

V. OTHER DIVISIONS, UNITS, and AGENCIES

A. MAJOR DIVISIONS and STAFFS

FINANCE and ADMINISTRATION

Responsible for Human Resources management; finance, operation and maintenance of the physical plant; campus landscape; support services; the operation of auxiliary enterprises, including the laundry, dining services and University-owned faculty and staff housing.

Michael J. McGrevey, Chief of Staff

CONTROLLER and TREASURER'S OFFICE

The Controller and Treasurer's Office primary mission is to (1) provide financial service to the University community and its customers, (2) protect the University's financial resources and (3) insure compliance with both internal and external financial regulations, policies and procedures.

J. Wayne Bland, M.C.S., Interim Associate Vice President for Finance and Administration and Controller and Treasurer
 Ronald S. Brown, C.P.A., Associate Controller for Sponsored Programs, Treasury Services, Student Accounting/Receiveables, and Collections
 Betty Gentry, B.S., Assistant Controller for Treasury Services
 Jane Kinard, B.P.A., Assistant Controller for Accounts Receivable and Services
 Denise Peeples, M.B.A., Assistant Controller for Sponsored Programs Accounting
 Ken Stewart, M.C.S., Associate Controller for Budget, Records, Reporting & Payroll
 June Dempsey, B.P.A., Assistant Controller for Budget & Payroll

CONTINUING EDUCATION

(For functions, organizations, and programs of the Division of Continuing Education, see PART II. THE COLLEGES and SCHOOLS.)

Mark Binkley, Ph.D., Director of Continuing Education

FOREST and WILDLIFE RESEARCH CENTER

The Forest and Wildlife Research Center (FWRC) was authorized by the Mississippi Legislature with passage of the Renewable Natural Resources Act of 1994. The FWRC was assigned the mission to conduct research and technical assistance programs relevant to the efficient management, utilization, and protection and enhancement of the forest, wildlife, fisheries, and aquatic resources of the state and region. Within the scope of this mission, the FWRC has responsibilities for developing through research: (1) natural resource management systems which ensure the optimal production of goods and services while protecting, sustaining and enhancing the forest and aquatic environments; (2) harvesting and manufacturing technologies that promote efficient utilization of the state's timber resources; (3) biological and economic data bases which address specific problems and opportunities related to the state's forest, wildlife, aquatic and fisheries resources, including environmental issues related to those resources; and (4) policy analyses which provide options for renewable resources management and use in Mississippi.

The research center is composed of the Department of Forestry, the Department of Wildlife and Fisheries and the Department of Forest Products. The agency's base research program involves approximately 275 separate research activities and covers project work in 25 research areas in forestry, forest products, wildlife, and fisheries. This research program serves a diverse number of clients which includes forest landowners, forest-based industries, federal agencies, other state agencies, private agencies and various forest resources user groups. Faculty in the Forest and Wildlife Research Center hold joint appointments for teaching purposes in the College of Forest Resources.

Forest and Wildlife Research Center

George M. Hopper, Ph.D., Director
 Liam E. Leightley, Ph.D., Interim Associate Director

Forestry

James P. Shepard, Ph.D., Professor and Dept. Head

Forest Products

Rubin Shmulsky, Ph.D., Associate Professor and Head

Wildlife and Fisheries

Bruce D. Leopold, Ph.D., Professor and Head

MISSISSIPPI AGRICULTURAL and FORESTRY EXPERIMENT STATION

<http://www.mafes.msstate.edu>

The Mississippi Agricultural and Forestry Experiment Station operates under mandates of the U.S. Congress (1862 and 1887) and the Mississippi Legislature (1888) for the purpose of conducting scientific research in agriculture, forestry, and related sciences. The foundation mission of MAFES is to improve the state's agricultural and aquacultural industries and the well-being of all Mississippians.

The success of agricultural research in the first 100 years has resulted in a highly complex food and fiber system that is the envy of the world — but one that is also characterized by the continuing emergence of new problems and opportunities. Thus, the foremost challenge of the Experiment Station is maintaining a continuum of research discovery and education to keep Mississippi's agricultural producers viable and competitive in a global economy.

Experiment Station Headquarters (MSU Campus) The Leveck Animal Research Center, the Bearden Dairy Research Center, the R.R. Foil Plant Science Research Center and the Black Belt Branch Station at Brooksville provide field laboratories for on-campus scientists and represent all of the important plant and animal commodities produced in the State.

On-campus departments conducting research to meet these needs are: Agricultural Economics, Agricultural and Biological Engineering, Plant and Soil Sciences, Animal and Dairy Sciences, Biochemistry and Molecular Biology, Entomology and Plant Pathology, Food Science, Nutrition and Health Promotion, Human Sciences, Poultry Science, the Social Science Research Center, Landscape Architecture, Veterinary Medicine, and the Wildlife and Fisheries Aquaculture unit.

Off-campus activities are conducted through four regional research and extension centers and associated branch experiment stations in the various soil and types-of-farming areas of the State. Research efforts involve cooperative projects with scientists from on-campus departments and other branch stations, as well as collaboration with state and federal agencies, producers, and private industry sponsors.

Central MS Research and Extension Center: The Brown Loam Branch Station near Raymond carries out an extensive program of beef cattle crossbreeding and management, forage, and field crop studies. At the Coastal Plain Branch Station near Newton, long-standing programs of field crops research blend with studies of nutrient management. The Truck Crops Branch Station at Crystal Springs serve a populous urban-rural area with research on both commercial greenhouses and home garden fruit and vegetable crops and ornamentals.

Coastal Research and Extension Center: The Seafood Processing Research Laboratory at Pascagoula was established in cooperation with the National Marine Fisheries Service and operates to develop processing technologies to enhance the utilization of later marine fishery resources and improve seafood quality and safety. The South MS Branch Station units at Poplarville, White Sand and McNeill conduct research on beef cattle, field and forage crops, agro-forestry, and ornamentals.

Delta Research and Extension Center: The Delta Branch Station at Stoneville employs an integrated, multidisciplinary approach to discover, develop, and demonstrate new technologies and improved germplasm for enhanced profitability and productivity of agricultural enterprises in the Yazoo River-Mississippi River Delta. Its research programs on the major crop and animal production systems of the Delta Counties (cotton, rice, soybean and catfish) are recognized nationally and internationally. Both the Southern Regional Aquaculture Center and the National Warm-water Aquaculture Research Center are located here.

North MS Research and Extension Center: The North MS Branch Station at Holly Springs emphasizes research on soil erosion management, and crop production systems using conservation tillage methods suitable for the soils of the region. The Horticulture Research & Education Unit at Verona conducts cultivar evaluations and cultural practices studies with vegetable, ornamental, and medicinal herbs crops. The Northeast MS Branch Station at Verona conducts conservation tillage systems research and variety evaluations for the major field crops of the region. The Pontotoc Ridge-Flatwoods Branch Station at Pontotoc emphasizes sweet potato production, peaches and other fruits, and field crops. The Prairie Research Unit at Prairie focuses on utilizing forages in the economic and efficient production of beef, with emphasis on herd health management and improved conception and nutrition.

Extensive collaborative relationships with other state and federal agencies enhance the productivity and applicability of MAFES' research

programs on-campus and off-campus. Representative participants include USDA/Agricultural Research Service (Small Grain Nurseries, Pasture Research Laboratory, Forage Research Unit, Corn Research Unit, Small Fruits Research Station, Southern Field Crop Insect Management Laboratory, Cotton Physiology and Genetics Research Unit, Southern Weed Science Laboratory, Field Crops Mechanization Research Unit, Soybean Production Research Unit, U.S. Cotton Ginning Laboratory, Soil Sedimentation Laboratory and Boll Weevil Research Laboratory); USDA/Natural Resources Conservation Service (Artificial Wetlands and Global Change Monitoring Station); NOAA/National Weather Service; MS Department of Agriculture and Commerce; MS Department of Wildlife, Fisheries, and Parks; USDA/APHIS Animal Damage Control Unit; USDA/Forest Service (Southern Hardwoods Laboratory); Tennessee Valley Authority; Mississippi Power Company; U.S. Army Corps of Engineers; and U.S. Department of Commerce (National Marine Fisheries Service).

Research programs of MAFES are both basic and applied. Basic research deals with long-range fundamental opportunities or problems in agriculture and the development of new knowledge. Applied research is directed toward early solution of problems of immediate concern facing farmers, processors and marketers of agricultural products, and all citizens of the state, whether urban or rural.

Research facilities to support the broad scope of research conducted by MAFES include chemical, biological, engineering, and computer laboratories; greenhouses and growth chambers; land for crops, orchards, and forests; pastures and building facilities for beef and dairy cattle, sheep, hogs, and poultry; ponds and related facilities for aquaculture; and the farm machinery and other equipment required to enable our scientists to conduct effective research programs. In addition, facilities and personnel of ARS, USDA and other federal and state agencies are strategically co-located to augment the total research effort.

While the primary mission of MAFES is agricultural and aquacultural research for the State, its presence on the campus adds strength to both the teaching and extension programs. Most department heads and many other staff members have joint appointments involving teaching, research, and/or extension activities, and teach or administer instructional programs in agriculture, engineering, and art and sciences. Agriculture students at Mississippi State University have the opportunity to observe and participate in research, and MAFES provides graduate research assistantships and other part-time employment for many students.

MAFES operates on state and federally appropriated funds supplemented by income from sales of products from the research projects. Grants and contracts from private industry and from other sources provide additional funds.

PERSONNEL

Robert H. Foglesong, Ph.D., President
Vance H. Watson, Ph.D., Director
Jonathan W. Pote, Ph.D., Associate Director
Reuben B. Moore, Ph.D., Associate Director

Agricultural Economics

Steven C. Turner, Ph.D., Professor and Head

Agricultural and Biological Engineering

William D. Batchelor, Ph.D., Professor and Head

Animal and Dairy Science

Terry E. Kiser, Ph.D. Animal Scientist and Dept. Head

Biochemistry and Molecular Biology

Scott Willard, Ph.D., Interim Head and Molecular Biologist

Entomology and Plant Pathology

Clarence H. Collison, Ph.D., Head of Department

Food Science, Nutrition and Health Promotion

W. Benjy Mikel, Ph.D., Professor and Head

Human Sciences

Gary B. Jackson, Ph.D., Director

Life Sciences and Biotechnology Institute

Shane Burgess, Ph.D., DVM

Plant and Soil Sciences

Michael Collins, Ph.D., Agronomist and Head

Poultry Science

Michael Kidd, Ph.D., Head of Department

Research Support Units

Black Belt Branch Station, Brooksville
Frank E. Boykin, Manager

Experimental Statistics

Dennis E. Rowe, Ph.D., Research Professor

Social Science Research Center

Arthur G. Cosby, Ph.D., Director

Veterinary Medicine

A. Jerald Ainsworth, Ph.D., Immunologist

Wildlife and Fisheries

Bruce D. Leopold, Ph.D., Professor and Head

Central MS Research and Extension Center, Raymond

Dwayne Wheeler, M.S., Extension/Research; Professor & Head

Delta Research and Extension Center, Stoneville

Joe E. Street, Ph.D., Head

Southern Regional Aquaculture Center, Stoneville

C. S. Tucker, Ph.D., Director

North Mississippi Research and Extension Center, Verona

Alan Blaine, Ph.D., Head

North Mississippi Branch Experiment Station, Holly Springs

Northeast Mississippi Branch Experiment Station, Verona

Pontotoc Ridge-Flatwoods Branch Experiment Station, Pontotoc

Prairie Research Unit, Prairie

Brown Loam Branch Experiment Station, Raymond

Coastal Plain Branch Experiment Station, Newton

South MS Branch Experiment Station, Poplarville

Truck Crops Branch Experiment Station, Crystal Springs

Coastal Research and Extension Center, Biloxi

Patricia Knight, Ph.D, Head

MISSISSIPPI STATE UNIVERSITY EXTENSION SERVICE

The Mississippi State University Extension Service provides research-based information and educational programs in agriculture and natural resources, 4-H youth development, family and consumer matters, and enterprise and community resource development to improve the economic, social, and cultural well-being of Mississippians.

As part of a three-way partnership of the U.S. Department of Agriculture, the land-grant university system, and individual counties, it provides information and educational programs in all of the state's 82 counties. MSU Extension also cooperates with Alcorn State University, Mississippi's other land-grant institution.

The Extension Service supports positive change for individuals, families, and communities by providing practical, directly applicable information and educational opportunities using the latest information technologies and proven teaching techniques. To achieve its mission, the Extension Service develops and uses volunteers to assist with program delivery, collaborates with many other organizations, and maintains a culturally diverse staff responsive to the needs of people at all socioeconomic levels.

Programs are conducted primarily by county Extension agents supported by specialized area agents and state-level and area specialists responsible for gathering, interpreting, and disseminating information about the latest research findings and technological developments.

Agriculture and its related enterprises are of major economic importance in Mississippi. Also directly affecting quality of life are the relationship between people and their environment and the continuing need for human resource development. The Extension Service directs its programs and resources accordingly and continues to pursue innovative ways to help families, youth, and communities adjust and thrive in an ever-changing world.

PERSONNEL

Robert H. Foglesong, Ph.D., President of the University
Vance H. Watson, Ph.D., VP DAFVM/Dean/Executive Director
Melissa J. Mixon, PhD. Associate Vice President and Extension Professor
Will McCarty, Ph.D., Associate Director and Extension Professor
George M. Hopper, Ph.D., Dean/Director/Professor/Extension Professor
Susan L. Holder, Ed.D., State Program Leader, 4-H Youth Development

Beverly R. Howell, Ph.D., State Program Leader, Family & Consumer Sciences; Professor, Human Sciences

Agricultural Economics

Steven Turner, Ph.D., Professor and Head

Agricultural and Biological Engineering

William D. Batchelor, Ph.D., Professor and Head

Animal and Dairy Science

Terry E. Kiser, Ph.D., Professor and Head

Center for Governmental Technology

P. C. (Mac) McLaurin, Jr., M.A., Extension Professor and Leader

Central Mississippi Research & Extension Center, Raymond

Dwayne L. Wheeler, M.Ex, Extension/Research Professor and Head

Coastal Research and Extension Center, Biloxi

Patricia R. Knight, Ph.D., Extension/Research Professor and Head

Computer Applications and Services

Dan Brook, Ed.D., Department Head

Delta Research and Extension Center, Stoneville

Joe E. Street, Ph.D., Extension/Research Professor and Head

Entomology and Plant Pathology

Clarence H. Collison, Ph.D., Professor and Head

Family and Consumer Sciences

Beverly R. Howell, Ph.D., State Program Leader

Food Science, Nutrition and Health Promotion

William Benjamin Mikel, Ph.D., Professor and Head

Forestry

George M. Hopper, Ph.D., Director

James P. Shepard, Ph.D., Professor and Head

4-H—Youth Development

Susan L. Holder, Ed.D., State Program Leader

GeoResources Institute

David R. Shaw, M.S., Ph.D., Director

Charles L. Hill, M.S., Deputy Director

Human Sciences

Gary B. Jackson, Ph.D., Director and Associate Professor

North Mississippi Research and Extension Center, Verona

M. Alan Blaine, Ph.D. Extension/Research Professor and Head

Office of Agricultural Communications

Thomas W. Knecht, Ed.D, Head

Ned Browning, Ph.D., Associate Extension Professor and Leader

Plant and Soil Sciences

Michael Collins, Ph.D., Professor and Head

Poultry Science

Michael Kidd, Professor and Head

Southern Rural Development Center

Lionel J. Beaulieu, Ph.D., Director, SRDC

Alan Barefield, Ph.D., Associate Director

Wildlife and Fisheries

Bruce D. Leopold, Ph.D., Professor and Head

COUNTY PERSONNEL

Each of the 82 counties has a core Extension Staff to address 4-H youth development and community needs. In addition, there are program assistants working in targeted nutrition programs. The total number of professional and paraprofessional employees in county and area agent positions is 216.

UNIVERSITY LIBRARIES

<http://library.msstate.edu/>

The University's major library collections and functions are housed in the Mitchell Memorial Library, which occupies a central location on the campus. In addition to providing more than 2,051,615 volumes selected to support the teaching and research efforts of students and faculty, the library subscribes to more than 18,103 periodicals. The Special Collections Department contain materials of historical value, including 491 manuscript collections, church and business records. The Congressional and Political Research Center houses the papers of a number of public figures important to Mississippi - most notably those of U.S. Senator

John C. Stennis. The Archives of the University includes papers of the University's presidents and other officers, college, division and departmental records, faculty papers, records of committees and university related organizations. The Library provides an environment for education technology activities and a learning center of techniques related to digital multimedia in the Instructional Media Center. The Library's Computer Commons lab is open until 2 a.m., Sunday through Thursday, and until 8 p.m. on Friday and Saturday.

The College of Architecture and the College of Veterinary Medicine maintain their own library holdings but operate as branches of Mitchell Memorial Library.

Frances N. Coleman, Dean of Libraries

UNIVERSITY REGISTRAR

<http://www.msstate.edu/dept/registrar>

The Office of the University Registrar is responsible for supervising the scheduling of classes, managing the registration of students in courses, recording grades, and maintaining academic records and transcripts of all students and alumni of the University.

Bobby R. Stokes, B.S., M.B.I.S., Registrar

B. INTERNAL SERVICE UNITS

INFORMATION TECHNOLOGY SERVICES

<http://www.its.msstate.edu/>

The mission of Information Technology Services (ITS) is to enhance learning, service, and research through an advanced information technology environment. The mission is fulfilled through three operational units within ITS - Information Technology Infrastructure, User Services, and Enterprise Information Systems. ITS supports and operates the University's voice, data, video and wireless networks and provides a broad array of computing and information technology resources and services for students, faculty, and staff, including Internet and Internet2 access. The ITS Help Desk is available to answer questions and help with computer-related problems. A comprehensive suite of workshops is offered to aid faculty and staff in learning new hardware and software. See www.its.msstate.edu for more information.

Mike Rackley, B.S., M.S., Head, Information Technology Services
Rene Hunt, B.A., M.C.S., Director, Enterprise Information Systems
Timothy Griffin, B.S., Director, Information Tech. Infrastructure
Matt Raven, B.S., M.S., Ph.D., Director, ITS User Services

OFFICE of INSTITUTIONAL RESEARCH

<http://www.msstate.edu/dept/oir/>

The Office of Institutional Research collects, analyzes, and reports information needed for orderly planning and provides background information needed for the formulation of policy decisions to the President, Vice Presidents, and others.

The office analyzes and prepares reports for the President, Vice Presidents, Deans and others, relevant to evaluating faculty workload, student credit hours produced and departmental data that are vital in the allocation of university resources.

The office assists the university community through its research, consulting, and survey activities. A major component of these activities is the Evaluation and Test Service. This service, utilizing optical scanning equipment, scores and analyzes more than 150,000 faculty-constructed tests and processes an equal number of questionnaires and student evaluation of instruction each year.

The office is a primary contact with State and Federal agencies, educational groups, other institutions of higher education, and individuals for the purpose of information and data exchange. A major activity of the office is maintaining a responsive and productive relationship with these external entities.

Julie C. Fulgham, Interim Director

POLICE DEPARTMENT

<http://www.msstate.edu/dept/police/>

It is the mission of the Police Department to support the university and its community by providing effective and efficient services that assist in establishing a safe and secure environment.

The department is staffed 24 hours a day with highly trained officers to enforce the laws, and university rules and regulations. Additionally, police officers actively work with the campus community in providing crime prevention information and addressing crime, safety, and security issues.

Georgia Lindley, Chief of Police

C. RESEARCH UNITS

OFFICE of the VICE PRESIDENT for RESEARCH and ECONOMIC DEVELOPMENT

Office: 617 Allen Hall
<http://www.research.msstate.edu>

The Office of Research and Economic Development is the administrative unit for the coordination of all basic and applied research of the University in the areas of Architecture, Art and Design; Biological and Physical Sciences; Education; Engineering; Business and Economics; Humanities and the Social Sciences. Units include the following: Intellectual Property and Technology Licensing, Laboratory Animal Veterinarian, Radvanyi Chair in International Studies, the Mississippi State Chemical Laboratory, and Centers and Institutes: Center for Educational and Training Technology, Center for Safety and Health, Center for Science, Math and Technology, Electron Microscope Center, GeoResources Institute, Institute for Neurocognitive Science and Technology, Research and Curriculum Unit, Social Science Research Center (Mississippi Alcohol Safety Education Program), T.K. Martin Center for Technology and Disability. In addition, there are separately organized research units in the various schools and colleges. Interdisciplinary research is promoted and coordinated by the Office of Research and Economic Development.

With a core of excellent scientists, engineers, and economists, aided by numerous graduate research assistants, Mississippi State University contributes to the economic growth of the state. Extensive resources are available to assist economic, industrial, and governmental organizations desiring help in discovery, design, and the development of new products. The Office of Research and Economic Development and the Division of Agriculture, Forestry and Veterinary Medicine work together in the performance of their missions to do basic and applied research.

Kirk H. Schulz, Ph.D., Vice President for Research
and Economic Development

Sandra H. Harpole, Ed.D., Associate Vice President for Research
Melvin C. Ray, Ph.D., Associate Vice President for Economic
Development

OFFICE of TECHNOLOGY COMMERCIALIZATION

Office: 403 Bost Extension Building
<http://otc.msstate.edu>

The Office of Technology Commercialization identifies, protects, markets, and licenses intellectual properties developed by Mississippi State University faculty, staff, and students. The OTC should be contacted early in the development of the intellectual property in order to assure all IP rights are protected. Please contact the OTC whenever you think your idea is patentable and you are considering a proposal, presentation or publication.

Charles Rivenburgh, M.B.A., Director

OFFICE of LABORATORY ANIMAL RESOURCES

Office: 2008A Wise Center

The Office of Laboratory Animal Resources is a University-wide resource that provides veterinary care, technical support, compliance monitoring, and program direction and planning for regulated animals used in biomedical research and teaching, and some agricultural research. The Vice-President for Research serves as the Institutional Official for regulated animal research and is advised by the University's Institutional Animal Care and Use Committee (IACUC) to ensure that the programs of animal care and use conform to local, state, and Federal regulations and guidelines for animal care and use. The programs of animal care and use in the College of Arts and Sciences and the College of Veterinary Medicine maintain international accreditation through the Association for the

Assessment and Accreditation of Laboratory Animal Care (AAALAC). Mississippi State University maintains an Animal Welfare Assurance with the Office of Laboratory Animal Welfare within the Public Health Service (NIH).

Lucy H. Senter, DVM, M.S., DACLAM, Director of Lab Animal
Resources and University Veterinarian

RADVANYI CHAIR in INTERNATIONAL STUDIES

Office: 244 Magruder
<http://www.msstate.edu/cha/radvanyi>

On June 11, 1996, the endowed Chair in International Security and Strategic Studies was established with Dr. Janos Radvanyi as the first chair holder. On June 22, 1998, Dr. Malcolm Porter, President, Mississippi State University, named the Chair in Dr. Radvanyi's honor, the Radvanyi Chair in International Studies. The Chair manages the Center for International Security and Strategic Studies (CISS) which devotes full attention to vital global problems, with special emphasis on the complex security issues of the post-communist Era. It alerts to America's vulnerability by not having a reliable defense against hostile missile attacks. The Chair is studying U.S. counter terrorism policy and is monitoring German-European and American relations and the insight of the workings of the European Union and Asian Security issues. The Chair, through its Executive Lecture Forum (ELF) provides a unique outreach program, hosting internationally respected speakers from around the globe to address the membership. Its publications reach government agencies, think-tanks, and major libraries. This exclusive lecture forum counts as its members Mississippi business executives, academicians, and state government representatives, and meets on a regular basis, several times a year. Through the Chair, both students and faculty are provided with a wide range of opportunities to gain awareness of international, political, economic, and cultural issues.

Janos Radvanyi, Ph.D., Chair

REGULATORY COMPLIANCE OFFICE (RCO)

Office: 70 Morgan Avenue
<http://www.msstate.edu/dept/compliance>

Regulatory Compliance is a unit of the Office for Research and Economic Development. RCO has two major functions: (1) to provide support and training in the regulatory requirements for the conduct of scientific research, instruction and extension programs for University faculty members, researchers, students, and staff and (2) to oversee programs in biological safety, radiological safety, chemical hygiene and hazardous waste management.

The three regulatory committees include the Institutional Review Board (IRB) which monitors the use of humans in research, the Animal Care and Use Committee (IACUC) and the Institutional Biosafety Committee (IBC). Each area has a compliance administrator who assists researchers in meeting compliance requirements, facilitating committee reviews and monitoring compliance.

Each safety program has a safety officer. The Biosafety Officer provides support and training in the handling and containment of infectious organisms and recombinant DNA. The Radiological Safety Officer administers the University's radioactive materials license and x-ray registrations. The Chemical Hygiene Officer manages the University's chemical disposal program and provides general and chemical laboratory safety services and training.

Kacey J. Strickland, Director
Patricia D. Cox, Ph.D., Assistant Director

SPONSORED PROGRAMS ADMINISTRATION

Office: 133 Etheredge Hall
<http://www.spa.msstate.edu>

Sponsored Programs Administration (SPA) is the component of the Office of Research responsible for the administration of external proposal activities, and pre-award and post award contractual negotiations of fiscal and administrative matters. Services provided by Sponsored Programs include: disseminate funding information; assist faculty in contacting funding agencies; assure compliance with proposal guidelines; provide proposal budget cost analysis; facilitate in obtaining appropriate departmental and collegiate approvals; coordinate institutional compli-

ance with government regulation; act as administrative liaison with the administrative officers of external sponsors; and, assist faculty and staff in administrative problem-solving associated with their sponsored projects.

Marc McGee, Director

MISSISSIPPI STATE CHEMICAL LABORATORY

Office: 1145 Hand Lab
<http://www.mscl.msstate.edu>

The State Chemical Laboratory was established in 1892 with the control of fertilizer quality as its primary responsibility. Subsequent legislation added duties in the areas of animal feed control, pesticide control, food control, paint and varnish control, and petroleum products control.

In 1970 the Legislature redefined and clarified the purpose and operations of the Mississippi State Chemical Laboratory under the Office of the State Chemist. Four divisions were established: the Chemical Regulatory Division, the Petroleum Products Division, the Industrial and Agricultural Services Division, and the Research Division. Operation of the first two divisions was continued practically unchanged from the practice of many years. The Industrial and Agricultural Services Division and the Research Division are an expansion of services formerly performed by the Chemical Regulatory Division.

The Chemical Regulatory Division carries out regulatory control programs in food, animal feeds, fertilizers, economic poisons, and paints and varnishes.

The Petroleum Products Division conducts regulatory control testing on petroleum and related products.

The Industrial and Agricultural Services Division provides laboratory analysis and scientific and engineering consultation to industries and individuals residing in or doing business in the state. The guiding principle in services shall be that they contribute to the economic growth of Mississippi or to the welfare of its citizens. Charges are assessed for all services and are self-supporting but nonprofit.

The Research Division conducts self-supported, grant, or contract research having immediate or potential influence on the economic growth and promotion of agriculture or industry in Mississippi, or on improvement of the Laboratory's analytical capabilities.

Kevin L. Armbrust, Ph.D., State Chemist; Associate Professor of Chemistry

Paul J. Brignac, Ph.D., Associate State Chemist; Director of Quality Assurance

Jose Rodriguez, Ph.D., Director, Chemical and Petroleum Programs
 William E. Holmes, B.S., Director, Advanced Instrumentation
 Kang Xia, Ph.D., Director, Research

CENTERS and INSTITUTES

CENTER for ADVANCED VEHICULAR SYSTEMS (CAVS)

<http://www.cavs.msstate.edu>

CAVS is an interdisciplinary center that provides engineering research, development and technology transfer teams focused on complex technical problems, such as those associated with human mobility. Our development efforts provide short-term solutions relevant to regional manufacturers while the research builds longer-term knowledge needed for sustained economic development. At the same time students gain valuable project experience that compliments their formal classroom learning. These activities are creating a base for economic and community growth.

Our model is to identify and nurture niche technical areas that can grow into mainstream topics. By this mechanism, CAVS will become a first-rank academic research center. A key feature is a venture capital mind set, where opportunities are identified by researchers, critical clusters are created and grown into self-sustaining research areas. Accordingly, CAVS is applying an "investment" mentality, using its core funding to support entrepreneurial efforts identified by the outreach, economic development, and researcher teams. Our technical clusters are focused as follows: Human and Systems Engineering, Computational Manufacturing and Design, Alternative Power Systems, Hybrid Vehicle

Design: Challenge X, Materials Processing, Computational Systems and Cyberinfrastructure, Advanced Learning Technologies, Mobile Computing, Testing and Characterization, Extension and Outreach Services, Commercialization and Technology Transfer.

Randall M. German, Director, Center for Adv Vehicular Systems
 Zachary Rowland, M.S., Deputy Dir., Ctr for Adv Vehicular Sys.
 Robert Kirkland, Marketing Development Officer

CENTER for EDUCATIONAL and TRAINING TECHNOLOGY

Office: 309 Bost
<http://www.cett.msstate.edu>

The Center for Educational and Training Technology was created in 1996 to provide for the development and implementation of innovative software tools and information technologies as well as staff development training in the use of those tools and information technologies through an interdisciplinary approach involving a wide cross section of units, departments, and colleges from Mississippi State University, state and federal agencies, and corporate America. The ultimate goal is to enhance teaching and learning at all educational levels through effective integration of emerging and innovative technologies. The Professional Development and Technology Group and the Interactive Multimedia Development Group compose the two major divisions of the Center.

R.D. Brook, Ed.D., Director

CENTER for SAFETY and HEALTH

Office: Suite B, 2151 Hwy 18; Brandon, Mississippi 39042
<http://www.msstate.edu/dept/csh>

The Center for Safety and Health is a federal grant program. It was created in 1970 as a part of the Mississippi State Board of Health. In 1992 it was relocated to the Mississippi Workers' Compensation Commission. In 1994, it was transferred to Mississippi State University and designated a center.

The purpose of the Center is to provide assistance to small, medium, and high hazard business employers in Mississippi by helping them come into compliance with the regulations of the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA). The services provided by the Center are free of charge, confidential, and conducted only at the request of the business employers. During the consultation visit, an opening conference is held to define the consultation procedure, and explain employer's recordkeeping and program requirements. Also during the opening conference the employers' obligations are addressed. The employer must agree to correct all identified imminent danger and serious hazards. During a conducted tour of the survey site or facility, production processes, methods of operation, and facilities are assessed for potential and observed hazards. Health and safety conditions present in the workplace are evaluated by the use of appropriate monitoring equipment. A closing conference is held to review the observed safety and health hazards and to suggest initial corrective measures. The consultant then prepares a report to describe any hazards as related to applicable standards and to make recommendations for correction and/or control measures.

Kelly M. Tucker, B.S., Director/ Program Manager
 Charles M. Savage, B.S., Associate Director

CENTER for SCIENCE, MATHEMATICS and TECHNOLOGY

Office: 23 President's Circle
<http://csmt.msstate.edu>

The Center for Science, Mathematics and Technology was created in 1996 to facilitate multidisciplinary research with a focus on science and mathematics education. Concentrating on human resource development issues in preparing people for work, in gender equity, in curriculum reform and in environmental education, the Center has actively pursued research projects in teacher enhancement, advanced technology and faculty development from extramural sources. Under supervision of the Vice President for Research, the Center will continue to undertake collaborative research projects with other Mississippi State University departments and units supporting educational reform, faculty enhancement, environmental education, and encouraging participation of women and minorities in science, engineering, mathematics and technology.

Sandra H. Harpole, Ed.D., Director

ELECTRON MICROSCOPE CENTER

Office: Clay Lyle Entomology Complex
<http://www.msstate.edu/dept/emc>

The Electron Microscope Center is a University-wide facility administratively under the Mississippi State University Office of Research. The purposes of the Electron Microscope Center are: (1) to provide the Mississippi State University academic and research community access to specialized electron microscopy and confocal equipment, (2) to give professional consultation on research problems related to electron microscopy, and (3) to provide instruction and assistance in the use of electron microscopy and confocal equipment.

GEORESOURCES INSTITUTE (GRI)

Office: HPCC, Research Park
<http://www.gri.msstate.edu>

The GeoResources Institute (GRI) integrates academic and operational campus units active in research and educational activities in resource management through use of geospatial technologies. GRI's focus is in agriculture, forestry, water resources, information technology, visualization techniques and computational modeling, and recently has expanded to include geospatial applications in any suitable domain, such as climate, weather, and oceanography to support state and local government issues, and economic development.

The GeoResources Institute currently supports the research efforts of faculty from 22 departments within 6 Colleges/units within Mississippi State University, and collaborates with other public and private research institutions.

The mission of the Institute is to understand Earth's natural and managed systems to provide comprehensive solutions for socioeconomic and environmental requirements. Its vision is to be a world leader in advancing the state-of-the-art in development and integration of spatial technologies and resource management.

GRI's objectives are to:

- Increase the fundamental understanding of Earth's natural and managed resource systems through use of geospatial technologies.
- Develop resource management capabilities and visualization techniques to enhance computationally-intensive decision support systems.
- Increase the productivity of renewable resources through the application of science and advanced technologies.
- Develop management strategies to enable sustainable economic development, human and natural community viability, and resource conservation.
- Develop advanced computational systems capable of knowledge discovery and simulating and visualizing geospatial environments.
- Utilize research and technologies to improve local, regional, and national socioeconomic development.
- Develop and maintain an informed public receptive to the use of geospatial information.

David R. Shaw, Ph.D., Director
 Charles L. Hill, M.S., Deputy Director
 Robert J. Moorhead, Ph.D., Associate Director for High Performance Computing
 Lori M. Bruce, Ph.D., Associate Director for Research

**RESEARCH and CURRICULUM UNIT
for WORKFORCE DEVELOPMENT
and VOCATIONAL and TECHNICAL EDUCATION**

Office: 103 Russell Street
<http://info.rcu.msstate.edu/>

The Research and Curriculum Unit for Workforce Development and Vocational and Technical Education (RCU) is jointly sponsored by the Mississippi Department of Education, Office of Vocational and Workforce Development, and the Office of Research of Mississippi State University.

The mission of the RCU is to provide leadership in state workforce development efforts and coordinate those efforts with secondary and community/junior college vocational technical education curriculum development. The RCU cooperates with other state agencies in uniting and coordinating workforce development efforts. It provides instructional leadership in vocational and technical education activities, working with statewide curriculum frameworks and initiatives. Professional develop-

ment activities are provided for educators across the state, enhancing their ability to provide optimal utilization and implementation of materials and research findings for the classroom. Research activities include assistance with state-wide vocational-technical assessments, reporting, and innovations. The RCU staff works with personnel from local school systems, community/junior colleges, state universities, the Mississippi Department of Education, the U.S. Office of Education, and other agencies and organizations.

Patricia Abraham, Ed.D., Director

SCIENCE and TECHNOLOGY RESEARCH CENTER

Office: John C. Stennis Space Center

The Science & Technology Research Center (STRC) has been located at The John C. Stennis Space Center (SSC) in Hancock County, MS., since the mid sixties. It provides research coordination and fact-finding assistance as a liaison office to all MSU faculty with Federal and State Agencies at SSC and elsewhere on the Mississippi Gulf Coast. Additionally, STRC coordinates research projects through the Mississippi Research Consortium (MRC) for MSU, UM, JSU, and USM.

Glade Woods, Director

SOCIAL SCIENCE RESEARCH CENTER

Office: 1 Research Blvd., Suite 103
<http://www.ssrc.msstate.edu>

The Social Science Research Center (SSRC) (www.ssrc.msstate.edu) was established at MSU in 1950 to promote, enhance and facilitate social science research and scholarly activities. Organized as a university-wide Center, it reports to the Vice Presidents for Research and Agriculture, Forestry and Veterinary Medicine. Housed in the Thad Cochran Research and Technology Park, it offers researchers an array of opportunities and options, state-of-the-art facilities, and support units to enhance their research endeavors. It fosters a rigorous, independent, and interdisciplinary environment and seeks to ensure objective, relevant and unbiased analyses of social, economic, political, human resource, and social-environmental problems.

The SSRC relies on the expertise, talents, and entrepreneurial skills of its scientists, who provide the impetus and direction of its research program. Fellows and associates, supported by an administrative staff and student assistants, conduct both sponsored and unsponsored projects. Recognizing the importance of combining the expertise and capacities of multiple institutions, disciplines and professions in addressing complex problems, it forms partnerships, strategic alliances and collaborative agreements with agencies, off-campus national-level research organizations, and professional groups. This provides a steady stream of innovative projects and creative investigations funded by federal and state agencies, foundations, MSU units, and other public and private entities.

It contributes to the university's educational program by involving students in research projects and offers a vehicle for unique social research and public service programs that do not fit traditional academic structures. The SSRC follows the land grant tradition by serving Mississippi and the nation through research, education and public service.

Arthur G. Cosby, Ph.D., Director

T.K. MARTIN CENTER for TECHNOLOGY and DISABILITY

Office: T.K. Martin Center
<http://www.tkmartin.msstate.edu>

The T.K. Martin Center for Technology and Disability at Mississippi State University was created in 1994 as a unique entity which provides direct clinical service in assistive technology for individuals with disabilities in an environment that promotes application and research.

The T.K. Martin Center for Technology and Disability works with individuals to provide evaluation, prescription and training of a variety of assistive technologies, from design and fabrication of mechanical devices to computer based technologies. The Center collaborates with other University Centers, Institutes and Departments on research issues involving new technologies and technology integration issues.

The T.K. Martin Center for Technology and Disability is located adjacent to the Longest Student Health Center.

Janie Cirlot-New, M.S., CCC/SLP, Director

TRANSPORTATION RESEARCH CENTER

Office: 235 Walker Hall

<http://www.civil.msstate.edu/transres.htm>

The Transportation Research Center (TRC) was established in 1997. The primary function of TRC is to conduct scholarly research designed to advance the current state of technologies in the State of Mississippi, and to provide educational opportunities to the Mississippi Department of Transportation (MDOT) personnel for the advancement of their professional careers. The TRC acts in coordination with the MDOT Division of Research to screen proposals submitted to TRC and jointly awards the research contracts. TRC provides on-campus administration of the research projects, and provides credit and non-credit instructional programs as requested by MDOT.

Thomas D. White, Ph.D., Director

FOREST and WILDLIFE RESEARCH CENTER SPATIAL INFORMATION TECHNOLOGIES LAB

<http://www.cfr.msstate.edu/forestry/sitl/sitl.htm>

The Spatial Information Technologies Laboratory (SITL) is located in the College of Forest Resources/Forest and Wildlife Research Center (CFR/FWRC). It fulfills a commitment to excellence in research and teaching in Spatial Information Technologies (SIT) from a natural resource perspective. The SITL houses computational resources that make it unique for forestry research in Mississippi. These resources include high-performance UNIX and PC workstations; a complete array of GIS, image processing, and statistical analyses software packages; large format scanners; and numerous color printers and plotters. GPS units and accompanying software are used in the collection of field data.

The data available at the SITL for natural resource-related work include a complete GIS of Mississippi obtained from the Mississippi Automated Resource Information System (MARIS), digital satellite data coverage of the entire state, and an archive of recent and historic aerial photography and maps of large parts of the state and region. Research projects include the use of satellite imagery in forest inventory systems, combining high-resolution imagery with LIDAR data for forest tract assessment, and classifying forest stand attributes using aerial and satellite acquired imagery from various resolutions.

The SITL supports resident instruction in the Department of Forestry through courses such as Spatial Technologies in Natural Resource Management, Remote Sensing Applications, and GIS for Natural Resource Management. Graduate programs are offered that lead to Masters and Doctor of Philosophy degrees with a concentration in SIT.

For more information on the SITL contact: Dr. David L. Evans, Department of Forestry

SCHOOLS and COLLEGES

SCHOOL of ARCHITECTURE RESEARCH

Office: 240 Giles

Research in the discipline of architecture aims to improve the quality of life and ranges from the development of more efficient, safer, less expensive, more durable building materials and components, to the design of environmentally sensitive, energy efficient, and economically viable communities.

There are currently four research centers in the School of Architecture; three located on the Starkville campus and one in Biloxi. The Carl Small Town Center provides research and service assistance to small towns through downtown redevelopment and other community design initiatives addressing quality of life issues such as economic diversification, town planning, conservation of architectural and historic resources, and affordable housing design and technology. The work of the Design Research and Informatics Lab aims to apply state-of-the-art visualization technology to design problems in order to yield significant quality of life improvements for the people of Mississippi and beyond. The Educational Design Institute is a collaborative initiative between the College of Education and the School of Architecture, and is charged with exploring changes in educational delivery and rethinking how schools envision, plan, design, manage, and use their facilities. The Gulf Coast Community Design Studio works with elected officials, city and regional planning departments, neighborhood groups, and non-profit organizations in providing leadership and design assistance to Mississippi Gulf Coast communities damaged or destroyed by Hurricane Katrina.

Faculty research activities focus on programming, planning and design, anthropometric modeling and evaluation, architecture theory and history, visual imagery, post-occupancy evaluation, and the technological evaluation of materials and methods, energy efficiency, and construction.

James L. West, M. Arch., A.I.A., Dean

Jane Britt Greenwood, M. Arch., A.I.A., Interim Associate Dean and Director of Research

Larry R. Barrow, D. Des., A.I.A., Director, Digital Research and Imaging Laboratory

David Perkes, M. Arch., Director, Jackson Community Design Center

John Poros, M. Arch., Director, Carl Small Town Center

COLLEGE of ARTS and SCIENCES

BIOLOGICAL and PHYSICAL SCIENCES RESEARCH INSTITUTE

Office: 208 Allen Hall

Support for research activities in the biological and physical sciences comes both from the University and from outside sources, including state and federal agencies, private industry, and foundations. Some projects are carried out by staff members working independently or with graduate students, while other projects are multidisciplinary in nature and are conducted in cooperation with staff members from other colleges in the University, the Mississippi Agricultural and Forestry Experiment Station and the Mississippi State Chemical Laboratory. Staff members also participate in multi-institutional projects in cooperation with personnel from the University of Mississippi, the University of Southern Mississippi and Gulf Coast Research Laboratory.

The results of the research efforts are published in appropriate scientific journals and, in the case of graduate student participation, become the basis of theses and dissertations.

The research staff of 21 consists of faculty and staff members from the departments of Biological Sciences, Chemistry, Geosciences, Mathematics and Statistics, and Physics and Astronomy.

CENTER for COMPUTATIONAL SCIENCES

Office: 2 Research Boulevard

<http://www.ccs.msstate.edu>

The Center for Computational Sciences (CCS) is part of a coalition of member centers and groups housed at the HPCC (formerly known as the Engineering Research Center) that share a common core objective of advancing the state-of-the-art in computational science and engineering using high-performance computing; a common approach to research that embraces a multi-disciplinary, team-oriented concept; and a commitment to a full partnership between education, research, and service.

The mission of CCS is to foster interdisciplinary research in both the fundamental understanding and application of all the natural sciences. In particular, CCS strives to model and develop integrated computational environments and crosscutting tools which allow a comprehensive, cross-disciplinary approach to problem-solving. The CCS contributes to the state of Mississippi in numerous ways. Firstly, this program generates a better-educated populace and a better-trained work force by educating students at both the undergraduate and graduate levels in interdisciplinary research, providing them with strong skills in computers, modeling, and the application of the scientific method. These skills are required in a multitude of varied industries and businesses. Secondly, the CCS introduces MSU scientists from diverse fields to different research and new methodologies. This uniquely positions our scientists to fashion multidisciplinary proposals. Such multidisciplinary approaches to problem-solving are often requirements in requests for proposals from federal agencies and industries. CCS thus creates new opportunities for leveraging resources within MSU as well as drawing resources to MSU.

Ratnasingham Shivaji, Ph.D., Director

THE COBB INSTITUTE of ARCHAEOLOGY

Office: Cobb Institute Building

<http://www.cobb.msstate.edu>

The Cobb Institute of Archaeology was founded in July, 1971, at Mississippi State University by Mr. Cully A. Cobb (Class of 1908) and Mrs. Lois Dowdle Cobb, for instruction and research in Archaeology with emphasis upon the origins of Western European Civilization and the

Indians of the South, particularly Mississippi. The Institute was endowed by the Cobbs to complement the university's activities in archaeological instruction, research and service.

The Institute provides active support for the instructional program in archaeology offered through the Department of Sociology, Anthropology and Social Work and the Department of Philosophy and Religion. Research and field work are actively pursued, primarily in the Middle East and the Southeastern United States. The Institute actively supports an archaeological field school offered in alternate summers in the Middle East and Mississippi. The Institute is housed in two specially designed archaeological buildings which include classrooms, archaeological laboratories, environmentally controlled artifact storage areas, and a museum in which archaeological exhibits are made available to students and the public.

Joe D. Seger, Ph.D. Director

INSTITUTE for the HUMANITIES

Office: 209 Allen Hall

In order to organize the scholarly activities in the area of the humanities, the Institute for the Humanities (IH) has been established. Support for scholarly work in the humanities has been obtained from the National Endowment for the Humanities, from the Mississippi State University Development Foundation, and from private sources. Staff members have been authors of books and articles and have presented papers at meetings of learned societies.

The research staff consists of four faculty members from the departments of Art, Communication, English, Foreign Languages, History, and Philosophy and Religion.

Donald J. Mabry, Ph.D., Director

THE JOHN C. STENNIS INSTITUTE of GOVERNMENT

Office: The Depot Building
<http://www.sig.msstate.edu>

The John C. Stennis Institute of Government performs a threefold mission: (1) to enhance the efficiency and effectiveness of Mississippi State and local government through basic and applied research, training, technical assistance and service; (2) to provide technical assistance and research for both rural development in Mississippi and regional activities in the Southeast; and (3) to promote civic education and citizen involvement in the political process. The Stennis Institute's programs relating to state and local government include the State Executive Development Institute for key state officials, the Governing Institute for Mayors, and technical assistance to state agencies and local governments. The Institute's research on rural development includes an assessment of local officials' perceptions of state economic development activities. The Stennis Institute's civic education programs include participation in the Congressional Insight program, as well as a variety of state and national programs.

Funds for The Stennis Institute of Government come partially from interest on more than \$1.7 million that has been raised by the Mississippi State University Development Foundation as a memorial to Senator John C. Stennis, but primarily from grants and contracts from outside sources.

W. Martin Wiseman, Ph.D., Director

UNIVERSITY/INDUSTRY CHEMICAL RESEARCH CENTER

Office: 1115 and 3338 Hand Lab
<http://www.msstate.edu/dept/chemistry/>

The University/Industry Chemical Research Center (UICRC) began doing contract work for industries in 1982. The UICRC has the following major goals: 1) to assist Mississippi industry by performing chemical research to aid in their product development; 2) to work on chemistry related problems for any industry; 3) to teach graduate and undergraduate students techniques of industrial chemistry; 4) to help attract chemical based industry into the state; and 5) to help train B.S., M.S., and Ph.D. Chemists and attract visiting scholars and postdoctoral fellows for specific functions for industry.

The UICRC conducts grant and contract research and can work with most industries to develop mutually satisfactory agreements involving any necessary secrecy arrangements. It is also possible to work

on short or long term projects and to arrange feasibility studies before binding contracts are written.

Keith T. Mead, Director
Charles U. Pittman, Ph.D., Research Director

COLLEGE of BUSINESS and INDUSTRY

OFFICE of BUSINESS RESEARCH and SERVICES (BRS)

Office: 200 McCool Hall

The Office of Business Research and Services is the external liaison for the College of Business & Industry and provides outreach services for the University, businesses and the public, in general, through grants and contracts. Our office consists of four units, each with a distinct mission. These branches are the Division of Business Research, the Division of Business Services, Small Business Development Center, and Technology Resource Institute.

Division of Business Research (DBR) serves as the coordinating center of funded research for the College of Business and Industry and offers support services to faculty. This office is also responsible for annual publication of the Mississippi Statistical Abstract. Selected economic information for the state of Mississippi and the Southeastern United States is a valuable resource for libraries, economic development, and governmental offices across the United States and internationally.

Division of Business Services (DBS) provides training and services to the business community. Typical activities include custom-designed seminars and other consulting services for private firms, government agencies, international groups, and non-profit associations. These services are usually provided on a contractual or fee basis.

Small Business Development Center (SBDC) provides counseling in Oktibbeha County and surrounding counties to people who own a small business or are interested in starting one. The SBDC assists small businesses through direct counseling, training, and community planning. Charges are minimal or non-existent.

Technology Resource Institute (TRI) promotes university public/private partnership that will enhance economic development throughout the state. Services provided include assistance with business analysis or planning; production, marketing or finance solutions; research projects; feasibility studies; and community planning. TRI serves as liaison with appropriate faculty or service agencies and assists in resolving business issues.

Lynne D. Richardson, Ph.D., Dean
G. Stephen Taylor, Ph.D., Director Technology Resource Institute
Thomas M. Adkins, External Liaison, Resource Referral Center
R.S. "Sonny" Fisher, Director, Small Business Development Center

COLLEGE of EDUCATION

BUREAU of EDUCATIONAL RESEARCH and EVALUATION

Office: 328 Allen

The Bureau of Educational Research and Evaluation (BERE) was authorized by the Board of Trustees in the Spring of 1966. This research organization is an integral part of the College of Education and is a cooperating unit of the MSU Office of Research.

The major functions of the Bureau are:

1. To engage in basic and applied research pertaining to all phases of education.
2. To consult with faculty and students about problems of research design and analysis.
3. To provide aid in dissemination of research findings.
4. To assist faculty/staff in the development of proposals for research and program development in the College of Education.

Iva. B. Ballard

CENTER for EDUCATIONAL PARTNERSHIPS (CEP)

400 Morrill Road

The Center for Educational Partnerships is an integral part of the College of Education, functioning as a facilitator of technical and sup-

port services to the public school districts of Mississippi.

Major functions of the Center include:

1. Providing administrative support for the Program for Research and Evaluation of Public Schools, Inc (PREPS, Inc.) PREPS is a private nonprofit consortium composed of 88 public school districts.
 2. Providing administrative support for the Mississippi Writing/Thinking Institute. The Institute is a state-wide project chartered by the National Writing Project.
 3. Providing administrative support for the World Class Teaching Project. The Project is a state-wide initiative intended to support the certification of Mississippi teachers through the National Board of Professional Teaching Standards.
 4. Providing administrative support for the America Reads - Mississippi Project. This project is intended to support and enhance the reading performance of elementary students in participating schools located in the State's 14 Level 1 accredited school districts.
 5. Providing administrative support for the Educational Design Institute. This project focuses on improving the educational design of education facilities and offering educational planning consultation and other services to school districts.
 6. Administering the Mississippi Superintendent Mentor Program. The Mentor program provides training and consultation for newly selected Mississippi school superintendents.
 7. Providing assistance in the development of a National Center for the Community College.
- Cynthia Ward, Ed.D., Executive Director

REHABILITATION RESEARCH and TRAINING CENTER on BLINDNESS and LOW VISION

Office: 150 Industrial Education Building
<http://www.blind.msstate.edu>

The Rehabilitation Research and Training Center (RRTC) on Blindness and Low Vision was established in 1981 at Mississippi State University to serve all states and territories of the U.S. It is cooperatively sponsored by the National Institute on Disability and Rehabilitation Research (NIDRR) and the College of Education. The mission of this National Center is to enhance employment and independent living outcomes for individuals who are blind or visually impaired through research, training, education, and dissemination. The programs of the RRTC are based on the two following assumptions:

1. All blind and severely visually impaired people have a right to work at a wage comparable with non-disabled persons and in careers which provide satisfaction and opportunity for advancement and;
2. Many persons who are blind or visually impaired may obtain satisfying gainful employment through the utilization of findings and products produced by research and training programs.

Brenda Cavanaugh, Ph.D., CRC, Interim Director and Research Professor

COLLEGE of ENGINEERING

CENTER FOR DoD PROGRAMMING ENVIRONMENT and TRAINING (PET)

Office: 2 Research Boulevard

The Programming Environment and Training (PET) activity is responsible for gathering and deploying the best ideas, algorithms, and software tools emerging from the national high performance-computing infrastructure into the DoD user community as part of the DoD High Performance Computing Modernization Program. MSU is the prime contractor for a university/industry team in this effort which falls under the Service portion of MSU's tripartite mission.

The PET contract marshals bold and innovative university/industry/government expertise to provide the essential user support that is necessary to address the wide variety of research and development demands arising from the science/technology and test/evaluation programs supporting DoD's weapons development and war fighting support systems.

MSU's leadership partner in the PET effort is the Ohio Supercomputer Center. Other members of the MSU-led coalition include the Uni-

versity of Texas, the University of Tennessee, the University of Alabama at Birmingham, the University of Hawaii, Computer Sciences Corp, and SAIC.

Joe Thompson, Ph.D., Director

INSTITUTE FOR CLEAN ENERGY TECHNOLOGY (ICET)

Office: 205 Research Boulevard
<http://www.icet.msstate.edu>

The Institute for Clean Energy Technology (ICET) at Mississippi State University is a multidisciplinary group of scientists and engineers focused on improving process efficiency, resource recovery, and life-cycle/environmental impacts of energy systems. The recent change in name to ICET from the Diagnostic Instrumentation and Analysis Laboratory (DIAL) is reflective of the university's recognition that the mission of the unit has expanded to serve as a bridge between basic science and large scale engineering applications for sustainable energy systems. This includes solving important problems in energy, the environment, industrial processes, and infrastructure.

Since 1979, this unit has established a tradition of excellence in characterization science and engineering. The original mission of the unit was to enhance its customers' performance through characterization (including advanced imaging and laser-based techniques). Current initiatives within the expanded scope at ICET includes processing legacy waste within the US Department of Energy's national security complex, solutions to greenhouse gas emissions, conventional and alternative energy sources and technologies, environmental monitoring and remediation, and robust instrumentation to characterize difficult real-world environments. ICET is at the forefront of developing advanced diagnostic technologies.

ICET's research results and partnerships with industry are designed to enhance economic development. The Institute offers students non-traditional educational experiences through a multidisciplinary approach to research.

Roger L. King, Ph. D., P.E., Interim Director
Charles A. Waggoner, Ph. D., Deputy Director

HIGH PERFORMANCE COMPUTING COLLABORATORY (HPC²)

Office: 2 Research Boulevard
<http://www.hpc.msstate.edu>

The High Performance Computing Collaboratory (HPC²), an evolution of the MSU NSF Engineering Research Center for Computational Field Simulation, at Mississippi State University is a coalition of member centers and groups that share a common core objective of advancing the state-of-the-art in computational science and engineering using high performance computing. Members share a common approach to research that embraces a multi-disciplinary, team-oriented concept, and a commitment to a full partnership between education, research and service. The mission is to serve the university, state and nation through excellence in computational science and engineering.

The HPC² is comprised of five independent centers with the common characteristics of a multi-disciplinary, team-oriented effort that is strategically involved in the application and advancement of computational science and engineering using high performance computing.

Center for Advanced Vehicular Systems (CAVS)

Center for Computational Sciences (CCS)

Center for DoD Programming Environment and Training (PET)

Computational Simulation and Design Center (SimCenter)

GeoResources Institute (GRI)

The HPC² mission is to serve the University, State, and Nation through excellence in computational science and engineering. Our goal is to become the nation's premier interdisciplinary high-performance computing research facility.

David Marcum, Ph.D., Director, Computational Simulation and Design Center

Randall German, Director, Center for Advanced Vehicular Systems

Ratnasingham Shivaji, Ph.D., Director, Center for Computational Sciences

Joe F. Thompson, Ph.D., Director, Center for DoD Programming Environment and Training

David Shaw, Ph.D., Director, GeoResources Institute

COMPUTATIONAL SIMULATION and DESIGN CENTER (SIMCENTER)

Office: 2 Research Boulevard
http://www.simcenter.msstate.edu

The mission of the Computational Simulation and Design Center (SimCenter) is to serve Mississippi State University, U.S. government and industry through research and development of advanced computational modeling, simulation and design of physical systems to solve real world problems.

The SimCenter was formed in July of 2000 as part of the Engineering Research Center (ERC, now HPC²) within the College of Engineering at MSU. The SimCenter was formerly the Computational Fluid Dynamics Laboratory at MSU's National Science Foundation Engineering Research Center. Its research advanced the NSF ERC mission by reducing the time and cost required for complex field simulations of increased fidelity and scope for practical engineering analysis and design problems using high-performance computing. This achievement was made possible by advances in unstructured grid generation, accurate solution algorithms, scalable parallel computing, large-scale solution visualization, design optimization algorithms, user interfaces, and fully integrated simulation and design systems.

The SimCenter has conducted modeling and simulation demonstrations of this advanced technology for design and analysis of submarines, surface ships, rotary and fixed-wing aircraft, launch vehicles, tactical missiles, automobiles, turbomachinery and blood pumps for sponsors such as DoD, NASA, Nissan and many others. The SimCenter has a critical mass of computational research, development, and application specialists who comprise a focused multidisciplinary team. This team will continue to leverage basic and applied research and education in computational engineering to develop new enabling technology for computational modeling, simulation, analysis and design.

David Marcum, Ph.D., Director
Montgomery Hughson, Ph.D., Deputy Director

EMERGING MATERIALS RESEARCH LABORATORY (EMRL)

Office: 412 Simrall Engineering Building

The Emerging Materials Research Laboratory (EMRL), a unit within the Department of Electrical and Computer Engineering, was established to serve as a center of development in the State of Mississippi in the field of wide-bandgap semiconductor technology. This exciting field is where the next generation of advanced semiconductor devices will be developed, and EMRL will ensure that the State of Mississippi plays an active role in this important field of research.

The Emerging Materials Research Laboratory is housed in a class 10,000 clean room with class 1,000 work stations. The principal equipment of EMRL is a high-temperature, RF-induction-heated Chemical Vapor Deposition (CVD) system for growing state-of-the-art single-crystal silicon carbide. Materials characterization capabilities include electrical characterization and photoluminescence spectroscopy.

Michael S. Mazzola, Ph.D., Director

GLOBAL CENTER for DESICCANT TECHNOLOGY (GCDT)

Office: 210 Carpenter Engineering Building

The Global Center for Desiccant technology is a partnership of equipment manufacturers, users, utilities, and academe to foster research, development, validation, design, and applications of gas-fired desiccant technology. The Center will pursue desiccant topics collectively funded by affiliates and will make such information available to the HVAC industry. Additionally, research into topics of a proprietary nature and equipment testing with confidentially maintained are possible by contract with individual sponsors.

B. Keith Hodge, Ph.D., Director

HIGH VOLTAGE LABORATORY (HVL)

Office: 115 Simrall Engineering Building

The Mississippi State University High Voltage Laboratory is part of the Department of Electrical and Computer Engineering and serves as an independent, non-industrial, university center for high voltage engineering. The mission of the High Voltage Laboratory includes research, evaluation/testing, and education activities. The principal objective of this

laboratory is to meet the research and evaluation/testing needs of industry, utilities, and government, and to provide the necessary environment for an academic program associated with high voltage engineering.

The main laboratory of the High Voltage Laboratory is the largest high voltage laboratory among North American universities. This unique laboratory is comparable in size to many industrial facilities and is equipped with the following energy sources: 3000kV, 57kJ lightning/switching impulse generator; 60Hz, 1000kV, 1000 kVA conventional test transformer, 100kV, 150kV and 250kV transformer test sets; a 1050kV, 7kW dc test set; high frequency pulse generator, 20-40 kHz, +/-3600V, 200°C.

Current research projects include: lightning protection of electrical power transmission and distribution lines and substations; lightning protection of marine vehicles and other objects; an electrical breakdown mechanism in high voltage polymer insulation; lightning impulse performance of composite insulation; electrical degradation of high voltage polymer insulators and cables.

The High Voltage Laboratory offers short courses in the area of high voltage engineering. The lecturers at the short courses are recognized as experts in their field of high voltage engineering. They are from the U.S. as well as internationally-recognized institutions and industries.

S. Grzybowski, Ph.D., Director

INDUSTRIAL ASSESSMENT CENTER (IAC)

Office: 210 Carpenter Engineering Building

The primary mission of the Industrial Assessment Center is to serve the energy-related needs of small and medium-sized manufacturers within a geographic radius of approximately 150 miles of the Mississippi State University Campus. This is accomplished by analyzing the operating characteristics and energy requirements of manufacturing facilities to identify and recommend specific opportunities to conserve energy and/or utilize alternate energy sources, to improve productivity and minimize waste production, and to report the findings to the manufacturer together with estimates of their implementation costs, payback periods, and returns on investment. The Center fulfills its mission through site visits to plants which are carried out by the Center director or student teams under the supervision of the assistant director.

B. Keith Hodge, Ph.D., Director
Mary C. Emplincourt, M.S., Assistant Director

MISSISSIPPI CENTER for ADVANCED SEMICONDUCTOR PROTOTYPING (MCASP)

Office: 103 Edwards Laboratory

The Mississippi Center for Advanced Semiconductor Prototyping (MCASP), a unit within the Center for Advanced Vehicular Systems, was established in 1999 to serve as a prototyping laboratory serving both government and private industry for wide-bandgap semiconductor devices. Mississippi State University is a leader in wide-bandgap Silicon Carbide technology, and MCASP helps to move this important new semiconductor technology from the research laboratory to the military and commercial sectors.

MCASP is temporarily housed in the Edwards Laboratory, a stand-alone facility on the east side of the MSU campus, while a new facility is being constructed in the Mississippi Research and Technology Park, just north of the MSU campus. The principal equipment of MCASP is a Chemical Vapor Deposition system for growing state-of-the-art epitaxial semiconductor layers, Lam 9900 Plasma Enhanced Chemical Vapor Deposition System, Lam 9400 Inductively Coupled Plasma Etching System, Varian E-Beam Deposition System, Hitachi 808C Electron Microscope, a GCA 630B Wafer Stepper, and a fully automated Keithley Semiconductor Test and Characterization system. MCASP maintains active collaborations with industry, government, and academia world wide. Further information is available at www.mcasp.msstate.edu or by calling (662) 325-2500.

Michael Mazzola, Ph.D., Director

MISSISSIPPI ENERGY RESEARCH CENTER (MERC)

Office: 210 Carpenter Engineering Building

Sponsored by the Division of Energy within the Mississippi Economic and Development Authority, the purpose of the Mississippi Energy Research Center is to develop, implement and coordinate energy and energy related research programs in Mississippi. This mission is ac-

completed by developing appropriate policies and procedures (a) for identification of priority research problems (b) for collaborating with local and state government agencies, utilities, industry, other universities, federal government agencies and the Legislature in the formation of their research programs (c) for selection of projects to be funded; and (d) for the transfer of technology which is produced by the research.

B. Keith Hodge, Ph.D. Director

RASPET FLIGHT RESEARCH LABORATORY (RFRL)

Office: Aerospace Technology & Development Building (ATD)

The Raspet Flight Research Laboratory (RFRL) is one of the premier university flight research facilities in the country. Established at Mississippi State University over 50 years ago by Dr. August Raspet, this aeronautical research laboratory possesses a rich heritage in full-scale flight vehicle development and test, advanced composites development and fabrication, computer controlled manufacturing, and test of prototype composite applications. The RFRL is an integral part of the Department of Aerospace Engineering. In addition to externally funded research, the RFRL has historically made significant contributions to the educational goals of the department and the University as a superior training ground and research facility for MSU students at the graduate and undergraduate level. Among universities engaged in aeronautical research, the RFRL is distinguished as one of the very few with the capability to design, build, and test prototypes of full-scale manned and unmanned aircraft. The RFRL has engaged in a broad spectrum of composite prototyping and flight test activities over the past years to include development and fabrication of the first turbine powered composite aircraft, the first all-graphite turboprop business jet (Honda UA-5 1989), a close range UAV for Westinghouse (1990), a one-third-scale mock-up of X-30 National AeroSpace Plane (NASP) (1992) and a series of LoFlyte wind tunnel models (1994). Currently RFRL is focusing on the Unmanned Aerial Vehicle (UAV) area and is developing an Ultra Light UAV sensor platform. The RFRL also plays a major role in meeting department and university goals in the area of economic development.

DIVISION of AGRICULTURE, FORESTRY, and VETERINARY MEDICINE

BIOMEDICAL RESEARCH CENTER

The Biomedical Research Center, established in FY 1994 focuses on use of animal models for new and advanced areas of technology; such as, for bone regeneration and repair, for testing dietary fiber substitutes, for active compounds for human dietary substitutes, for periodontal disease, and for osteoporosis. The Center also collaborates in its research efforts with major biomedical and pharmaceutical firms developing and evaluating new products and technology for human health care. This research will lead to the commercialization of drugs that contribute to the quality of life for middle-age and geriatric people. In addition, the BRC has tested dietary substitutes that have anti-cancer and cardiovascular benefits. Appropriate new animal models are developed and standardized in the area of drug evaluation.

J. Gregg Boring, DVM, Director, boring@cvm.msstate.edu

CENTER for ENVIRONMENTAL HEALTH SCIENCES

Office: r1102 Wise Center
<http://www.cvm.msstate.edu/cehs/index.htm>

The Center for Environmental Health Sciences provides a research focus for university activities directed towards maintaining and improving the quality of environmental health in Mississippi, the nation, and the world. Its goal is to facilitate the development, implementation, and administration of focused and of multi-disciplinary efforts in research and training in the areas of environmental health, with primary consideration of human health impacts. One of the primary focus areas in environmental health is discerning the effects of environmentally relevant chemicals on organisms, and, conversely, the effects that organisms have on these chemicals. The Center provides an interdisciplinary mechanism for uniting researchers from different MSU administrative units to work on common problems which require interdisciplinary solutions. Participants have appointments in the College of Veterinary Medicine, the College of Arts and Sciences and the Mississippi Agricultural and For-

estry Experiment Station. Major disciplines represented are biochemical toxicology, neurotoxicology, cardiovascular toxicology, immunotoxicology, analytical chemistry, water quality and computational toxicology. The Center unites MSU faculty members with appropriate expertise into teams which can respond to environment health issues when general or specific needs arise.

Janice E. Chambers, Ph.D., D.A.B.T., A.T.S., Director

D. SERVICE UNITS

FLOW CYTOMETRY FACILITY

Office: Wise Complex, Room R2217

The Flow Cytometry Facility is a University-wide facility supported by the College of Veterinary Medicine. The facility has a two-fold purpose of providing flow cytometry support of scientists at Mississippi State University and consultation on research problems involving flow cytometry. The facility is staffed by two trained technicians.

Lesya Pinchuk, M.D., Ph.D., Director

OTHER UNITS

FOOD SCIENCE INSTITUTE

Office: 105 Herzer
<http://www.dafvm.msstate.edu/foodsci/>

The Food Science Institute was authorized by the Board of Trustees of the Institution of Higher Learning in 1968 and designated as the "Flag-ship" for food related issues in Mississippi. The Institute, located within the Division of Agriculture, Forestry and Veterinary Medicine, is composed of numerous faculty from various departments to address the many issues related to the broad area food science. The general area of Food Science encompasses food safety, value-added processing, culinary innovation, nutrition, health promotion, food marketing sensory analysis, food engineering and food entrepreneurship. Both undergraduate and graduate programs including Master of Science and Doctor of Philosophy programs are available in the department of Food Science, Nutrition and Health Promotion. Research and Extension programs span numerous departments and disciplines including, but not limited to: Animal and Dairy Sciences, Agricultural and Biological Engineering, Agricultural Economics, Food Science, Nutrition and Health Promotion, Plant and Soil Sciences, Microbiology, Aquaculture, and Poultry Science.

The major goals of the Food Science Institute are:

- 1) Stimulate and coordinate new innovative fundamental and application research and technology transfer in food science.
- 2) Serve as an economic engine for the state with constant industry interaction to enhance cutting edge technology adoption.
- 3) Assist faculty and staff in exploring opportunistic research areas with associated extramural funding potential.
- 4) Be recognized by the industry, regulatory agencies and academia as the leader in food science related matters in the southeast.

William Benjy Mikel, Ph.D., Director

THE MISSISSIPPI QUARTERLY

Office: 213 Lee Hall
<http://www.missq.msstate.edu>

The Mississippi Quarterly is a publication of the College of Arts and Sciences and the Office of Research. Founded in 1948, it is a refereed, scholarly journal which publishes articles on the life and culture of the South, past and present. In addition to the four regular issues, the journal publishes an online "Checklist of Scholarship on Southern Literature."

Noel Polk, Ph.D., Editor

Laura E. West, MLS, Managing Editor

OFFICE of the STATE CLIMATOLOGIST

Office: 201 Hilbun Hall

<http://www.msstate.edu/dept/geosciences/stateclimatologist.htm>

A State Climatologist for Mississippi was appointed in the Department of Geosciences at MSU in 1983. The State Climatologist serves as the focal point for climatic information and analysis within the state. The State Climatologist communicates data and information, performs research, and monitors current climate conditions and places events in historical perspective. The State Climatologist in Mississippi has the distinction of being an American Association of State Climatologists-Recognized State Climate Office.

Charles L. Wax, Ph.D., State Climatologist for Mississippi

MISSISSIPPI DEPARTMENT of AGRICULTURE and COMMERCE - BUREAU of PLANT INDUSTRYOffice: Mississippi Department of Agriculture and Commerce Building on Stone Boulevard
<http://www.mdac.state.ms.us>

The Bureau of Plant Industry is a division of the Mississippi Department of Agriculture and Commerce.

The Bureau is established under the Mississippi Plant Act, Sections 69-25-1 through 69-25-47, Mississippi Code 1972, and is responsible for protecting the agricultural and horticultural interests of the state from the introduction into and dissemination within the state of injurious insects and plant diseases. The Bureau of Plant Industry is the Plant Protection and Quarantine Division of the Mississippi Department of Agriculture and Commerce. An Advisory Board is established by law to advise the Commissioner of Agriculture on matters regarding the Bureau, especially in adopting rules and regulations.

The Bureau is responsible for administration and enforcement of:

1. The Mississippi Plant Act, - Sections 69-25-1 through 69-25-47.
2. Regulation of Professional Services - Sections 69-19-1 through 69-19-11.
3. Mississippi Pesticide Law - Sections 69-23-1 through Sections 69-23-27.
4. Mississippi Pesticide Application Act - Sections 69-23-101 through 69-23-133.
5. Crop Spraying and Licensing of Aerial Applicators - Sections 69-21-1 through 69-21-27.
6. Mississippi Boll Weevil Management Act - Sections 69-37-1 through 69-37-33.
7. Mississippi Bee Disease Act - Sections 69-25-101 through 65-25-109.
8. Mississippi Commercial Feed Law, - Sections 75-45-151 through 75-45-195.
9. Mississippi Pure Seed Law, - Sections 69-3-1 through 69-3-27.
10. Mississippi Fertilizer Law, - Sections 75-47-1 through 75-47-39.
11. Mississippi Soil and Plant Amendment Law, - Sections 69-24-1 through 69-24-27
12. Mississippi Agricultural Liming Materials Act, - Sections 69-39-1 through 69-39-19.

Headquarters Staff:

Michael D. Tagert, M.S., Director
 Harry Fulton, M.S., State Entomologist and Apiarist
 Butch Alpe, B.S., Deputy Director
 Tommy McDaniel, M.S., Director, Pesticide Division
 Benny Graves, M.S., Director, Plant Pest Division
 Fabian Watts, M.S., Director, Seed Division
 Harry Ballard, M.S., Branch Director, Feed and Fertilizer & Lime
 Steve Moore, M.S., Branch Director, Pesticide Registrations
 Kenneth Calcote, B.S. Branch Director, USDA Programs
 Denise Clanton, B.S., Branch Director, Boll Weevil Program

MISSISSIPPI STATE CLIMATOLOGY LABORATORY

Office: 314 Hilbun Hall

The MSU Climatology Laboratory is the focal point of the Broadcast and Professional Meteorology Programs within the Department of Geosciences. The Climatology Lab is equipped with state-of-the-art meteorological hardware and software systems in support of the teaching, research, and service missions of the department. In support of our broadcast component, the laboratory houses WSI, Weather Central, and Accuweather graphics production machines a Baron Radar system as well as a full digital studio with linear and non-linear editing capabilities. Daily weather forecasts developed in the Climatology Lab are disseminated through WMSV (FM 91.1), Bulldog Weather (Local TV-18), WOBV-TV (Starkville), and through live "webcasts" (<http://www.ms-state.edu/dept/geosciences/webcast.htm>).

The Climatology Lab also serves as a base of operations for the North Mississippi Severe Storms Intercept Team. Members of this group are highly trained operational meteorology students who pursue severe local storms in order to provide the National Weather Service and local community with the most up-to-date severe weather information.

Recent research supported by the Climatology Lab includes topics in Climatic Impacts on Mississippi Agriculture, Suicide and Climate, Population Biases Associated with Tornado Events, The Role of the Earth's Surface on Climate, and a Thermodynamic Climatology of SE Tornado Events. The Climatology Lab also supports the Office of the State Climatologist and is opened on a limited basis to tour groups.

MISSISSIPPI STATE SEED TESTING LABORATORY

The State Seed Testing Laboratory is a facility operated by the State Department of Agriculture in cooperation with Mississippi State University. Its primary function is to test official seed samples submitted by inspectors of the State Department of Agriculture in connection with the enforcement of the Mississippi Pure Seed Law. The laboratory also serves as the official testing laboratory for the Mississippi Seed Improvement Association.

In addition, the laboratory operates as a service department for farmers and seed merchants. Seeds submitted for analysis are tested for purity, germination and noxious weeds. Seed merchants are charged a nominal fee. Resident farmers are entitled to have one sample of each kind tested free in any calendar year, but for each additional sample a small fee is charged.

The State Seed Testing Laboratory is in the Mississippi Department of Agriculture and Commerce Building on the west side of Stone Boulevard along with the Division of Plant Industry.

Fabian Watts, M.S., Director/Seed Division

**USDA AGRICULTURAL RESEARCH SERVICE
Southern Insect Management Research Unit**

The mission of the Integrated Pest Management Research Unit is to expand the knowledge of the biology of various cotton insects and turn this knowledge into sound, profitable technology for detecting, estimating, suppressing or eradicating populations of pest species. In the technologies developed, a major emphasis is placed on alternative control methods that avoid dependence on pesticides alone. The current program is in keeping with the ARS position on Integrated Pest Management.

Eric J. Villavaso, Ph.D., Research Entomologist

USDA CROP SCIENCE RESEARCH LABORATORY

In the Crop Science Research Laboratory of the U. S. Department of Agriculture basic and applied research is conducted by scientists representing many scientific disciplines. The major objectives of the research programs are to provide increased crop production with greater efficiency by developing cropping systems, pest resistant strains with improved agronomic traits, and decision-making models to reduce costs and conserve natural resources.

Major research lines include corn host plant resistance, genetics and precision agriculture, waste management and forage research.

Johnie N. Jenkins, B.S., M.S., Ph.D., Director

USDA SOUTHERN RESEARCH STATION

Two research units of the Southern Research Station, U.S. Department of Agriculture, Forest Service, are located in the Forestry Sciences Laboratory, 201 Lincoln Green, in the southwest portion of the campus, and one in the Forestry Building. Basic and applied research on the physiology and technology of seeds of forest tree species is conducted by the staff of the Tree Seed Project. The Forestry Inventory and Analysis Unit Personnel conduct the continuing forest resources survey for the mid-south states. The Wood Products Insect Research Unit personnel conduct basic and applied research on termites.

Center for Bottomland Hardwoods Research - Seed Research

J. A. Vozzo, Ph.D., Plant Physiologist

Forest Inventory and Analysis

David V. Few, B.S., Supervisory Forester

Wood Products Insect Research

Terence L. Wagner, Ph.D., Supervisory Research Entomologist;
Project Leader

USDA SOUTH CENTRAL POULTRY RESEARCH LABORATORY

The South Central Poultry Research Laboratory of the U.S. Department of Agriculture was dedicated May 29, 1965. Located on the west side of the campus on Spring Street, it is a center for the study of disease, environmental, and waste management factors that affect the poultry industry. Research facilities include the office-laboratory building, environmental chambers, disease isolation units and seven poultry research houses. The research is being conducted by specialists in the fields of Engineering, Molecular Biology, Poultry Science, and Veterinary Science of Agricultural Research Service, U.S.D.A., in cooperation with Mississippi State University and other interested universities.

Scott L. Branton, D.V.M., Ph.D, Veterinary Medical Officer;
Research Leader

USDA/APHIS/WS NATIONAL WILDLIFE RESEARCH CENTER

103 Scales Building

The National Wildlife Research Center (NWRC) is the research arm of the Wildlife Services program of the U.S. Department of Agriculture/Animal and Plant Health Inspection Service. NWRC is the U.S. federal organization responsible for conducting research to resolve conflicts between humans and wildlife. The NWRC Mississippi field station was established by Congressional mandate in 1988 to develop methods for reducing bird depredations at aquaculture farms in the southern United States. Personnel at the NWRC Mississippi field station study the biology, impact, and management of a variety of captive and free-ranging avian species, including cormorants, pelicans, and wading birds.

Scott Barras, Ph.D., Project Leader/Supervisory Wildlife Biologist

USDA/APHIS/ WILDLIFE SERVICES

200 Thompson Hall

The U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Wildlife Services (WS) program is legislatively mandated to provide assistance in the prevention and control of wildlife damage. WS programs are directed toward the protection of agriculture, property, industrial resources, and public health and safety, and natural resources. Services include technical assistance or direct operational control. Technical assistance consists of advice, recommendations, training, information transfer, or materials provided to others for the resolution of problems. In contrast, direct operational control activities are conducted by WS personnel through cooperative wildlife damage management programs. These two types of assistance are available upon request to individuals or government agencies.

Kris Godwin, M.S., State Director, kris.godwin@aphis.usda.gov

UNIVERSITY PRESS of MISSISSIPPI

The University Press of Mississippi was founded in 1970 to encourage the dissemination of the results of research and study through the publication of scholarly works. Functioning as the scholarly publishing arm of the state-supported universities in Mississippi, the University Press is governed by a Board of Directors made up of two representatives from each of the eight state universities, one representative from the Board of Trustees of Institutions of Higher Learning, and the director of the Press, ex officio.

The University Press normally publishes approximately 50 books each year. Primary areas of interest are Mississippi history, literature, and culture, but manuscripts in all areas of study are welcomed.

Administrative offices of the University Press are located in the Education and Research Center of Mississippi, 3825 Ridgewood Road, Jackson, Mississippi.