Meeting:** 7 p.m., Tripp Room, Skeen Library. APAS, the Animal

Protective Association of Socorro, welcomes everyone with a concern and compassion for the welfare of animals. <http://www.sdc.org/~apas/>

## Wednesday, December 10

**60th Anniversary of the Universal Declaration of Human Rights:** 1 to 5 p.m., Tripp Room, Skeen Library. Women's Resource Center presents "Human Rights are Women's Rights: Celebrating 60 Years of the Universal Declaration of Human Rights." For more information visit [www.nmt.edu/~women](http://www.nmt.edu/~women). Free and open to the public.

**Posters of Socorro Canyon Fault:** 1 - 3:50 p.m., MSEC 209. EARTH 325 invites the campus to join them for a view across the Socorro Canyon Fault. This semester, the class analyzed the fault, using a variety of geophysical techniques.

**Master's Thesis Defense:** 3 p.m., MSEC 103. Reginald Boryor, graduate student in Mineral Engineering, defends his thesis "Ore Resource Estimation and Classification of Pepe West Deposit."

**Management Department Project Presentation:** 2:30 p.m., Cramer 127. Tony Gardner presents his project "Best Practices for Implementing the Lean Manufacturing Approach to Maintenance at Intel." The objective of this project is to implement lean manufacturing approaches into the maintenance practices at Intel and define some best practices for proliferation into other functional areas.

**Programming with Python:** 4 p.m., Speare 116. Introduction to programming in the Python language. Free class. Today: The Tkinter graphical user interface, part II

**Advanced Python Applications:** 5:30-6:20 p.m., Speare 116. Open discussion of Python programming tools and methods. Free.

**Chamber Chorus and Tech Gleek Lub:** 7:30 p.m., Macey Recital Hall. Music by Durufle', Brahms and various Renaissance composers. Geek Lub will do lighthearted fare. FREE.

## Thursday, December 11

**Management Student Presentations:** 9:30 - 11 a.m., Speare 102. The Department of Management invites all interested students and faculty to the IT Senior Secure Design student presentations: "GIS Web Application for ILEA" - Mike Overton. "Log Management Solutions for the UNM ITS" - Jerrod

Mirabal. "IT Security Assessment of the NMT Library" - Pooja Gotimukla.  
"Network Vulnerability of the Socorro Consolidated School District" - Aaron Hite.  
"Design of a Documentation and Form Database for First State Bank" - Johnathan Ammons.

**Master's Thesis Defense:** 1 p.m., AOC 317. Jared Crossley defends "Crab Pulsar Giant Radio Pulses: An Investigation of Microsecond-Scale Structure and Dispersion Characteristics"

**Master's Thesis Defense:** 4 p.m., Jones Annex, room 101. Bahareh Ghazvinian will present her work on "Soil Stabilization and Erosion Control of Slopes using Cement Kiln Dust." All are invited to attend.

**EES-Bureau Seminar:** 4 p.m., MSEC 101. Nigel Blamey of New Mexico Tech speaks on "Quantitative Fluorescence Lifetime Analysis of Hydrocarbon-bearing Fluid Inclusions: A Paragenetic Study."

**TARA Net:** 7 p.m., 146.680 MHz (pl 100.0). Tech Amateur Radio Association welcomes all licensed amateurs to check in. Contact Seth Price, N3MRA for more details.

**Swing Dance:** 8 - 10 p.m., SAC. 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. Sponsored by the New Mexico Tech Ballroom Dance Club.

## Friday, December 12

### Last Day of Classes

**Employee Appreciation Day:** Tech Bookstore. Tech employees receive 20 percent discount on all purchases except textbooks, software and sundries (candy, soda, beauty aids, etc.)

**NRAO Colloquium:** 11 a.m., AOC. John Stocke, University of Colorado, speaks.

**Black Light Pool:** all night long, Game Room, Fidel Center.

## Saturday, December 13

**Finals begin:** <http://www.nmt.edu/mainpage/registration/2008fallfinals.pdf>

**Holiday Celebration, El Camino Real International Heritage Center:** 11

a.m. - 3 p.m., 30 miles south of Socorro on I-25. On-going activities include ornament decoration and a visit from Santa. The event will also feature a sneak preview of the Merry-Achi Christmas show, which will be presented at Macey Center this evening. For details and costs, see <http://www.caminorealheritage.org/>

**TCCM:** 5 - 7:30 p.m., Macey Center. No cover for members; \$5 non-members. TCCM is a social club for those 21 and over.

**Merry-Achi Christmas:** 7 p.m., Macey Center. Christmas with a Socorro flavor! Les Torres presents "Merry-Achi Christmas," featuring mariachi and folklorico groups, rising star singers. \$16/adults; \$14/seniors; \$12/youth.

## **Sunday, December 14**

**AAUW Tour of Homes:** 2 - 5 p.m. Enjoy the house tour, "Vistas de Navidad." Benefits scholarships for young women at Tech and Socorro High. <http://www.nmt.edu/mainpage/events/housetour.html>

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## **SCOPE Notices**

### **NEWS:**

--Dr. Scott Teare Named SPIE Senior Member,  
<http://www.nmt.edu/mainpage/news/2008/1dec01.html>

--Johnson's Volcano Research Featured in Nature,  
<http://www.nmt.edu/mainpage/news/2008/25nov03.html>

--Newly Christened Asteroid Named Etscorn,  
<http://www.nmt.edu/mainpage/news/2008/25nov02.html>

--Abbou Oucherif Wins Top Honor at National Conference,  
<http://www.nmt.edu/mainpage/news/2008/25nov01.html>

### **AAUW SCHOLARSHIP:**

--The Socorro Branch of the American Association of University Women offers a \$500 scholarship to an undergraduate woman in any major who is continuing as a full-time student at Tech in the Fall semester of 2009. Applicants must have at least a 3.0 GPA and must have completed at least

28 hours. Applications are available at the Financial Aid Office in Fidel Center. The entry deadline is February 13, 2009. An AAUW committee will choose the recipient from the responses given on the application form.

## **SERVICE CENTER PROCEDURES:**

--Service Centers procedures have been revised. The Cost Accounting office is available to discuss the issues outside of the workshops offered on the subject. For information on the subject or help with your service center, please contact the Cost Accounting Office. The current Service Center Procedure Manual can be found on line [http://infoserve/bus/pdf/NMT-SC\\_Manual.pdf](http://infoserve/bus/pdf/NMT-SC_Manual.pdf)

## **CATALOG ADDENDUM:**

--The Registrar's Office has provided an addendum to the current catalog, listing changes in the departments of Biology, EES, Education, Humanities, Mathematics, Psychology, Civil Engr., Computer Science and Engr., Electrical Engr., Environmental Engr., Materials and Metallurgical Engr., Mechanical Engr. (including Aerospace, Biomedical, and Explosives), and Mineral Engr. Faculty and students are invited to peruse the new catalog material and provide comments to the Registrar's Office.  
<http://www.nmt.edu/mainpage/registration/07-09.pdf>

## **HOUSE FOR SALE:**

--1224 Apache Drive, on Faculty Hill, is for sale. Please call Campbell M. Wade at 835-3452.

## **FOURTH ANNUAL GINGERBREAD HOUSE CONTEST:**

--Bring your entry to Fidel Center on December 15th by 6:30 p.m. No entry fee! Win great prizes in 3 age categories: 12 and under; 13 - 17; and 18 and over.

### **Rules**

- Any architectural structure - real or imaginary is eligible for entry (i.e. house, train station, bridge, ship, lighthouse, spaceship).

- Major components (such as walls and roofs) constructed of gingerbread (not graham crackers, cookies, etc., with the exception of the category for children 12 and under).
  - All parts must be edible. For example, no wire support, wrapped candies must be unwrapped; contestants may not use lollipops with paper or plastic stems etc.
  - You may add electric lighting to your entry.
  - Entry must have been constructed in 2008.
  - Entries will be judged on originality, overall appearance, choice and use of materials and difficulty of design.
  - Entry, no higher than 26" H. must be attached to a plywood base no larger than 18"x24". Base surface (but not the sides) must be concealed with an edible product.
  - Limit of one prize per contestant.
- All entries must be delivered to Fidel Center between 1 pm and 6:30 pm on December 15th ONLY. Judging will take place on Tuesday, December 17th. The entries will be on display at Fidel Center from December 15 — 19. Entries must be picked up on December 20 by 3 pm. Any entry not picked up will be donated for distribution by The StoreHouse to area families. Entries cannot be sold or raffled except for an approved charity.

## **SoLLVE VAN HAS OPENINGS:**

-SoLLVE your commuting problems. SoLLVE has openings for riders traveling between Los Lunas-Belen and Socorro. Contact mce at [kestrel.nmt.edu](mailto:kestrel.nmt.edu) for more information.

## **FLAGS IN FRONT OF FIDEL:**

--The flags in front of Fidel Center represent countries which have students attending New Mexico Tech. The U.S. and state flags fly in front of Brown Hall. Dec. 1 - Dec. 14: Saudi Arabia, Senegal, Singapore, Slovakia, S. Korea, and Spain.

## **FACILITIES MANAGEMENT CONSTRUCTION PROJECTS:**

- **Chiller water system upgrade:** trenching continues on street between Jones Annex and NRAO Domenici Building.
- **Fidel Center**, landscaping on south and east sides; completion of third floor, in progress
- **Kelly Petroleum Building**, construction in progress; south entrance closed.

- **La Raj Patio**, re-construction in progress, to be completed by Spring 2009
- **Jones Hall Reconstruction**, in progress.

## **REGISTRAR'S OFFICE:**

--If you plan to graduate in December 2008, your name and degree should appear on the list at <http://www.nmt.edu/mainpage/commencement/c2009/2008decgrads.pdf>. This is how your information will appear on your diploma. If you wish something changed, see the Registrar's Office.

--If you are not on the list and wish to be, see the Registrar's Office.

## **Important Academic Dates:**

Dec. 1 - 5: **Registration for Spring 2009:** Monday, Graduate students and Tech Scholars; Tuesday, seniors; Wednesday, juniors; Thursday, sophomores; Friday, freshmen and special students. May register online at Banweb or in person at the Registrar's Office, 2nd floor of Fidel.

Friday, Dec. 12: **Last day of classes**

Saturday, Dec. 13: **Finals begin.** See schedule at <http://www.nmt.edu/mainpage/registration/2008fallfinals.pdf>

Thursday, Dec. 18: **Finals end**

Monday, Jan. 19: **Registration and Validation**

Tuesday, Jan. 20: **Classes begin**

Friday, Feb. 6: **Registration closes**

Weds., March 4: **Midsemester**

March 9 - 13: **Spring Break**

Friday, April 10: **Academic and Staff Holiday**

Friday, May 8: **Last day of classes**

Saturday, May 9: **Finals begin**

Thursday, May 14: **Finals end**

Friday, May 15: **End of semester**

Saturday, May 16: **Commencement**

--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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***SCOPE is a twice-weekly newsletter for the New Mexico Tech community, provided as a service by the Public Information Office.*** SCOPE is generally emailed on Mondays and Thursdays during academic semesters. There is no specific deadline. Events are entered on a rolling basis as they come in.