

THE COLLEGE OF  
*Natural & Applied Sciences*  
www.cnas.smsu.edu

**Dean**  
Larry Banks  
larrybanks@smsu.edu

**Associate Dean**  
William Cheek  
billcheek@smsu.edu

**Agriculture**  
Anson Elliott  
ansonelliott@smsu.edu

**Biology**  
Steven Jensen  
stevejensen@smsu.edu

**Chemistry**  
Tamera Jahnke  
tamerajahnke@smsu.edu

**Computer Science**  
Ivon Lowsley  
ivonlowsley@smsu.edu

**Fruit Science**  
James Moore, Jr.  
jamesmoorej@smsu.edu

**Geography,  
Geology, &  
Planning**  
James Skinner  
jamesskinner@smsu.edu

**Mathematics**  
Yungchen Cheng  
yungchencheng@smsu.edu

**Physics,  
Astronomy, &  
Material Science**  
Ryan Giedd  
ryangiedd@smsu.edu

**CNAS Centers:**

**Center for Resource Planning  
& Management**  
Diane May  
dianemay@smsu.edu

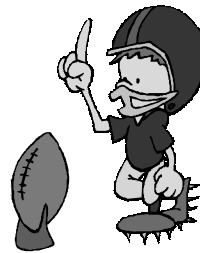
**Center for Scientific Research  
& Education**

**Center for Viticulture  
& Enology**  
Murli Dharmadhikari  
murlidharmadhikari@smsu.edu

## Mark Your Calendars!

### It's *HOMECOMING* Weekend!

October 17th through 19th



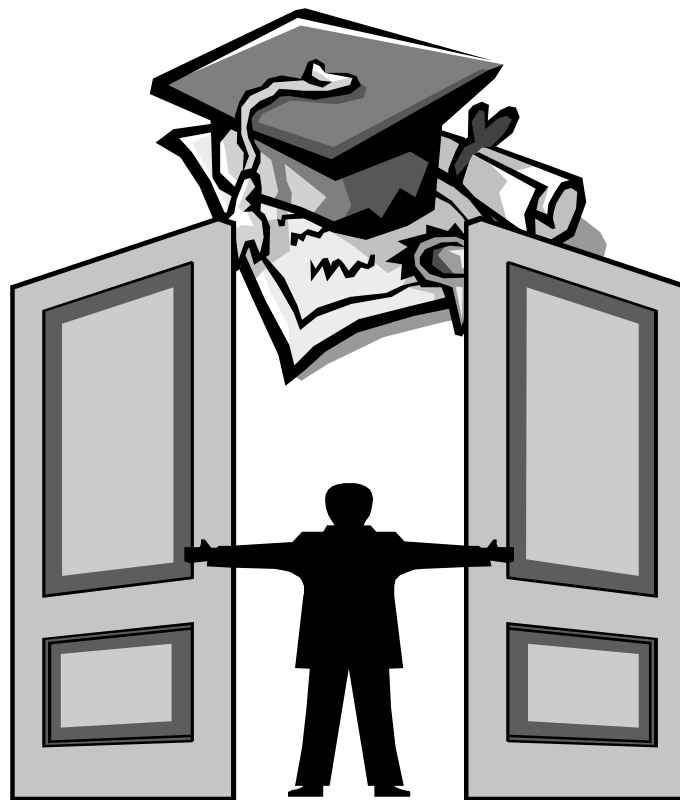
Saturday's Homecoming game beginning at 1:30 PM against Western Kentucky University is only part of the activities welcoming you back to campus for Homecoming Weekend!

**Come visit us under the CNAS tent!**



The College of Natural and Applied Sciences will have a tent at  
BearFest Village.

**Be sure to visit us!**



**As we open our doors we hope you will join us for a fun packed weekend at your alma mater!**

Starting things off on Thursday, October 17th, will be the second annual Career Fair sponsored by the College of Natural and Applied Sciences and SMS Career Services Office. A number of firms and agencies interested in hiring majors from departments within our College were here last year and we are expecting even more this year. Several of our departments have made arrangements for alumni to speak to their classes and student organizations on Friday, October 18th, the day after the career fair. Information about the career fair may be found at [www.careerservices.smsu.edu](http://www.careerservices.smsu.edu).

Would this be a way YOU could represent your employer at the career fair while attending Homecoming 2002?

Our CNAS departments are hosting open houses for current students and alumni Friday, October 18th and Saturday morning, October 19th, before things start hopping at BearFest Village.

We are planning a special Homecoming issue of *NewsWatch* during the summer which will give you our departmental website addresses so you can check out all the individual departmental activities for Homecoming.

Be sure to meet with faculty and classmates at our College tent in BearFest Village Saturday before the game. There will be free food cooked by the department heads and a chance to pick up game tickets at a discount.

**We look forward to seeing YOU for Homecoming 2002!**

## DIRECTLY FROM THE DEAN

*by Larry Banks*



Welcome to our Spring, 2002 issue of NewsWatch. As the front page says, you are all invited to join us at Homecoming this fall. We would like to see you there and, if you have not had an opportunity to visit your old campus and/or faculty mentors recently, renew acquaintances. Even if you cannot fit this particular activity into your schedule, our future plans are to host more activities of this nature so that you will have a chance to see how far we have progressed. Stay tuned for more invitations!

As I write this note, we still have no idea if the state legislature will allow us to become what, I believe, we truly are, namely Missouri State University. While our university did not go out and seek this name change this time around, the legislators from Southwest Missouri knew it was past due, and so introduced it themselves. We sincerely appreciate their understanding of how this university has grown and matured. But, whether the name change occurs or not, we know that we have arrived at a level where this name is appropriate. We are the second largest undergraduate university and the third largest graduate university in Missouri – even though we are still working to be allowed to offer our first Ph.D. degree program. The list of SMSU accomplishments goes on and on. Name change or not, we are determined to continue moving up.

In this issue, you will see that Dr. Janice Greene has agreed to take over direction of the Bull Shoals Field Station (BSFS) for the next few years. This is very good news for all of us since Janice's interest and capabilities in this area, along with her organizational skills, make her an ideal person for this position. But, I must quickly add that no one could do a better job than John Havel, the outgoing BSFS Director. The station is John's baby; it did not exist before John. He has taken it from scratch to such an outstanding research facility that this is just one more reason SMSU needs to be thought of as MSU. Thanks for a superb job, John!

Okay, you mathematicians out there, I challenge you to get with Drs. Wickham, Belshoff, and Reid as they guide up and coming mathematics majors toward challenging careers in their area. Is problem 2586, as portrayed on page 6 of this newsletter, typical of what you remember solving as a student of algebra here? Well, it might be just a bit beyond what you saw as a student. But, it was not beyond the SMSU group pictured. They not only solved this problem, and many others, but their solution to this particular problem was chosen by a respected journal of mathematics for publication. To see the details, go to the URL indicated on page 6.

While our faculty members in CNAS continue to devote themselves to good teaching above everything else, they also value research. Research is valuable in its own right since that is the way science progresses. But, it is also extremely valuable as a tool for training young scientists, especially when they get a chance to work alongside one of our great research faculty members like Dr. Lynn Robbins. Thus, you will see on page 7 that Kevin Murray's thesis, developed under Lynn's watchful eye, has received a Distinguished Master's Thesis Award. I am very proud to tell you that this is just one of many great theses that our faculty help students produce every year.

Pages 8 and 9 will give you an example of the latest crop of outstanding seniors that this college has produced, one for each of our departments. As always, it is exciting to read about each one of these young people; not only to learn about what they have done, but also to read about the great plans they have made to continue their movement toward becoming extremely productive members of our American society. On May 17, we will, as is now our annual custom, recognize these students and their parents at a brunch just prior to SMSU's spring graduation ceremonies.

I hope you enjoy reading through this newsletter, and that you'll try to make plans to join us at Homecoming this next October!

Education web sites to note:  
[www.cnas.smsu.edu/e-highschool](http://www.cnas.smsu.edu/e-highschool)  
[www.cnas.smsu.edu/st3](http://www.cnas.smsu.edu/st3)

## **DR. JANICE GREENE NAMED NEW DIRECTOR OF BULL SHOALS FIELD STATION**



Dr. Janice Greene, Associate Professor, Department of Biology, has been appointed to the position of Director of the Bull Shoals Field Station replacing Dr. John Havel. Her appointment will become effective July 1, 2002. The Bull Shoals Field Station operates in cooperation with the Center of Scientific Research and Education and reports directly to the Dean of the College of Natural and Applied Sciences.

As the Director of the Bull Shoals Field Station, Dr. Greene has accepted the responsibility of monitoring the budget and making financial decisions that insure the ongoing success of the Station. Her other administrative responsibilities include: coordinate planning with SMSU administration; maintaining close contacts with the Missouri Department of Conservation and the U.S. Army Corps of Engineers; participate in the organization of biology field stations; write grants for funding Station development and ongoing projects; coordinate schedules of users and communication with the Missouri Department of Conservation about user activities; supervise graduate assistants; encourage faculty research at the station; coordinate database and internet web site; plan summer field course programs; participate in public speaking to various groups interested in conservation issues; conduct tours for groups of interested citizens; and many other duties as they arise.

**CONGRATULATIONS Janice on your new position!**

## **SENIOR AG STUDENT GARRETT HAWKINS' VISITS TURKMENISTAN**



Pictured above: Garrett Hawkins, left, with Turkmenistan university students

Senior Garrett Hawkins, an agribusiness major from Appleton City, Missouri, who was named the recipient 2001 -2002 Glenn E Karls Senior Excellence Award for the Department of Agriculture and was selected as one of the 2001-2002 CNAS Outstanding Graduating Seniors, (see Outstanding Graduating Seniors page 8), was raised on a commercial cow/calf farm just west of Appleton City and just recently visited Turkmenistan, which is located in Central Asia, along with Dr. Randall Andreasen, an agriculture education professor. The two men went as volunteers for Winrock International to be the consultants on starting the Future Farmers of Turkmenistan (FFT) organization, which is being modeled after our National FFA Organization, formerly known as Future Farmers of America. The men worked with Turkmen students and faculty to outline the steps necessary to start an FFT organization along with motivating Turkmenistan students to become involved in the new organization. "I found the interaction with the university students to be very rewarding," stated Hawkins.

Hawkins' future plans after graduation include law school and involvement in politics, where he will lobby for agriculture. His advice to future students... "Make the most out of your college experiences. Work hard and take advantage of every opportunity."

# Bull Shoals Field Station's Weather Station Now Online!

The BSFS weather station has been operational since August 2001, and now all those data are online. Dr. Alexander Wait and graduate student Kyle Barrett (pictured) assembled the station last summer and database manager, Mike Dickerson, developed the web site. This long-term collaborative research will provide researchers, teachers, and students access to weather and climate data.



The station measures and stores a variety of weather variables which can then be used to answer ecological questions. For example, precipitation, temperature, and wind speed are useful in predicting fire danger. Data are collected once a week and then posted to our website in Excel tables as well as in graphical format. Future plans are to use telecommunications technology (not yet available at the Field Station) to allow an automatic uplink of data to the web.

The overall mission of the Southwest Missouri State University Bull Shoals Field Station is to provide a location for faculty, students, and visiting scientists to conduct research and educational programs that promote public awareness of southwest Missouri ecosystems.

The Field Station exists through a cooperative agreement between SMSU, the Missouri Department of Conservation (MDC) and the U.S. Army Corps of Engineers (Corps). The Corps owns the 5 acres of land we occupy and MDC has provided us access to 5,600 acres of land at the Drury-Mincy Conservation Area. SMSU has provided a yearly operating budget. BSFS began operations in spring 1999 and received a long-term lease in spring 2000. We are currently renovating the facility and making long-range development plans. The Field Station site has a rich history which will soon be detailed on this site.

The Bull Shoals Field Station allows excellent opportunities for student and faculty research, field courses, and public outreach. Numerous SMSU courses currently use the Field Station for field trips and we are beginning to attract users from other universities. Environmental data uploaded to our web site will support science education in area schools. Research at the Field Station provides answers to questions about organisms in their native habitats and solutions to problems resulting from the rapidly changing environment of the Ozarks region.

Faculty and Graduate Research Assistants are currently working on several cooperative research projects which will benefit multiple users. Along with developing the facility to support users, faculty and staff of the Field Station also carry out studies which increase our knowledge of the Ozarks environments, particularly the watershed of the upper White River. Such cooperative research has several benefits. First, a good foundation of knowledge about the area will make the Field Station more attractive for use by researchers and college-level instructors. This information, available through our web site, will also be available to the K-12 schools, providing an important public service. Second, a long-term program of study will allow us to monitor biodiversity and environmental change. Such baseline information is particularly important in our region, given the rapid growth in both population and the entertainment industry. Finally, coordinated database management through the Field Station web site improves communication among scientists from universities and various government agencies. Current areas of cooperative research supported by the Bull Shoals Field Station include mapping, database management, compiling literature on scientific studies in the region, describing plant and animal diversity, and environmental monitoring.

For further information, see the BSFS website: <http://www.bullshoals.smsu.edu/>



## MATHEMATICAL PROBLEM-SOLVING GROUP



For the past several years, Drs. Cameron Wickham, Richard Belshoff, and Les Reid, Professors in the Mathematics Department, have been conducting a mathematics problem-solving group. They have been meeting with a group of students once a week to try and solve problems posed in a variety of mathematics journals. When a solution is obtained, it is written up and submitted to the appropriate journal. Several students, Joey Bohanon (who was a high-school student at the time), Thomas Jang, and Charles Hendee, have had their names mentioned in the journals as having solved problems.

One of the journals they receive problems from is *Crux Mathematicorum*, a publication of the Canadian Mathematical Society. In a recent issue they were credited with solving six problems: three by individual students and three by the group with one of the group solutions (#2586) being chosen for publication. Below is a copy.

*Problem 2586 from Crux Mathematicorum: Proposed by Michael Lambrou, University of Crete, Crete, Greece. Find all (real or complex) solutions of the system*

$$3x + x^3 = y(1 + 3x^2)$$

$$3y + y^3 = z(1 + 3y^2)$$

$$3z + z^3 = w(1 + 3z^2)$$

$$3w + w^3 = x(1 + 3w^2)$$

*The URL of the group is [http://math.smsu.edu/smsu\\_psg.html](http://math.smsu.edu/smsu_psg.html)*



**KEVIN L. MURRAY RECEIVES  
*DISTINGUISHED*  
MASTER'S THESIS AWARD**



Each year the UMI Dissertation Publishing which are a division of Bell & Howell Information and Learning along with the Council of Graduate Schools regional organizations, sponsor the Distinguished Master's Thesis Awards. This year Kevin L. Murray, along with his advisor, Dr. Lynn Robbins, Department of Biology, was invited to Chicago, Illinois, to be presented with the 2002 Distinguished Master's Thesis Award at the Awards Recognition Program. Kevin's thesis, titled, *The Use of Ultrasonic Detectors in the Study of Bat Communities*, was one of the two selections made for this prestigious award. For his thesis, Kevin conducted two field studies to evaluate the effectiveness of Anabat II ultrasonic detectors as a tool in the study of bat communities. In the first field study, a survey of bat communities in Missouri during the summer of 1998 using mist nets and Anabat were completed. To test the relative merits of these two survey methods, a variety of habitats including ponds, streams, and forest corridors were sampled using Anabat and mist nets in a paired design. This allowed for the simultaneous sampling of bat community activity necessary for direct comparison.

Levels of intraspecific variation in search phase calls of seven species of vespertilionid bats from several geographic regions in the eastern and central United States were also examined. Echolocation calls were recorded from light-tagged bats using the Anabat II detector and associated software. Anlook software was used to calculate values for five call parameters: duration, maximum frequency, minimum frequency, frequency of the body, and slope of the body.

Both chapters of Kevin's thesis have been published in peer reviewed journals. He has been accepted into the Ph.D. program at the University of Miami where he will study the ecology and genetics of bats of the Bahamas.

**CONGRATULATIONS Kevin, on a job VERY well done!**

**TEMPLE HALL BIDS A FOND FAREWELL TO SHIRLEY PATTON....**

On Wednesday, March 20, Temple Hall hosted a reception for Shirley Patton in recognition of his upcoming retirement, March 28, 2002.



Shirley began working in the Custodial Department at SMSU on March 6, 1968, three years later transferring to the Maintenance Department where he worked for the past 31 years. Shirley began working in Temple Hall shortly after it opened and has been a mainstay from that time forward. Always a refreshing smile on his face and someone everyone knew they could depend on if an emergency arose in the building, Shirley will be missed by all of us.

Shirley's retirement plans include enjoying prime time with his granddaughter, Emily Ann Bell, who turned 1 year old on March 24, as well as taking care of cattle on his 40 acre farm near Ash Grove; doing some remodeling on his home; and probably a LOT of fishing and traveling!

Shirley said that he has enjoyed working on the SMS campus for the past 34 years and that he will miss everyone....of course that would be if he has the time to miss anyone!

Good luck in your retirement Shirley....We will think of you often!

## CNAS 2001-2002 OUTSTANDING GRADUATING SENIORS

This year's CNAS Outstanding Graduating Senior Awards recipients were honored with a brunch held on May 17, by the College of Natural and Applied Sciences with parents and other special guests invited.

Garrett Hawkins, Agriculture, has achieved a perfect 4.0 GPA, and served in leadership roles in many organizations. He was selected as the statewide male ambassador for The Missouri Farm Bureau and completed an internship working in the area of government relations. He was the prime organizer and Master of Ceremony for the last two Agricultural Forums in which congressmen and business leaders were participants.



Garrett has been on an assignment in Turkmenistan attempting to aid in the establishment of the FFA Youth Organization. He intends to pursue a law degree in preparation for a career in public service after graduating.

Kimberly Burner Sartain, Biology, has achieved a perfect 4.0 GPA, was awarded a prestigious NSF-REU position last summer, and completed a research project at the University of Missouri under Dr. Fred vom Saal. Kim has been selected to interview at some of the top medical schools in the country, was accepted at several, and has decided to attend the Mayo Clinic Medical School. Kim volunteered to help with the Science Olympiad last



year and has served as an SMSU Peer Leader, an advisor to the Cox Medical Explorers Group, and was a tutor for biology and chemistry students.

Nathan Schultheiss, Chemistry, has a 3.44 GPA with his current GPA for graduate level coursework at 4.0. Nate was the first student admitted into SMSU's accelerated masters program in chemistry. He has presented results of some of his research at the Midwest Meeting of the American Chemical Society in October, 2001, with further results presented at the National Meeting of the American



Chemical Society in April, 2002. Nate was also a participant in a project this past year which is funded by the National Science Foundation, spending 10-12 hours each week at Reed Middle School in Springfield helping the science teachers prepare, design, and conduct laboratory experiments. He also led a team of students at the Science Olympiad at SMS and is now helping supervise several science fair projects.



Sean Smith, Computer Science, has maintained a 3.93 GPA and will be graduating Summa Cum Laude. He received a Board of Governor's Scholarship and was in the Honors College. Sean contributed time and energy to the Association for Computing Machinery Student Chapter at SMS and was specifically involved in the Student Chapter of the Association for

Computing Machinery in their project for the Discovery Center in Springfield. He participated in a Multi-disciplinary Artificial Intelligence Forum, is a member of Who's Who Among Students in American Universities and Colleges, and placed in the 97th percentile of the nation on the Computer Science Major Field Assessment Test. For two years he was a member of the SMS programming team that competed in the Association for Computing Machinery International Collegiate Programming Contest, and he has competed in the Association for Computing Machinery Reflections/Projections Programming Contest. He competed for and won both a Boeing Scholarship and a Spring Scholarship.

Travis Wampler, Geography, Geology, & Planning, has a 3.93 GPA, graduating Summa Cum Laude. Travis' major is Geography, with a minor in Community and Regional Planning. Travis has been involved in the Shirato Redevelopment, Inc., as an Executive Assistant; a Geography Research Assistant for Dr. Zhang, surveying tourist and residential populations of Branson, Missouri; a GIS Analysis/Cartographic Assis-



tant for the Bryant Watershed Project; a Geography Department Assistant; and served an Internship in the Economic Development Office of the Springfield Area Chamber of Commerce.

Abby Cossiboom, Mathematics, has a GPA of 4.0 and will graduate Summa Cum Laude. Her goals are to excel in teaching students in the area of Mathematics at the secondary level with interest in sponsoring student government or facilitating some mathematical school-sponsored clubs. She is a member of Kappa Mu Epsilon Mathematics Honor Society, Mathematics Association of America Student Chapter, Phi Eta Sigma



National Honor Society, Golden Key National Honor Society, received a Missouri Teacher Education Scholarship; University Board of Governors Scholarship; University Leadership Scholarship; Lawrence and Crystal Pummill Scholarship; and Louis O. and Minnie M. Smith Mathematics Scholarship.

Jeff Rice, Physics, Astronomy, & Material Science, has a GPA of 3.91 and is a member of Kappa Mu Epsilon Mathematics Honor Society, serving as Vice President 2000-2001; the Mathematics Association of America; Society of Physics Students; Sigma Pi Sigma Physics Honor Society; Phi Kappa Phi National Honor Society; American Physical Society; Golden Key National Honor Society; and Who's Who Among Students in American



Universities and Colleges. He received the Robert L. and Mary L. Sproull University Fellowship; University of Rochester Graduate College Fellowship; placed third in the Missouri Academy of Sciences Undergraduate Paper presentations; received the National Collegiate Engineering Award; received a Missouri Bright Flight Scholarship, SMSU Freshman Academic Scholarship, and the Missouri Teachers Association Scholarship.

## A SUMMER RESEARCH EXPERIENCE

*By Joe Ellsworth*

Thinking about an internship? So was I, and here is what I found. My initial reasons for going: research experience to put on resumes, hopefully another reference, and hopefully a trip to the beach. My initial reasons for not going: no break from school, financial reasons, a terrible GPA, and an overwhelming thirst to just sit around and be lazy for a couple of months. I was only a sophomore at the time, and the cons were really outweighing the pros, not to mention that I'm on the five-year plan, which to me meant plenty of summers left to do something like this. However, I figured I'd give it a try.



The outcome: \$3,000 just for going, travel expenses reimbursed, housing provided, a couple of trips to the beach, plenty of leisure time if I wanted it, second author on an article, research experience, priceless friendships, and a graduate school to attend after I'm finished at SMSU.

My name is Joe Ellsworth and I'm currently a junior with intentions to acquire a Ph.D in organic chemistry. I spent last summer at the University of South Carolina as a participant in the REU program (Research Experience for Undergraduates). The REU program is the perfect opportunity to get your feet wet in the graduate scene. You get to work alongside graduate students who are working on a Ph.D, use the latest equipment, and learn skills that could cost you thousands of dollars anywhere else.

Some of you may say you already know what you want to do, and it does not involve graduate school. If you are undecided, I would suggest trying REU, because by the end of the summer you will be able to add or subtract something to your list of options.

Two other undergraduate students are participating in an REU program this summer – Catherine Haslag, a senior chemistry major, will be at North Carolina State University in Raleigh, NC., and Jami Heitdrink, a junior chemistry major, will be at the University of Alabama.

## MATH AWARENESS WEEK CONTEST 2002

The contest began on Monday, April 22, and ran through Friday, April 26. Each day a new question was posted on the below website. Ankit Gupta, a sixth grade student from Hickory, North Carolina, was the first person to answer all five questions correctly, (via e-mail to contest @math.smsu.edu). He won a new TI-83Plus calculator! His two brothers also competed in the contest and answered all five questions correctly, but not as soon as Ankit. CONGRATULATIONS ANKIT ON A JOB WELL DONE!

The following questions were listed:

Monday: Although there is no Nobel Prize in Mathematics, this mathematician was awarded the Nobel Prize in Economics in 1994. Who is he?

Tuesday: This Indian mathematician was largely self-taught. He made contributions to number theory of stunning originality that are still being studied today. Unfortunately, when he went to England to work with the British mathematician Hardy, he became ill and died upon returning to India. Who was he?

Wednesday: A *perfect square* is a number that is the product of a whole number with itself. For example, 9, which is equal to 3 times 3, is a perfect square. As we celebrate Math Awareness Month in the year 2002, we ask: what is the smallest perfect square that begins with the digits 2002...?

Thursday: What is the maximum number of regions we can divide the plane into with a given number of straight lines, for example, if we use three lines we can



What is the maximum number of regions that 10 lines will divide the plane into?

Friday: A *prime number* is a whole number bigger than one that cannot be written as the product of two smaller whole numbers. For example, 15 is not prime since it is equal to 5 times 3. On the other hand, 11 is prime since it can only be factored as 11 times 1. A *palindrome* is a number that reads the same backward or forward. For example, 2002 is a palindrome. However, 2002 is not prime since it's the product of 2 and 1001. Our final question, what is the first number after 2002 that is both a prime number and a palindrome?

SMSU's Math Summer Institutes are back in 2002! And expanded! These week-long programs focus on math-related topics in a fun atmosphere and are designed for ANYONE who is interested in learning new, more (& fun) math. For Summer 2002, programs and activities are being designed for middle school students, secondary students, and students wanting to be future math teachers. The Institutes will be held on the campus of SMSU during the Summer 2002. Middle School Institute (students entering 7th-9th grades) will be held during the week of June 24 -28. Secondary Institute (10-12), July 22-26, and depending upon demand and schedules, there MAY also be another Institute August 5-9. The total cost of each Institute will be \$95.00. Some limited (need- based) scholarships help may be available. For more information contact Dr. Larry Campbell, 417-836-5942 - LNC999F@smsu.edu.

In order for the College of Natural and Applied Sciences to continue to excel, your help with scholarship and development funds would be greatly appreciated. A variety of giving opportunities are listed below. Please complete the area in which you wish your gift credited.

\$50 \_\_\_\_\_  \$100 \_\_\_\_\_  \$150 \_\_\_\_\_  Other \_\_\_\_\_

- Agriculture \_\_\_\_\_
- Biology \_\_\_\_\_
- Chemistry \_\_\_\_\_
- Computer Science \_\_\_\_\_
- Fruit Science \_\_\_\_\_
- Geography, Geology & Planning \_\_\_\_\_
- Mathematics \_\_\_\_\_
- Physics, Astronomy & Materials Science \_\_\_\_\_
- College of Natural and Applied Sciences \_\_\_\_\_

**You may also make your contributions payable to the following scholarship funds:**

College of Natural and Applied Sciences Scholarships

**Your gift is tax deductible. Please make checks payable to Southwest Missouri State University Foundation and return with this form to Southwest Missouri State University, College of Natural and Applied Sciences, Temple 142, 901 S. National, Springfield, MO 65804.**

**Please feel free to use the enclosed postage free envelope for your contributions and news items.**

We would like to hear from you about what you have been doing since attending SMS.

Name: \_\_\_\_\_

Major: \_\_\_\_\_

Degree/Year Granted: \_\_\_\_\_

Year/Years Attended SMS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

---

---

## CALENDAR OF UPCOMING EVENTS

Friday, May 10	Study Day
Friday, May 17	Spring 2002 Commencement CNAS Outstanding Graduating Senior Brunch
Monday, May 20 - June 7	Intersession Classes
Monday, June 10	Summer 2002 Semester Begins
Thursday, July 4	Independence Day University Offices Closed - No Classes
Friday, August 2	Summer 2002 Commencement

***HAVE A SAFE AND HAPPY SUMMER!***

Southwest Missouri State University is a community of people with respect for diversity. The University emphasizes the dignity and equality common to all persons and adheres to a strict nondiscrimination policy regarding the treatment of individual faculty, staff, and students. In addition, in accord with federal law and applicable Missouri statutes, the University does not discriminate on the basis of race, color, religion, sex, national origin, ancestry, age, disability, or veteran status in employment or in any program or activity offered or sponsored by the University. The University maintains a grievance procedure incorporating due process available to any person who believes he or she has been discriminated against. Southwest Missouri State University is an Equal Opportunity/Affirmative Action employer. Inquiries concerning the grievance procedure, Affirmative Action Plan, or compliance with federal and state laws and guidelines should be addressed to Jana Long, Equal Opportunity Officer, Office of Human Resources, Carrington Hall 128, 901 South National, Springfield, Missouri 65804, (417)836-4252.