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Washington University RECORD

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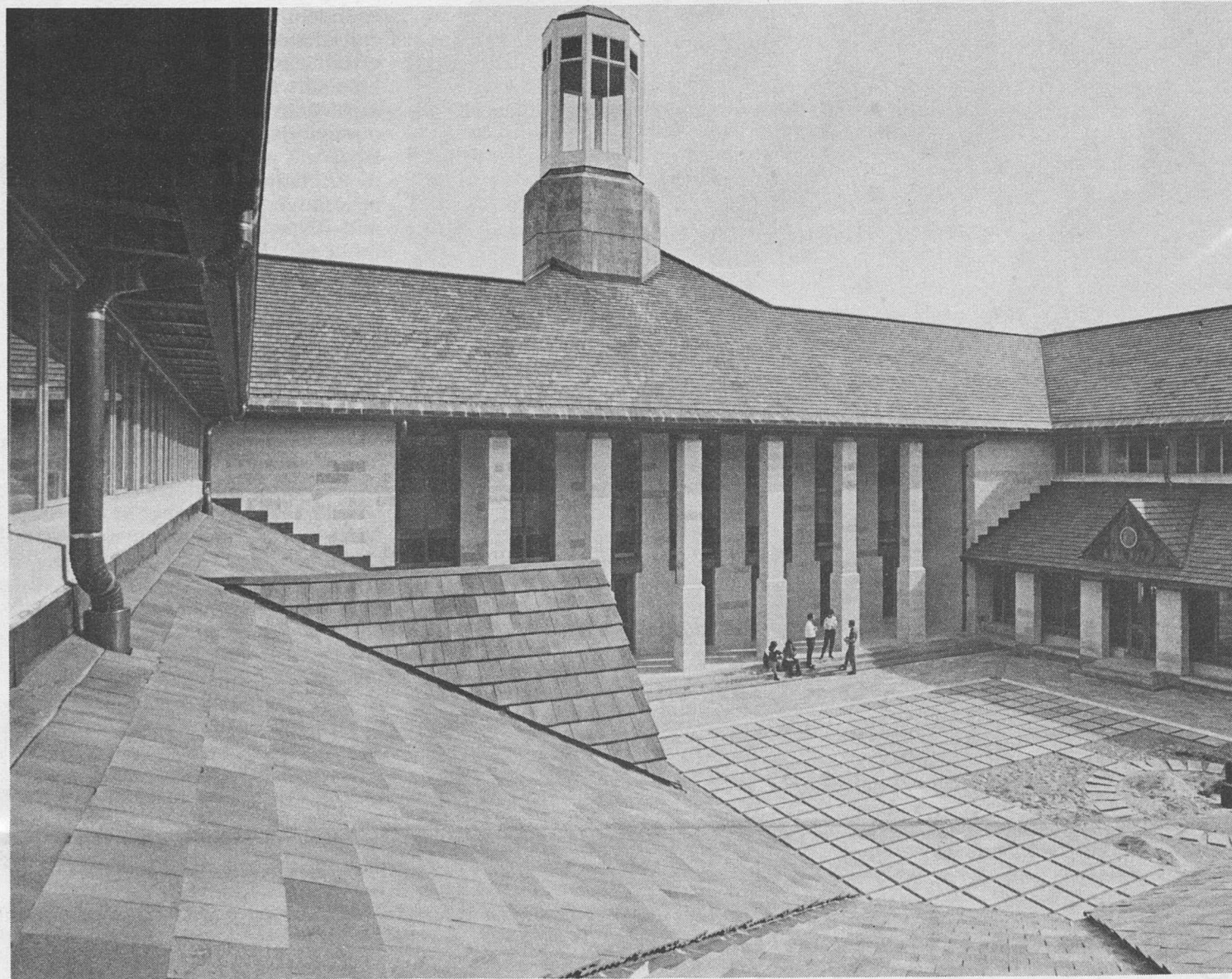


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Vol. 10 No. 28/April 3, 1986



Open for business: John E. Simon Hall, the largest academic building on the Hilltop campus, will be dedicated this Friday, April 4. The new \$13.5 million home of the School of Business is centered around a courtyard, which is now landscaped with magnolia trees and bushes. The 98-foot-high octagonal stair tower was inspired by the traditional stone towers atop Graham Chapel and Brookings and Ridgley halls. The 130,000 square-foot building is more than three times the size of the business school's former home, Prince Hall. For story and more photographs, see pages 4 and 5.

Spoehrer gift establishes chair in pediatrics

Harriet Spoehrer, a 1928 graduate of the College of Arts & Sciences, has announced a \$1 million gift to the ALLIANCE FOR WASHINGTON UNIVERSITY, a \$300 million fund-raising campaign announced in 1983.

The gift will establish the Spoehrer Professorship of Pediatrics in the WU School of Medicine.

The first occupant of the chair, Harvey R. Colten, M.D., became head of the Department of Pediatrics effective April 1, 1986, succeeding Philip R. Dodge, M.D., who is stepping down after 19 years as head of the department. Colten previously served as professor of pediatrics at Harvard Medical School, as well as chief of the Division of Cell Biology and director of the Cystic Fibrosis Program at Children's Hospital Medical Center, Boston.

Colten will serve as pediatrician-in-chief at Children's and Barnes hospitals, and as a staff physician at Jewish Hospital. All three hospitals are sponsoring institutions of the WU Medical Center.

Chancellor William H. Danforth said, "Mrs. Spoehrer again has shown her love for Washington University in the strongest possible way with this generous expression of support. She follows in the footsteps of her late husband, Hermann F. Spoehrer, who also was a dedicated alumnus of Washington University. She loves young people and has demonstrated an extraordinary commitment to the education of those who will contribute to our society's future."

Harriet Spoehrer was the 1973 winner of the St. Louis Globe-Democrat Woman of Achievement Award for service to youth and community, and also was honored by WU in 1984 with the Alumni Alliance Award.

She is a life member of the William Greenleaf Eliot Society, a member of the Women's Society of WU

Continued on p. 3

Champions: Law school teams capture titles

For the second time in four years, the WU School of Law has captured first place in a nationwide student trial skills competition.

In addition, another WU law school team recently won national and international titles in a student counseling skills competition. This year marked the first time a WU client counseling team competed for the national title.

At the National Trial Competition, held March 22 in San Antonio, Texas, the WU mock trial team defeated teams from the University of Georgia, Syracuse University, Wake Forest University, the University of Denver and the University of Notre Dame, before winning the championship. E. Thomas Sullivan, J.D., associate dean and professor of law, served as faculty coach for the mock trial team. The national mock trial competition is sponsored by the American Bar Association and the American College of Trial Lawyers.

The WU School of Law has advanced to the national mock trial competition the last six years. In 1983, a WU team also won first place in the national event. A 1983 team member received the prestigious George A. Spiegelberg Award for the best student trial advocate in the country.

Mark A. Lynch, a third-year WU law student from Topeka, Kan., re-

ceived the Spiegelberg Award this year. Besides Lynch, the other student on the winning mock trial team was Harry M. Haytayan of Boston, Mass.

A panel of distinguished trial

lawyers from throughout the United States presided over the final rounds of the national mock trial competition, which featured full jury trials conducted by law school students.

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Surrounding the first place National Trial Competition cup are (from left): Mark A. Lynch and Harry M. Haytayan, the two winning students; Philip D. Shelton, acting dean of the law school; and team coach E. Thomas Sullivan, associate dean and professor of law.



Harriet Spoehrer



Alpha Phi Omega members (from left) Frances Carbone, Sheela Mohan and Jon Findley brought along a "friend" on a recent visit to the Delmar Gardens Nursing Home in University City.

Forming friendships

Fraternity pledges community service

When Julie R. Quick assisted mentally and physically handicapped youths in the Special Olympics track and field competition, she was prepared to help them.

"But I soon realized the situation was the other way around," says Quick, a member of the Alpha Phi Omega (APO) service fraternity on campus. "Working with the Special Olympics was such a rewarding experience. The children actually were helping us."

"The youngsters didn't enter the competition with any expectations. To them, winning wasn't important — being a part of something and having fun was. They were just happy to know there were people who cared."

The local Special Olympics competition held in spring 1984 was just one of many University and community projects conducted by the 52-member group. Although other student organizations serve WU and the St. Louis area, such as the Campus Y's POCA (People Organized For Community Action), APO is the only service fraternity on campus. Each semester, the organization sponsors a pledge class for new members and hosts various initiation activities. However, APO is not part of the Interfraternity Council.

Based on the principles of the Boy Scouts of America, the main goals of the fraternity are to develop leadership and friendship among members, and to serve humanity. APO is a national association with more than 318 active chapters on college campuses across the country. Pennsylvanian scholar Frank Reed Horton founded the group as a male

fraternity in 1926. The WU chapter was organized in 1936 and became coed in 1975. Justin X. Carroll, director of student activities, is the current APO adviser.

The WU affiliate sponsors approximately 10 service projects a semester. Members have helped with the University's blood drive; split logs for poor families; informed the WU community about kidney donations during "Kidney Donor Days" at Mallinckrodt; and cleaned the Camp T-Bird Boy Scout Camp near Kirksville. A nationwide APO service project is the Ugly Man on Campus contest where members collect money to donate to various charities.

The students in the organization "really want to help people," says WU junior Lorri J. Davis, an APO member since last year. "That's our primary focus. Besides, we grow as individuals by aiding others."

Davis recalls a recent POCA project where APO members helped weatherize the homes of poor St. Louis residents. "Many of the houses were in extremely bad condition," she says. "The walls needed painting. The furnishings were sparse."

"One APO member who grew up in a sheltered environment was shocked," Davis says. "He didn't realize how some of these people live. I could see a change in him. He became more tolerant of others."

"APO opens your mind to new people and experiences," Davis says. "You learn to look beyond a person's outer self and value the human inside."

Working with the community also prompts many members to count their blessings, says Davis. APO recently sponsored a bowling and ice cream outing for a group of girls from ECHO, the Emergency Children's Home. During the activity, Davis met an 11-year-old girl living in her third foster home. "The girl wanted me to be her play mother," says Davis. "I didn't know what to say. Imagine being that young and totally unaware of a real family."

Communicating with the elderly is a favorite project for APO member Timothy P. Murphy, a WU junior. The group often brings pets to area nursing homes to provide therapy for residents. APO borrows the kittens and puppies from the Humane Society of Missouri through the pet therapy program.

"The experience with the elderly is irreplaceable," comments Murphy. "I've never had much interaction with older people. Visiting retirement homes is very touching. I always feel so good and worthwhile."

In addition to serving WU and the community, APO members enjoy a close-knit camaraderie with each other.

"Students gain a huge network of friends when joining APO," says Davis. "If there's no one around to eat dinner with, it's a pleasure to know I have a long list of APO brothers to call. We're a real support team."

For more information about APO, call Davis at 862-1904.

Carolyn Sanford

Jerusalem Post writer to report on Middle East

Hirsh Goodman, defense correspondent for the Jerusalem Post and consultant for CBS Television, will give the Israel Action Lecture in the Assembly Series at 3 p.m. Monday, April 7, in Graham Chapel. He will discuss "Perspectives on the Middle East."

A native of South Africa, Goodman moved to Israel in 1965. In the mid-1970s, he lived in St. Louis as a "shlichah," an Israeli representative to the St. Louis Jewish community.

Goodman has been with the Jerusalem Post since 1969. He is the paper's political commentator and contributes to publications throughout the world, including The New Republic, The Atlantic Monthly, The Sunday Times of London and the Los Angeles Times.

In 1985, Goodman was resident scholar at the Washington Institute for Near East Policy, where he published a paper titled "Israel's Strategic Reality: The Impact of the Arms Race."

Goodman has written an official history of Israel's Navy and more than a dozen documentary films. He is writing a book on Middle East policy.

The lecture is sponsored by the Israel Action Committee, Student Union, the Jewish Community Relations Council, Hillel Foundation and the Jewish Student Union. It is free and open to the public. For more information, call 889-4620.

Prizefighters' rise to success detailed in lecture

Throughout history, prizefighting has helped poor American males climb the economic ladder of success.

An April lecture at WU will examine why lower-income males are attracted to the sport and detail the fighter's search for a cultural identity.

Gerald L. Early, Ph.D., assistant professor of African and Afro-American Studies, will present the lecture, titled "The Poor Boy and the Quest for Cultural Identity: The Art of the Prizefighter's Autobiography," from 4 to 5:30 p.m. Thursday, April 10, in Room 349, McMillan Hall.

The lecture is based on Early's paper of the same name. The event, which is free and open to the public, is sponsored by African and Afro-American Studies.

"All the men who have pursued prizefighting careers have come from impoverished backgrounds," comments Early, who is on leave at the University of Kansas in Lawrence, Kan. "Some have become cultural heroes, such as Joe Louis, while others have turned out to be public enemies of incredible power, like Jack Johnson."

During the lecture, Early will detail what fame and notoriety means to the fighters. He has published several articles on prizefighting and is writing a book on the subject.

Early will deliver the lecture in two parts: the cultural history of boxing and a look at the boxers' autobiographies and what they can teach society about American males.

NOTABLES

Charles B. Anderson, M.D., head of the Division of General Surgery, has been named president-elect of the St. Louis Surgical Society for 1986. Anderson recently spoke to the Lee County Medical Society in Keokuk, Iowa, on "Carotid Artery Disease and Vascular Laboratory Studies."

Donald R. Calvert, Ph.D., professor of audiology, chairman of the Department of Speech and Hearing and director of the Central Institute for the Deaf, is author of the newly published *Physicians' Guide to the Education of Hearing-Impaired Children*. The book has a foreword by Hallowell Davis, M.D., research professor emeritus of otolaryngology in the School of Medicine. The book is for physicians, who usually are the first to confront the problem of a child's hearing impairment, frequently care for the child, and counsel the family over an extended period of time. The book is available through the Alexander Graham Bell Association for the Deaf, Washington, D.C.

Shanti K. Khinduka, Ph.D., dean of the George Warren Brown School of Social Work, is serving a four-year term as chairman of the National Association of Social Workers' (NASW) committee on publications. NASW periodicals include: *Social Work*, the largest circulation (106,000) journal in social welfare, published bimonthly; *NASW News*, the organization's official monthly newspaper; *Social Work Research and Abstracts*, the major reference journal in social work, published quarterly; *Social Work in Education*, a quarterly journal for social workers in schools; and *Health and Social Work*, the quarterly journal for health care practitioners. NASW also publishes books and monographs and the Encyclopedia of Social Work. With 100,000 members, NASW is the largest organization of professional social workers in the world.

Barry J. Linder, M.D., ophthalmology fellow, has been appointed to the board of advisers for Project Space Voyage, a space flight sponsored by the travel organization Society Expenditures which is making space flight available for tourism. The first flight is scheduled for Oct. 12, 1992, the 500th anniversary of the discovery of the New World by Columbus. Each flight will carry 20 passengers and five crew for an eight- to 12-hour flight. Five to eight orbits will be completed during the expedition. Linder attended the first board meeting recently in Seattle, Wash.

Mario Pyles, a junior in the College of Arts & Sciences, advanced through four rounds of the 1986 NCAA Division III National Wrestling Championships, winning and losing two matches. He fell one match shy of placing in the top eight, the requirement needed to be named a Division III All-America. The championships were held Feb. 28 and March 1 at Trenton State College in Trenton, N.J. Pyles, from Wichita, Kan., advanced to the national championships for the second consecutive year after winning the 134-pound weight class at the Midwest regional tournament at John Carroll University in Cleveland. He was seeded first at the regional tournament. Pyles ends the

1985-86 season at 21-6, which ups his career record at the 134-pound weight class to 58-16.

Thomas Schiff, D.D.S., head of the Division of Radiologic Services in the Department of Diagnostic Services at the School of Dental Medicine, recently delivered a three-day lecture on panoramic radiology at the dental school of the University of Texas Health Sciences Center in San Antonio, Texas. Schiff also serves as a visiting associate professor of diagnostic science at the University of Texas.

William S. Stone, director of the International Office, has been invited to China by the State Education Commission of the People's Republic of China. He will visit China April 3-17 as part of a 10-member delegation of foreign student advisers from across the country. During the trip, the group will meet with representatives of the commission and Chinese academic personnel. Members of the delegation also will view China's cultural attractions. The 1986 assemblage will be the second gathering of foreign student advisers invited to China by the commission. This is Stone's first visit to mainland China.

Karen L. Tokarz, LL.M., assistant professor of law and director of Clinical Education, has published an article titled "Separate But Unequal Educational Sports Programs: The Need For A New Theory of Equality" in Vol. 1 of the *Berkeley Women's Law Journal*.

Have you done something noteworthy?

Have you: Presented a paper? Won an award? Been named to a committee or elected an officer of a professional organization? The *Washington University Record* will help spread the good news. Contributions regarding faculty and staff scholarly or professional activities are gladly accepted and encouraged. Send a brief note with your full name, highest earned degree, current title and department along with a description of your noteworthy activity to Notables, Campus Box 1070. Please include a phone number.

RECORD

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Washington University Record (USPS 600-430; ISSN 0745-2136), Volume 10, Number 28, April 3, 1986. Published weekly during the school year, except school holidays, monthly in June, July and August, at the Office of News and Information, Campus Box 1070, Washington University, St. Louis, Mo. 63130. Second-class postage paid at St. Louis, Mo.

News items for the medical record section are published once a month and may be sent to Medical Campus, Box 8065.

Address changes and corrections:
Postmaster and non-employees: Send to: *WU Record*, Campus Box 1070, Washington University, St. Louis, Mo. 63130.
Hilltop Campus Employees: Send to: Personnel Office, Campus Box 1184, Washington University, St. Louis, Mo. 63130.
Medical Campus Employees: Send to: Personnel Office, Campus Box 8091, 4550 McKinley Ave., Washington University, St. Louis, Mo. 63110.



Displaying the first place award for the International Client Competition are (from left): team coach Kenneth M. Chackes, visiting assistant professor of law; and winning students Lee W. Barron, Ellen A. Blau and Grace Blaich.

Law teams—continued from p. 1

The WU team conducted six trials at the event.

Lynch and Haytayan showed "tremendous skill" in presenting the trials, says Sullivan. "It was great to see them win. I have no doubt that they will be great trial lawyers."

The law school's client counseling team defeated 12 teams from across the country to win the ABA's National Client Counseling Championship held March 22 in San Antonio. The team then won the first International Client Counseling Championship March 23, where team members competed with teams from Canada and Great Britain. The international event also was held in San Antonio. It was co-sponsored by the ABA, the Canadian Bar Association and the British Law Society.

Lee W. Barron of Elsah, Ill., Grace Blaich of Popular Bluff, Mo., and Ellen A. Blau of Golden Valley, Minn., comprised the client counseling team. Barron and Blaich are third-year law students. Blau is a second-year student.

Karen L. Tokarz, LL.M., assistant professor of law and director of the law school's Clinical Education Program, was faculty adviser for the intramural client counseling competition. Kenneth M. Chackes, J.D., visiting assistant professor of law, was faculty coach for the winning team.

Students at the national counseling competition conducted simulated client interview and counseling sessions, and were judged by a panel of lawyers, counselors and psychologists.

"I was thrilled that the counseling team won the national and international competitions," comments Chackes, who served as faculty coach for the first time this year. "Our team beat teams from over 120 schools. They did a fantastic job."

Blau says, "Entering the competition helped me realize there are other ways to excel in law school besides sitting in the library and doing research. I'm more confident now of

my legal abilities."

"The competition was one of the most exciting moments of my life," says Blaich, who will join a law firm in Popular Bluff, Mo., after graduation. "The tension was like a roller coaster, but when they announced WU was the winning team it was exhilarating."

Philip D. Shelton, J.D., acting dean of the School of Law, said, "All of us are extremely proud of these students. The tradition of excellence in our advocacy skills program has reached a new highpoint as a result of these students' effort, talent and energy."

"The school is especially grateful to Sullivan and Chackes for the countless hours they devoted to helping these students prepare for the national championships," Shelton adds.

"We were fortunate to have Chackes on staff this year as a visiting clinical faculty member," notes Tokarz. "As a legal practitioner, Chackes has extensive counseling experience and was able to impart invaluable advice to the team." Chackes is a well-known local civil rights attorney.

Spoehrer—continued on p. 1

and a director for the St. Louis Children's Hospital.

Mrs. Spoehrer also has made significant contributions to the School of Engineering and College of Arts and Sciences. In 1983, she established the Hermann F. Spoehrer Scholarships in the School of Engineering in memory of her late husband. A total of 17 students have benefited from this program so far.

Her husband was a 1924 graduate of the School of Engineering and Applied Science and former vice-president of Sporlan Valve Co. in St. Louis. He was a highly respected civic leader who was directly associated with a number of youth programs in St. Louis.



Sen. Thomas F. Eagleton, D-Mo., who will join the WU faculty after his retirement from Congress at the end of this year, conducts a class in the new business school. Most classrooms in Simon Hall have a "case study" or amphitheater arrangement with raised tiers of seats wrapping around the instructor's area. The design puts every student relatively close to the instructor and provides maximum student-to-student eye contact — an important benefit of group discussions.

Simon Hall

'This building makes people proud'

The opening of John E. Simon Hall, the new \$13.5 million home of the University's business school being dedicated this Friday, marks the beginning of a new era of excellence. Growing out of a 1981 task force's recommendation to have a business school of national stature, Simon Hall offers dazzling, state-of-the-art facilities arrayed with a powerful host of educational and research components.

(Paul A. Volcker, chairman of the Board of Governors of the Federal Reserve System, will speak at 4 p.m. Tuesday, April 15, in Graham Chapel. His appearance is part of the business school's celebration of its new home and is open to the WU campus community, business school alumni and invited guests.)

"Our aim is to be one of the front-ranking research-oriented business schools in the country. Now our facilities match that objective," said Robert L. Virgil D.B.A., dean of the business school. "I've not seen a business school building anywhere that touches this one."

Exterior walls of Osage red granite with Indiana limestone trim, large bay windows and shingled roofs with gabled ends characterize Simon Hall, the largest academic building on the WU Hilltop campus, and tie it harmoniously to the campus's Gothic-style architecture.

The inside of Simon Hall, however, is a different story. Interior space is designed to create a technologically sophisticated environment that should serve the school's complete needs well into the next century.

The great student hall, sunbathed

by skylights, is accented by framed interior windows. Strong horizontal lines from the railings on open passages above suggest a post-modern school of architectural thought. The main staircase, open by design, is lighted naturally during the day by a glass cupola and in the evening by striking steel fixtures. On the second floor, continuous strip windows provide a bright, airy, contemporary look. Neutral grey walls accented in hues of green and mauve, art-deco-inspired side lighting in hallways, and

richly polished terrazzo floors add style and flair.

A glass-enclosed courtyard is surrounded by classrooms, whose sizes vary. Classroom lighting is a custom-designed, indirect fluorescent system that throws shadowless light over the desktops. Perimeter lights provide just enough illumination for note-taking during visual presentations.

The student computing center on the main floor highlights the significance of computers in modern business education. Within easy reach of



The business library was well planned, keeping the specific needs of business students clearly in mind. Major business indexes are conveniently close, and annual and 10-K reports for all major public companies as well as back copies of journals such as Forbes, Fortune and ABA Banking are on microfiche. Current periodicals are grouped around spacious, lamp-lighted reading tables.

all students, it is one of the most frequently used resources in Simon Hall.

The business school computing system is becoming part of a University-wide network able to transmit pictures, symbols and graphs, as well as data, campus-wide and between the Hilltop and Medical campuses. Lyn D. Pankoff, Ph.D., associate dean of computing, and designer of the system, calls the school's computer installation "a model for others."

The business library puts current periodicals, reference materials and microfilm/microfiche resources at hand — by the entrance. Bound periodicals and books are upstairs in open stacks. Able to hold 28,000 volumes, the business library has a computerized online catalog that provides information on both its own buildings and those of other libraries on campus, greatly reducing time spent looking for resources.

"A sense of community has long been an important tradition of this school," said Virgil. "Students, faculty and staff get to know each other well. The informal environment offers lots of opportunity for interaction, and we wanted our new building to support that tradition."

Although Simon Hall is more than three times the size of Prince Hall, the business school's former home, it manages to recreate the same sense of collegiality around its glass-enclosed courtyard.

Hallways from the three major entrances of the building converge at the main stairway overlooking the courtyard. French doors in a curtain of glass walls provide access. On the second floor, faculty offices wrap around the courtyard. "This arrangement has some notable advantages," said Virgil.

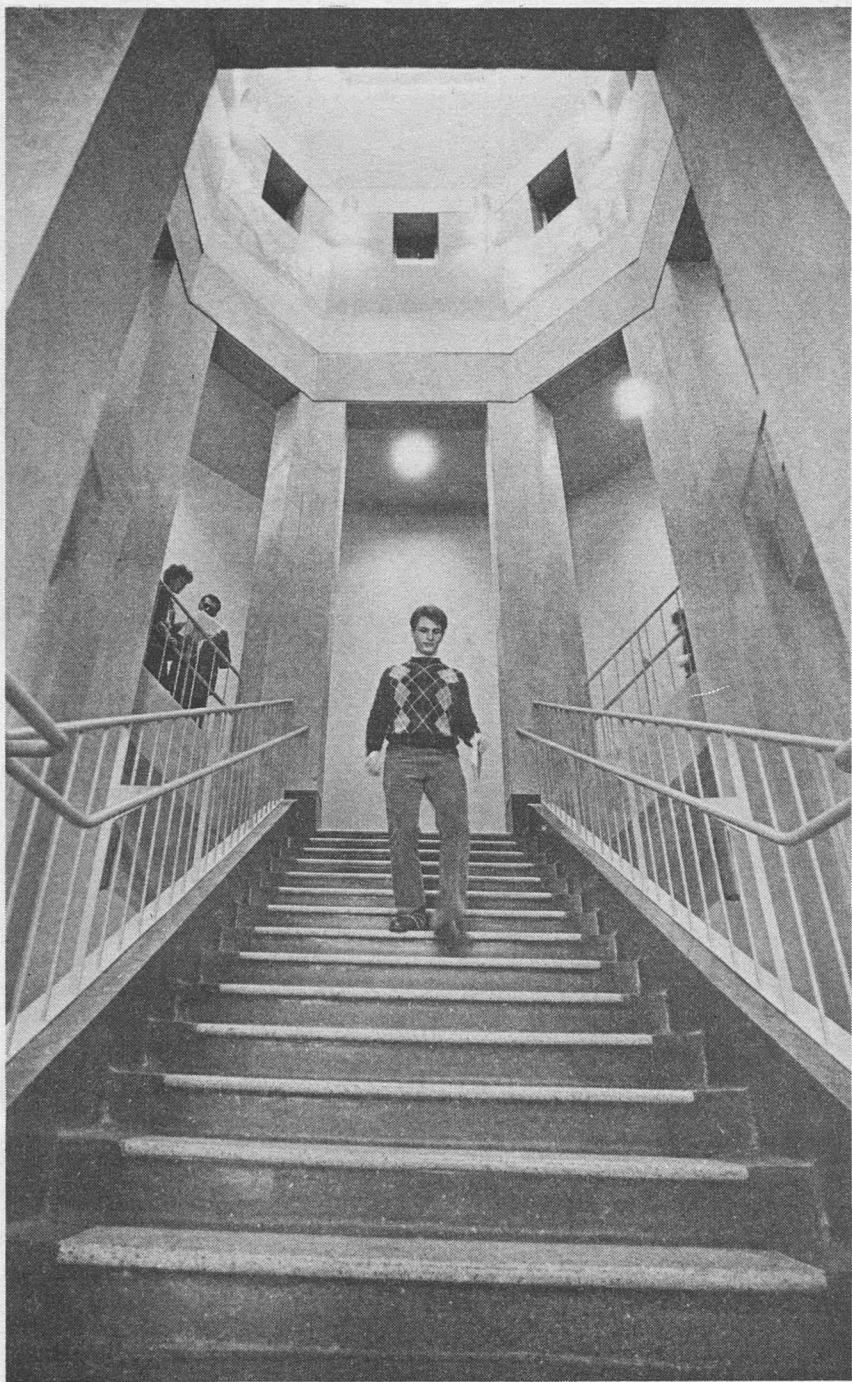
"We're not a departmentalized school," he explained. "The faculty does a great deal of cooperative work across subject areas. That kind of interaction is difficult to achieve — but critical to maintain. In our former quarters, we were hampered by the fact that faculty offices were widely scattered. This building supports faculty interaction."

Students are well accommodated by two student lounges and a cafe located off the great student hall running from the southeast entrance to the main foyer. On the mezzanine above this corridor are group study rooms used for case analysis and discussion groups. Book lockers are also in this area as well as below near student mail files.

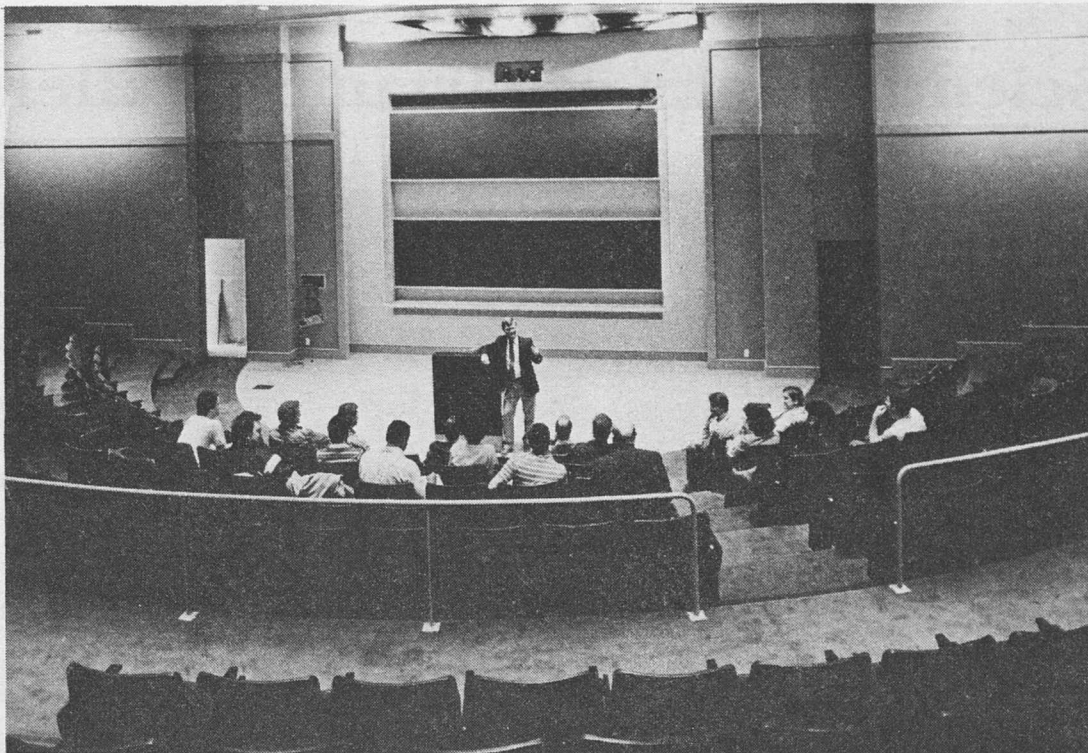
The business placement center, which opens directly off the northeast entrance, provides ample space for placement interviews. It also offers room for more complete services, including workshops on resumes and job hunting, videotaped practice interviews, and individual and group counseling.

Simon Hall was designed by the prize-winning Boston architectural firm of Kallmann, McKinnell & Wood, in association with Murphy, Downey, Wofford & Richman of St. Louis. It bears the name of philanthropist John E. Simon, a distinguished St. Louis citizen and leader of the investment community for more than half a century.

"This building makes people proud," Virgil said. "It is a symbol that the University, the business community, our friends and alumni are deeply committed to supporting this school as we develop into one of the best in the country."



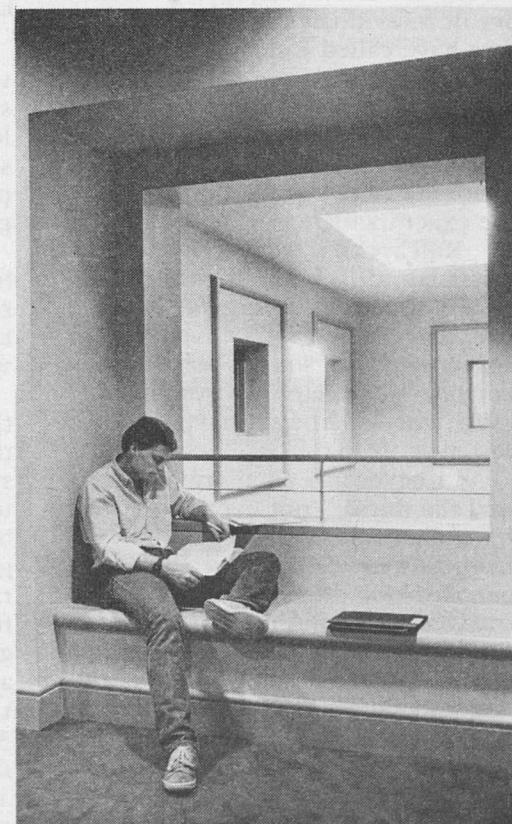
Hallways from the three major entrances of the building converge at the main stairway overlooking the courtyard. Open by design, the main stairway is lighted naturally during the day by a glass cupola and in the evening by striking steel fixtures.



The auditorium (above), located on the lower level, has a capacity of nearly 400 with seats arranged in amphitheater style. It is fully equipped for videotaping, video projection, voice and sound reinforcement, film projection and multi-projector slide shows. The school's executive MBA program has a home (below) of its own in the executive education center of Simon Hall. Serving business people who want to earn an advanced degree while they continue their professional careers, the EMBA is aimed at mid-career executives with at least seven years experience. A classroom, lounge, eating area and entry to the computing center make up this efficient, self-contained suite.



The student computing laboratory on the main floor contains 23 computers and has a capacity for 39. From this room students can use one of the PC workstations to access the business school's DEC mainframe or the University's IBM mainframe. A sophisticated software system provides SAS, BASIC, and FORTRAN programming languages, spreadsheet capability, tape scans, file transfers, automated backups of hard disks on ATs, a "PHONE" utility for instantaneous user-to-user communications through keyboard and terminal, text processing, data base work, and an output formatter and capability beyond that provided by text processing.



On the second floor, open interior windows provide a bright, airy, contemporary look. Built-in seats provide comfortable study areas on both floors of Simon Hall.

Photographs by Herb Weitman, Peter Zimmerman and David Kilper.

MEDICAL RECORD

Scientist links aspartame to allergic reactions in five women

Aspartame, the sweetener known as NutraSweet and Equal, caused allergic responses in two women tested at WU School of Medicine. The allergic reactions, demonstrated through a scientific study, were reported by allergist/immunologist Anthony Kulczycki, M.D., in the February issue of *Annals of Internal Medicine*.

G. D. Searle and Co., developers of the sweetener, cooperated with Kulczycki by supplying him with the aspartame and placebo used to test the patients.

The women tested were referred to Kulczycki, associate professor of medicine, for evaluation of their frequent hives, itching, rashes and swelling. He determined that their episodic symptoms repeatedly correlated with aspartame consumption.

One woman drank two or three cans of aspartame-sweetened diet soda daily; the other ingested even more aspartame as part of a commercial weight loss program. On some occasions prior to this study, their hives and rashes were accompanied by swelling of the throat that required emergency treatment.

"Relatively small molecules like aspartame — composed of common amino acids — are unlikely to cause allergy," said Kulczycki. "Indeed, that was my initial reaction, but now we've proven scientifically that it can happen."

After confirming the relationship between NutraSweet and allergic reactions, Kulczycki contacted the U.S. Food and Drug Administration. Of some 700 aspartame complaints filed with the FDA, at least 62 look very much like the two cases just reported, although they were not scientifically studied, he said. Since his *Annals* article appeared, a number of individuals in the St. Louis area have called Kulczycki with similar complaints.

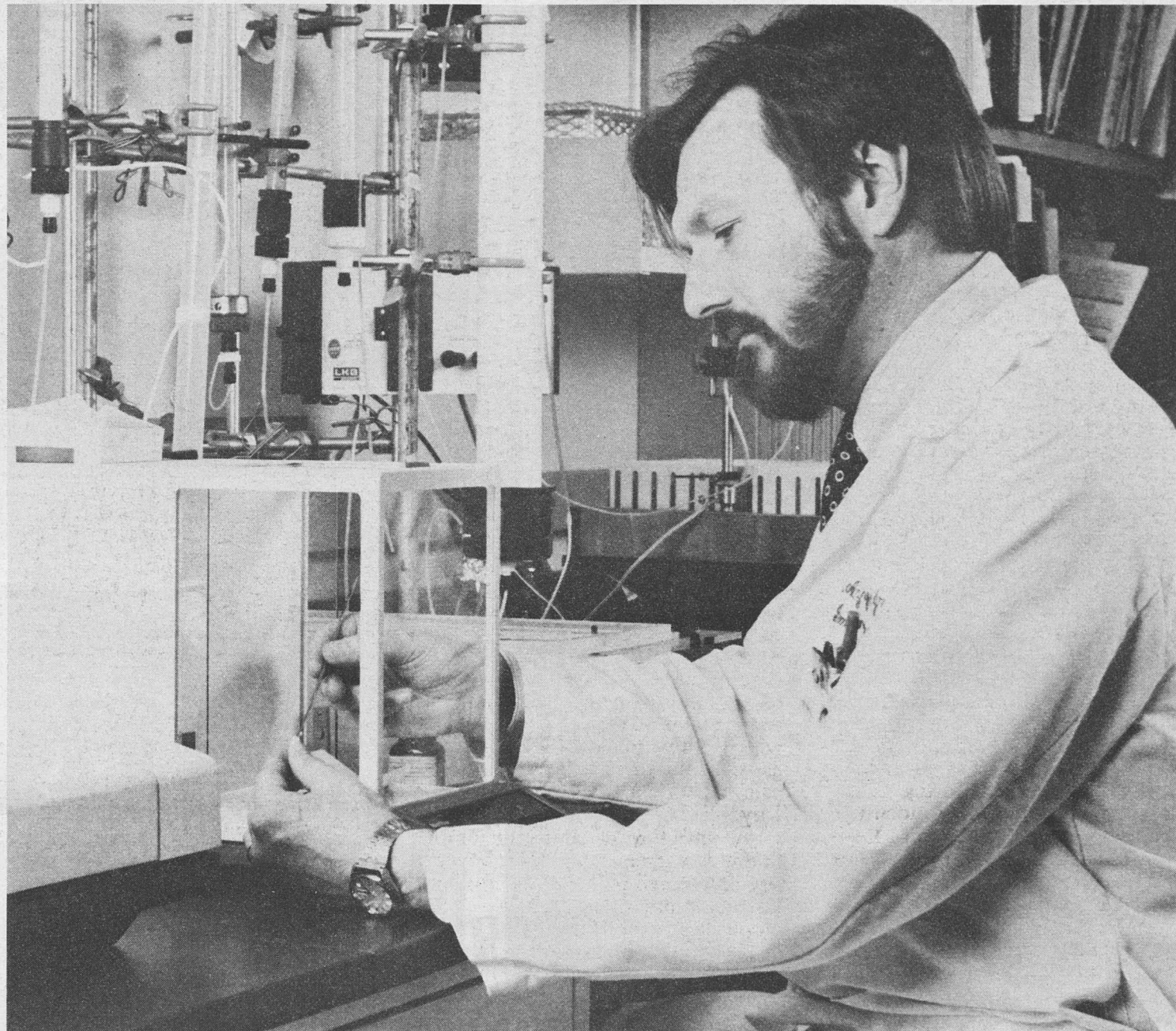
"How many of these individuals are really allergic to NutraSweet?" asked Kulczycki. "I think this may be relatively rare, but we do not know the exact incidence."

Kulczycki, a Barnes Hospital staff physician, calls his first confirmed case of aspartame allergy a classic one. A registered nurse living in Springfield, Ill., sought help from her personal physician in November of 1983 when she began having skin reactions.

"I never had an allergy before," said the nurse, "not even hay fever. I remember thinking if it might be from NutraSweet because I had begun drinking diet soda that had NutraSweet in it, and used Equal sometimes to sweeten breakfast cereal or tea."

"While we were going through all the tests and measures to see what could be causing the hives, the symptoms were getting more severe. I had hives or a rash every day for a year. Sometimes I'd get seven- to nine-inch welts on my skin. Swelling in my joints made it hard for me to move around, and one night I woke up with my throat swollen and had trouble breathing," she added. "Sometimes I had hives so bad that I wouldn't go out of the house."

The patient's physician sent her



Anthony Kulczycki, M.D., WU allergist/immunologist, has confirmed that aspartame, the sweetener known as NutraSweet and Equal, caused allergic reactions in five women who participated in a double-blind, placebo-controlled study. The women received evaluations of their frequent hives, itching, rashes and swelling. Kulczycki determined that their episodic symptoms repeatedly correlated with aspartame consumption.

to Kulczycki to see if he could help solve her problem. To positively identify aspartame's role in her symptoms, Kulczycki used Searle-supplied capsules containing either placebo or aspartame.

Kulczycki's study was "double-blind"; to avoid possible bias in the results, neither he nor the patient knew whether aspartame or placebo was administered until after the test.

"Within a short time of taking the NutraSweet capsules," explained the woman, "I had an allergic response." She and the other patient tested had no response to the placebo, but within hours of aspartame ingestion developed itching, hives, rashes and swelling. Their responses followed test doses of 25 to 75 milligrams. A 12-ounce diet soda contains approximately 150 milligrams of NutraSweet and a packet of Equal has 35 milligrams. The FDA's acceptable daily intake of aspartame for a 150-pound person is 3,400 milligrams.

"Now that I stay away from it, the problems are gone," she adds. "Occasionally I'll get hives again and I'll go back and check on what I ate. Sure enough, someone had added aspartame."

NutraSweet is composed of two amino acids — aspartic acid and phenylalanine — and was discovered

serendipitously during the search for an agent to block the release of stomach acid. Searle pursued study of the compound as an artificial sweetener and received FDA approval for dry-packaging in 1981 and wet-packaging in 1983.

The sweetener is now produced by NutraSweet Company, which Monsanto established as a wholly owned subsidiary after it bought Searle in 1985.

More than 100 million Americans regularly consume aspartame and at least 90 products are artificially sweetened with it. The amino acids comprising aspartame are found naturally in meat, fish, vegetables, fruits and milk.

Kulczycki says there was little reason to suspect that aspartame could cause allergies because the aspartame molecule is small and its major metabolites are not foreign to the human body. He suspects the problem may result from aspartame or one of its minor derivatives, such as a diketopiperazine, binding to proteins and initiating an allergic response.

Another report on a different type of immunologic response to aspartame encouraged Kulczycki to pursue this investigation. Early in 1985, Nelson L. Novick, M.D., of Mount Sinai Medical Center in New

York, reported a patient who three times developed inflammatory nodules in the fatty tissue on her legs after aspartame ingestion.

Persons who suspect they have had an allergic response to aspartame are encouraged to contact Kulczycki at 362-9049.

This research was supported in part by the National Institutes of Health. At WU School of Medicine, Kulczycki is an associate professor of microbiology and immunology in addition to his position in the Department of Medicine.

Editor's Note — There are three additional patients who have experienced hives in double-blind, placebo-controlled challenge procedures. The individuals, all women under the age of 50, had histories of similar allergic responses after consuming NutraSweet products. In summary, there are five individuals tested by Kulczycki who have shown allergic responses in double-blind studies. Kulczycki reported the five-patient study at the annual meeting of the American Academy of Allergy and Immunology, held last week in New Orleans.

Don Clayton

Tolmach to deliver Failla memorial lecture

Leonard J. Tolmach, Ph.D., professor of radiation biology at WU's Mallinckrodt Institute of Radiology (MIR), has been selected by the Radiation Research Society to deliver the 1986 Failla Memorial Lecture, at the Society's annual meeting on Tuesday, April 15 in Las Vegas, Nev. He will discuss "Time, Cells and X-rays."

Since its inception in 1963, the Failla Lectureship has become one of the highest honors awarded nationally in the field of radiation research. Tolmach is the first from WU to receive this honor.

Tolmach is recognized for his outstanding contributions to radiation biology. Among his earliest achievements was the development in 1963 of a gentle but powerful technique for isolating cells that are all in the same phase of the cell reproductive cycle. This permitted synchronization of large numbers of cells with respect to their movement through the cycle, and has facilitated quantitative studies of cell cycle events by many laboratories.

At WU School of Medicine, Tolmach and his colleagues from the Division of Radiation Oncology have used the technique to study the effects of radiation and of chemicals on cells at specific times during the cycle. They were the first to identify variations in cell responses to X-rays at different points in the cycle, and to establish the correlation between "cell-age" and various radiation responses. These results enhanced fundamental concepts behind the treatment of cancer with radiation therapy — the basis of which is the inactivation of cells by ionizing radiations.

In the late 1960s, Tolmach was the first to describe the repair of potentially lethal damage in mammalian cells. His later research, and that of other scientists, has focused in depth on how radiation affects DNA (genetic material) replication, a process that occurs during each cell generation cycle, and also on a number of agents and conditions that can modify these effects.

Collaborating with WU engineers

in 1975, Tolmach developed AUDRI, an automated device for delivering reagents to culture dishes. AUDRI provides computer-controlled manipulation of the dishes and reagents on a programmed basis, thereby allowing experiments to run for days without human assistance. This has proven to be extremely useful for studying the time-course of changes in cell viability caused by various postirradiation treatments.

In addition, Tolmach coordinated the development of a system for the simultaneous production of several time-lapse films of cells growing in culture, using a single microscope and camera. The films have provided considerable information about the cellular effects of irradiation.

Studies with caffeine comprise most of the current research in Tolmach's laboratory at the School of Medicine. In his long-term quest to understand the effects of radiation on cells, Tolmach has focused his studies on the repair of damage in irradiated cells. Caffeine is significant to these studies because, at concentrations considerably higher than that which can be tolerated by people, it has the ability to prevent cellular repair — although no one yet knows why.

Tolmach received his doctorate in physical chemistry at the University of Chicago in 1951. He was an instructor and assistant professor of biophysics at the University of Colorado School of Medicine for seven years, before coming to WU in 1958 to set up the School of Medicine's first laboratory of radiation biology utilizing cultured animal cells.

The Radiation Research Society was founded in 1952, to encourage the advancement of radiation research and professional cooperation between the four scientific disciplines directly involved in radiation studies. It has a national membership of over 1600 chemists, biologists, physicists, and physicians. The Failla Lecture was established in 1963, as a living memorial to the Society's founder and second president.

McDonnell Douglas employees donate gift to support skin disease research

The employees of McDonnell Douglas, through their Employee Charity and Community Services Program, have donated \$15,000 to WU School of Medicine to help support research on epidermolysis bullosa (EB), the "thin skin" disease.

The medical school's EB center is one of the few sites in the nation to study this rare genetic skin disorder that blisters, scars, and destroys the skin and mucous membranes. Fourteen varieties of EB threaten the lives of 25,000-50,000 Americans, most of them children, and WU researchers are trying to find out why. Under the direction of Eugene A. Bauer, M.D., they hope to

develop a cure or more effective treatment.

Bauer is professor of dermatology at the medical school and a physician at Barnes, Children's and Jewish hospitals, sponsoring institutions of the WU Medical Center.

The St. Louis EB center was created in 1983 with a \$25,000 donation from the Dystrophic Epidermolysis Research Association. It is supported locally by the Epidermolysis Bullosa Foundation, which is working to raise \$1 million to start an operating endowment.

More information is available from the EB center at 362-2304.



Match Day: 101 senior medical students "met their match" on Mar. 19 when they picked up computer slips informing them of their internship location. Fifty-five percent received their first choice hospital and 50 percent will remain in St. Louis to serve internships.

Silbert receives renewed funding from cancer society

David F. Silbert, M.D., professor of biological chemistry at the WU School of Medicine, has received renewed funding from the American Cancer Society.

A grant totaling \$85,000 will be used to support Silbert's research program, "Sterol and the Biogenesis and Function of Surface Membranes." This research is concerned with the surface membrane of cells and, in particular, with the role of cholesterol in regulating the properties of this membrane. This is the major normal location for cholesterol in the body, and since surface membranes are involved in a number of physiological processes including the control of cell growth, the function of cholesterol at this site is of broad biological significance.

"Funding from the American Cancer Society has been instrumental in my development and major research accomplishments," Silbert

says.

Silbert joined WU as an American Cancer Society postdoctoral fellow in the Department of Biological Chemistry in 1966. He was named assistant professor of biological chemistry in 1968 and associate professor of biological chemistry in 1973. He became full professor in 1977.

He received his medical degree in 1962 from Harvard University. While attending Harvard, he was a National Science Foundation Summer Research Fellow and a Josiah Macy Foundation Fellow. After completing his internship and residency in medicine at Barnes Hospital, a sponsoring institution of the WU Medical Center, he was a research associate in the Laboratory of Molecular Biology at the National Institute of Arthritis and Metabolic Diseases.

Silbert has more than 40 publications on his research.

Dental students seek patients to treat during licensing examinations

The WU School of Dental Medicine is seeking dental patients for treatment by senior dental students during their licensing examinations. Those examinations will be held from May 17 to May 20. Any dental treatment rendered during the licensing examinations will be provided at no charge.

Potential patients for the licensing examinations must first be screened to determine if their dental needs qualify them. Free dental screenings will take place March 31 through April 5 at the School of Dental Medicine, 4559 Scott Ave. To schedule an appointment for a free dental screening, call 454-0300.

CALENDAR

April 3-12

LECTURES

Thursday, April 3

9:30 a.m. Michael and Irene Karl Masters of Medicine Lecture Series, "Potassium Homeostasis," Samuel O. Thier, president of the Institute of Medicine, National Academy of Sciences, and former chairman, department of internal medicine, Yale University School of Medicine. Clopton Aud., 4950 Audubon Ave.

4 p.m. Dept. of Philosophy Colloquium, "The Religious Background of 17th-Century Philosophy," Richard H. Popkin, WU prof. of philosophy. Hurst Lounge, Duncker Hall.

4 p.m. Central Institute for the Deaf Research Seminar, "Perception of Temporal Patterns," Dirk Povel, prof. of psychology, U. of Nijmegen, the Netherlands. Second floor aud., clinics and research bldg., 909 S. Taylor Ave. For more info., call 652-3200, Ext. 71.

4 p.m. Public Affairs Thursday Series, "Contemporary Terrorism," Victor T. LeVine, WU prof. of political science. Eliot 200 C & D.

4 p.m. Dept. of Chemistry Seminar, "Charge Particle Emission Studies of Hot Spinning Nuclei," Mort M. Kaplan, prof. of chemistry, Carnegie-Mellon U. 311 McMillen.

8 p.m. Dept. of Germanic Languages and Literatures Lecture, "Bilder der Fremde und Bilder von Deutschland in der Exil-Lyrik," Wolfgang Emmerich, prof. of German, Universität Bremen. Hurst Lounge, Duncker Hall.

Friday, April 4

9:15 a.m. Dept. of Pediatrics 11th Alexis F. Hartmann Sr. Lecture, "The Unique Endocrine Milieu of the Fetus," Delbert A. Fisher, director, Perinatal Research Laboratories, Harbor-UCLA Medical Center, Torrance, Calif. Clopton Amphitheatre, 4950 Audubon Ave.

2:30 p.m. Dept. of Engineering and Policy Seminar, "Modeling and Simulation of Environmental and Resource Systems," Louis Alfeld, affiliate professor, WU Dept. of Engineering and Policy. 104 Lopata.

4:30 p.m. Dept. of Education Seminar, "Why Should One Consider Teaching in the '80s?" Karen Fairbank, secondary teacher, Thomas Jefferson School; Thomas Hoerr, director, New City School; Daniel Liston, WU asst. prof. of education; Meg Richardson, elementary teacher, gifted and talented program, University City schools; and Maya Zuck, director, WU Nursery School. Hurst Lounge, Duncker Hall.

5:30 p.m. Jewish, Christian and Islamic Dialogue, "Interfaith Dating and Marriage." Services at 5:30 p.m., dinner at 6:30 p.m. and program at 8:30 p.m. Sponsored by CIRCuit and Student Union. Hillel House, 6300 Forsyth Blvd.

6:30 and 9 p.m. WU Association Film Travel Lecture Series, "The Orient Express," Kathleen Dusek, filmmaker. Graham Chapel. For ticket info., call 889-5122.

Saturday, April 5

2 p.m. Jewish, Christian and Islamic Dialogue. Marriage rituals, prayer, scripture, sin and redemption will be discussed. Sponsored by CIRCuit and Student Union. Private dining rooms, Wohl Center.

7 p.m. Assembly Series Lecture with Ted Koppel, anchor of ABC News' "Nightline" and "Viewpoint" news programs. Field House, athletic complex.

Sunday, April 6

Noon. Jewish, Christian and Islamic Dialogue, "Self-Identification: What Is Important to Today's College Student." Lunch at noon and discussion at 1:15 p.m. Sponsored by CIRCuit and Student Union. Lunch costs \$3.50 a person. Newman Center, 6352 Forsyth Blvd.

Monday, April 7

2 p.m. Dept. of Chemical Engineering Seminar, "Attempts of a Small Chemical Engineering Department to Do Process Research," Octave Levenspiel, prof. of chemical engineering, Oregon State U. 100 Cupples II.

3 p.m. Assembly Series Lecture, "Perspectives on the Middle East," Hirsh Goodman, defense correspondent for the Jerusalem Post. Sponsored by the Israel Action Committee, Student Union, Jewish Community Relations

Council, Hillel Foundation and the Jewish Student Union. Graham Chapel.

Tuesday, April 8

Noon. WU Medical School Irene Walter Johnson Rehabilitation Institute Employee Fitness Program Lecture Series, "Exercise in the Older Adult." IWJ Institute Library, 509 Euclid Ave.

4 p.m. Dept. of German Lecture, "Austria's Neutrality in Today's World," Hans Sabaditsch, Austrian Consulate General. Also sponsored by the Western European Studies Program and the International Affairs Program. Hurst Lounge, Duncker Hall.

Wednesday, April 9

9 a.m. Second Annual Gerontology Conference, "Independent Living and the Elderly." Co-sponsored by WU's Memory and Aging Project. J.C. Penney Bldg., UMSL campus.

11 a.m. Lewin Lecture, "The Culture of Freedom," Mario Vargas Llosa, author of *War of the End of the World*. Graham Chapel.

4 p.m. WU Medical School Irene Walter Johnson Rehabilitation Institute Employee Fitness Program Lecture Series, "Exercise in the Older Adult." Schwartz Hall, Barnes Hospital.

4:30 p.m. The Undergraduate Lecture in Political Economy with Morris Fiorina, prof. of government, Harvard U. Eliot 200 C & D.

4:30 p.m. Public Health and Preventive Medicine Seminar Series, "Comprehensive Approach to Preventive Pediatrics," Paul Simons, WU assoc. prof. of pediatrics. Wohl Aud., 4960 Audubon.

Thursday, April 10

2:30 p.m. Dept. of Mechanical Engineering Colloquium, "Acoustic Emission Monitoring of Composites," Timothy J. Fowler, distinguished fellow, Monsanto Co. 100 Cupples II.

3 p.m. Women's Studies Program Colloquium, "The Lesbian Perspective," Julia Penelope, assoc. prof. of English and women's studies, U. of Nebraska. Hurst Lounge, Duncker Hall.

4 p.m. Depts. of Philosophy and Mathematics Colloquium, "What Is Modern ZFC Set Theory?" John Pais, WU graduate student in philosophy and mathematics. 118 Brown.

4 p.m. Dept. of Chemistry Seminar, "Pentadienyl-Metal-Phosphine Chemistry," John R. Bleeke, WU asst. prof. of chemistry. 311 McMillen.

4 p.m. African and Afro-American Studies Program Lecture, "The Poor Boy and the Quest for Cultural Identity: The Art of the Prizefighter's Autobiography," Gerald Early, WU asst. prof. of African and Afro-American Studies. 349 McMillan.

Friday, April 11

2 p.m. Dept. of Earth and Planetary Sciences Seminar, "Ore-Forming Processes Through Geologic Time," Charles Meyer, U. of California/Berkeley. 102 Wilson.

4 p.m. Dept. of Romance Languages and Literatures Lecture, "L'Imaginaire-de-litterature romantique," Joseph Bianco, WU asst. prof. of romance languages and literatures. Women's Bldg. Lounge.

4 p.m. Dept. of Music Lecture Series, "Elliott Carter's Compositional Process," David Schiff, Reed College. Blewett B-8.

PERFORMANCES

Friday, April 4

8 p.m. WU Performing Arts Area Presents Ibsen's "A Doll's House" at Edison Theatre. (Also Sat., April 5, same time, Edison.) General admission is \$5; WU faculty, staff and students, \$4.

MUSIC

Thursday, April 3

7:30 p.m. Martin Luther King Jr. Symposium "Gospel Choir Night," featuring several visiting choirs from area churches. Graham Chapel.

Friday, April 4

8 p.m. WU Symphony Orchestra Concert. Holmes Lounge.

Saturday, April 5

3 p.m. Dept. of Music Student Voice Recital with Ann Lofquist, soprano, and Robert O'Connor, baritone. McMillan Cafeteria.

Sunday, April 6

8 p.m. Dept. of Music Senior Recital with Jon Kerckhove, WU bachelor of arts in composition candidate. Steinberg Aud.

Wednesday, April 9

8 p.m. WU Jazz Ensemble Concert. The Gargoyle, Mallinckrodt Center.

Friday, April 11

8 p.m. Guitar Society Guest Artist Series with the Los Angeles Guitar Quartet. Graham Chapel. General admission \$8; students and senior citizens, \$5. Tickets are available from the WU Dept. of Music. For info., call 889-5581.

EXHIBITIONS

"19th-century Art From the Permanent Collection." Through April 13. Gallery of Art, upper gallery. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-4523.

"Gunter Grass Prints." Through April 27. Gallery of Art, print gallery. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-4523.

"Modern German Prints and Drawings From the Collection." Through April 27. Gallery of Art, lower gallery. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-4523.

"Circa 1945," an exhibit of work by St. Louis artists during the 1940s. Through April 20. Bixby Gallery, Bixby Hall. 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends.

FILMS

Thursday, April 3

7 and 9:45 p.m. WU Filmboard Series, "L'Avventura." \$2. Brown Hall.

Friday, April 4

7:30 and 9:45 p.m. WU Filmboard Series, "After Hours." \$2. Brown Hall. (Also Sat., April 5, same times, and Sun., April 6, at 7 p.m., Brown.)

Midnight. WU Filmboard Series, "Damnation Alley." \$2. Brown Hall. (Also Sat., April 5, same time, and Sun., April 6, at 9:15 p.m., Brown.)

Monday, April 7

7 and 9:30 p.m. WU Filmboard Series, "The Women." \$2. Brown Hall. (Also Tues., April 8, same times, Brown.)

Wednesday, April 9

7 and 8:45 p.m. WU Filmboard Series, "Beauty and the Beast." \$2. Brown Hall. (Also Thurs., April 10, same times, Brown.)

Friday, April 11

7:30 and 9:45 p.m. WU Filmboard Series, "Desperately Seeking Susan." \$2. Brown Hall. (Also Sat., April 12, same times, and Sun., April 13, at 7 p.m., Brown.)

Midnight. WU Filmboard Series, "Death-trap." \$2. Brown Hall. (Also Sat., April 12, same time, and Sun., April 13, at 9:15 p.m., Brown.)

SPORTS

Wednesday, April 2

3 p.m. Men's Tennis, WU vs. Principia College. Tao Tennis Center.

Friday, April 4

3:30 p.m. Women's Tennis, WU vs. Wheaton College. Tao Tennis Center.

Saturday, April 5

1 p.m. Baseball Doubleheader, WU vs. Blackburn College. Kelly Field.

Tuesday, April 8

3:30 p.m. Women's Tennis, WU vs. St. Louis U. Tao Tennis Center.

Friday, April 11

4 p.m. Men's and Women's Track and Field, WU Five-Way Meet. Teams are WU, Missouri Baptist, Central Methodist, Westminster and U. of Missouri-Rolla (men only). Francis Field.

Saturday, April 12

1 p.m. Women's Tennis, WU vs. Lincoln U. Tao Tennis Center.

1 p.m. Baseball Doubleheader, WU vs. Greenville College. Kelly Field.

MISCELLANY

Thursday, April 3

9 p.m. Thursday Night at the Rat sponsored by Thurtene, the junior men's honorary society. Umrathskeller.

Friday, April 4

1 p.m. WU Business School's First 5K Fun Run. It starts at the east Francis Field gate. WU community is invited to participate. There is no fee. For more info., call Barb McKay at 889-4573.

Saturday, April 5

10 a.m. University College Short Course, "Egypt and Morocco: Lands of Antiquity," Michael Gomez, WU asst. prof. of African and Afro-American Studies. Four Saturdays through April 26. \$50 registration fee. For class location and registration info., call 889-6759.

Sunday, April 6

1 p.m. WU Engineers Weekend Egg Drop Competition. Shepley Hall.

2-4 p.m. Campus Y 75th Anniversary Open House. Campus Y, Umrath Hall.

Monday, April 7

5:30 p.m. Lesbian Issues Discussion Group, sponsored by the WU Lesbian Organization. Call 889-5943 or stop by the Women's Resource Center at 125 Prince Hall for meeting location.

Tuesday, April 8

10-11:30 a.m. University College Short Course, "Understanding Mozart: Three Perspectives," Michael Beckerman, WU asst. prof. of music. Three Tuesdays through April 22. \$40 registration fee. For class location and registration info., call 889-6759.

1-2:30 p.m. University College Short Course, "Women in Japan: From Sun Goddess to Office Lady," Susan Videen, WU visiting assistant professor of Chinese and Japanese. Four Tuesdays through April 29. \$50 registration fee. For class location and registration info., call 889-6759.

Wednesday, April 9

10 a.m.-noon. Personal Computing Education Center Short Course 002, "Computing Basics," Karen Sanders, computer specialist. Free to WU community. To register, call 889-5813.

Thursday, April 10

9 p.m. Thursday Night at the Rat sponsored by Thurtene, the junior men's honorary society. Umrathskeller.

Calendar Deadline

The deadline to submit items for the April 24-May 3 calendar of the *Washington University Record* is April 10. Items must be typed and state time, date, place, nature of event, sponsor and admission cost. Incomplete items will not be printed. If available, include speaker's name and identification and the title of the event; also include your name and telephone number. Address items to King McElroy, calendar editor, Box 1070.