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Three scientists who worked together at WU in the 1950s received Columbia University's 1983 Louisa Gross Horwitz Prize last week in New York. The winners are Viktor Hamburger, Edward Mallinckrodt Distinguished University Professor Emeritus of Biology; Rita Levi-Montalcini, professor emeritus of biology; and Stanley Cohen, professor of biochemistry at Vanderbilt University in Nashville, Tenn. Cohen resigned from the WU faculty in 1959. 

The Horwitz Prize has been given annually since 1967 for outstanding research in biology or biochemistry. More than half of the scientists who have won the Horwitz Prize subsequently won the Nobel Prize. 

Hamburger and Levi-Montalcini used these discoveries to show how nerve fibers make precise connections over long distances with the cells they serve. The scientists' research suggested that outgrowing nerve fibers can sense chemical signals such as NGF over considerable distances and follow them to the fibers' appropriate destinations.

In its citation to Levi-Montalcini, the Horwitz Prize Committee wrote that "one of the major challenges confronting the study of the nervous system is to understand how the millions of neurons in the brain interconnect so precisely. Your groundbreaking work . . . has given us the first truly molecular insights into the detailed mechanisms by which this marvelous biological feat is accomplished."

Hamburger was cited for his lifelong interest in the reciprocal interactions and interdependencies of developing limbs and the spinal motor neurons that innervate them. That basic interest led to his contribution to the discovery of NGF, to pioneering research into the development of the chick embryo, to the establishment of a foundation for the present knowledge of competitive processes in the development of the nervous system, and to the study of the way neural processes control the earliest behavior of embryos.

The three scientists' research has been fundamental to the understanding of how cells develop, differentiate and maintain themselves, according to Columbia University President Michael J. Sorren. Hamburger and Levi-Montalcini both were awarded honorary doctor of science degrees from WU. Hamburger in May 1976; Levi-Montalcini in May 1982. Both also received Founders Day Distinguished Faculty Awards. Hamburger in 1962; Levi-Montalcini in 1971. During the late 1940s and early 1950s they discovered and studied NGF, a protein that is essential for the growth and survival of sympathetic nerve cells and certain sensory neurons. In subsequent work, they showed that this protein is secreted by any cell that might be served by the sympathetic nervous system. NGF attracts and is absorbed by the terminals of sympathetic nerve cells and is carried back to the cell bodies, where it ensures their survival.

The Horwitz Prize Committee wrote that "Hamburger's love of inquiry, integrity and great human decency has been an inspiration to the many whose lives you have touched."

Continued on p. 6

Computers catch on

Computer-aided drug design is one of many innovative uses of the computer currently being explored by faculty and staff researchers on WU's campus. Above, John P. McAlister, a research associate in the Department of Computer Science, works on a software program that will allow biochemists to design drugs by estimating the interaction of one chemical molecule with another before the chemicals are combined in a test tube. The impact of the computer on WU faculty, staff and students and their work is explored in part one of a two-part series beginning on page 4.

Floats, football and parties will lift Homecoming spirits

The 1983 Homecoming has it all, from floats and football to pep rallies and picnics. Although Homecoming officially begins the evening of Thursday, Oct. 27, the WU Band will put everyone in the mood for a fun-filled, three-day extravaganza when they perform at noon on Wednesday, Oct. 26, in Bowles Plaza. On Thursday, fans can cheer the WU soccer team to victory over Cardinal Newman's team. The soccer game starts at 7 p.m. on Francis Field. The opening Homecoming activity is set for 9 p.m. Thursday when the Gargoyle Stage, a student variety show, takes center stage in the Gargoyles in Mallinckrodt Center. Following the show, Harry E. Kisker, dean of student affairs, will spin records for dancing.

With this year's Homecoming theme of "Shake It Up," the pep rally participants promise to do just that at noon on Friday. (For those not familiar with today's pop tunes, "Shake It Up" is the title of a song by the New Wave group, The Cars.) The WU Band, cheerleaders, pom pon squad, athletic team members and their coaches, pep club and mascot all will be on hand during the pep rally in Bowles Plaza to "shake up" everyone's school spirit.

The Omicron Delta Kappa Circle at WU will celebrate its 50th anniversary during Homecoming weekend. The national leadership honor society will hold a reunion dinner for its members on Friday evening at the WU Club, Mansion House Center, and two symposiums on Saturday morning in Lopata Hall. The visiting DK members have been invited to take part in the Homecoming activities.

The annual float-building party will begin at 9 p.m. Friday on the South-40. A disc jockey will spin rec
Richard Fleming (left) on the set of the movie "Taps" with a fellow extra.

Fascinating freshman reflect class diversity

Every fall, the Record reports certain characteristics of the freshman class. With numbers and percentages (see p. 3), we describe how smart and accomplished they are, where they come from, and what they intend to study.

While such a "profile" is useful in assessing the general well-being of the University, it tells us little about the freshmen as individuals and their past and potential accomplishments.

Eight members of the entering class were selected for this story because they are, in some way, atypical. But then, in some way, so is each of their classmates.

Stephen J. Edwards has a bag of magic tricks. He uses it, he said, "for the purpose of helping others and to share a little sunshine."

In his work with the Clown Ministry in his hometown of Dallas, Texas, Edwards performed magic and mime for children, hospital patients and the elderly. He became involved with the organization as a member of the Spring Valley United Methodist Church. Though the busy fall semester at WU has not allowed Edwards the time to pursue "clowning," he has managed to heighten the spirits of those who tread the Hilltop Campus.

Edwards, who is majoring in fine arts, cartoons for Student Life. On a work-study agreement with the tabloid, for which he had to "audition with portfolio," he pens both a comic strip, titled Flerwood, and special illustrations. Previous recognition provided Edwards with the encouragement to continue his drawing. He was voted a winner in a statewide editorial cartoon contest two consecutive years in high school. He also was awarded a gold key by Quill and Scroll, an honorary journalism society, in an international competition.

A believer in diversified education, Edwards has cultivated other interests as well. He plays tenor saxophone in the WU Jazz Band and, of course, spends a good deal of time working toward a degree in graphic design and commercial illustration.

Darrell Fader

When Richard Fleming signed up to attend Valley Forge Military Academy in 1980, he had no idea he would be joining the ranks with Timothy Hutton and George C. Scott. Hollywood traveled to Wayne, Pa., the spring of 1981 and the Valley Forge campus became the filming location for the movie "Taps."

According to Fleming, a native of Spring Valley, N.Y., Fader, who "couldn't cut it."

Yet in reality, Fleming found his two years at Valley Forge a positive experience, "one I never will regret, even though it was much stricter than I had expected." He welcomed the opportunity to make friends with fellow cadets from all parts of the world and excelled in many facets of the school's program.

In the second semester of his first year, Fleming was awarded a Certificate of Academic Merit in recognition of improved scholastic achievement. The next year, he was awarded the Manual of Arms Efficiency Badge for having been selected from his company as one of the most proficient cadets with a rifle. He was designated a superior student, rating silver stars both years at the academy.

As for the present, Fleming said he is enjoying life at WU and will probably pursue a major in some field of science.

Darrell Fader

Stephen J. Edwards

A native of North Woodmere, N.Y., Fader is enrolled in WU's Scholars Program in Medicine (SPIM), which guarantees his admission to the School of Medicine after he completes a bachelor's degree. As an undergraduate, he plans to concentrate on liberal arts, possibly majoring in history.

He launched his career in the medical field as a tenth grader with a study comparing the biological rhythms of mice from Maine, Florida and New York. Letters about his project to several scientists resulted in an invitation from Franz Halberg, a leading chronobiologist, to work as a summer research assistant at the University of Minnesota in Minneapolis.

The following summer, he also worked with oncologist William Hrushesky, monitoring the biological rhythms of cancer patients to assess the effects of certain medications. This past summer, he monitored his own biological rhythms for several days.

He always has wanted to be a doctor, he said, because "the field is fluid, it's always changing, new things are happening every day."

Darrell Fader

Georg Jander

Georg Jander, of Lawrence, Kan., has a lot of nerve. For the past two summers, he has devoted himself unflinchingly to the care and feeding of more than 1,000 bumblebees.

The bees are part of a research project at the University of Kansas. As a research assistant, Jander was paid $4 an hour for a job most people would shrink from at any price: feeding the bees watered-down honey and holding them between bare fingers while they were tested.

Both of Jander's parents are entomologists, so he is at home around stingers and crawlers of every kind. In lieu of protective gear, he worked under a red light that made him invisible to the bees.

He was stung more than 100 times the first summer, but that didn't faze him enough to decline hive duty when it was offered again. The data he collected is now being converted into graphs for a doctoral dissertation.

Many of us have been known to "talk with our hands," but Karen A. Koonce, a native of Memphis, Tenn., literally communicates with her hands a language the deaf can understand. Although Koonce is not deaf herself, she has known sign language for as long as she can remember.

Koonce's older brother, Jerry, has been deaf since birth and, she said, "as he learned sign language, I learned it." Besides using sign language to communicate with her brother, she also has used her "second language" to help teach deaf elementary and high school students in her hometown.

While many teen-agers spend school vacations and holidays as far away as possible from their books and desks, Koonce spent hers in the classroom as a volunteer to help deaf students with their school work. She also helped choreograph theatre productions by deaf students for two consecutive years at the school where she was a student aide.

"It makes me feel good," Koonce said of her decision to spend her free time working with deaf students rather than relaxing and enjoy-
Karen A. Koonce

James T. Madore, a native of Normal, Ill., was probably one of the youngest editors and publishers in the country when he started The Stoddard Crier in the sixth grade while vacationing at his parents' summer home in Stoddard, N.H.

His original publication — a bi-weekly, one-page, mimeographed sheet — grew in five years to a 12-page, professionally published newspaper with a weekly circulation of close to 5,000, serving the residents of Cheshire County in the southwest portion of the state. He had it printed in nearby towns and monuments and to the paper when visiting family or in a car making sure his peers in nearby towns and monuments and to evening students who are within a three-mile radius of the church and driving them home.

Mary Fran Schweitzer didn't think it would happen, but she misses her cattle in Geyser, Mont. She raises "10 to 20" on her parents' ranch; they raise about 200.

The first Simmental calf in the United States was born on her family's ranch in 1968 as a result of artificial insemination. The breed originated in Switzerland. One of the descendants, Mary's heifer, Tara, is a national champion and Tara's little sister, Taralee, is close on her heels.

Mary is a winner, herself. In 1982, she was a 4-H regional winner in veterinary science, placed among the top 10 in the state in the Century Three Leadership Program and was an American Legion Oratorical regional winner.

She also participated in basketball, chorus, track, the Model U.N., cheerleading, and the yearbook and student newspaper staffs. At WU, she plans to pursue three years of liberal arts studies and two years of electrical engineering.

She is surprised by the lack of knowledge of people taking among her new friends on campus. She recently phoned a friend in Illinois, who also raises Simmentals, and said, "around here, they don't even know the difference between a cow and a bull!"

While many high school students were out partying on Friday and Saturday nights, Amy Sonnenschein of Princeton, N.J., often was at a phone or in a car making sure her peers in nearby towns and monuments and to the calls, picking up students who are within a three-mile radius of the church and driving them home.

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WU has announced its 1983-84 freshman enrollment. The University reported 4,547 undergraduates enrolling this year as compared to 4,386 in 1982 — an increase of 161 students. The overall total for undergraduates, graduate and evening students enrolling in the 1983-84 school year was 10,763 the previous year, an increase of 140.

Medical school telephone system changes prefix

Frequent callers to the School of Medicine and Barnes Hospital should be advised that the telephone prefix will change from 454 to 362 early in November.

The medical school complex is changing phone systems. The Center system now in use will be replaced by the computerized Custom Dimension 2000 system, which is quicker and more flexible.

Once the new system is in effect, anyone dialing a 454 telephone number will reach a recording that gives new 362 number, or else will be transferred to the new exchange automatically.
The engineering school converted an old ROTC firing range in Cupples II for its new Interactive Computing Facility. The 24-hour facility, part of the Center for Engineering Computing, houses close to 100 keyboards and some three dozen personal computers for use by students.

Computers catch on

Computers revolutionize the way students and faculty approach the business of learning and research

A silent revolution is underway on the campus of Washington University. Behind the Neo-Gothic facade of the buildings, the University is adopting 20th-century technology. Part one of this two-part series examines the changes in both research techniques and teaching in the medical school and the sciences. Part two, which will be published in early December, will examine similar findings in the College of Arts and Sciences, the business school, social work school, Olin Library and dormitories.

- It's 2 p.m. and a busy afternoon at the University's new Interactive Computing Facility. Homework assignments for Computer Science 135 and Electrical Engineering 280 are due the next day, and the personal computer work stations are in high demand.
- At 10 p.m., all is well. At least that's what a small crowd from Math 117 hopes, as they gather at one corner of the facility. Their calculus tests from an hour ago are being computer-totaled and at any minute their scores (listed by social security number) will blink onto the screen.
- By 5 a.m., the earlier crowd has long since left. A few lone computer night owls sit quietly tapping keyboards. The 24-hour room never closes and, apparently, never empties.

Immediately after this engineering school facility at Cupples II Hall opened its doors last month, and before most of the furniture even was assembled, students were there. The attraction was obvious — close to 100 keyboards, including some three dozen personal computers stretching row upon row in a long, narrow attic that once served as an ROTC firing range. The remodeled interior now welcomes a steady stream of visitors with soft lighting, natural wood beams and carpeted floors.

Not that a lack of such fineries would discourage users. The computer revolution has hit WU with full force, and a wide range of disciplines are plugging into it. Studying, teaching and researching a subject never again will be quite the same.

Natural Tool

This year for the first time the majority of undergraduates have access to a computer through introductory courses. The Department of Mathematics alone has handed out sign-on codes to some 1,700 students enrolled in math classes, including calculus, statistics and computer programming. The School of Engineering and Applied Science provides computer time for several hundred undergraduates in its beginning computer science courses, and offers access upon request to all engineering students. Other disciplines are not far behind.

"Computing is becoming a tool — not just an activity for its own sake," says Robert J. Benson, associate vice chancellor and director of the WU Computing Facilities. "It's bubbling up all over campus. In almost every department in every building, things are happening.

The general consensus is that things are happening in the right way. While WU has not adopted the every-student-must-own-a-computer philosophy of some schools, it expects to see continued expansion of computer access to students in fields where computers play a useful role.

An important element in the expansion is the faculty. When professors introduce high-speed computing techniques in their courses, students learn to use the computer as a natural tool.

Or as Seymour V. Pollack, professor of computer science, puts it: "You don't want a bunch of people sitting around with their computers 'all dressed up with no place to go.'"

Computer Cataloging

Of course, many people at WU have gone quite a distance already. The library at the School of Medicine, for example, was the first medical library in the world to completely computerize its card catalog, serials, acquisitions and circulation records three years ago. Several departments, including computer science, mathematics and physics, were among the first anywhere to use personal computers routinely in introductory courses. And in 1964, the Library was just beginning to use the computer to catalog books and other library materials.

Contrary to the beliefs of many, computers can be relaxing and fun. A student in the Interactive Computing Facility in Cupples II combined his work at a printer with music to create a pleasant working environment for himself.
implementation.

Prototype of the desktop computer had its first applications here with the founding of the Computer Systems Laboratory (CSL) and the Biomedical Computer Laboratory (BCL). A review of current computing activities at the University suggests that more 'firsts' are likely to follow.

Computer Research

The CSL and BCL, sister labs from the start, now comprise the Institute for Biomedical Computing. Directed by Charles E. Molnar, professor of physiology and biophysics, the institute formalizes 18 years of collaboration between the School of Medicine and the School of Engineering on developing advanced technology to solve problems in biology and medicine. New laboratory space will be provided when Bowles Laboratories opens in mid-November. This fifth-floor addition to Lopata Hall will house three powerful computers for the engineering school. Ongoing computer research projects include molecular modeling of drugs and hormones, biomedical processing and analysis, and improved methods for studying radioactive tracers in the body.

Nearby in Urbauer Hall, the Center for Air Pollution Impact and Trend Analysis (CAPITA) relies on both large mainframe and personal computers to manage and display volumes of data on pollution. "It used to be that 25 to 50 percent of our activities involved the computer," says Rudolf B. Husar, CAPITA director and professor of mechanical engineering. "Now, we're 100 percent into data manipulation. We no longer produce any values of our own."

The center, which specializes in animated displays of emission and climate patterns across wide geographic areas, uses a video camera to take snapshots of color graphic images as they appear on the computer screen. "Before," recalls Husar, "we colored printouts of each image by hand, and spliced them together like a Walt Disney studio. It was very cumbersome." The center also has computerized a catalog of several thousand scientific articles for its library.

Future Satellite?

The National Aeronautics and Space Administration's Regional Planetary Image Facility in the Department of Earth and Planetary Science features another special computer appendage called an array processor. When attached to a middle-sized computer, it performs sophisticated image operations at rapid speeds. The facility also uses video discs which provide access to 50,000 images in five seconds.

According to Raymond E. Arvidson, director and associate professor of earth and planetary sciences, the facility recently opened up its data base to the U.S. Geological Survey in Flagstaff, Ariz., the Jet Propulsion Laboratory in Pasadena, Calif. and the University of Hawaii in a joint networking experiment. At current, data is communicated via phone lines, but a satellite link is under consideration.

"A story about computers on this campus is like a story about students. They're that pervasive" — Simon Igielnik

In addition to printing out words and statistics, a computer can illustrate the statistics in graphs and charts on a digital plotter.

Although its link is only one way, the Department of Biology can plug into data managed by the National Institutes of Health on protein and DNA sequencing. Researchers like Alan R. Templeton, professor of biology, use such data to reconstruct complicated genetic maps and evolutionary histories. "Before the computer," says Templeton, "this kind of work would have been impossible."

Many other state-of-the-art research projects using computers abound at WU. "Virtually every department is into computers in a big way," observes Simon Igielnik, director of Medical Computing Facilities at the medical school. "A story about computers on this campus is like a story about students. They're that pervasive."

In medical and other kinds of scientific research, computers are being used to gather experimental data as well as analyze it. "Most personal computers have the ability to convert motion into digits," explains Edward L. Spitznagel Jr., professor of mathematics and adjunct professor of bio-statistics. "That's the principle behind joy sticks and video games. Since most experiments are measuring motion — the force of collision, the intensity of a light beam, the degree an object turns, the quickness of a response — the data can go directly into a computer. The final, more sophisticated analyses, he says, "usually are performed by a mainframe computer at a later time."

Microwave Link

It is just this successful mix of personal computers, mini- or middle-sized computers and mainframes that characterizes WU's decentralized computing system. The WU Computing Facilities support 500 terminals with five mainframes, one of which is used solely for Olin Library's computerized catalogs. The Medical Computing Facilities has nine smaller mainframes, supporting over 200 terminals. A microwave link between the two facilities is near completion, and will result in faster communication at lower costs.

In addition to faculty and students, the administration is using computers more and more for record keeping, accounting, letter writing and mailing labels. Introductory courses for staff, faculty and graduate students are increasingly popular and David Benson, director of the WU Computing Facilities' Personnel Computing Education Center, reports that these free, short courses often "sell out" a month ahead of schedule.

In the end, computers will come to everyone. Their particular prowess at computation and information storage and retrieval will be important to humans conducting literature searches, lawyers preparing cases, businessmen analyzing markets and scientists interpreting data.

"If a department is at the forefront of its discipline," sums up Pollack, "it will know how computers can be utilized." Judging by the amount of computing activities at the University these days, it's evident that this "knowing" is taking place.

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Jill Draper

Charles E. Molnar, professor of physiology and biophysics and director of the Institute for Biomedical Computing, checks the progress of a new laboratory being constructed on the fifth floor of Lopata Hall. The lab is expected to open in November.
A day at the races

A 26-mile relay marathon, sponsored by the Xerox Corporation, was held in Forest Park on Sunday, Oct. 9. Twenty WU employees represented the University in the marathon in two teams of 10 runners. One WU team finished second in the 62-team race; the second WU team came in 15th place. Susan Rollins, a medical school tour guide, received an award for being the fastest woman in the competition. Aaron Shatzords, while students create some 15 floats. The Congress of the South-40 Center and warm up with hot chocolate and munch popcorn.

Grand marshall Harry E. Kisker will lead the parade of floats through University City at 4 p.m. on Saturday, Oct. 29. The Student-Alumni Relations Committee has invited alumni and their family and friends to ride in a decorated double-decker bus. To reserve space on the bus, call Rosemary Garagnani at 889-5930.

The parade will leave the Wohl Center parking lot and head west on Wydown to Big Bend, north on Big Bend to Delmar, east on Delmar to Skinker, south on Skinker to Forsyth and west on Forsyth to Francis Field.

Following the parade, the student-faculty touch football game will begin at 5:45 p.m. on the law school field. A tailgate picnic will start at 6 p.m. outside the Francis Field gates. During the picnic, the BMX Trick Team Cyclists and a jazz band will perform and the floats will be judged.

Kickoff time for the Battling Bears vs. the DePauw Tigers football game will be at 7 p.m. Saturday. The pom pon squad will perform during the halftime festivities at Francis Field, and the winners of the float awards and Gargoylne Guild awards will be announced. The Gargoylne Guild awards will be given to three faculty members and administrators whom the students have voted as having positively influenced them. To top off the 1983 Homecoming, and hopefully to celebrate the Battling Bears’ victory, a dance will be held immediately following the game in the Gargoylne and Mallinckrodt Gallery. The band Mystic Vision will perform.

A committee headed by senior Brett Eberhardt organized this year’s Homecoming. Sponsors include the Office of Student Activities, Residential Life, Alumni and Development, the Congress of the South-40 and Student Union.

Football Bears finishing season in fine form

With a 2-3-1 record in the first five weeks of the season, the WU football Bears enter the final three games with high hopes of finishing over the break-even level. The Bears stopped Culver-Stockton, 16-14, tied Centre College, 0-0; and blanked the University of Chicago, 10-0.

Then they lost a heartbreaker at Southwestern in Memphis, 27-24, when the host Tennessee club rallied for the winning touchdown, with a little over three minutes to play. An outstanding Wabash College blanked the Bears, 48-0, and Principia narrowly defeated the Bears, 17-14, on Oct. 22.

Remaining on the schedule is the homestanding game against DePauw on Saturday night, Oct. 29, a trip to Millbaps College in Jackson, Miss., and the season-finale on Saturday afternoon, Nov. 12, when Rose-Hulman Institute calls.

New coach Fred Remmy has recruited well and instilled discipline and strong fundamentals to mold a team which already has bettered the record of the last three years when the club was 2-7 each time. Tailback Gerald Dennis is the leading ground-gainer with 449 yards in five games for an average of 89.8 per game. He has 109 rushes for a 4.1 average game per rush. He also has scored two touchdowns.

After a slow start, quarterback Steve Sidies has been improving his passing with each game. And sopho more kicker Drew Van Horne has three field goals, including the decisive points against Culver-Stockton. Tim Ryan has taken over the punting chores and is averaging 39.8, and senior linebacker John Boyle has been another outstanding player.

A Horwitz—continued from p. 1

Hamburger was born in 1900 in Landeshut, Germany. He joined the faculty of WU in 1935 as an assistant professor of zoology. He was made associate professor in 1939, full professor in 1941, Edward Mallinckrodt Distinguished Service Professor of Biology in 1968 and professor emeritus in 1969. He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences, and he has received numerous honors, including the F. O. Schmidt Award in Neuroscience.

Levi-Montalcini was born in 1900 in Turin, Italy. She was a research associate at WU from 1947 to 1951, when she was named associate professor of zoology. She became a full professor in 1958 and professor emeritus of biology in 1977. She is a member of the National Academy of Sciences, the Society for Developmental Biology, the American Association of Anatomists and the Tissue Culture Association.

Cohen was born in New York in 1922. He joined the faculty of zoology at WU in 1953, where he worked with Levi-Montalcini on the isolation of NGF. He became assistant of biochemistry at Vanderbilt University in 1956, associate professor in 1962 and full professor in 1967.

Careers in law explored by alumni panel

Three WU alumni will discuss law-related careers during a “Career Connections” panel from 4 to 6 p.m. Thursday, Nov. 3, in the Ann Whitney Olin Women’s Building Lounge.

“Career Connections” is a series of panel discussions co-sponsored by Career Planning and Placement and the Student-Alumni Relations Committee. The program is free and open to the public.

Susan Sullivan, assistant dean of WU’s School of Law, will lead the panel discussion. The panelists are: Sally Barker, MA ’71, a partner in the law firm of Schuchat, Cook and Werner; Robert D. Benjamin, AB ’69, a partner in the law firm of Ruppert, Westhus and Benjamin; and Lloyd Jordan, BS ’77, founder of the law firm Bussey and Jordan.

For more information, call Rosemary Garagnani at 889-5930.

Homecoming—continued from p. 1

ords, while students create some 15 floats. The Congress of the South-40 is sponsoring a Float-Building Break Party from 9 p.m. to 1 a.m. for those who’d like to step inside Wohl Center and warm up with hot chocolate and munch popcorn.

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Marilyn Maracle, grants to researchers throughout the U.S. and abroad, bringing the number of scholars and fellows. Her book is scheduled for publication in the spring of 1985.

Marilyn Maracle, assistant professor of sociology, presented a paper at the 11th International Congress of the Latin American Studies Association, in Mexico City.

Betsy S. Rames has been appointed to the post of associate director for business placement at the School of Business and Public Administration. She previously worked as a commercial loan officer with Centerre Bank and as an administrator with IBM. She graduated in 1976 from DePaul University, where she worked part-time in the business placement office.

Lee N. Robins, professor of sociology in psychiatry at the WU School of Medicine, received the 1983 Distinguished Leadership Award from the Mount Holyoke Club of St. Louis on Oct. 27. The award was established by St. Louis area alumnae of Mount Holyoke College to recognize women who have made outstanding contributions to their fields or who have consistently upheld the highest standards in the practice of their profession. Robins, a magna cum laude graduate of Radcliffe College, has worked in the development of instruments to assess levels of mental disorder.

Graphic designer Bert Vander Mark, assistant professor of art, recently was awarded an honorable mention for his logo design entered in the Missouri Chamber of Commerce logo contest. He also recently completed a mural in the 30-bed pediatrics unit at St. Joseph Health Center in St. Charles, Mo.

David R. Lee, a research associate in the Department of Genetics at WU's School of Medicine, has been awarded a two-year, $41,000 special fellowship from the Leukemia Society of America. He is one of nearly 40 investigators receiving the special fellow award this year. The society also has awarded more than 65 five-year scholar and two-year fellow grants to researchers throughout the U.S. and abroad, bringing the number currently funded to about 200. Lee, a post-doctoral fellow, will isolate allogeneic T-cell clones against mouse leucine-transporting T-cell clones against mouse protein mutants to better understand the immune system.

Marilyn Maracle, a graduate student in sociology, presented a paper at the annual meeting of the American Sociological Association held in Detroit the first week of Aug. 29. The paper, "Stratification: Indian-White Relations," was delivered at the session on "Race and Ethnic Relations."

Mohamed A. Marzouk, professor and chairman of operative dentistry; Ronald D. Gross, assistant professor of operative dentistry; and Andrew L. Simonson, assistant professor of operative dentistry, have contracted to write a book tentatively titled Operative Dentistry — Modern Concepts and Practice, for Ishiyaku EuroAmerican Inc., publishers. The book is scheduled for publication in the spring of 1985.

Silvia Pedraza-Bailey, assistant professor of sociology, presented a paper, titled "Politics and Dysfunction: The Change in Attitudes of Cuba's Refugees From Martel," on Sept. 29- Oct. 1 at the 11th International Congress of the Latin American Studies Association, in Mexico City.

The future of health care in America to be discussed at Olin Conference

Virginia V. Weldon, deputy vice chancellor for medical affairs and professor of pediatrics at the WU School of Medicine, will be the keynote speaker at the Ninth Annual Mr. and Mrs. Spencer T. Olin Conference on Women at 11 a.m. Wednesday, Nov. 2, in Graham Chapel.

Weldon will speak on "Out of the Temple and Into the Market Place: Changing Perspectives in Medicine." Her lecture is part of the Assembly Series.

The one-day Olin Conference also will feature a panel discussion, led by Weldon, on "The Future of Health Care in America" from 2 to 4 p.m. in Edison Theatre. Both the lecture and panel discussion, along with a reception at 4 p.m. in the Ann Whitney Olin Women's Building Lounge, are free and open to the public.

The Olin Conference and the Mr. and Mrs. Spencer T. Olin Fellowships, which currently provide 26 women with financial support for graduate study at WU, are joint undertakings of the Monticello College Foundation and the University.

Weldon was named deputy vice chancellor in February 1983. She is also vice president of the WU Medical Center and is on the staffs of Barnes and St. Louis Children's hospitals. She began her career at the School of Medicine in 1968 as an instructor and was named professor of pediatrics in 1979.

She received a bachelor of arts degree from Smith College and a doctor of medicine degree from the University of Buffalo School of Medicine.

The panel participants are:

Ronald G. Evans, Elizabeth Mallinckrodt Professor and director of the Mallinckrodt Institute of Radiology, delivered the 38th Annual Russell D. Carman Lecture on Oct. 18 for the Greater St. Louis Radiological Society and the St. Louis Metropolitain Medical Society. Evans spoke on "Radiology 1984: Brother Big Business, Big Technology, Big Change."

Three faculty members in the Department of Oral Science, chairperson of the department, spoke during a panel discussion on "The Administration of Asian Area Studies in an Era of Declining Support: Emerging Resources." Hegel's subject was the "Washington University Program in Ethnic Studies: Dניוing Without Nodal Resource Funding." Robert Rolf, visiting assistant professor, delivered a paper, titled "Operative Dentistry and Mrs. Spencer T. Olin Conference on Women at 11 a.m. Wednesday, Nov. 2, in Graham Chapel.

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The panel participants are:
Friday, Oct. 28
7:30 p.m. Inter-Varsity Christian Fellowship Meeting, "Reflections of African Artistry." King McElroy, coordinator.

Saturday, Oct. 29
3-5 p.m. Inter-Varsity Christian Fellowship Meeting, "Changing Perspectives in Medicine." Virginia Weldon, WU deputy vice chancellor for medical affairs and professor of pediatrics. Cosponsored by WU and the Monticello College Foundation. Graham Chapel.

Monday, Oct. 31
7:30 a.m. The Medical Consequences of Smoking," Hidetoshi Kato, prof. of sociology, Gakushuin U., Tokyo. Brown Hall Lounge.

Wednesday, Nov. 2

Thursday, Nov. 3
2:30 p.m. Department of Mechanical Engineering Seminar, "Recent Progress in the Composites Field," K. L. Jerina, WU prof. of mech. engineering.

Monday, Oct. 31

Tuesday, Nov. 1
7:30 to 10 p.m. WU Jazz Ensemble Audition Series, Tietjens Hall. For audition times, call Cal Norwood, 523-1015.

Thursday, Nov. 3

Thursday, Nov. 3

Friday, Nov. 4

Friday, Nov. 4

Friday, Nov. 4
6 and 8:30 p.m. WU Association Travel Films, 7 and 9:30 p.m. and Mon., Oct. 31, 7 and 9:30 p.m. "Diva." $2. Brown Hall Aud. (Also Sat., Nov. 5, same time. Brown.)

Friday, Nov. 4
10:30 p.m. Hockey, WU Hockey Club vs. UMSL. Affton Rink.

Saturday, Nov. 5
1 p.m. Women’s Volleyball, WU vs. Fontbonne College. Women’s Building.

Wednesday, Nov. 2
10-19 calendar of the University of Missouri-St. Louis through the week of Oct. 24-Nov. 5. UMSL. Affton Blvd.

Thursday, Nov. 3
10:30 p.m. Hockey, WU Hockey Club vs. St. Louis Univ. News." Brown Hall.

Saturday, Nov. 5
1 p.m. Men and Women Swimming, WU vs. U. of Evansville. Forest Park Community College.

Thursday, Nov. 3
7:30 to 10 p.m. WU Jazz Ensemble Audition Series, Tietjens Hall. For audition times, call the Department of Music, 889-5581.

Wednesday, Nov. 2
8 p.m. Department of Music Lecture, "Singing Style at the Academie Royale de Music in Rameau’s Time," presented by Martin Carthy, John Renbourn and Jon Boden. Stix House, 6470 Forsyth.

Wednesday, Nov. 2

Monday, Oct. 31
7:30 p.m. WU Filmboard Series, "Singer Style at the Academie Royale de Music in Rameau’s Time," presented by Martin Carthy, John Renbourn and Jon Boden. Stix House, 6470 Forsyth.

Monday, Oct. 31

Friday, Oct. 28
7:30 p.m. Dallas Premium Presses." 615 S. Taylor Ave. Open 8:30 a.m.-5 p.m. weekdays.

Thursday, Oct. 27
8 p.m. Holy Roman Repertory Company Concert, "Musicology: Gothic, Romanesque, and Baroque." Directed by Holllis Huston, artist-in-residence in drama, and Nicholas McGegan, visiting artist-in-residence in music. Drama Studio, Mallinkrodt Center. Admission is $5; students only on Oct. 27. Tickets can be purchased in advance at the Edison Theatre box office or at the door. (Also Fri., Oct. 28, and Sat., Oct. 29, 8 p.m. Drama Studio.)

Thursday, Oct. 27
7:30 to 10 p.m. WU Jazz Ensemble Audition Series, Tietjens Hall. For audition times, call the Department of Music, 889-5581.

Monday, Nov. 1

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