

to the faculty and staff of Mississippi State University

MSU web site provides 'live' look at weather

For Mississippians with computers who want to quickly locate the most up-to-date weather images when tornadoes or ice storms threaten, Mississippi State now offers a handy Internet bookmark.

A website maintained by the Department of Geosciences provides "real-time" radar images of Magnolia State weather activity. The site is located at <www.msstate.edu/dept/geosciences/radar/>.

"We believe we are the only university in the nation with a live-radar system on the Internet," said Patrick L. Francis, coordinator of the MSU Climatology Laboratory. "Our site also provides the only real-time weather radar images exclusively of Mississippi."

Francis said department computers receive data from NEXRAD radar sites in

Jackson, Columbus Air Force Base, and Memphis, Tenn. The data is used to update the MSU map every 60 seconds, unlike the Weather Channel and other systems that update at 15-minute intervals.

"After testing our system for a while longer, we plan to go to a 15-second update," Francis said.

The MSU radar site was established in October to provide the latest weather information for faculty and students who track and record weather data during weather emergencies.

When word of the "fresh" weather images spread, the site soon was receiving

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Faculty award nominations open

Nominations for the 35th Faculty Recognition Awards are due by Feb. 1.

Awards traditionally are presented in the following categories: Teaching Awards--Graduate Level, Upper Level and Lower Level; Research Award; and Service Award.

Each recipient will receive a com-

memorative plaque and monetary award at the Faculty Recognition Program on May 4.

Nominations and all supporting data must be submitted to Libba Andrews, associate director of the sponsoring Alumni Association.

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Health center nurses earn certification

All eight full-time nurses at the Longest Student Health Center now are nationally board certified through a professional organization.

The registered nurses earned certification by passing the college health nurse examination. The exam is administered by the American Nurses Credentialing Center, under the authority of the American Nurses Association.

"These nurses have distinguished themselves in the profession by attaining a career credential that is a validation of their work," said Ella M. Frese, the center's nurse administrator. "The health center staff is very proud to have such a qualified nursing staff."

She added, "Certification tells other



Board certified registered nurse Sandra Patterson checks the pulse of student LeeAnn Smith.

health professionals and organizations that we are working to provide the best care possible for our patients."

Because nurses must become re-

certified every five years, they must acquire continuing education credit. As part of the process, the health center

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Daniewicz wins research award

A member of the mechanical engineering faculty is being honored as an outstanding international research scientist.

Associate professor Steven R. Daniewicz is receiving the American Society for Testing and Materials' 1999 Keith J. Miller Young Investigator Award.

ASTM is a 101-year-old organization dedicated to developing standard test methods and other guidelines for metals, paints, plastics, and other products. Its 32,000 members come from more than 100 countries and include individuals from industry, government and education.

Miller, a British scientist and publisher, presents the honor each year to promising ASTM members who are beginning their professional careers. To expand global perspectives in their research fields, Miller award winners also receive funding to attend an international conference of their choice.

Daniewicz, an MSU faculty member



Daniewicz

since 1994, is a specialist in stress analysis, with emphasis on metal fatigue in aircraft. He has conducted research projects for NASA and the U.S. Air Force.

He received a bachelor's degree from Arizona State University and master's and doctoral degrees from Ohio State.

Photographs on exhibit through Jan. 29

Selected black-and-white works by Southwestern photographer Kent N. Bowser are featured through the end of the month in a Mississippi State exhibition.

The nearly 100-piece collection is available for viewing through Jan. 29 in the School of Architecture Gallery (Room 221) of Giles Hall.

Gallery hours are Monday-Thursday, 8 a.m.-10 p.m.; Friday, until 5 p.m.

Bowser's images capture sites ranging from Ohio Indian mounds to Scottish megaliths of the Orkney Islands. Also included are a variety of landscapes and architectural sites from the Southwest and Mexico.

Based in Santa Fe, N.M., Bowser is a freelancer whose specialty is archaeological documentation. The Ohio State graduate has taught at a number of universities, including Denison and New Mexico at Los Alamos, as well as at Santa Fe Community College. He regularly conducts photography workshops throughout the Southwest.

Special weekend viewing of the Bowser

collection may be arranged by telephoning 325-2204.

In February, the architecture gallery will display the works of 10 contemporary Italian architects.

For more information on all gallery exhibitions, telephone John Miller at 325-2523.

Sponsored Programs' workshop scheduled

The second workshop of the National Council of University Research Administrators Live Satellite Broadcast Series is scheduled for Jan. 25.

"The Ins and Outs of Contract Language" will be held 10 a.m.-2 p.m. in the Tait Butler Room of the Wise Center. Box lunches will be provided.

All faculty, staff and administrators involved in managing sponsored projects are urged to attend the seminar.

Registration is required and is provided online through the MSU Sponsored Programs home page <www.msstate.edu/dept/SPA/>.

For more information, telephone SPA at 325-7404.

WITS to help computer users

Information Technology Services is hosting a semester-long Weekly Information Technology series—WITS—for faculty, staff and students who need computer-related information.

WITS instructors are ITS computing consultants.

Topics for January and February include:

- Connecting to the Internet, Jan. 14
- E-mail with Pine: the Basics, Jan. 18
- Using Netscape Messenger or Outlook Express to access MSU e-mail, Jan. 25
- MSU licensed software, Feb. 1
- Basics of File Transfer Protocol (FTP), Feb. 8
- Find It on the Web, Feb. 15
- Top 10 Troubleshooting Macintosh Tips, Feb. 22
- Top 10 Troubleshooting Windows/PC Tips, Feb. 29

All sessions are free and held noon-12:50 p.m. in 301-302 Colvard Union, except for the Feb. 8 session which will be held in the union small auditorium. No registration is required. In addition, all sessions will be broadcast over the Internet.

For more information, access the ITS web page at <www.its.msstate.edu/us/training/>.

Memo is published for the faculty and staff of Mississippi State University by the Office of University Relations. It is published weekly during the fall and spring semesters and twice a month during the summer. It is also available electronically through the World Wide Web at <msuinfo.ur.msstate.edu/msu_memo/>. Editorial material should be sent to Kay Fike Jones, Mail Stop 9512, or via Internet to jonesk@ur.msstate.edu.

Editor—Kay Fike Jones

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Classical guitarists part of Guest Artist Series

A classical guitarist opens MSU's Guest Artist Series Jan 18.

Tupelo-native Michael Boyd performs in the Bettersworth Auditorium of Giles Hall at 7:30 p.m. Available at the door, general admission tickets are \$5; \$3 for staff and students.

The program is the first of several guest recitals planned this semester by the Music Education Department.

Boyd's solo presentation will feature selections by a variety of 19th- and 20th-century composers, including Fernando Sor, Joaquin Turina, Manuel de Falla, and Isaac Albeniz. He also will perform "Andecy" by American composer Andrew York and "Verano Porteno," a composition by Argentine composer Astor Piazzolla.

Boyd is a member of the Mississippi Guitar Quartet, formed in 1998 with John DeChiaro, Mitch Brantley and Michael Yates. The group recently was named to the Mississippi Arts Commission touring Artist and Education Roster.

At 2 p.m. the following day [Jan. 19], the quartet will give a free public concert in the Bettersworth Auditorium.

Boyd received bachelor's and master's degrees in music education from the University of Southern Mississippi. At USM, he was the first student awarded the Elmo and Mary Glenn Harrison Guitar Scholarship. He also held the Earl Marsh Scholarship for Music Performance.

In 1997, Boyd garnered top honors in the Music Teachers National Association's regional convention in Tallahassee, Fla. He continued studies with master classes under Carlos Barbosa-Lima, Marc Regnier, Randy Pile, Pat Kerber, and the Los Angeles Guitar Quartet.

Boyd maintains an active performing schedule in the region while teaching guitar at a number of Mississippi institutions, including Southwest Mississippi Community College, Jones County Junior College and Belhaven College.

He also is an adjunct professor at USM, where he served as assistant director of the Summer Guitar Institute in 1998 and 1999.

Boyd is featured as concert master on the Southern Arts Guitar Consort record-

ing, "Reflections." He also was included in the debut recording of Samuel Adler's oratorio "Choose Life" and was involved in the premiere of the same work at Lincoln Center's Avery Fischer Hall. His solo recording, "Recuerdos de la Guitar," is available locally through Bebob Record Stores, as well as through

Amazon.com and other online music outlets.

Future events in the 1999-2000 Guest Artist Series include saxophonist Paul Bro on March 28 and ragtime pianist Jack Oliva on May 1. Oliva is a former MSU music education department head.

Research benefits farmers, ducks

While some practices that protect the environment and benefit wildlife don't yield economic benefits, a Mississippi State research team is finding that what's good for ducks also can boost rice farmers' profits.

Beginning in the winter of 1995-1996, scientists at the Forest and Wildlife Research Center studied 72 Mississippi rice fields covering more than 3,000 acres in four Delta rice-producing counties: Bolivar, Leflore, Sunflower, and Washington. In particular, they looked at the impact of rebuilding levees and flooding rice fields following the fall harvest.

Called winter flooding, the practice currently is used only on about 10 percent of the more than two million acres of rice land in the Delta region of Arkansas, Missouri, Mississippi, and Louisiana. MSU wildlife and fisheries professor Rick Kaminski said the practice offers benefits for farmers, wildlife and the environment.

"We knew the winter flooding of rice fields has tremendous potential for providing wetland habitat for ducks and

other waterfowl," he said. "What we needed to determine was whether the practice might positively impact the environment and the management of the land for rice production."

The four-year research project was conducted by then-doctoral candidate and Ducks Unlimited regional biologist Scott Manley under the direction of Kaminski and associate professor of forestry Stephen Schoenholtz. Manley, of Stuttgart, Ark., graduated in December. Kaminski said rice producers at several Delta locations allowed the scientists to use their fields for the research.

MSU scientists found that in fields where soil was disked after harvest and rainfall was allowed to drain freely, an average of 1,000 pounds of soil per acre was lost during the winter. In fields where rice stubble was left undisturbed after harvest and water was impounded, an average of only 31 pounds of soil was eroded.

"The research shows that the reduced

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Officials with Alcorn State University and MSU met recently to discuss certification courses leading to vocational licensure. Offered jointly by the two institutions, the distance learning courses are available at locations around the state through advanced telecommunications technology. Discussing registration procedures are (l-r) William Martin of the state Department of Vocational Education; Dr. Anthony Olinzock of MSU's Technology and Education Department; Dr. Clayborne Taylor, interim dean of continuing education; and Dr. Napoleon Moses of Alcorn State.

MSTV schedule



The latest schedule for MSTV, cable channel 30, is as follows:

Jan. 17: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. MSU Basketball with Rick Stansbury, 7 p.m. MSU Basketball Game Replay [vs. Auburn], 8:45 p.m. Bullyboard with Bulldog Weather, 9 p.m. The Learning Channel.

Jan. 18: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. MSU Basketball with Rick Stansbury, 7 p.m. MSU Basketball Game Replay [vs. Auburn], 8:45 p.m. Bullyboard with Bulldog Weather, 9 p.m. The Learning Channel.

Jan. 19: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. TLC.

Jan. 20: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. MSU Basketball with Rick Stansbury, 7 p.m. TLC.

Jan. 21 and 22: All day, TLC.

Jan. 23: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. MSU Basketball with Rick Stansbury, 7 p.m. TLC.

Jan. 24: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. MSU Basketball with Rick Stansbury, 7 p.m. MSU Basketball Game Replay [vs. Georgia], 8:45 p.m. Bullyboard with Bulldog Weather, 9 p.m. The Learning Channel.

Jan. 25: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. MSU Basketball with Rick Stansbury, 7 p.m. MSU Basketball Game Replay [vs. Auburn], 8:45 p.m. Bullyboard with Bulldog Weather, 9 p.m. The Learning Channel.

Jan. 26: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. TLC.

Jan. 27: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. MSU Basketball with Rick Stansbury, 7 p.m. TLC.

Jan. 28 and 29: All day, TLC.

Jan. 30: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. MSU Basketball with Rick Stansbury, 7 p.m. TLC.

Jan. 31: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. MSU

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DataBasics

By Kerry Smith
MSU Libraries

Did you know that Mitchell Memorial Library's classic Institute for Scientific Information (ISI) citation indexes are now available online via the library's web site?

Both ISI databases index every article—including letters, reviews, corrections, and editorial material—in every publication covered. The databases are very useful as conventional author and subject indexes, but they also provide broader options: searching by cited author or cited paper, searching the author-supplied abstracts (for records that provide them), and displaying an article's bibliography, as well as searching by the program references.

The Science Citation Index (SCI) covers approximately 3,500 of the world's leading scientific and technical journals in more than 150 disciplines, with more than 700,000 new items indexed each year.

The Social Sciences Citation Index (SSCI) covers more than 1,700 of the world's leading social sciences journals spanning 60 disciplines, as well as selected items from over 5,600 science journals related to the social sciences. The SSCI indexes more than 125,000 new items each year.

Access to these two databases requires a one-time download and installation of a small file that enables a link between the user's computer and the library's CD-ROM server. Complete setup instructions are provided online. Users must be running a recent release of Internet Explorer or Netscape Navigator (at least 3.0).

Assistance in using these databases for research is available from the library's Reference Department at 325-7667 or reference@library.msstate.edu. An additional tool related to the ISI databases, Journal Citation Reports, also is available online and utilizes the same linking software as SCI and SSCI.

Individuals affiliated with Mississippi State can access these databases, along with many others, from Mitchell Memorial Library's web site at nt.library.msstate.edu. Remote users will be validated online. Access difficulties should be reported to the MSU Libraries Systems Department at 325-2842, or by e-mail at systems@library.msstate.edu.

Book details growing of kenaf fiber crop

Kenaf is a tall-growing cousin of both cotton and okra used for centuries overseas to produce paper, ropes and other products.

In a recently published book, Mississippi State scientists provide a detailed look at its potential as the South's newest fiber crop.

"Kenaf Properties, Processing and Products" is co-edited by professors Terry Sellers Jr., and Nancy Reichert. Published by the Mississippi Agricultural and Forestry Experiment Station, the 535-page text covers all aspects of a crop that is ancient in Africa and Asia, but introduced to the United States in the 1930s as a substitute for hemp and jute.

Textiles, pulp and paper, animal bedding, potting media, and oil absorp-

tion and related products used to clean the environment are among derivatives possible from kenaf's woody outer stalk and pulp-like core.

"Research at Mississippi State has shown that kenaf can be grown in high yields, delivered on a year-round basis and processed into a variety of environmentally friendly consumer products," said MAFES assistant director Marty Fuller.

The book's 40 chapters were written by researchers at MSU—Sellers and Reichert, among them—and other universities, the U.S. Department of Agriculture, and at such diverse industries as the Temple-Inland Forest Products Corp. D.B.M.

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Employment Opportunities

*The following vacancies are subject to change on a daily basis.
Mississippi State University is an Equal
Opportunity/Affirmative Action Employer.*

www.msstate.edu/dept/business_affairs/hrm/employment/postings.html

Executive, Administrative and Managerial

- Curriculum and Instruction, Department Head/Professor
- Dining Services, Director
- Mathematics and Statistics, Department Head/Professor
- Music Education, Department Head, Associate/Professor (Search Extended)
- Office of the Provost, Dean/Director/Professor - College of Forest Resources and Forest and Wildlife Res. Ctr.
- Registrars Office, University Registrar
- School of Accountancy, Director/Professor
- Wildlife and Fisheries, Department Head
- Meridian Campus, Associate Dean/Assistant/Associate/Professor
- Meridian Campus, Division of Arts and Sciences Chair/Associate Professor

Faculty

- Aerospace Engineering, Assistant/Associate Professor (2 positions)
- Aerospace Engineering, Lecturer (Pool)
- Agricultural Economics, Assistant Professor/Assistant Economist
- Agricultural Economics, Assistant Specialist/Assistant Professor
- Agricultural Economics, Assistant Specialist
- Agricultural Information Science and Education, Assistant/Associate Professor
- Animal and Dairy Sciences, Equine Science (2 positions)
- Animal and Dairy Sciences, Assistant/Associate Specialist
- Art, Assistant/Associate Professor (Foundation)
- Art, Assistant/Associate Professor (Graphic Design)
- Biological Sciences, Assistant Professor/Microbial Geneticist

- Biological Sciences, Assistant Professor/Molecular Evolutionist
- Biological Sciences, Assistant Professor/Plant Ecologist
- Computer Science, Assistant/Associate Professor (3 positions)
- Computer Science, Lecturer Pool (Part Time, Time Limited)
- Counselor Ed. and Ed. Psychology/RRTC, Assistant/Associate Professor and RRTC Research Director
- Counselor Education, Assistant/Associate Professor
- Diagnostic Instrumentation and Analysis Laboratory (DIAL), Research Engineer II (2 positions)
- Electrical and Computer Engineering, Assistant/Associate/Professor (5 positions)
- Electrical and Computer Engineering, Lecturers (3 positions, Part-time)
- Electrical and Computer Engineering, Professor/Robert Guyton Chair of Teaching Excellence
- Electrical and Computer Engineering, Visiting Instructors (3 positions)
- Engineering - Dean of, Technical Communication Coordinator and Instructor
- Engineering - Dean of, Technical Writing Instructor (2 positions)
- Engineering Research Center (ERC), Research Engineer (2 positions)
- English, Assistant Professor (2 positions)
- Finance and Economics, Assistant Professor
- Forestry, Assistant Professor/Area Specialist, Forestry Extension
- Geosciences, Instructor
- Health, P.E., Recreation and Sport, Assistant Professor (2 positions)
- History, Assistant Professor
- Human Sciences, Assistant/Associate Professor (2 positions)
- Industrial Engineering, Assistant/Associate Professor

- Library, Assistant Professor and Database Management/Authority Control Librarian
- Library, Assistant Professor and Instruction Services Librarian (2 positions)
- Library, Assistant Professor/Librarian and Information Specialist
- Library, Assistant Professor/Librarian and Information Specialist-Jackson Center
- Library, Assistant Professor/Reference Services Librarian
- Library, Assistant Professor and Serials Cataloger
- Library, Associate Professor and Reference Services Coordinator
- Library, Instructor and Cataloger
- Library, Instructor/Serials Cataloger
- MCES/Economic and Community Resource Development/Agriculture and Natural Resources, Geospatial Extension Specialist
- Management and Information Systems, Assistant/Associate/Full Professor (Search Extended)
- Math and Statistics, Associate Professor (4 positions)
- Mechanical Engineering, Assistant/Associate/Full Professor
- Music Education, Assistant/Associate Professor/Director of Choral Activities (Search Extended)
- Physics and Astronomy, Assistant/Associate Professor
- Plant and Soil Sciences, Assistant/Associate Professor (3 positions)
- Plant and Soil Sciences, Assistant/Associate Professor/Environmental Pesticide
- Plant and Soil Sciences, Assistant/Associate Specialist
- Plant and Soil Sciences, Assistant/Associate Specialist, Agronomist, Professor
- Plant and Soil Sciences, Assistant Forage Specialist/Assistant Agronomist
- Poultry Science, Research Poultry Scientist
- Psychology, Assistant Professor (3 positions)
- Psychology, Visiting Assistant Professor/Lecturer
- Social Science Research Center (SSRC), Assistant Instructor Applicant Pool
- Sociology, Anthropology and Social Work, Assistant Professor

- (4 positions)
- Technology and Education, Assistant Professor (3 positions)
- Vet Medicine, Assistant/Associate Professor Aquatic Pathobiologist
- Vet Medicine, Assistant/Associate Professor Beef Cattle Production Medicine
- Vet Medicine, Assistant/Associate Professor Diagnostic Imaging, Small and Large Animals
- Vet Medicine, Assistant/Associate Professor Fish Pathobiologist
- Vet Medicine, Assistant/Associate Professor in Small Animal Surgery (2 positions, Extended, Modified Advertisement)
- Vet Medicine, Assistant/Associate Professor of Veterinary Anesthesiology
- Vet Medicine, Branch Librarian/Assistant/Associate Professor (Modified Advertisement)
- MAFES/Central MS Research and Extension Center, Raymond, MS, Assistant Entomology Specialist/Scientist (50% Extension/50% Research)
- MAFES/Central MS Research and Extension Center, Assistant Specialist/Assistant Plant Pathologist
- MAFES/Central MS Research and Extension Center, Superintendent/Horticulturist
- MAFES/Delta Research and Extension Center, Stoneville, MS, Assistant/Associate Agronomist
- MASEP, Instructor/Assistant, Instructor Pool
- MSU-ES/Delta R&E Center, Stoneville, MS, Assistant/Associate Extension Soybean Specialist/Assistant/Associate Weed Scientist
- MSU-Meridian Campus, Business and Industry, College of, Assistant/Associate Professor of Finance
- MSU-Meridian Campus, Business and Industry, College of, Assistant/Associate Professor of Management
- Meridian Campus, Assistant/Associate Professor of Counselor Education (2 positions)
- Meridian Campus, Assistant/Associate Professor of Curriculum and Instruction
- Meridian Campus, Lecturers

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Funding Opportunities

Below are funding opportunities received from various sources such as the Grants Resource Center. Sponsored Programs Administration (SPA), 325-7404, will assist you in obtaining information and applications necessary for submission to governmental or private sources. For complete listings and other opportunities, see the Sponsored Programs World Wide Web page on the MSU server: <<http://www.msstate.edu/Dept/SPA/index.html>>.

AGENCY: U.S. Department of Agriculture; Commodity Credit Corporation

ITEM: Notice announcing the availability of funds and requesting applications for FY 2000 under the Market Access Program, which provides support to U.S. non-profit agricultural trade organizations, a non-profit state regional trade group (an association of the State Departments of Agriculture), a U.S. agricultural cooperative, a state agency, or a small-sized U.S. commercial entity (other than a cooperative or producer association), for the purpose of creating, expanding or maintaining foreign markets for U.S. agricultural commodities and products through cost-shared assistance.

ACTION: Applications are due by March 13, 2000. See also, <http://www.fas.usda.gov/cooperators.html> for electronic access to the application package, or <http://www.fas.usda.gov/mos/ues/unified.html> for electronic access the Unified Export Strategy handbook.

CONTACT: Marketing Operations Staff, 202/720-4327.

AGENCY: U.S. Department of Agriculture; Foreign Agricultural Service

ITEM: Notice announcing the availability of FY 2001 funding and requesting applications under the Foreign Market Development Cooperator Program, which provides support to non-profit U.S. agricultural trade organizations to create, expand, and maintain foreign markets for U.S. agricultural commodities and products through cost-shared assistance.

ACTION: Applications are due by March 13, 2000. See also, <http://www.fas.usda.gov/cooperators.html> for electronic access to the application package, or <http://www.fas.usda.gov/mos/ues/unified.html> for electronic access the Unified Export Strategy handbook.

CONTACT: Marketing Operations Staff, 202/720-4327.

TITLE: Research Opportunities in Space

Life Sciences: Advanced Human Support Technology

SOL: NRA-00-HEDS-01

AGENCY: National Aeronautics and Space Administration (NASA); Goddard Space Flight Center

ITEM: Notice seeking proposals for research investigations in support of Research Opportunities in Space Life Sciences, specifically under the Advanced Human Support Technology Program, in the areas of Advanced Environmental Monitoring and Control, Advanced Life Support, Space Human Factors Engineering, and Advanced Extravehicular Activity.

ACTION: Proposals are due by April 19, 2000, and the solicitation will be available by January 18, 2000. See also, <http://peer1.idi.usra.edu/> for electronic access to the solicitation.

CONTACT: Guy Fogelman, 202/358-2217. Fax: 202/358-4168. E-mail: gfogelma@mail.hq.nasa.gov.

ADDRESS: NASA/Goddard Space Flight Center, NASA Headquarters Acquisition Branch, Code 210.H, Greenbelt, MD 20771

TITLE: Terascale Computing System Date: December 28, 1999

DOC#: NSF 00-29

DIVISION: Division of Advanced Computational Infrastructure and Research; Directorate for Computer and Information Science and Engineering

ITEM: Notice requesting proposals to provide terascale computing capabilities for support of U.S. science and engineering research through the establishment of a single, new, terascale computing system in FY 2000 to enable U.S. researchers in all science and engineering disciplines to gain access to leading-edge computing capabilities.

ACTION: Proposals are due by April 3, 2000, and use of NSF FastLane for proposal submission is required. NSF will make one award in FY 2000, and eligibility will be limited to U.S. organizations with prior experience in providing leading-edge computational capability to a wide range of users, including Federally Funded Research and Development Centers. However, since open access to all users must be assured, any organizational restrictions to access will be disqualifying. See also, <http://www.nsf.gov/cgi-bin/getpub?nsf0029> for electronic access to the program announcement by clicking on the desired file format.

CONTACT: Stephen Elbert, 703/306-1963, or Richard Hirsh or Robert Borchers, at 703/306-1970. E-mail: selbert@nsf.gov, rhirsh@nsf.gov, or rborcher@nsf.gov, respectively.

AGENCY: U.S. Department of Health and Human Services; Administration for Children and Families

ITEM: Notice announcing the availability of funds and requesting competitive applications under the Office of Child Support Enforcement's Special Improvement Projects Program, which promotes the national child support mission, vision, and goals, which are that all children have parentage established, that all children in IV-D cases have financial and medical orders, and that all children in IV-D cases receive financial and medical support.

ACTION: Applications are due by March 6, 2000. See also, <http://www.acf.dhhs.gov/programs/cse/> for access to electronic information.

CONTACT: Susan Greenblatt, 202/401-4849.

TITLE: C4I Software Applications and Databases

SOL: N66001-00-R-5029

AGENCY: U.S. Department of Defense; U.S. Department of the Navy; Space and Naval Warfare Systems Center

ITEM: Notice of intent to issue a Request for Proposals (RFP) for a contract to provide computer and engineering support for Command, Control, Communications, and Intelligence (C4I) systems software applications and databases.

ACTION: The RFP is due for release on January 20, 2000. See also, <http://e-commerce.spawar.navy.mil> for access to electronic information.

CONTACT: Donald Mansfield, 619/553-9805. E-mail: mansfid@spawar.navy.mil.

ADDRESS: Bid Office, SPAWARSYSCEN, Code D21B, 53570 Silvergate Avenue, Building A33, Room 0061, San Diego, CA 92152-5112

TITLE: C4I Systems Engineering

SOL: N66001-00-R-5028

AGENCY: U.S. Department of Defense; U.S. Department of the Navy; Space and Naval Warfare Systems Center

ITEM: Notice of intent to issue a Request for Proposals (RFP) for a contract to provide systems engineering, analysis and support for Command, Control, Communications, and Intelligence (C4I) systems.

ACTION: The RFP is due for release on January 20, 2000. See also, <http://e-commerce.spawar.navy.mil> for access to electronic information.

CONTACT: Todd Mckamey, 619/553-4500. Jon Wester, 619/553-4493.

ADDRESS: Bid Office, SPAWARSYSCEN, Code D21B, 53570 Silvergate Avenue, Building A33, Room 0061, San Diego, CA 92152-5112

Jobs--continued from page 5

(Part Time, Temporary)

- Social Science Research Center, Biloxi, MS, Assistant Instructor

Other Professional

- Agricultural Communications, Chief Illustrator
- Agricultural Economics, Senior LAN Systems Analyst
- Agricultural and Biological Engineering (4 positions, Time Limited)
- Aircraft Operations, Pilot - Captain I
- Athletics, Head Women's Soccer Coach
- Biochemistry and Molecular Biology, Research Assistant I (2 positions)
- Biological Sciences, Research Assistant I (Time Limited)
- Computer Application and Services, Network Project Assistant
- Computer Application and Services, Programmer Analyst
- Computer Science, Assistant Systems and Network Manager (Part Time)
- Continuing Education, Coordinator of Environmental and Safety Programs
- Continuing Education, Coordinator of Web Based Activities
- Continuing Education, Distance Program Specialist
- Curriculum and Instruction, Research Assistant I (Time Limited 50%)
- Development, Director of Development for the College of Education
- Diagnostic Instrumentation and Analysis Laboratory (DIAL), Post-Doctoral Research Associate (Time-Limited)
- Electrical and Computer Engineering, Research Engineer/Research Engineer I
- Engineering Research Center (ERC), Accountant
- Engineering Research Center (ERC), Graphic Designer
- Engineering Research Center (ERC), Research Assistant I (4 positions)
- Engineering Research Center (ERC), Research Assistant I, II, or Senior (3 positions)
- Engineering Research Center (ERC), Research Engineer I
- Entomology and Plant Pathology, Research Assistant I (3 positions)
- Entomology and Plant Pathology, Research Assistant I (Time Limited)
- Entomology and Plant Pathology, Research Assistant II (Time Limited)
- Forestry, Research Assistant I (Time Limited, 2 positions)
- Human Sciences, Teacher, Child Development Center (2 positions)
- Information Systems, Senior Programmer Analyst
- Information Technology Services, Senior Computing Consultant (Internal Search Only Across Campus) (Modified Advertisement)
- Library, Computer Services Office Manager

- Library, Instructional Media Center Assistant
- Library, MSU Library Web Site Manager
- Mississippi State Chemical Lab, Research Assistant I
- Mississippi State University Cooperative Extension Service/Geographic Information Systems, GIS Operator
- Mississippi Writing/Thinking, Assessment Coordinator (Part Time)
- Physical Plant, Billing and Inventory Coordinator
- Plant and Soil Sciences, Research Assistant (2 positions)
- Plant and Soil Sciences, Research Assistant I (2 positions)
- Registrar, Information System Coordinator
- Rehabilitation Research and Training Center on Blindness and Low Vision, RRTC Research Director
- Social Science Research Center, Research Assistant I Applicant Pool (Time Limited)
- Systems and Networks, LAN Systems Analyst
- University Relations, Associate Director for Publications
- University Relations, News Writer
- User Services, Help Desk Consultant
- Vet Medicine, Chief Biostatistician
- Vet Medicine, Medical Technologist II
- Vet Medicine, Research Assistant I (3 positions)
- Vet Medicine, Research Assistant I/II (2 positions)
- Vet Medicine, Resident (Time Limited)
- Wildlife and Fisheries, Extension Assistant (Fisheries)
- Delta Research and Extension Center (Stoneville, MS), Extension Production Economist/Farm Management
- MAFES/Delta Research and Extension Center, Research Assistant I (2 positions)
- MAFES/Delta Research and Extension Center, Research Assistant I (Part Time, Time Limited)
- MAFES/Northeast Branch, Research Assistant II
- MAFES/Prairie Research Unit, Research

Radar--continued from page 1

several thousand visits a day. Francis said about 10,000 hits were recorded in one November day as a storm system moved across the state.

"The Web site is a good way for the general public to keep up with weather events as they happen," said assistant geosciences professor Michael E. Brown.

"However, anyone who is not trained to interpret radar weather data should also continue to rely on their local radio and TV stations for information," he added.

Assistant

- Meridian Campus, Electronic Services Librarian
- Meridian Campus, Information Systems Manager
- Meridian Campus, Manager, Continuing Education and Distance Learning (SEARCH EXTENDED)

Secretarial Pay Grades and Ranges

Secretary, Pay Grade 5, \$5.55-6.94
Administrative Secretary I, Pay Grade 6, \$5.65-7.06
Administrative Secretary II, Pay Grade 7, \$5.75-7.19
Executive Secretary, Pay Grade 8, \$6-7.50
*Pay range based on qualifications and years of experience for new employees.



For a listing of current support staff vacancies you may call "Dial-A-Job" (325-4132). The "Dial-A-Job" service is updated daily.

MSTV--continued from page 4

Basketball with Rick Stansbury, 7 p.m. TLC.

Feb. 1: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. MSU Basketball with Rick Stansbury, 7 p.m. TLC.

Feb. 2: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. TLC.

Feb. 3: 6 p.m. Bullyboard with Bulldog Weather, 6:30 p.m. MSU Basketball with Rick Stansbury, 7 p.m. TLC.

Feb. 4 and 5: All day, TLC.

Faculty--continued from page 1

To receive a nomination booklet, call or come by the Butler-Williams Alumni Center, or access the web page at <msuinfo.ur.msstate.edu/alumni/awards/faculty>.

Nominations downloaded via the Internet cannot be completed and returned by e-mail, as the nominator must sign the form. Completed packets must be returned to the alumni center.

For more information, telephone Andrews at 325-3479, or by e-mail at <landrews@alumni.msstate.edu>; or Karen Hudson, 325-2284, <khudson@alumni.msstate.edu>.



Calendar of Events

Send your calendar items to

Kay Fike Jones, 102 George Hall; Mail Stop 9512; FAX 325-7455; e-mail <jonesk@ur.msstate.edu> at least **TWO WEEKS** in advance. For updates, check <www.msstate.edu> and click on "News" for msu.NOW!

January

17

MSU vs. South Carolina, women's basketball, Humphrey Coliseum, 7 p.m.

University closed for Dr. Martin Luther King Jr. Day.

18

"E-mail with Pine," 301-301 Colvard Union, noon-12:50 p.m. 325-8800. (see story on page 2)

Guest Artist Series with classical guitarist Michael Boyd, Bettersworth Auditorium, Giles Hall, 7:30 p.m. 325-3070. (see story on page 3)

19

Hearin Biotechnology Seminar Series: Wade O. Brinker, professor of veterinary surgery, Michigan State University, "Selecting In Vivo Models for Biomedical Research," 8:30 a.m.; "The Effect of Physical Stimuli on Connective Tissues," 4 p.m. Both at Tait Butler Room, Wise Center. 325-3000.

Staff Appreciation Day organizational meeting, Lewis Sumner Suite, Memorial Hall, 10 a.m. 325-0664.

20

MSU vs. Arkansas, women's basketball, Humphrey Coliseum, 7 p.m.

21

"Culture Shock and Immigration," International Student Required Extended Orientation, Rogers Auditorium, McCool Hall, 3-5 p.m. 325-8929.

22

"Equine Focus 2000," MSU AgriCenter. Brett Scott, 325-2802.

Mississippi State University does not discriminate on the basis of race, color, religion, national origin, sex, age, disability, or veteran status.

25

"The Ins and Outs of Contract Language" workshop, Tait Butler Room, Wise Center, 10 a.m.-2 p.m. 325-7404. (see story on page 2)

Faculty Artist Series: "Duo Savage," Bettersworth Auditorium, Giles Hall, 7:30 p.m. 325-3070.

27

MSU vs. Auburn, women's basketball, Humphrey Coliseum, 7 p.m.

28

"A Healthy Student" and "Understanding Money," International Student Required Extended Orientation, Rogers Auditorium, McCool Hall, 3-5 p.m. 325-8929.

MSU vs. Southern Mississippi, men's tennis, Pitts Tennis Centre, 2 p.m.

Wind Ensemble concert, McComas Hall theater, 7:30 p.m. 325-3070.

30

MSU vs. LSU, women's basketball, Humphrey Coliseum, 2 p.m.

Nurses--continued from page 1

recently sponsored a one-day workshop on identifying and preventing health problems of college students. Participants included other college nurses in Mississippi and Alabama, along with those at local health institutions.

Frese said the nursing staff may sponsor another workshop next year.

The American Nurses Association is a full-service professional organization representing the nation's 2.6 million registered nurses through its 53 constituent state associations and 13 organizational affiliate members.

Kenaf--continued from page 4

Farms Inc., and Mississippi Valley Gas Co.

Reichert, whose areas of specialization include horticulture, biochemistry and molecular biology, said no single text previously has provided a comprehensive study of kenaf's properties and commercial applications.

"Most people do not know the potential kenaf has as a cash crop," she said. "We're hoping it will eventually be adapted for growth across the South."

Ducks--continued from page 3

erosion helps hold nutrients in the fields and improves the quality of run-off water," Manley said.

An additional benefit of winter flooding is reduced problems with winter growth of weeds and help with decomposing rice straw.

"During the winter, farmers must contend with problems such as growth of weeds and disposal of rice straw left after harvest," Manley observed. "Our research indicates that winter flooding significantly reduces rice straw and growth of cool-season grasses and weeds, which can reduce the need for herbicide treatment of weeds before spring planting."

MSU scientists estimate the combination of increased decomposition of rice straw by winter flooding, plus the inhibited growth of weeds, can save farmers up to \$22 an acre in spring field preparation costs.

And what about benefits for the ducks?

"The birds consume rice and aquatic invertebrates in flooded rice fields," Kaminski said. "Flooded fields were found to support high populations of invertebrates, like snails and earthworms, which are important foods for waterfowl and other birds."

PCSW extends deadline

The President's Commission on the Status of Women has extended its deadline for outstanding women nominations through Feb. 11.

The awards recognize accomplishments of women on campus, in the community and in the state.

The organization annually makes awards that include the Outstanding Mississippi Woman and Outstanding Community Woman. Awards also recognize those in each MSU employment category and an outstanding undergraduate and graduate student. Winners will be honored in a March 29 awards luncheon.

For more information about the Outstanding Woman's Awards, contact Ginger Cater by telephone at 325-1008 or by e-mail at <gcater@pres.msstate.edu>; or contact Shay McDonnell at 325-3359 or by e-mail at <shay@saffairs.msstate.edu>.