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Office of University Relations

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MU graduate programs deleted/consolidated

Two Marshall University graduate programs have been eliminated, three others have been consolidated into one, and four others are being considered for consolidation, according to MU President J.W. Gilley.

Master's degree programs which have been eliminated are the M.S. in Accounting and the M.S. in Library Science Education. Master's degree programs in Adult Education, Business Education and Marketing Education have been consolidated in a redesigned program in Adult and Technical Education.

Being considered for consolidation are master's and certificate of advanced studies programs in Educational Administration and certificate programs in Curriculum and Instruction and Vocational, Technical and Adult Education, all in the College of Education.

Gilley said the changes are in line with a study he asked the university's Graduate Committee to undertake last fall. A similar study is planned on Marshall's undergraduate programs, he noted.

He said the studies fit in with a series of initiatives directed by the West Virginia Board of Trustees this spring.

"Since our financial resources are severely limited, it's important that we take a close look at everything we're doing at the university," Gilley said. "I hope we can continue to eliminate unproductive programs and courses, and that we can consolidate others in those situations where it is appropriate. In that manner, we can free enough resources to undertake programs of greater value to the students--and to the state."

Schmitz to work on computer

Dr. Lawrence R. Schmitz, assistant professor of chemistry at Marshall University, has received a grant of 80 service units of resources on the Cray Y-MP supercomputer at the Pittsburgh Supercomputing Center (PSC).

Although time on the Y-MP is not commercially available, Schmitz said the approximate commercial value of the grant is $50,000.

Schmitz and MU graduate student Yi Ren Chen will use the supercomputer to develop a technique for calculating the heats of formation of a class of organic compounds called alkenes. Schmitz said this work is part of a series of scientific papers in which he and his co-workers have demonstrated that this technique is capable of predicting heats of formation for many classes of organic compounds.

"The heats of formation of molecules are important parameters that allow an understanding of the energy

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Inco Gives $100,000 On Pledge

Marshall University President J. Wade Gilley, right, accepts a $100,000 check from John O. Allen, vice president and general manager with Inco Alloys International, Inc. The check is Inco's second installment on a five-year, $500,000 pledge in support of faculty development at Marshall. The company has supported Marshall programs for more than 30 years. With Gilley and Allen is Dr. Edward G. "Ned" Boehm Jr., MU vice president for institutional advancement.

Norton receives grant

Dr. Michael L. Norton, associate professor of chemistry in Marshall University's College of Science, has received a $114,000 grant from the National Science Foundation to investigate a method which he invented of growing superconducting materials.

The project, titled "Interfacial Processes in Compound Electrodeposition," will emphasize the participation of undergraduates in chemical research. Norton will be the principal investigator for the three-year program which begins this summer.

Norton said the project represents a continuation of studies in superconductor crystal growth now in progress at Marshall.

Superconductivity, a complete disappearance of electrical resistance in a substance at temperatures near absolute zero, is expected to change and vastly improve the field of modern microelectronics in the near future.

One goal of the research is to make samples for study at the High Neutron Flux Reactor at Oak Ridge (Tenn.) National Laboratory.

"The most powerful technique for probing superconducting materials is neutron diffraction," explained Norton. "This technique allows you to delve into the origin of superconductivity and the interesting magnetic properties of these oxide materials. The only drawback to using neutrons is that to get the most out of the experiment, you need crystals that are larger and, ideally, more perfect than any grown thus far.

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Schmitz will work on supercomputer

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changes in chemical processes,'' said Schmitz. ''There fore, many scientists and engineers require this fundamental data. Not surprisingly, there is a fairly massive literature on heats of formation that have been experimentally determined. Unfortunately, the experimental determination of these data requires considerable time and money.''

He said in recent years the amount of funding for experimental work of this type has declined.

''Many compounds now exist for which this data is not available. Furthermore, the experimental determination of heats of formation for many compounds is not practical or is impossible using conventional techniques. Therefore, it would be highly desirable to have a technique for the calculation of heats of formation that is inexpensive, fast and accurate,'' explained Schmitz.

He said the results of such calculations could be used in place of experimental data.

Schmitz and Chen began this study using a DECstation 3100 in Marshall's Computer Center. However, some of the molecules they wanted to study were too large for the smaller computer. This grant will allow them to include these molecules in their work.

''Results that have been obtained to date indicate that we will be able to predict heats of formation with average errors that are no larger than the experimental errors encountered when one attempts to measure these values,'' said Schmitz.

Schmitz received his bachelor's degree from St. John's University in Collegeville, Minn., his master's degree from the University of Montana and his doctorate from the University of Calgary.

Prior to joining the Marshall faculty in 1989, he taught at Towson State University and did postdoctoral research at the University of Georgia.

He is a member of the American Chemical Society and has published 12 scientific papers. Two of his papers have dealt with calculating heats of formation. He has two additional papers on heats of formation that have been accepted for publication.

Norton receives grant

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''There is no doubt that the National Science Foundation considers us the best bet for preparing these materials,'' Norton said.

Norton and the student researchers will use a relatively new type of electron microscope called a scanning tunneling microscope (STM) to characterize several types of defects in crystals.

He said the material problems associated with crystal growth arise at the interfaces, the surfaces of the growing crystals. One type of defect Norton hopes to eliminate measures only about 100 atoms long.

''Although STMs are the most powerful type of microscope developed to date and are capable of imaging individual atoms, the one we will use has been designed for students. They are quite anxious to get started,'' Norton said. ''I believe that bringing this technology, the ability to see and manipulate individual molecules, to the Marshall campus will probably be the most enduring aspect of this project.''

Producing motivated, educated and properly trained future scientists is a major goal of the program. However, Norton believes the work might produce a number of possible spinoffs.

''We may very well make new superconducting materials, materials that will be better in terms of performance than those compounds known today,'' he said. ''Even if we simply come to a better understanding of the present compounds, we could help usher in a new age in superconducting microelectronics.''

Fellowships available

The American Council of Learned Societies has announced a series of fellowships and grants for the 1992-93 academic year, according to Dr. Leonard Deutsch, dean of Marshall's Graduate School.

Information pertaining to these and other fellowship opportunities is available in the Graduate School Office, Old Main Room 113.

Devereaux on task force

Elizabeth B. Devereaux of the Marshall University School of Medicine has been chosen to serve on the Depressive Disorders Task Force of the national Joint Commission on Accreditation of Healthcare Organizations.

Devereaux, an associate professor of psychiatry, will help develop ways for the commission to determine whether the organizations it visits are appropriately treating patients who have depressive disorders.

Wilson program opens

The Woodrow Wilson International Center for Scholars has announced its annual residential fellowship competition for 1993-94.

The competition is open to individuals with outstanding project proposals representing the entire range of scholarship, with a strong emphasis on the humanities and social sciences.

For academic participants, eligibility will be limited to the postdoctoral level. The average yearly stipend will be approximately $38,000.

The deadline for applications will be Oct. 1. To obtain further details contact the MU Academic Affairs Office, 696-5442.

Gasper named to Byrd Institute post

Theodore H. Gasper, Jr., president of Linn Technical College in Linn, Missouri, has been named director of the Education and Training Center (ETC) at Marshall University's Robert C. Byrd Institute for Advanced Flexible Manufacturing. His appointment was effective July 1.

"The education and training mission is an important part of business assistance that the Byrd Institute hopes to provide," David M. Porreca, Byrd Institute director, said. "If trained personnel are not available to local manufacturers they will never be able to take advantage of the new high technology equipment that is available. We are looking forward to having Ted Gasper leading this important segment of the Byrd Institute."

A native of South Carolina, Gasper received a doctorate in education from the University of Kentucky in 1975.

With more than 20 years of experience in education and training, he has served in a variety of capacities. Gasper was the director of Engineering Technologies Division and the Advanced Technologies Center of Lorain County Community College in Elyria, Ohio. He also worked for the State Board of Technical and Comprehensive Education in Columbia, South Carolina, as well as at the University of South Carolina and Winthrop College in Rock Hill, South Carolina.

During his career, Gasper has coordinated the development of 12 courses in computer integrated manufacturing and four courses in quality assurance technology.

The Education and Training Center (ETC) is one of the components of the Byrd Institute. The Byrd Institute is among a handful of pilot programs in the nation using advanced flexible manufacturing technologies to introduce small- and medium-sized businesses to "state of the art" technology. In conjunction with Marshall University's Community and Technical College, the Byrd Institute's ETC offers training courses in subjects including Computer Numerical Control (CNC), Flexible Manufacturing Systems (FMS), Statistical Process Control (SPC) and Robotics.

Gasper is married and has one child.

Changes required on purchase order forms

The U.S. Postal Service has asked Marshall University departments to change the way the vendor's name and address is typed on the university's blue purchase order form, according to William J. Shondel, director of purchasing and materials management.

The Postal Service's OCR equipment is having difficulty reading the vendor's name and address in the window envelopes that are used by the Purchasing Office. When the information can't be read, the envelope is rejected and processed manually, which delays the movement of the purchase order to the vendor.

Shondel said the new format eliminates all punctuation and small letters. An example of the new style is:

MS S ONEIL PRES
LIGHTNING INC
4321 MAPLE ST
OAKTON MD 12345 6789

Optical character reading equipment also has difficulty processing the following: script or italic characters, non-letter quality dot matrix print, faded or light print, print styles where the characters nearly touch, addresses that are not in the sequence in the previous example, and state names that do not use the official two-letter state abbreviations.

Med students get fellowships

Two Marshall University School of Medicine students have received fellowships to attend the Rutgers Summer School of Alcohol Studies.

Meredith Montsinger of Huntington and Lee Haikal of Eleanor, who have completed their second year of medical school, received Scaife Family Foundation fellowships for the program.

At the two-week school, now in its 50th year, they will take a course on the medical aspects of alcoholism, as well as another course of their choice.

Waivers to be awarded

Applications for a limited number of graduate student tuition waivers for Marshall University's fall semester will be accepted through Friday, July 24, in the MU Graduate School Office, Old Main Room 113, according to Dr. Leonard J. Deutsch, Graduate School dean.

In line with the West Virginia Board of Trustees Policy Bulletin 49, priority will be given to faculty and staff of the state's colleges and universities and to West Virginia residents. A small number of waivers will be awarded to nonresident students.

Deutsch said academic merit will be the major consideration in awarding waivers, which cover tuition, registration and Higher Education and Faculty Improvement fees. Student Activity fees must be paid by the recipient.

Academic merit will be determined by grade point average and Graduate Record Examination scores. Students must list their GRE scores in order to be eligible for consideration.

Up to three hours of waivers for graduate course work will be awarded to qualified applicants.

Students interested in being considered for a Board of Trustees tuition waiver based on financial need criteria should contact the Graduate School to obtain the proper application procedure.

Students who previously held waivers must reapply to be considered for fall semester waivers.

Approved waivers can be picked up beginning Monday, Aug. 3. Waivers not claimed by Friday, Aug. 14, will be assigned to other qualified applicants.

To obtain further details contact the Marshall University Graduate School, 696-6606.

Marshall faculty and staff achievements

CHUCK BAILEY, assistant professor of broadcasting and faculty manager of WMUL-FM, has been elected president of the West Virginia Associated Press Broadcasters Association. He was elected during the organization's annual meeting held June 5-7 in Charleston.

Dr. CLAIR W. MATZ, professor of political science and director of Marshall's Center for International Studies, received an alumni citation from Albright College, Reading, Pa., for outstanding individual service and professional accomplishment. A 1958 graduate of Albright, MATZ was honored along with other distinguished alumni during the college's annual Alumni Recognition and Reunion Day held May 2.

The School of Medicine Class of 1992 honored five people associated with Marshall for their contributions to the students. Those recognized were: Dr. SHIRLEY NEITCH, associate professor of medicine, faculty clinician of the year; Dr. ALFRED BALDERA, volunteer clinician of the year; Dr. PAULETTE WEHNER, resident of the year; NADINE HAMRICK, assistant director of financial aid, outstanding service award; DAVID HARSHBARGER, a department manager at the MU Bookstore, honorary class member.

Dr. LAWRENCE R. SCHMITZ, assistant professor of chemistry, recently presented a paper titled "Heats of Formation Calculated from *AB Initio* MO Theory and an Empirical Group Increment Scheme" at the 24th Central Regional meeting of the American Chemical Society.

Dr. CRAIG MONROE, professor of communication studies, and Dr. SARAH DENMAN, assistant vice president for academic affairs, have an article titled "Assimilating Adjunct Faculty: Problems and Opportunities" in the August edition of The Bulletin for the Academy of Communication Administrators, 77, 56-62.

Dr. DONNALEE A. COCKRILLE, coordinator of women's programs, was the co-leader of a session on "Using Cooperative Learning Structures and Interactive Teaching Strategies to Empower Students From Diverse Backgrounds" at the fifth annual National Conference on Racial and Ethnic Relations in American Higher Education held recently at the University of Oklahoma. Dr. Susan J. Criswell, assistant professor of education at Edinboro University of Pennsylvania, was the co-leader of the program.

Dr. MARJORIE McINERNEY, associate professor of management, and Dr. DALLAS BROZIK, associate professor of finance, have had an article titled "The Step Beyond COBRA" accepted for publication in the July/August 1992 issue of the Journal of Compensation and Benefits, which is a refereed journal. Dr. Paul Arnold, SBDC director at McNeese State University, was co-author of the article.

Dr. JOAN F. GILLILAND, professor of English, presented a paper titled "Tacloban 1942: A Child's Diary" at a multidisciplinary international conference on "World War II: 1942-1992--A 50-Year Perspective" held June 4-5 at Siena College.

Dr. JAMES HOOPER and Dr. AKHTAR LODGHER of the Computer and Information Sciences Department recently were awarded a grant from the Defense Advanced Research Projects Agency for incorporating into the curriculum software engineering principals with the use of the Ada programing language. The Department of Defense recently mandated that Ada be used for all of its defense application programing. Through the grant, the CIS Department will be able to build the infrastructure to provide students with the needed expertise to seek professional positions with the Department of Defense.

Dr. ROBERT P. ALEXANDER, distinguished professor of management, has been presented a citation in recognition and appreciation of his contributions to the nation's cities and towns as a member of the National Finance Administration and Intergovernmental Relations Standing Committee of the National League of Cities.

DIANA PARNICZA of the School of Nursing has been named a fellow for Project SHARE, a national program for improving school nurse care of students with disabilities. She is attending the Summer Faculty Institute July 7-12 at the University of Colorado. SHARE is a three-year fellowship program that trains nursing school faculty who, in turn, prepare elementary and secondary school nurses for improving nursing care and services for children with disabilities. The program is underwritten by the U.S. Department of Education's Office of Special Education.

Women's clubs give grant to CE program

The West Virginia Federation of Women's Clubs, Southwestern District, has made contributions totaling nearly $1,000 to the Continuing Education Division of Marshall University's Community and Technical College to provide scholarship assistance for area high school students to attend the Continuing Education Division's ACT (American College Testing) preparation program.

Richard Hensley, director of continuing education at Marshall, said the contribution will make it possible for area students who ordinarily wouldn't be able to afford the training to attend the ACT tutorial program.

"This will give students an opportunity to do their best on the important ACT examination," said Hensley. "In the past, many of these students would not have been able to participate in the program which helps prepare students for the ACT. The women's clubs of this area are providing an important service to students."

Contributions were made by the Woman's Club of Barboursville, the Woman's Club of Cox Landing, the Woman's Club of Beverly Hills, the Pea Ridge Woman's Club, the Woman's Club of Huntington, and the Interclub Council of Ceredo-Kenova, Lavalette, Wayne and Westmoreland.

"This might not be as visible as some of the things the clubs do throughout the community but it will pay dividends to the eligible students and in the long run provide dividends to the community," Hensley said. "We try to keep the costs as low as possible, but we have to charge enough to sustain the program and many families just couldn't afford to give their children this opportunity. I want to express our deepest gratitude to the women's clubs of the Southwestern District."

Area high school principals and counselors will recommend students for the scholarships based on need and academic potential.