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MU NEWSLETTER

MARSHALL UNIVERSITY • OFFICE OF UNIVERSITY RELATIONS • HUNTINGTON, WEST VIRGINIA 25755 • September 14, 1995

CEGAS gets \$800,000 to develop incubator

Marshall University's Center for Environmental, Geotechnical and Applied Sciences has received an \$800,000 grant from the U.S. Department of Commerce Economic Development Administration to establish an industrial/business "incubator without walls," according to Dr. James W. Hooper, director of the center.

Hooper said the program will focus on environmental issues companies must deal with and the business opportunities that arise from environmental emphasis and regulations.

Marshall will provide \$300,000 in matching funds in the form of salaries and physical facilities to make the total budget of the 18-month project \$1.1 million.

The incubator is expected to help retain existing jobs in the area and attract new jobs.

"Our first major activity will be the formulation of a long-term strategy for sustainable development in environmental management and technology," said Hooper. "In developing this strategy,

personnel from the center will conduct interviews and forums to help determine what resources are needed by regional businesses and industries in coping with environmental issues. Emphasis also will be placed on identifying environmentally based opportunities for business development and expansion in the region."

On the basis of the center's research, an environmental industrial/business incubator will be established. "The incubator is being designed on the 'without walls' concept," explained Hooper. "Our intent is to provide information, training and support services for existing and start-up companies through computer-based on-line environmental databases and reference materials."

Consulting services and training programs will be developed to help area companies better cope with technological, economic and legal aspects of current and future environmental issues.

Hooper said the MU Environmental Center already has considerable strengths in geographic information systems that will be enhanced by the incubator and its programs.

Training topics will be based on need and are expected to include introductory environmental concepts, the establishment and operation of an environmental program and environmental regulations.

Additional space is being provided to the Environmental Center in Marshall's Gullickson Hall where a state-of-the-art training facility and environmental information library will be developed.

"This is an extremely important subject that you will hear about more and more in the future," said Marshall President J. Wade Gilley. "Environmental issues are becoming very complicated and can have a tremendous impact on the establishment of new businesses and the success or failure of existing businesses. I believe this program will have profound benefits for industry and potential new business ventures.

"This project fits in well with the goals and mission of our

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\$300,000 grant will be used for diabetes project

Armed with a \$300,000 grant from the Claude Worthington Benedum Foundation, Marshall University has launched a multi-front attack on one of West Virginia's leading killers: diabetes.

Called the Appalachian Diabetes Health Promotion Network, the project is developing model education and outreach programs in Cabell, Wayne, Lincoln and Mason counties. Its co-directors are Dr. Lynne Welch, dean of Marshall's School of Nursing, and Dr. Richard Crespo, associate professor of family and community health.

West Virginia ranks sixth nationally in diabetes deaths. The disease is the leading cause of adult blindness in the state, and accounts for more than 40 percent of all non-accident-related leg or foot amputations. By the age of 65, more than one-fourth of West Virginians are estimated to be affected by it.

The key to reducing diabetes and its complications, Welch and Crespo believe, is to combine the efforts of patients, providers, educators and health officials. Their goal is to make rural residents partners in diabetes prevention and management, and to provide better training and support for health professionals. Once developed, this system will be able to serve as a model for other Appalachian regions.

In each of the participating counties, the project is building community-based coalitions that draw on the leadership of people with diabetes. Through the Benedum project, Marshall is helping the groups develop prevention programs and train lay diabetes health workers.

"These lay health workers are pivotal," Crespo said. "When people need to change their basic at-home behavior, as you need to with diabetes, peers often can help them more effectively than doctors and nurses can."

By the time the project ends in 1998, each of the target counties will have at least one community-based coalition sponsoring

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Fall yard sale scheduled

The fall sale of surplus university equipment and supplies will be held the week of Oct. 16, according to William J. Shondel, director of purchasing and materials management.

Departments that have equipment and supplies to sell should contact Carol Skaggs, manager of central receiving, 696-6678, to coordinate tagging and pick up by Plant Operations.

All material will be on display for faculty, staff, and students and the general public from 8 a.m. to 5:30 p.m. Monday and Tuesday, Oct. 16-17, at Sorrell Maintenance Building located at 20th Street and Third Avenue. All items will be sold "as is-where is" with no guarantee as to condition.

Written bids will be accepted from interested individuals until 8 a.m. on Wednesday, Oct. 18, when the bids will be sorted and tabulated in the Purchasing Office.

Individuals with the highest bids will be contacted by telephone and expected to pay for and pick up purchases by 4 p.m. on Friday, Oct. 20.

Opportunities for study abroad will be discussed

A Study Abroad Fair will be held at Marshall University Wednesday, Sept. 20, from 11 a.m. to 3 p.m. in the lobby of Memorial Student Center.

The purpose of the fair is to offer information to students interested in academic study abroad, according to Dr. Clair W. Matz, study abroad adviser in Marshall's Center for International Programs.

Dr. Michael Strada, professor of political science at West Liberty State College and West Virginia University, will attend the fair to explain the International Student Exchange Program (ISEP) that is considered the most economical way to earn academic credit abroad.

Two Marshall students, Melissa Scott of Huntington and Clint Gillespie of Clendenin, are studying in France this year through the ISEP.

Information also will be available about other programs such as Marshall University exchanges with Anglia Polytechnic University in Cambridge, England, and the summer language program in Madrid, Spain.

"This is just a preliminary step to plant the idea of study abroad in students' minds," said Matz. "We will identify a list of prospects and arrange appointments with them at a later date."

Students unable to attend the fair or people wanting further details can contact Matz in Marshall's Center for International Programs, 696-2673.

CEGAS receives \$800,000

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Center for Environmental, Geotechnical and Applied Sciences. It also is an excellent example of the emphasis the university is placing on new technologies and our desire to work with area business and industry to help the Tri-State region."

Companies and agencies interested in participating in the project or obtaining further details can contact the Center for Environmental, Geotechnical and Applied Sciences, 304-696-5453.

Diabetes project funded

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diabetes health promotion programs, under the leadership of lay diabetes health workers. Each county also will have at least one certified diabetes educator.

To improve the preparation of health professionals, Marshall is developing multidisciplinary modules on diabetes health care for training students in nursing, medicine, dietetics, social work and exercise physiology.

"Managing diabetes is very complex," said Welch. "To help each patient in the best possible way you need providers with a variety of backgrounds, skills and abilities. We want to help students understand appropriate standards of care, and also to be able to view diabetes from the patient's perspective."

Teacher nominations due

Nominations for Marshall University's Marshall and Shirley Reynolds Outstanding Teacher Award are due Friday, Sept. 22, according to Dr. Sarah Denman, associate vice president for academic affairs.

Marshall faculty, students and alumni can make nominations for the award. Eligible faculty members must be engaged in teaching and be on a full-time appointment at or above the rank of assistant professor, with at least three years of service at Marshall.

Nominations for the award, which includes a \$3,000 cash prize, can be made in a short, dated letter stating the nominee's name and department, along with reasons for making the nomination.

Legible signatures should be included on nomination letters. The selection committee cannot accept anonymous nominations.

Nominations should be sent by the Sept. 22 deadline to: The Reynolds Committee, c/o Sarah Denman, Academic Affairs Office, Old Main Room 110.

Faculty writing program to hold meeting Sept. 25

Marshall University faculty members who are preparing any kind of writing for any purpose can now receive feedback from supportive colleagues through a new project sponsored by the university's Writing Across the Curriculum (WAC) program.

The first session will be held Monday, Sept. 25, at 3 p.m. in Harris Hall Room 403.

Dr. Charles O. Lloyd, chair of the WAC Committee, said anyone preparing an article, book chapter, abstract for a presentation or draft for an article can try it out on an audience of their peers from other disciplines who will provide clarification of the work and helpful suggestions for improvement. Faculty members do not have to be involved in the WAC program to participate in the new project.

To obtain further details contact Lloyd, 696-4642.

English teachers sought

The Center for International Programs and the English as a Second Language Institute at Marshall University are offering local professionals the opportunity to teach English in China, according to Clark Egnor, director of the ESLI.

Instructors will be sent to the Henan College of Education in Zhengzhou for one or two academic years. The positions will begin in mid-October.

Interested individuals must have a baccalaureate degree in a field related to education and have approximately two years of teaching or equivalent experience.

A training program will be held at the end of September for those who need cultural and language preparation.

All expenses will be paid including round-trip airfare and accommodations. Other benefits also will be included in the China option.

"China offers many new and exciting linguistic and cultural challenges for educators," said Egnor.

To obtain further details contact Egnor at Marshall University, 304-696-6265.

Marshall faculty and staff achievements

DAVID N. BAILEY, director of continuing medical education (CME) in the School of Medicine, was an invited speaker at the CME Workshop presented by the Office of Medical Applications of Research of the National Institutes of Health of the Department of Health and Human Services held July 17 at Rockville, Md. His lecture was titled "The Evolvement of CME."

BRUCE McALLISTER, assistant professor in the Division of Health, Physical Education and Recreation, is scheduled to participate as medical coordinator and head athletic trainer in the Aquatics Division at the 1996 Olympic Games being held in Atlanta next July.

A paper titled "Fingerprinting Petroporphyrins Structures with Vibrational Spectroscopy: II. Resonance Raman Marker Bands for the Exocyclic Rings of Nickel Tetrahydrobenzoporphyrins and Nickel Cycloalkanoporphyrins" by Dr. J. GRAHAM RANKIN, assistant professor of chemistry, has been published in *Organic Geochemistry* 1995, 23 (5), 419-427. Co-authors are R.S. Czernuszewicz of the University of Houston and T.D. Lash of Illinois State University.

Dr. ROBERT P. ALEXANDER, distinguished professor of management, attended the annual West Virginia Forest Conference held July 14-15 at Canaan Valley. ALEXANDER serves as a member of the Forest Management Review Committee, the state Forest Steward Commission and the Urban Forest Committee.

Dr. TONY B. SZWILSKI, professor of environmental engineering and science, recently returned from a two-week mission to China. He was invited by the International Labour Organization (ILO) to take part in a workshop near Beijing to implement two recent ILO conventions ratified by China--the Chemicals Convention 1990 (No. 170) and the Major Industrial Accidents Convention 1993 (No. 174). The measures call for the Chinese ministries of Labor, Chemical Industries, Agriculture, Mines and Health to establish a national system for ensuring safety in the use of chemicals and major hazard control. SZWILSKI has been chief technical adviser to the ILO, United Nations, for mine health and safety in China since 1992.

Dr. ROBERT L. DINGMAN of Marshall University's Department of Counseling and Rehabilitation was the guest editor of the July issue of the *Journal of Mental Health Counseling*. The special issue was titled "Disasters and Crises: A Mental Health Counseling Perspective." DINGMAN co-authored the opening article that carried the same title as the journal and another article titled "The Mental Health Counselor's Role in Hurricane Andrew" that appeared in the issue. DINGMAN will serve as an associate editor of the journal through 1996. He recently accepted the position of chair of the Public Awareness and Support Committee for the American Counseling Association for the 1995-96 fiscal year. He served as a member of the committee during 1994-95.

Dr. GARY O. RANKIN, Dr. HSIEN C. SHIH, Dr. SUK KIL HONG, DIANNE K. ANESTIS, JOHN G. BALL and Dr. MONICA A. VALENTOVIC of the Department of Pharmacology in Marshall's School of Medicine, Dr. PATRICK I. BROWN of the Department of Anatomy in the School of Medicine and Derek W. Nicoll were co-authors of a paper titled "Role of chloride groups in the nephrotoxic potential of N-(3,5-dichlorophenyl)-2-hydroxysuccinimide, an oxidative metabolite of N-(3,5-dichlorophenyl)succinimide" that was published in *Toxicology Letters* (78: 49-56, 1995). VALENTOVIC, BROWN, RANKIN and HERNG-HSIANG LO of Marshall's Department of Pharmacology had a paper titled "3,5-Dichloroaniline toxicity in Fischer 344

rats pretreated with inhibitors and inducers of cytochrome P450" published in *Toxicology Letters* (78: 207-214, 1995).

Dr. DANNY FULKS, professor of education, presented a paper Aug. 12 to faculty and students at Southern Utah University in Cedar City during a Multicultural Education Conference sponsored by the university, the Utah Humanities Council and the Nevada Humanities Council. His paper was titled "Telling Your Story." FULKS also had a paper titled "Making Melancholia, the emotions in bluegrass music" published in the summer issue of *Now and Then*, an Appalachian journal published by East Tennessee State University. During October and November he will give readings from his book, "Tales Along the Appalachian Plateau," at Firelands College in Huron, Ohio, and other selected sites.

Dr. FRANK S. GILLIAM, professor, and Dr. JEFFREY D. MAY, associate professor, in the Department of Biological Sciences and graduate students ROBERT JARRETT, MARK FISHER, ANNE HOCKENBERRY and BRAD YURISH attended the 80th annual meeting of the Ecological Society of America held July 29 through Aug. 3 in Snowbird, Utah. GILLIAM presented a paper, co-authored by Dr. Mary Beth Adams of the USDA Forest Service at Parsons, titled "Nitrogen dynamics of a nitrogen-saturated central Appalachian hardwood forest." MAY presented a paper, co-authored by JARRETT, GILLIAM and P.J. Harmon of the West Virginia Department of Natural Resources, titled "Soil-plant interactions in a shale barren community in eastern West Virginia." JARRETT presented a poster, co-authored by GILLIAM, MAY and Harmon, titled "Population ecology of shale barren rock cress (*Arabis serotina* Steele)." FISHER presented a poster, co-authored by GILLIAM, titled "Nitrogen transformations following wetland creation in the Green Bottom Wildlife Management Area, West Virginia." HOCKENBERRY presented a poster, co-authored by GILLIAM and Adams, titled "Seasonal changes in herbaceous layer species composition and cover in hardwood stands of the Fernow Experimental Forest, West Virginia." YURISH presented a poster, co-authored by GILLIAM and Adams, titled "Seasonal changes in soil nitrogen in a nitrogen-saturated central Appalachian hardwood forest."

Dr. JOHN W. LARSEN, professor of chemistry, attended a workshop on "Theoretical and Practical Aspects of Two Dimensional NMR" held July 24 through Aug. 4 at the University of Rhode Island at Kingston. The workshop was sponsored by the National Science Foundation.

Dr. LYNNE WELCH, dean of Marshall University's School of Nursing, presented a paper titled "Setting Up a Distance Learning Degree Program: A Multi University Consortium Approach" at the fourth Multimedia in Education and Industry Conference held Aug. 4 in Asheville, N.C.

Dr. KEITH E. BARENKLAU, director of the Safety Technology Program, has been nominated for inclusion in the United States Army Field Artillery Officer Candidate School (OCS) Hall of Fame located at Fort Sill, Okla. The Hall of Fame selects graduates who reached the rank of colonel and performed exceptional achievement, either on active duty or in a combination of active duty and civilian service as a reservist. BARENKLAU's achievements in the field of industrial safety were instrumental in his nomination to the Hall of Fame. The Field Artillery OCS, founded in 1941, commissioned second lieutenants during the World War II and Korean eras. BARENKLAU graduated from the program

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Marshall faculty and staff achievements

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in 1952. He was promoted to full colonel as a reservist in 1974. He retired at that rank in 1981.

The following presentations were made by staff of the Autism Training Center at the Autism Society of America Conference held recently in Greensboro, N.C.: Dr. JENNIFER McFARLAND, associate director of training; Dr. BARBARA BECKER-COTTRILL, director, and DEBORAH C. MEREDITH, educational specialist, gave a presentation titled "Increasing the Education of Paraprofessional Staff Who Work with Children with Autism." MICHAEL FABRIZIO and WESLEY HICKMAN, education specialists, gave a presentation titled "Accessing and Evaluating Computer-Mediated Instruction for Learners with Autism." FABRIZIO and McFARLAND presented a poster titled "Using Linear Regression Analysis and Reinforcer Potentiation to Improve the Toileting Behavior of Young Children with Autism." EDDIE HARBERT, educational specialist, gave a presentation titled "The More We Get Together: Integrating the Child with Autism into the Classroom."

Dr. GARY O. RANKIN, professor and chair of the Department of Pharmacology in the School of Medicine, recently had a chapter on "Diuretics" published in the fourth edition of "Principles of Medicinal Chemistry" by William O. Foye, Thomas L. Lemke and David A. Williams.

Several Marshall faculty members had papers published in the "golden 100th volume" of Toxicology. The following were included in the 100th volume of the journal: "Cephaloridine nephrotoxicity in diabetic rats: modulation by insulin treatment" by Dr. MONICA A. VALENTOVIC and JOHN G. BALL of the Department of Pharmacology; "Effect of dimethyl sulfoxide on N-(3,5-dichlorophenyl)succinimide (NDPS) and NDPS metabolite nephrotoxicity" by Dr. GARY O. RANKIN, KELLY W. BEERS, DIANNE K. ANESTIS, JOHN G. BALL and Dr. MONICA A. VALENTOVIC of the Department of Pharmacology, Dr. PATRICK I. BROWN of the Department of Anatomy and Derek W. Nicoll; "Release of prostaglandin E2 and leukotriene C4/D4 from airway segments isolated from rats after exposure to ozone for 20 months" by Dr. JOHN L. SZAREK and Dr. MONICA A. VALENTOVIC of the Department of Pharmacology.

Dr. JOHN L. SZAREK, professor in the Department of Pharmacology, attended the Asthma '95: Theory to Treatment Conference held July 14-17 in Chicago, Ill. He presented a paper titled "Capsaicin augments electrical field stimulation-induced contraction of isolated rat bronchi." BEVERLY SPURLOCK of the Department of Pharmacology was co-author. SZAREK was selected as item writer for the National Association of Boards of Pharmacy Licensure Examination. He participated in an item-writing workshop held Aug. 18-20 in Chicago.

Dr. WILLIAM P. MARLEY, professor and director of the Human Performance Laboratory in the Division of Health, Physical Education and Recreation, presented two papers at the 38th World Congress of the International Council for Health, Physical Education, Sport and Dance held July 9-16 at the University of Florida, Gainesville. The papers were titled "A study of physical fitness, diabetes, and hypertension in a visually impaired 25 year-old male" and "Physical fitness, the disability syndrome and reducing cardiac risk."

DAVID N. BAILEY, director of continuing medical education in the School of Medicine, has been selected by the Accreditation Council for Continuing Medical Education to serve as a CME accreditation site surveyor. His training will take place Oct. 27 in Washington, D.C., in conjunction with a meeting of the Society of Medical College Directors of Continuing Medical Education and the Association of American Medical Colleges.

Dr. FRANK S. GILLIAM, associate professor in the Department of Biological Sciences, attended the Gordon Research Conference on Hydrologic, Geochemical and Biological Processes in Forested Catchments held Aug. 13-18 in New London, N.H. He presented a paper titled "Seasonal changes in soil nitrogen in a nitrogen-saturated central Appalachian hardwood forest." The paper was co-authored by BRAD YURISH, a graduate student in the Biological Sciences Department, and Dr. Mary Beth Adams of the USDA Forest Service in Parsons.

Dr. JOHN L. SZAREK, professor in the Department of Pharmacology in the School of Medicine, had a paper titled "Time course of airway hyperresponsiveness and remodeling induced by hyperoxia in rats" published in the American Journal of Physiology (Lung Cellular and Molecular Physiology) (1995, 269:L227-L233). Co-authors were Dr. Marian L. Miller and Anastasia Andringa of the University of Cincinnati Medical Center and Heather L. Ramsay, formerly of Marshall's Department of Pharmacology.

Dr. AHMAD KHALILI of the Department of Sociology/Anthropology participated in the 1995 annual meeting of the American Sociological Association held Aug. 19-23 in Washington, D.C. He presented a paper titled "The Effects of Neighborhood, the Family and Peers on Teenage Behavior: A Study of Teenage Pregnancy in Pittsburgh." KHALILI also participated in the North Central Sociological Association meeting held recently in Pittsburgh. He chaired a section on "Linking Demography and Social Stratification."

ELIZABETH REED SMITH, associate professor of music, and KAY WILDMAN, music librarian, were featured performers at the unveiling of a statue of the eminent violinist Maud Powell held July 1 in Powell's hometown of Peru, Ill. They presented a program of American violin and piano music that included works dedicated to and performed by Powell. SMITH also performed a recital of music for violin with organ on May 20 in East Hampton, N.Y.

Gilley to give address

Marshall University President J. Wade Gilley will deliver the State of the University address during the general faculty meeting scheduled Thursday, Sept. 21, at 4 p.m. in the Joan C. Edwards Playhouse in the Fine and Performing Arts Center.

The agenda will include the following: introduction of new faculty members by department chairs, nominations for replacements on the Institutional Hearing Panel and various announcements.

A welcome reception for new faculty will be held in Marco's in Memorial Student Center following the meeting.