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Argonne Director To Deliver Compton Lecture

Walter E. Massey, director of the Argonne National Laboratory and member of the WU Board of Trustees, will deliver the annual Arthur Holly Compton Memorial Lecture at 11 a.m. Wednesday, March 25, at Graham Chapel. His lecture will be on the topic “Science and Education in a Democratic Society.”

The Compton Lecture annually invites an outstanding scientist to talk on campus in memory of Compton, former WU Chancellor and Nobel Prize-winning physicist.

Born in Hattiesburg, Miss., in 1938, Massey earned a BS at Morehouse College in 1958 and an MA and PhD from WU in 1966.

He was a physicist at Argonne from 1966 to 1968, when he joined the faculty at the University of Illinois as assistant professor of physics. In 1970 he went to Brown University, where he was associate professor and professor of physics and, in his latter four years there, dean of the college.

Massey became director of the Argonne Laboratory in 1979. He is also a professor of physics at the University of Chicago.

A National Science Foundation fellow in 1962, Massey was awarded the Distinguished Service Award of the American Association of Physics Teachers in 1975.

Chemistry Committee Reviews Progress in Lab Safety Issues

Among those who listened closely two weeks ago to two students’ allegations about safety and health hazards in WU undergraduate chemistry laboratories were members of the department’s safety committee.

Composed of six faculty and staff members, the committee is headed by Dabney K. White, assistant professor of chemistry, and Joseph L. Kurz, professor of chemistry. For the past two years, the committee quietly has spearheaded what one member described as a major evaluation and revision of safety and waste disposal practices in departmental laboratories.

“There are still problems in the department, but we are working actively to correct them. We look forward to and welcome student participation,” White said.

The nine-page report by William C. Sullivan Jr., a junior in environmental science, and William L. Collins, a senior in sociology, charged that some safety equipment in laboratories, such as protective glasses, was inadequate; that ventilation in laboratories should be improved; that students were not being educated sufficiently in safe lab procedures; and that toxic

Bookstore Expansion Will Add New Services, Browsing Space

The WU Board of Trustees has approved plans for construction of a 20,000 sq. ft. addition to the WU Bookstore in Mallinckrodt Center. Construction will begin later this spring and is expected to be completed in approximately 12 months. The new section is targeted for operation by fall 1982.

Floor space for book sales will be nearly doubled in the completed facility, allowing the number of volumes in the general book department to increase two-fold to 20,000, and giving the textbook department greater flexibility in display. New services, such as check-cashing, copy center, self-service postal facility and sorely needed office and storage space will also be added.

The two-story addition will extend 96 feet from the bookstore’s northern exterior wall toward and slightly into the circular driveway. The redesign of this area will result in the loss of one parking space. The top level of the addition will connect evenly with the current facility’s entrance floor, while the lower level will be accessible by stepping down from the present lower level. Greater ceiling heights in the addition, as well as a skylight running along the intersection with the present building, will produce a feeling of spaciousness in the facility.

The general book and textbook department will be housed on the entrance level. Highlighting the area will be more display and shelf space for faculty books and records, more room for browsing, a small area for rare and collectors’ books, and an autograph area for visiting and resident authors.

All non-book sales, shipping, receiving and storage areas will also be on the lower level.

New services will be housed on the upper level. Management offices will have space on this floor, as well as the accounting office.

Bookstore manager Paul R. Scheffel, one of those involved in the planning, said that lack of space and the staffing, security and traffic problems created by the facility’s tri-level design

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Narrow aisles, crowded by long lines at the cashier, may be a thing of the past when the bookstore addition opens in fall 1982.
Social Worker Aids Progress Of Inner City Housing Project

The sight of men standing idly on street corners, warming themselves over trash can fires, was once a common one on the northern fringes of downtown St. Louis. Gross neglect and deterioration plagued the area, and residents—refugees of urban renewal in other parts of the city and many dependent on welfare—drifted in and out of the bleak housing.

Today, this scenario does not describe the near north side community. The 14-year struggle of Jeff-Vander-Lou Inc., supported for many years by Jack Kirkland, WU associate professor of social work, Macler C. Shepard, president of the corporation, and others, has changed the tenements, vacant lots and junkyards bounded by Jefferson and Natural Bridge boulevards and Olive and Sarah streets into a thriving community.

Jeff-Vander-Lou Inc., a non-profit neighborhood economic development corporation, began in 1966 with the ultimate goal of combating the social forces which sustain poverty. With public funds, private and corporate donations and loans from St. Louis banks, the corporation has constructed and rehabilitated some 1,000 units of housing, two day-care centers, a shoe factory, a senior citizens’ housing development and a communications school for high school youths. Now internationally recognized, the corporation has $22 million in fixed assets and is planning for the next phase of neighborhood development—the Dr. Martin Luther King Jr. Shopping Mall, which will create more funds for the corporation and jobs for neighborhood residents.

Kirkland has been a volunteer with the Jeff-Vander-Lou team of marketing experts, business leaders, architects, builders and concerned residents almost since its inception. Currently a consultant to the corporation, he believes its work can eliminate such chronic social problems as apathy and joblessness. He measures its progress by the growth of new and rehabilitated housing which has given residents a feeling of pride and community. “The next step is the shopping mall, which will keep money in the community for longer periods of time and move the community toward self-sufficiency,” Kirkland said.

The George Warren Brown School of Social Work has helped Kirkland to work on the Jeff-Vander-Lou project by relieving him of many of his academic duties. The school also regarded the project as a vibrant laboratory for students in social work. “Rehabbing” is a crucial part of Jeff-Vander-Lou Inc.’s program to revitalize that neighborhood and solve social ills.

Eyes protected from spills by safety goggles, a chemistry student carefully takes measurements during an experiment.

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substances were handled and disposed of improperly.

In White’s opinion, the issue of laboratory safety has two aspects: proper physical environment and education.

One of White’s major tasks during the past year has been to monitor compounds used in 200-level organic chemistry courses. She explained that in Organic Chemistry Laboratory II (Chemistry 258), for example, each student is given four “unknown” compounds which must be identified through experimentation. White has surveyed the literature to determine the toxic properties of these 160 “unknowns,” plus approximately 100 other compounds used in the lab. As a result of her study, about a dozen compounds have been removed from these experiments.

“New data on the toxicity of organic chemicals is published each month,” she said. “We try to keep on top of developments in this rapidly changing area.”

Because of the committee’s concern about possible toxins in undergraduate labs, several compounds, including benzene (a suspected carcinogen) and other solvents, are being replaced by more benign substances. Compounds such as mercury are being more closely monitored after a recent spill in a Chemistry 432 laboratory.

Disposal of wastes from experiments is a current problem, White said, with no wholly acceptable solution. “We now recycle some compounds and store others until they are buried at a chemical dump in Wright City, Mo.,” she said. “While it would be environmentally preferable to incinerate wastes, no commercial incinerator currently operates in Missouri. Because of rapidly changing laws and regulations, commercial companies have been reluctant to operate in this state. It is a pressing national problem.”

White believes educating students is as crucial to overall laboratory safety as improving environmental conditions.

Working toward this end, the committee has established a section of the chemistry department library for a collection of materials on safety issues and recent research on toxins. Safety practices are also covered in laboratory manuals and lectures.

The committee’s efforts to increase student consciousness about safety has met some resistance, White said. “We hope that this current attention to safety will encourage students to take basic precautions, such as wearing safety glasses, tying their hair so that it does not hang loosely, and refraining from eating in the labs, without our having to insist upon it,” White said. “We don’t want people to be worried in the labs. We want them to learn and enjoy themselves.”
BOOKSTORE—continued from p. 1

have seriously hampered bookstore operations for several years. Because of existing loading docks and Mallinckrodt’s central location on campus, it was decided to expand the current facility rather than move to another location, he said.

A major advantage of the addition will be the wider range of services which will be available, comparable to those offered at such institutions as Stanford University and the University of Chicago. “The services provided by campus bookstores usually go way beyond books and supplies,” Scheffel said. “The bookstore staff is very excited at the prospect of offering more in book and non-book services than they have been able to provide in the current limited facility.”

Scheffel said the bookstore is self-supporting from sales and does not receive support from the University’s central fiscal unit. The addition will be financed with bookstore operating and reserve funds.

The addition’s exterior will be sheathed with red granite panels, making it harmonious with Mallinckrodt Center’s overall design. The WU Campus Facilities Planning Committee advised on the structure’s exterior. The St. Louis architectural firm of Smith and Entzroth is the architect for the addition.

James F. Jones Jr., associate professor of French and chairman of a university-wide bookstore advisory committee, said the committee unanimously accepted the proposal to expand the bookstore several months ago and recommended to the Board of Trustees that the University proceed with the plan as soon as possible.

Other members of the committee were Estelle Brodman, librarian at the School of Medicine; Milica Banjanin, associate professor of Russian; Lawrence W. Conlon, professor of mathematics; Harry E. Kisker, dean of student affairs; Mark H. Leff, assistant professor of history; and Renata Rotkowitz, director of library public services and collection development of the WU libraries.

Tyson Offers Tours for WU Community

The Tyson Research Center in Eureka, Mo., will offer tours of the facility to members of the WU community and their families on Sunday, April 5, and Saturday, April 18. Led by Richard W. Coles, director of the center, the two-and-a-half hour tours will begin at 9:30 a.m. and 1:30 p.m. each day. The tours are held to acquaint the University community with the Center, which is not usually open to the public. To reserve a place, call 938-5346 on Mondays, Wednesdays or Fridays.

Chemist Receives Grant to Study Short-Lived Organic Molecules

Born in a flash and gone in less than one-millionth of a second, carbenes are an unusual, man-made form of carbon. Their reactions are swift, strong and puzzling to scientists because they are unlike most other organic molecules.

Describing the source of carbenes’ mysterious properties is the object of a three-year, $180,000 grant awarded by the National Science Foundation to Peter Gaspar, WU professor of chemistry. The grant, in part a continuation of Gaspar’s past work, began in February.

According to Gaspar, carbenes have two rather than the usual four bonds found in carbon compounds. They are among the very few molecules which can exist in different forms because of the position—not the number—of electrons.

Until recently, chemists thought they understood the relationship between electron distribution and the chemistry of a carbene, Gaspar said. Whether their explanation is truly comprehensive is a question he hopes his study can answer.

He will use a variety of methods to synthesize carbenes in the laboratory. Shining a light on certain chemical compounds is one way. When molecules in the solution absorb the light, they split into carbenes that rapidly change into more stable end products. Another way is to freeze the solutions at supercool temperatures so that the intermediate carbenes are suspended in a solid, inert matrix. A third method involves aiming a burst of laser light at the solution for less than one-billionth of a second. Because carbenes have a lifetime of 1,000 times as long, additional lasers can be flashed in quick succession, enabling the chemist to take spectroscopic readings—a way to identify the type and quantity of molecules by how much light they absorb.

Gaspar is collaborating on parts of the project with J. Dewey Holten, WU assistant professor of chemistry.

Students Take Top Honors for Engineering Papers

For the second year in a row, WU students have taken top honors in the St. Louis Area’s Institute of Electrical and Electronics Engineers Student Paper Contest. Robert H. Lewis, a senior of electrical engineering from Merion Station, Pa., won first place for his paper, “Ion Engine and Mass Driver Electric Propulsion Systems for Spaceflight.” Another senior in electrical engineering, Timothy L. Scherr of Cheyenne, Wyo., won second place for his paper, “Spread Spectrum Communications: Theory, Performance, and Applications.”

The WU students competed against students from four other well-known engineering schools: the University of Missouri at Columbia and Rolla, and the University of Southern Illinois at Edwardsville and Carbondale.
Students’ Spring Task, Finding Jobs, Eased by Placement Services

The first signs of spring are, for many of us, harbingers of lazy summer days by the swimming pool. For graduating students, it signals the beginning of an arduous and sometimes frustrating task—finding a job.

Job placement at WU is decentralized and highly diverse. The schools of Business, Engineering and Law conduct their own job-search campaigns on behalf of their students, and arts and sciences and social work students are assisted by the Office of Career Planning and Placement Services. The nature of each school, the level of demand for its graduates and the students themselves all dictate the way each school will conduct its placement activities.

The School of Engineering has a highly organized on-campus interviewing program. Out of approximately 325 engineering graduates at all degree levels, between 250 and 275 will participate in on-campus interviews.

Janet T. Kevrick, placement officer, School of Engineering, said that more and more students are relying on the interviews to find jobs. She attributes this to the high demand for capable engineers and computer technicians and the school’s reputation. Major companies in the petroleum, electronic, aerospace and consumer product industries conduct interviews at WU nearly year-round.

The undergraduate and graduate business schools have an even more formalized recruitment process. Resumes of seniors and second-year MBA students are compiled into books and distributed to over 300 major companies, banks and investment firms. Out of 115 graduating MBA students, 100 are represented in the resume book, and the same number participated in on-campus interviews. Interviews are held from October through early December and again from January until spring break.

Companies may select certain students to interview on the basis of their resumes. But the school requires that these companies also be available to other interested students, says Leo A. Eason, director of business school placement.

The School of Law Placement Office has increased its on-campus interviewing program recently. Some 75 law firms and government agencies principally from St. Louis, Chicago and Kansas City interview on campus. Out of an average graduating class of 200 students, approximately 20 percent will go through on-campus interviews. Students seeking jobs elsewhere can get help on preparing resumes and locating prospective employers.

Arts and sciences graduates may face a more rigorous job search than their cohorts in engineering, business or law. Half of all arts and sciences graduates goes on to graduate or professional school, while the other half looks for jobs. Peter Warshaw, director of Career Planning and Placement Services, explained that while arts and sciences students may interview with companies on campus through the business or engineering school, he encourages arts and sciences students to send out their own letters and resumes. “I am more interested in developing a student’s own recruitment skills through seminars on resume writing and interviewing techniques,” he said.

The Career Planning and Placement Services office has virtually no facilities for conducting on-campus interviews, forcing them to borrow facilities for the Peace Corps and the school districts that do recruit arts and sciences students on campus. A portion of the Career Planning and Placement Services budget is extended to the business and engineering schools to allow arts and sciences students to participate in those interviews.

The number of arts and sciences students who do interview through the business and engineering schools is relatively small: 36 arts and sciences seniors interviewed at the School of Engineering this year and 42 seniors interviewed at the School of Engineering. Before they may participate in these interviews, they are counseled by Career Planning and Placement staff on resume writing and interviewing techniques. Carol E. Hogan, assistant director of the service, said, “The emphasis at our office is on assuring that all arts and sciences graduates are adequately prepared for the job search.”
Two members of the School of Fine Arts faculty currently have exhibitions at area art galleries. Recent drawings by Lucian Krukowski, professor of art, will be exhibited through April 5 at the Timothy Burns Gallery, 393 N. Euclid Ave., second floor. Viewing is from 12 noon to 5 p.m. Tuesday through Sunday, or by appointment. Paper-cut works by Robert C. Smith, professor of art, are on display through March 28 at the Martin Schweig Studio, 4658 Maryland. Gallery hours are 10 a.m. to 5 p.m., Tuesday through Saturday.

Law Alumni Capps, Eppenberger, Cited

Two WU law alumni received Distinguished Alumni Citations at the annual luncheon meeting of School of Law alumni yesterday at the Missouri Athletic Club.

They are Fred A. Eppenberger (JD ’28) and George H. Capps (JD ’39). Both men were selected for their distinguished careers and their service to the law school and the University.

Eppenberger, a partner in the St. Louis firm of Husch, Eppenberger, Donohue, Elson & Cornfeld, has been in the private practice of law for more than half a century. He helped to draft Missouri’s adoption law and juvenile court codes.

Capps’ career has been in business, and he has never practiced law in the traditional sense. He is president of Capital Coal and Coke Company, president of Mid-America Cars Inc., and chairman of Capitol Land Company. He also is chairman of the WU Board of Trustees.

The awards luncheon followed the Tyrrell Williams lecture at which U. S. Solicitor General Wade McCree spoke.

Two Off-Campus Student Art Shows Planned

In addition to the three WU Master of Fine Arts thesis exhibitions on campus which have already been announced, two student shows are coming up at off-campus locations. One School of Fine Arts graduate student, Khiri Zain, is having a solo show at the Museum of Westward Expansion beneath the Gateway Arch on the riverfront through April 3, and a graduate student foursome will show its work at Famous-Barr’s Clayton auditorium.

Zain’s exhibition includes 40 impressionistic black and white and color photographs of the Gateway Arch, selected from among hundreds which he has taken while studying at WU. Captivated by the monumental Eero Saarinen Arch on the riverfront, Zain, a Malaysian, has devoted endless hours to photographing its many moods.

Those exhibiting at the department store in a show entitled “Explorations—Metal/Paper/Plaster” are: Marci Davis, David Jaworski, Leslie Weissman and Madeleine Soloway. Their show of furniture, sculpture, glasswork, jewelry, prints and drawings will open with a reception from 4 to 7 p.m. Sunday, March 28, and will run through April 8. Selected items will be for sale.

Major Medical Rates

To Increase Next Month

Major medical rates will go up approximately 7.5 percent in all categories of coverage April 1. For those with Blue Cross/Blue Shield coverage as well, the major medical rate will increase from $4.50 to $4.84 for employees, $11.37 to $12.23 for families. For those with no base plan, the major medical rates will increase from $10.18 to $10.95 for employees, $25.51 to $27.43 for families. The rate change will be reflected in final March paychecks.
Calendar
March 20-March 26

Friday, March 20


9 p.m. Alcohol Awareness Program All-Campus Party, Wohl Center, lines C and D.

Saturday, March 21
9 a.m. Neural Sciences Program, "The Role of the Nucleus Tractus Solitarius in Central Regulation of the Respiratory and Cardiovascular System," Arthur D. Loewy, WU assoc. prof. of anatomy and neurobiology, 928 Medical Sciences Bldg., 4570 McKinley.

Sunday, March 22

7:30 p.m. International Folk Dancing Class. Recreational dancing, 9 p.m. UmRath Lounge.

Monday, March 23
11 a.m. Department of Civil Engineering Seminar, "Analysis of Stiffened Plates by the p-Version Finite Element Method," Brett D. Taylor, structural analyst, ACF industries, AMCAR Division. 100 Cupples II.

2:30 p.m. Department of Chemical Engineering Seminar, "Heat Transfer and Microcirculation in Tumours," Rakesh Jain, prof. of chemical engineering, Carnegie Mellon U. 100 Cupples II.


4 p.m. Department of Psychology Colloquium, "A General Processing View of Human Memory," Fergus I. M. Craik, prof. of psychology, WU of Toronto. 102 Eads.


8:30 p.m. School of Architecture Lecture, "Eccentric Spaces: Manierism Revisited," Carolyn Valone, prof. of art history, Rome. Steinberg Hall Aud.

Tuesday, March 24
11 a.m. Department of Pathology Lecture, "Cell Kinetics and Prognosis of Breast and Large Bowel Cancer," John S. Meyer, dept. of pathology, Jewish Hospital, Third floor, W. Bldg., 606 S. Euclid.


Wednesday, March 25


Thursday, March 26
12:10 p.m. WU Gallery of Art Noon Gallery Talk, "Master Prints," Catherine Burns, curator, WU Gallery of Art, Print Gallery, Steinberg Hall.


3:30 p.m. Departments of Electrical and Mechanical Engineering Joint Colloquium, "Current Status and Research Trends for Large-Scale Energy Conversion by Solar Cells," J. J. Loferksi, prof. of engineering. Brown U. 100 Cupples II.


Friday, March 20
8 p.m. Department of Germanic Languages and Literatures Play, "The Duck Variations," directed by David Mamet, WU. No charge.


7:30 and 10 p.m. WU Filmboard Series, "Superman," Brown. $1.75. (Also Sat., March 21, same times, Brown.)

8 p.m. Classic American Cinema Series, "Tarnished Lady" and "Sadie McKee." Restock. $2.

12:30 p.m. WU Filmboard Series, "Bang the Drum Slowly." Brown. $1. (Also Sat., March 21, same time, Brown.)

Saturday, March 21
8 p.m. Classic American Cinema Series, "Ladies of Leisure" and "Camille." Restock. $2.

Monday, March 23
7:30 and 9 p.m. American Film Musical Series, "Stormy Weather" and "Ziegfeld Follies." Brown. $2 for either or both films.

Tuesday, March 24
7:30 and 9:15 p.m. American Film Musical Series, "Cabin in the Sky" and "Carmen Jones." Brown. $2 for either or both films.

Wednesday, March 25
7 p.m. Women's Film Series, "Never Give Up," "Valerie" and "Syvilla." Gargoyles. No charge.

7:30 and 9:30 p.m. WU Filmboard Series, "American Art" at the Top." Brown. $1.75. (Also Thurs., March 26, same times, Brown.)

Thursday, March 26

Performing Arts
Friday, March 20
8 p.m. Department of Germanic Languages and Literatures Play, "Woyzeck," by Georg Buchner, performed in German by WU students. Drama Studio, Mallinckrodt Center. No charge. (Also Sat., March 21, same time, Mallinckrodt.)

8 and 10 p.m. Thyssen and Student Union Production, "The Duck Variations," a one-act comedy by David Mamet, directed by Steven Leon, WU senior in drama, Tracy Johnson, WU sophomore in drama and Darren Gitelman, WU senior in biology. Gargoyles. No charge.

Music
Friday, March 20
8 p.m. Edison Theatre Series, "Charlie Byrd, jazz guitarist, and his trio. Edison Theatre. Admission $6; $4.50 for WU faculty, staff and student area, $2.75 for WU students. Tickets available at Edison Theatre Box Office, 889-6543."

Saturday, March 21
8 p.m. Classic American Cinema Series, "Sadie McKee." Restock. $2.

Sunday, March 22
8 p.m. Music at Edison Series, with Murray Perahia, piano soloist. Works by Bach, Liszt and Chopin. Edison Theatre. Admission $6; $3.75 for WU faculty, staff and student area, $2.75 for WU students. Tickets available at Edison Theatre Box Office, 889-6543.

Tuesday, March 24
8 p.m. WU Wind Ensemble, Concert, directed by Dan Presgrave, WU instructor in music. Parkway Central Senior High School. No charge.

8 p.m. Department of Music Student Composition Recital, Edison Theatre. No charge.

Exhibitions

"Women in Art at Washington University," an exhibition of two-dimensional work by women of the WU community, Holmes Lounge, Ridgley Hall. Opening reception 8 p.m., Sunday, March 22. Through March 27.

"Alcohol Awareness Program Display," Lower Level, Mallinckrodt Center. 11:30 a.m. to 1 p.m., March 20.

"American Art," an exhibit of 19th and 20th-century paintings. Lower Gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m., weekdays; 1-5 p.m., weekends. Through April 12.

"The Fine Art of Bookbinding," a survey of the historical and decorative aspects of the craft. Level fifth, Olin Library. 8:30 a.m.-5 p.m., weekdays. Through March 27.

"Master Prints from the WU Collection," Print Gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m., weekdays; 1-5 p.m., weekends. Through April 30.

"Master of Fine Arts Thesis Exhibition, Part I," Upper Gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m., weekdays; 1-5 p.m., weekends. Through March 27.

"Master of Fine Arts Thesis Exhibition, Part II," Bixby Gallery, Bixby Hall. 10 a.m.-12 noon and 1-4 p.m., weekdays; 1-5 p.m., weekends. Opening reception, 3 p.m., March 26. Through April 8.

Sports
Saturday, March 21
1 p.m. Baseball, WU vs. Illinois Institute of Tech. Utz Field.

3 p.m. Baseball, WU vs. St. Olaf College. Utz Field.

Tuesday, March 24
3 p.m. Baseball, WU vs. Luther College. Utz Field.

Wednesday, March 25
3:30 p.m. Baseball, WU vs. William Jewel College. Utz Field.

3:30 p.m. Men's Tennis, WU vs. Jefferson Courts. WU Tennis Courts.

In its March 5 issue, the WU Record Calendar incorrectly listed a Music at Edison concert with harpsichordist Trevor Pinnock for Thursday, March 19. Unfortunately for us and for harpsichord lovers who may have read the item, that critically acclaimed concert took place on March 6.