NASA moving research project to MU

Early in the next century, American astronauts will begin spending long periods in Space Station Freedom, currently on the drawing boards.
Later in the century, they are expected to embark on missions to explore Mars, a journey requiring many months.

In both instances, their health may depend on the outcome of a research program at Marshall University, headed by an MU alumnus.

The National Aeronautics and Space Administration has designated Marshall to conduct a major research project to study the weakening of muscles in weightless conditions, and create "exercise prescriptions" to help astronauts prevent this problem. The studies have implications for earthbound heart patients, as well.

Marshall was selected for the research program after NASA decided to phase out life sciences research at its Kennedy Space Center. The transfer is under way and the project is expected to begin in Huntington in early December.

The program is expected to cost approximately $190,000 the first year and $660,000 over the next three years. In addition to the funds, NASA is furnishing a 1,500-square-foot laboratory in Marshall's Department of Health, Physical Education and Recreation (HPER) with an electron microscope, equipment for measuring muscle function, computers and other devices needed for the research.

Dr. Gary A. Dudley, a Marshall graduate who led muscle physiology studies at the space center, will direct the new Research and Training Center in Integrated Physiology at Marshall.

"This is an enormous step forward for Marshall's research program," said MU President J. Wade Gilley. "It ties in well with research strengths we already had established at Marshall in the body's regulation of blood flow and other areas of physiology. In addition to the great strength Dr. Dudley brings to our research program, he brings to our educational program an outstanding international reputation in the field of muscle physiology."

Dr. W. Donald Williams, veteran chairman of the HPER Department and currently acting vice president for research and economic development, said Dudley also will be an important resource for the Sports Science and Wellness Institute, a cooperative venture of Marshall’s College of Education, Department of Athletics, and School of Medicine.

"Dr. Dudley is a leading authority on the effects of exercise, the compatibility of resistance and endurance training, strength training in pre-adolescents, and other areas that have obvious relevance to athletes who are trying to reach their full potential," he said.

Dudley said the problem of muscle deterioration must be addressed before astronauts can spend extended periods on Space Station Freedom, expected to be operational shortly after the year 2000.

"Body systems deteriorate during long stays in space, and the voluntary muscles necessary for movement are expected to be especially affected," he said.

His project will look at the effect of disuse on two key functions: the brain's control of the voluntary muscles, (Continued on page 2)

Memorial service set

Marshall University will hold a special memorial service on Saturday, Nov. 14, on the Memorial Student Center Plaza immediately following the MU-Tennessee Tech football game to mark the 22nd anniversary of the 1970 airplane crash which took place near Tri-State Airport.

Seventy-five Marshall football players, coaches, administrators, students, friends from the community and flight crew members lost their lives in the crash.

The ceremony will begin with the presentation of the colors by cadets from the Marshall ROTC Department and an invocation by Rev. Bob Bondurant of the Campus Christian Center.

Marshall's Mass Choir will perform and a brief presentation will be made by Taclan Romey, president of the MU Student Government Association.

A wreath will be placed at Memorial Fountain. The fountain, created by the late internationally-known sculptor Harry Bertoia, then will be symbolically turned off for the winter.

Bertoia described the fountain, dedicated to those who died in the crash, as conveying "the living, rather than commemorating Death itself, in the waters of life, rising, renewing, reaching to express upward growth, immortality and eternity."

"Taps" will signal the end of the ceremony.

Faculty Senate to meet

Marshall University's Faculty Senate will meet Thursday, Nov. 19, at 4 p.m. in the lounge on the eighth floor of Smith Hall.

The agenda will include the following: approval of minutes of 10/29/92; announcements; comments from Steve Williams concerning the HEAT report; report of the president; discussion of HEAT; ACF report; standing committee recommendations, and agenda requests for future meetings.
NASA moving research project to MU

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and ability of blood vessels to maintain an adequate blood supply to the muscles.

Since astronauts currently do not have long space missions, weightlessness cannot be studied directly. However, scientists have learned that they can simulate the effects of weightlessness by keeping muscles from being used through bed rest, for example.

The Marshall project will use an equally effective but less limiting method: keeping one leg from bearing weight. People who participate in the study will do all their walking on crutches, wearing a shoe with a four-inch sole on their "active" foot so that the other one does not touch the ground.

"Studies show that this disuse causes muscle changes similar to those found in weightlessness, and also that the body tends to compensate in similar ways," Dudley said. "As a result, we can see why neuromuscular changes occur and develop potential countermeasures.

"One thing we expect to learn, for example, is whether one type of muscle is affected more than another," he said. "If so, this would tell us whether to recommend endurance exercise or strength-building exercise for astronauts."

Already Dudley has worked with six physiologists at the Marshall University School of Medicine to develop another NASA proposal, on which word is expected by January.

This project will study the effects of weightlessness on both muscle and bone. Researchers will look at how the nervous system controls voluntary muscles, how the blood vessels are affected, and what underlying metabolic changes occur.

In addition, the team will study the ways weightlessness affects sleep.

"This should be well received, especially in light of the extreme difficulty shuttle astronauts have in getting a good night's rest," Dudley said. "To our knowledge, no research has been conducted in this important area."

Dr. Gary L. Wright, chairman of physiology, will be co-director of the proposed project. Other MU researchers working on the project team will be Dr. Howard Aulick, Dr. Susan DeMesquita, Dr. Todd Green, Dr. Elsa Mangiara and Dr. William McCumbee. Also participating will be Michigan State University researcher Ronald Meyer and Soviet-trained space scientist Igor Sergeev, who is now in Johannesburg, South Africa. Both will visit the Marshall lab and work with MU researchers.

The program will serve as a training ground for five postdoctoral students, ten graduate students pursuing Ph.D. degrees in biomedical sciences with an emphasis in space biology, and five undergraduate students.

Muscle fatigue and poor function of the voluntary muscles also contribute to congestive heart failure, in which the heart loses its ability to adequately supply blood to the body's muscles, including itself.

In addition to his NASA project, Dudley will continue work on studies of heart failure funded by the American Heart Association and the U.S. Department of Veterans Affairs. The combined budgets of those projects total more than $450,000.

Dudley, who graduated from Marshall in 1974, also is a graduate of South Point High School. He received master's and doctoral degrees from Ohio State University. He has taught at the State University of New York Upstate Medical Center, Washington University of St. Louis, Ohio University, the University of Florida at Gainesville and the University of Central Florida.

Dudley is a member of the U.S. Olympic Committee's Scientific Advisory Committee. His work has been published internationally and he has reviewed manuscripts, abstracts and grant applications for many scientific organizations. He also is a member of the Extended Duration Orbiter Exercise Working Group of NASA's Lyndon B. Johnson Space Center.

Adults can take 'first step'

Marshall University's Office of Returning Students' Programs will sponsor two "First Step" seminars for adults who are interested in enrolling at the university, according to Dr. Donnalee Cockrille, coordinator of Women's and Returning Students' Programs at Marshall.

The first program will be held Thursday, Nov. 19, at noon in Prichard Hall Room 143. The second program will be held Wednesday, Dec. 2, at 2 p.m. in Prichard Hall Room 143. Both sessions will be open to the public free of charge.

Marshall counselors will conduct the informal workshops and discuss admissions, orientation, selecting a major, registration, financial aid and personal goal setting.

"This program will be particularly helpful for those just exploring the idea of returning to school," said Cockrille.

To register for one of the sessions or obtain further details contact the Marshall University Office of Returning Students' Programs, 696-3338.

Reading contest planned

The Library Public Relations Committee at Marshall University is sponsoring a reading contest from Saturday, Nov. 14, at 10 a.m. through Tuesday, Nov. 17, at 9 p.m. in conjunction with the "Great West Virginia Readout."

Children (pre-school through high school) of Marshall University faculty, staff and students will be eligible to participate in the contest, according to Dorothy Moore, reference librarian.

Registration will be required. Registration can be completed at the Reference Desk in James E. Morrow Library.

All participants will receive a gift for entering the contest. The person who reads the most books will receive a certificate and a grand prize.

To obtain further details contact Moore at James E. Morrow Library, 696-2320.
Paige will be Honors Weekend speaker

James H. Paige III, secretary of the West Virginia Department of Tax and Revenue, will be the guest speaker for Marshall University's eighth annual Honors Weekend for outstanding black high school students being held Friday and Saturday, Nov. 13-14.

He will make a presentation during a banquet at 6:30 p.m. Friday in the W. Don Morris Room in Memorial Student Center.

The purpose of Honors Weekend is to give recognition to outstanding black students from Tri-State area high schools, let them know Marshall is interested in them and encourage them to continue their educations, according to Kenneth E. Blue, associate dean for student affairs at Marshall.

A native of Wheeling, Paige is a 1978 graduate of Wheeling Park High School. He received his bachelor's degree from Bethany College, a master's degree in public administration from the University of Pittsburgh and a law degree from West Virginia University.

Following graduation from law school, Paige joined the Pittsburgh National Bank where he served as a trust administrator managing 207 accounts with a market value of $20 million.

He returned to West Virginia in 1989 when Governor Gaston Caperton appointed him to head the West Virginia Banking Division. He was the first black to hold the post and was the youngest state banking chief in the nation. Caperton elevated Paige to secretary of the State Department of Tax and Revenue in 1991, making him the first black and the youngest current member of the governor's cabinet.

Paige now resides in Charleston but remains active in a number of Wheeling community programs.

He is co-founder of the Elks Basketball Tournament, a weeklong event aimed at developing self-esteem and confidence in children in East Wheeling, and he is active in the East Wheeling Civics, an organization devoted to community development. He was named "Community Builder of the Year" by the Civics in 1989.

Paige also spearheaded a community-based effort to transform an abandoned house into a learning center for Wheeling youth. Governor Caperton has since renamed the center in honor of Paige.

Ebony magazine featured Paige in the August 1990 issue as one of the nation's 50 black leaders of the future. He also was a recipient of one of President George Bush's "Points of Light" awards for his humanitarianism for his hometown. He received the award this year at a dinner where he was seated by First Lady Barbara Bush.

He serves on the board of directors of Wheeling Jesuit College and the West Virginia University President's Visiting Committee on Black American Affairs.

Paige is a member of the NAACP and was named "Outstanding Young West Virginian" for 1991 by the Ohio Valley Jaycees. He was an outstanding high school and college basketball player and is a member of the Bethany College Athletic Hall of Fame.

'La Boheme' scheduled

Puccini's "La Boheme" will be presented by the Marshall Artists Series on Monday, Nov. 16, at 8 p.m. in the Keith-Albee Theatre.

Performed by the Western Opera Theatre, "La Boheme" is the charming, unconventional and tragic story of Rodolfo, a writer, and his doomed lover, Mimi, according to Celeste Winters Nunley, MAS director.

The Western Opera Theatre is the touring ensemble of the San Francisco Opera.

Individual tickets will be $16, $20 and $24. Full-time MU students with valid identification and activity cards will be admitted free. Youth 17 and under, part-time Marshall students and MU faculty and staff will be admitted for half-price.

To obtain further details contact the Marshall Artists Series Office, 696-6656.
Marshall Faculty Senate holds meeting

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resolution of pending legal action.

Suspension of Agenda:

It was moved (Brozik) and seconded (Anderson) to suspend the agenda to consider Recommendations #160-163 (SC&W). The motion was approved.

Recommendation #160 was moved (Shanholtzer) and seconded (Spatig). After brief discussion concerning the status of John Marshall Scholars as a priority group, and the fact that with course overloads not permitted our most select students could be penalized, the motion was defeated and sent back to committee.

Recommendation #161 was moved (Perkins) and seconded (Shanholtzer) and approved with only brief discussion.

Recommendation #162 was moved (Perkins) and seconded (Tarter). Discussion focused on the fact that nursing students enrolled at St. Mary's Hospital would be receiving a benefit from this recommendation not currently granted to our own nursing students. The motion was defeated.

Recommendation #163 was moved (Duke) and seconded (Cox). It was moved (Hicks) and seconded (Hale) that the text be amended to read: "That second semester freshman and first and second semester sophomore student athletes be given Special Group Registration privileges." The amendment was approved.

The main motion was voted on and, upon a request for division of the house, was approved 20-12-5. It was moved (Chezik) and seconded (Hale) that: "The Faculty Senate directs the AS&CR Committee or the AP Committee, as appropriate, to study and recommend changes in the current overload policy at Marshall University." The motion was approved.

Report of the President:

Dr. Gilley made several announcements:

1. It has been proposed that out-of-state students in West Virginia pay for the full cost of their education and that higher education funds should be allocated to institutions based primarily on their in-state enrollment and their institutional mission. The amount generated by such changes could provide a 5.8 percent pay raise for all employees in public higher education (somewhat more if the health sciences were excluded), and yield between 3.5 and 4.5 million dollars for Marshall University.

2. The recent arts gala raised $104,000 for the Fine Arts Endowment. This event may be continued in future years.

3. C&P Telephone has donated stock valued at $172,000 to be divided three ways (1/3 to FA, 1/3 to COB and 1/3 to COS).

4. A Special Equipment Budget of $400,000 from HERF has been established and a committee will set priorities for purchases. The president said $70,000 extra for equipment has been received from the Board of Trustees and an additional $500,000 is available by open statewide competition from the board for instructional/educational technology (especially computers).

5. A discussion of Executive Policy Bulletin #3 followed. Dr. Gilley announced amendments to his document: -- The primary responsibility of the Student Media Board is to safeguard the First Amendment rights of the student media.

-- Two presidential appointments from outside the institution have been eliminated. The total number of board members is thus reduced from 11 to nine, only two of which are appointed by the university president. Those two are designed to ensure that women and minorities will be included on the board.

-- There will be good affirmative action guidelines used in all actions taken by the board.

-- The board will consult with the Executive Committee of the Faculty Senate and with the director of the School of Journalism and Mass Communications before adopting any policies or guidelines.

Discussion of President's Report:

Dr. Hal Shaver, director of the School of Journalism and Mass Communications, spoke on behalf of the faculty of his unit. Since there was considerable discussion following Dr. Shaver's remarks, an additional 15 minutes for discussion was moved, seconded and approved.

At the conclusion of the discussion it was moved (Brozik) and seconded (Dolmetsch) to adopt a motion concerning matters of academic freedom. During discussion it was further moved (Abramson) and seconded (Anderson) to postpone consideration of the motion until a later (Nov. 19) meeting. The move to postpone was approved.

Suspension of Agenda:

It was moved (Jackson) and seconded (Shanholtzer) to suspend the agenda to consider Recommendation #166. The motion to suspend the agenda was approved. It was moved (Plumley) and seconded (Boyce) that the resolution of the Executive Committee be adopted. The motion was approved.

It was moved (Anderson) and seconded (Sporny) that the agenda be suspended to hear briefly from Dr. Don Williams, acting vice president for research and economic development, on the subject of the role of chairs. The motion was approved.

State of the Library Address:

Josephine Fidler, director of libraries, spoke to the Faculty Senate on the subject of the financial and technological state of university library facilities.

Standing Committee and Other Recommendations:

Recommendation #154 was approved.

Suspension of Agenda:

It was moved (Perkins) and seconded (Fotos) that the agenda be suspended to consider #165 in a timely fashion. The motion to suspend the agenda was approved. It was then moved (Perkins) and seconded (Guyer) that the proposed university calendar be adopted. The motion was approved.

Recommendations #155, #156, #157 and #158 were approved. Recommendation #159 was moved (Perkins) and seconded (Olson). Olson moved (seconded by Fotos) the following amendment: "That the title of 'Certificate of Advanced Studies' program be changed to 'Education Specialist' program, and that the program description be restored to the next graduate catalog." The amendment was approved. The main motion was approved.

The meeting adjourned at 6:17 p.m.
Committee recommends course changes

(The following report on the Oct. 22 meeting of the Marshall University Academic Standards and Curriculum Review Committee was submitted by Denecia Merritt-Damron, secretary.)

Minutes of the previous meeting were corrected to show that Josephine Fidler’s name should have appeared under “Members Present.” The corrected minutes were approved.

Dean Adkins submitted the Curriculum Subcommittee report, which was accepted by the committee.

The report recommended the following course/program alterations:

**College of Science:**
- Change--CHM 357 and CHM 358; Delete--CHM 359; Rationale--Deleting the lab CHM 359 and incorporating it into CHM 357 and 358 allows more effective presentation/coordination.
- Change--CHM 448; Rationale--change to include lab.
- Delete--CHM 456 and 457.
- Addition--CHM 422, 426 and 453.
- Change--CHM 345; Rationale--CHM 456 and 457 are replaced by CHM 422 and 426. Content of CHM 345 updated to include lab and give broader coverage.
- Change--GLY 425 (description), GLY 418 (description), GLY 455L, GLY 455, GLY 211L (title changes).

**Community and Technical College:**
- Termination of the AAS degree program in Library Media Technology was approved.
- Change--CD 101; Rationale--this is needed in the curriculum.

**College of Education:**
- Delete--HEC 307; Addition--HEC 201; Rationale--HEC 307 skills are learned in another course; 201 is a needed addition.
- Delete--SED 354; Addition--SED 454; Rationale--354 is replaced by 454.

**School of Nursing:**
- Change--NUR 324 and NUR 325 (descriptions); Rationale--to make more consistent with other descriptions.

**College of Liberal Arts:**
- Change--course prefixes from JRN to JMC as an automatic designator change for the following: JRN 202, 230, 241, 245, 250, 280-3, 330, 382, 383, 385, 402, 410, 414, 425, 428, 430, 445, 470, 480-483, 485-488, and SPH 331 and 432; Rationale--the name of the school has been changed to include mass communications and these courses require no changes other than the prefix designator.

The following JMC course changes were approved:
- JMC 101 for JRN 101; JMC 100 for JRN 150; JMC 201 for JRN 201; JMC 231 for SPH 231; JMC 272-273 for SPH 272-273; JMC 302 for JRN 302; JMC 304 for JRN 304; JMC 331 for SPH 331; JMC 332 for SPH 330; JMC 334 for SPH 334; JMC 350 for JRN 350; JMC 351 for JRN 351; JMC 360 for JRN 360; JMC 372-373 for SPH 372-373; JMC 400 for JRN 400; JMC 404 for JRN 404; JMC 412 for SPH 428; JMC 432 for SPH 432; JMC 433 for SPH 433; JMC 435 for SPH 435; JMC 436 for SPH 436; JMC 437 for JRN 355; JMC 438 for JRN 435; JMC 439 for JRN 433; JMC 440 for JRN 440; JMC 450 for JRN 450; JMC 460 for JRN 460; JMC 490 for JRN 490; JMC 495H for JRN 495H; Rationale--these changes are a result of merger of Journalism and Speech Broadcasting.

- Delete--JRN 200, 204, 301, 308, 310, 471, 475; SPH 230, 332, 333, 339, 434, 437, 438, 442 and 430; Rationale--these changes are a result of merger of Journalism and Speech Broadcasting.

- Addition--JMC 455, 491, 497, 498; Rationale--all are needed in the curriculum.

**Community and Technical College:**
- Termination of the AAS degree program in Library Media Technology was approved.

**College of Education:**
- Delete--HEC 307; Addition--HEC 201; Rationale--HEC 307 skills are learned in another course; 201 is a needed addition.
- Delete--SED 354; Addition--SED 454; Rationale--354 is replaced by 454.

**School of Nursing:**
- Change--NUR 324 and NUR 325 (descriptions); Rationale--to make more consistent with other descriptions.

**College of Liberal Arts:**
- Change--course prefixes from JRN to JMC as an automatic designator change for the following: JRN 202, 230, 241, 245, 250, 280-3, 330, 382, 383, 385, 402, 410, 414, 425, 428, 430, 445, 470, 480-483, 485-488, and SPH 331 and 432; Rationale--the name of the school has been changed to include mass communications and these courses require no changes other than the prefix designator.

The following JMC course changes were approved:
- JMC 101 for JRN 101; JMC 100 for JRN 150; JMC 201 for JRN 201; JMC 231 for SPH 231; JMC 272-273 for SPH 272-273; JMC 302 for JRN 302; JMC 304 for JRN 304; JMC 331 for SPH 331; JMC 332 for SPH 330; JMC 334 for SPH 334; JMC 350 for JRN 350; JMC 351 for JRN 351; JMC 360 for JRN 360; JMC 372-373 for SPH 372-373; JMC 400 for JRN 400; JMC 404 for JRN 404; JMC 412 for SPH 428; JMC 432 for SPH 432; JMC 433 for SPH 433; JMC 435 for SPH 435; JMC 436 for SPH 436; JMC 437 for JRN 355; JMC 438 for JRN 435; JMC 439 for JRN 433; JMC 440 for JRN 440; JMC 450 for JRN 450; JMC 460 for JRN 460; JMC 490 for JRN 490; JMC 495H for JRN 495H; Rationale--these changes are a result of merger of Journalism and Speech Broadcasting.

- Delete--JRN 200, 204, 301, 308, 310, 471, 475; SPH 230, 332, 333, 339, 434, 437, 438, 442 and 430; Rationale--these changes are a result of merger of Journalism and Speech Broadcasting.

- Addition--JMC 455, 491, 497, 498; Rationale--all are needed in the curriculum.

- Addition--CD 101; Rationale--this is needed in Communication Disorders.

The committee discussed a memo from the College of Business regarding the designated area electives outside the COB. The consensus was that the memo should be routed to the Curriculum Review Subcommittee. Earl Damewood asked Dean Adkins to review it.

A memo requested from Dr. Gould by Earl Damewood on the effects of the elimination of overloads was reviewed and discussed. The group reviewed the informational items and concurred that the effects have been primarily positive. A motion to record the note in the minutes was passed.

A discussion was held on the responsibility of the ASCR Committee regarding program reviews that occurred in last month’s minutes.

Leonard Deutsch raised a question about five-year program reviews. The ASCR is responsible for undergraduate program review and new program proposals but not five-year reviews, accreditation reviews, etc. This is a continuation from last month’s meeting. Adkins moved that Damewood insert a correction. The motion passed.

Some discussion of the memo from Dr. Gould regarding program deletions in the university was held. Ben Miller made the motion that the best way to review these program deletions be considered by members and that this discussion be tabled until the next meeting. The motion passed.

The ASCR Committee acknowledged the receipt of a letter of intent from the Community and Technical College for AAS degree programs in: Physical Therapy Assistant; Multiple Competency Clinical Technician.

The Student Government Association representative was originally placed in the ex-officio listing on the meeting announcement for this meeting. Damewood stated that the SGA representative is a voting member according to The Greenbook guidelines. The representative that was given this assignment originally, Eddie Roach, has resigned from SGA and will be replaced by Misty Saul. She has been sent a copy of the meeting dates.

The meeting adjourned at 4:50 p.m.

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Newsletter deadline set

Items for the Marshall University Newsletter must be submitted to the University Relations Office by 10 a.m. Tuesday in order to be published the following Thursday. Lengthy items should be submitted as early as possible to ensure publication. The Newsletter will not be published the week of Thanksgiving.
Marshall faculty and staff achievements

Dr. LAWRENCE R. WHEELESS, professor of communication studies, has had an article titled "State-Communication Apprehension and Uncertainty in Continuing Initial Interactions" published in The Southern Communication Journal (summer 1992, pp. 249-259). Anna Maria Williamson of Garrett (Md.) Community College was co-author. WHEELESS also had an article titled "A Comparison of Verbal Output and Receptivity in Relation to Attraction and Communication Satisfaction in Interpersonal Relationships" published in Communication Quarterly (spring 1992, pp. 102-115). Ann Bainbridge Frymier and Catherine A. Thompson of West Virginia University were co-authors.

SUSAN TEPHLY, assistant professor of music, and Dr. DONALD A. WILLIAMS and Dr. JOHN H. MEAD, professors of music, were adjudicators for the Music Teachers National Association state conference held at Marshall Oct. 16-18. MILA MARKUN, instructor of music, and Dr. LESLIE PETTEYS, associate professor of music, helped organize the conference.

Dr. SUZANNE DESAI, associate professor of marketing, presented a paper titled "A Pilot Content Analysis of a Sticky Issue for Sticky Marketing Educators" at the Atlantic Marketing Association annual meeting held Oct. 7 in Greensboro, N.C.

Dr. JOSEPH ABRAMSON, assistant professor of marketing, and Dr. SUZANNE DESAI, associate professor of marketing, had their article, "A Descriptive Study of New Car Buyers" accepted for publication in the Mid-American Journal of Business.

Dr. CHRISTOPHER L. DOLMETSCH, professor of modern languages, has been named evaluator/consultant for Prentice Hall, a division of Englewood Cliffs, N.J., by Steve Debow, executive editor for foreign languages. DOLMETSCH has previously held or still holds similar positions with Random House, John Wiley & Sons and Holt Rinehart & Winston.

LAURA WYANT, assistant professor of marketing education, accompanied 11 Marshall marketing education students to the West Virginia Fall Leadership Conference held Oct. 15-16 at Cedar Lakes near Ripley. Two presentations were given to more than 400 state high school students and advisers.

Dr. JEANANN S. BOYCE, associate professor of adult and technical education, presented a paper titled "Trial By Fire: Factors Which Influence Success Rates of Doctoral Candidates" to the Southern Business Education Association regional conference on Oct. 24 in Savannah, Ga.

Dr. THOMAS K. PAULEY, professor of biology, recently wrote the Recovery Plan for the Cheat Mountain salamander (Plethodon nettingi), a federally threatened species. The plan was sponsored by the U.S. Fish and Wildlife Service and the West Virginia Division of Natural Resources. PAULEY has studied the ecology and natural history of the Cheat Mountain salamander since 1976. His research on the salamander is funded by the U.S. Fish and Wildlife Service (through the West Virginia Division of Natural Resources).

Dr. CLAIR W. MATZ, director of the Center for International Studies, was a participant in "Welcome to Washington: An Introduction to U.S. Higher Education for the Diplomatic Community" held Oct. 21 at the Embassy of Saudi Arabia in Washington, D.C. The event was a briefing for cultural affairs officers from 32 embassies who are new to the United States.

PAMELA FORD, associate professor/librarian III, recently completed her term as president of the West Virginia Library Association. During the year she testified before the House Finance Committee for library funding, presided over the Executive Board, and traveled the state opening continuing education workshops provided by the association. She planned and presided over the association's 75th annual conference held Oct. 15-17 in Parkersburg. FORD was the fifth librarian from Marshall to serve as WVLA president. Others attending the conference from Marshall were DAGMAR WEILL, HELEN JENKINS, KAREN MEZNER, MAJED KHADER and BAHIYIYI FAREYDOON-NEZHAD. The following librarians introduced conference sessions: JOSEPHINE FIDLER, SARA STAATS, TIM BALCH and TRISH DEL NERO, who also served on the Registration Committee. RON TITUS presented an award as chair of the Intellectual Freedom Committee. JO ANN JORDAN, bindery, presented a session on "Basic Book Repair." TRISH DEL NERO was elected to serve as chair of the Academic Division.

PAMELA FORD will continue on the Executive Board as past-president.

Dr. JOHN B. WALLACE, associate professor of management, and Dr. GEORGE D. STOLLINGS, DDS, a graduate student in the College of Business, published a paper titled "Rising to Success" in the September 1992 issue of Dental Economics. The paper identified 14 managerial activities that distinguish successful dental practices from average ones. The research involved 16 dentists from throughout West Virginia and compared more than 300 performance indicators for each dental practice.

Dr. WILLIAM A. McDOWELL, counseling and rehabilitation professor, co-authored an article titled "Erase Those Holiday Blues" which appears in the November/December 1992 issue of Vibrant Life. McDOWELL delivered a workshop on "Diversity in the Workplace" for the Corps of Engineers Cross-Cultural Week held in October at the Huntington Civic Center. He also served as the keynote speaker at the State Corrections Conference held Nov. 2 at Blackwater Falls. His topic was "Happiness is an Inside Job."

RANDY BOBBITT, instructor in the W. Page Pitt School of Journalism and Mass Communications, attended the Public Relations Society of America national conference held Oct. 24-28 in Kansas City, Mo.

Dr. JAMES E. DOUGLASS, professor of chemistry, had a paper titled "Tautomerism in Quinaldyl Ketones" published in the Journal of Heterocyclic Chemistry (Vol. 29, pp. 1361-63, 1992). Co-authors are former graduate students Elba Michelena, Ali Ataei, Darin Dotson and Herring-Hsing Lo.