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Architecture school takes part in national program honoring Eames

The WU School of Architecture is one of 10 institutions that have been selected by Herman Miller, Inc., of Zeeland, Mich., to share in a special program honoring the late Charles Eames. Eames, whom Fortune Magazine once identified as “America’s most celebrated designer,” studied architecture at WU for two years in the 1920s.

Dean Constantine E. Michaelides represented the School of Architecture at the Cranbrook Academy of Art in Bloomfield Hills, Mich., where the Eames Memorial Program was announced by Max De Pree, chairman and president of Herman Miller, Inc. De Pree said that “the program acknowledges the contributions of Charles Eames and his partner and wife, Ray, to the field of design in the 20th century.”

Each of the institutions selected by the Miller firm will receive funding for speakers, one each year for three years, and a donation of 14 of the Eameses’ films, exhibitions, and furniture that have found their way into almost every store in the country.

Ralph Caplan of New York City, a writer, communications design consultant, educator and author of The Design of Herman Miller, Connections, a monograph on the work of Charles and Ray Eames, will deliver the first Charles Eames Memorial Lecture at 8:30 p.m. Monday, Feb. 7, in Steinberg Auditorium. His topic will be “Making the Right Connections.”

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Deadly “letter bombs” being tested to hit cancer only where it lives

Like those message-delivery systems in stores and office buildings in which notes are popped into plastic capsules and circulated through a network of tubes, a new cancer-fighting method sends encapsulated “letter bombs” to tumors in the body. By injecting tiny, biodegradable “microspheres” armed with anti-cancer chemicals into veins and arteries, scientists are using the body’s own delivery system to mail deadly messages to tumors.

Called “targeted-drug delivery,” the process promises to make chemotherapy more accurate and less dangerous by concentrating drugs where they can do the most good — where tumors are.

“In traditional chemotherapy,” observed Curt Thies, WU professor of chemical engineering, “you often bring the patient to the brink of death in order to kill the cancer. By localizing the drug concentration, we hope to achieve more effective treatments without bad side effects.”

Thies, a member of an international team perfecting the drug-filled missiles, said researchers have long dreamed of finding a “magic bullet” — a drug that, once injected, would travel straight to cancer cells and destroy them while leaving normal cells untouched.

“The magic bullet approach is a nice dream,” he said. “At this stage, though, it has yet to be realized. There’s no drug now that kills only cancer.”

A more workable approach, Thies and his colleagues believe, is to hit cancer where it lives by physically delivering drugs to the diseased area.

This point-blank strategy can be carried out in several ways. One approach, intra-arterial infusion chemotherapy, involves using a catheter to place drug-loaded microspheres in the major arteries feeding to a cancerous organ. Two actions result. Designed to reduce blood flow, the microspheres starve the tumor as they simultaneously discharge cancer-killing agents at the site. After a period of time, the capsules dissolve and blood flow returns to normal.

A second method, size targeting, makes use of the body’s natural filtering system. When injected intravenously, drug-filled microspheres of a certain diameter catch in the lungs, while slightly smaller particles travel to the liver and spleen, or to the lymph system. Once the capsules have lodged at the desired site, the drugs inside slowly leach out, thereby maintaining a high concentration of the agent at the cancer site.

Though simple in concept, targeted-drug delivery is a tough design problem. The drug-loaded particles — about the size of sugar grains — must meet very exacting size and drug-release requirements. In addition, the particles must be made from materials that biodegrade at specific rates.

Thies and a team from the University of Paris School of Pharmacy, including F. Puisiex and three exchange students — Jean-Pierre Bernard, Marie-Christine Bissyer and Michel Cavaliér — spent the last year developing a microsphere manufacturing process. Several types of these particles soon will be tested in animals by Bissyer under the direction of Fred Valentine of the Michigan Cancer Foundation in Detroit. Meanwhile, Dien-Ming Chen, WU assistant professor of cancer biology in radiology, is trying to establish how rapidly various types of microspheres are attacked by the body’s immune system.

“Even though microspheres are primitive compared to something that could single out cancer cells, I believe we’re taking a realistic approach,” said Thies. “We’re like the Wright brothers learning to fly. You’ve got to take that first step before inventing the jet plane, much less something as sophisticated as a magic bullet that operates like a ‘smart’ bomb and can zero in on its target.”

Weidenbaum resumes as CSAB director

Murray L. Weidenbaum has resumed the directorship of the Center for the Study of American Business, effective Jan. 1.

“Weidenbaum, Edward Mallinckrodt Distinguished University Professor and professor of economics, was founding director of the Center for the Study of American Business when it was established in 1975. He will succeed Clifford M. Hardin, who will become scholar-in-residence at the Center.

Weidenbaum left the Center in January 1981 to become President Ronald Reagan’s first Chairman of the Council of Economic Advisers. Hardin, a former Secretary of Agriculture and Chancellor at the University of Nebraska, originally came to the Center as scholar-in-residence after retiring as vice chairman of the board of directors of the Richmond Purna Company.

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School of Architecture announces Steedman Fellowship winner

A young Portland, Ore., architect, Mark M. Foster, has won the 1984-85 Steedman Fellowship Competition, which provides $10,500 for travel and study of architecture abroad. Awarded by the WU's School of Architecture, the fellowship entitles the recipient room and partial board while studying at the American Academy in Rome.

The annual Steedman Fellowship is open to graduates of accredited architectural schools who have at least one year of practical experience, and are between the ages of 21-31. About 150 designers from the United States and abroad entered the competition to design an ornamental design and display center for a business scholarship fund for the WU School of Architecture.

The jurors included three visiting architects at WU last semester — Neave Brown of London, England; William J.R. Curtis, architectural historian; and Gertrude Lempp Kerbs, Chicago architect and developer. Others were: James Bodnar, a former Steedman winner now with Skidmore, Owings and Merrill, Washington, D.C.; George Merrill, architect, architect and developer. Others were: James Bodnar, a former Steedman winner now with Skidmore, Owings and Merrill, Washington, D.C.; George Merrill, architect, architect and developer. Others were: James Bodnar, a former Steedman winner now with Skidmore, Owings and Merrill, Washington, D.C.; George Merrill, architect, architect and developer. Others were: James Bodnar, a former Steedman winner now with Skidmore, Owings and Merrill, Washington, D.C.; George Merrill, architect, architect and developer. Others were: James Bodnar, a former Steedman winner now with Skidmore, Owings and Merrill, Washington, D.C.; George Merrill, architect, architect and developer. Others were: James Bodnar, a former Steedman winner now with Skidmore, Owings and Merrill, Washington, D.C.; George Merrill, architect, architect and developer. Others were: James Bodnar, a former Steedman winner now with Skidmore, Owings and Merrill, Washington, D.C.; George Merrill, architect, architect and developer. Others were: James Bodnar, a former Steedman winner now with Skidmore, Owings and Merrill, Washington, D.C.; George Merrill, architect, architect and developer.
Campus Notes

Edgar H. Lehman, professor of Russian, gave a lecture last month at Crestwood School, 300 Delvalleire, on “The Russian Character.”

Last month, on Dec. 15, students in the Performing Arts Area’s (PAA) Dance Division performed selections of their own choreography for 500 elementary school students in the Parkway School District. Children also were invited to the stage to join the WU dancers in simple improvisatory exercises. Annelise Mertz directs the PAA Dance Division.


John Schael, director of sports and recreation, has been appointed to the Classification Committee of the National Collegiate Athletic Association. The committee is responsible for the classification and reclassification of the division membership and each member institution.

Harold H. Schreimann, a part-time lecturer in engineering technology, Engineering Technical Services, was recently elected president of the National Lubricating Grease Institute, an organization representing all phases of the industry. Schreimann is president of MSI, Ltd., based in St. Louis.

Bert Vander Mark, assistant professor of art, is having a one-person exhibition, “Indirect Seedings (Marks)” at the Gallery of the University City Public Library, 6761 Delmar Blvd. Twenty-eight pieces are in the show, including drawings, collages and mixed media. They will hang through Jan. 30. Last year, Vander Mark won the first prize Addy Award of the Springfield, Mo., Ad Club for his 30-second Boatmen’s Union National Bank TV commercials, “IRA Accounts” and “New Drive-In Facilities.”

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Writers needed

Subject to Change, a student-edited quarterly of politics and the arts, published a 48-page issue on Dec. 15. The issue included a special pull-out supplement on the Middle East. Other features included an interview with Beverly Stills, poetry, and several literary essays.

The focus of the next issue, scheduled for the first of March, is poverty and the problems of the poor. Deadline for submissions is Feb. 1. As usual, articles on politics and the arts are always welcome.

Subject to Change is distinguished in that faculty members and students both contribute to the magazine. Students interested in joining the staff of Subject to Change are encouraged to attend weekly meetings on Fridays at 6 p.m. in Umtrath Hall, 263.

For more information, write to Subject to Change, Box 1128.

New CSAS officers

The Council of Students of Arts and Sciences has changed the period of service of its officers to coincide with the academic year. Recently elected to serve for one semester, spring 1983, are senior Tom Burklow, president; senior Bruce Shih, vice president, and junior Bob Paolino, secretary-treasurer. Election of officers of the executive board for the term fall 1983-spring 1984 will take place early this semester.

Social work career day

College students interested in a career in social work are invited to attend Career Day at WU’s George Warren Brown School of Social Work, 3-30-30 p.m. Wednesday, Feb. 2. A panel of social work professionals and educators will discuss career information. A slide presentation on the George Warren Brown School of Social Work will be followed by an informal question and answer period. Individuals interested in attending Career Day should call 889-5688.

Art for highschoolers

The annual spring semester drawing and design classes for junior and senior high school students will begin Feb. 5 at WU’s School of Fine Arts. Classes, taught by Stanley Tasker, professor of art, will meet for 10 successive Saturday mornings from 9-11 a.m. to noon in Bixby Hall.

Tuition is $65 (including supplies), and students may study either in the drawing or design studio. Several scholarships are available on the basis of need and with the recommendation of a school counselor. Enrollment is limited, and those interested should call the School of Fine Arts at 889-5635 as soon as possible.

Jazz program rescheduled

“The Masters Wrote Jazz II,” which was to take place on Saturday, Jan. 29, in Edison Theatre, has been rescheduled. The concert will be presented on Friday, May 6.
Calendar
Jan. 27-Feb. 5

Lectures

Thursday, Jan. 27
1:10 p.m. George Warren Brown School of Social Work Lecture, "Cable Television and Social Serv-
ices, Progress for the 80's." David Katz, WU prof. of political science, in the Brown Hall Lounge.
2:30 p.m. Center for the Study of Data Processing Symposium, "Programming the Information Com-
4:30 p.m. Public Affairs Thursday Lecture, "The Military Budget: How Much Can the American
Economy Stand?" Murray L. Weintraub, Ed-
ward Mallinckrodt Distinguished University Profes-
sor. 200 C & D Eliot.
4 p.m. Plant Biology Program Lecture, "Morph-
ogenesis in Drosophila" Jennifer Pickers-Hughes,
Dep. of MCD Biology, U. of Calif. 322 Reberick.
4 p.m. Department of Genetics Lecture, "Molecu-
lar and Cellular Genetic Studies of DNA
Methylation in X-Chromosome Inactivation." L.J.
Sugio, Dir. of Medical Genetics, Dep. of Pediat-
sics, Harbor University of Calif. Medical Center.
810 Donnell Medical Sciences Bldg., 4565
McKinley.

Saturday, Jan. 29
10 a.m. Admissions and Financial Aid Workshop
Steinberg Aud.
11 a.m. University College Seminar, "Of Dreams,
Procrustes and Alex: America's Poets' Partnering."
Milton Benjamen, WU assoc. prof. of Russian. Amm
Whitney Olin Women's Bldg. Lounge.
7 p.m. Women's Club and Men's Faculty Club
Dinner Dance. Stan Musial & Biggie's Restaurant,
416 McDonnell Medical Sciences Bldg., 4565
McKinley.

Monday, Jan. 31
4 p.m. Department of Biology Lecture, "Hydrod-
ynamics of Pachysandra & Plant Cell Walls." J.
E. Warner, WU prof. of biology, and others. 322
Reberick.
6:15 p.m. Religious Studies Colloquium, "Nat-
ural Miracles in Medieval Jewish Philosophy."
Jacob Srauth, WU Mellon Fellow in Jewish Studies.
700 Euclid.
8:30 p.m. School of Architecture Lecture, "The
Sacred Ten and Medieval Architecture." Philip
Drew, visiting ass. prof. as w. Steinberg Aud.

Tuesday, Feb. 1
3:30 p.m. Division of Biostatistics Seminar, "HLA
and Disease." Newton E. Morton, dir., Popula-
tion Genetics Lab. U. of Hawaii. BCE Classroom.
700 Euclid.
4 p.m. Renal Division-Department of Internal
Medicine Lecture, "Role of Eicosanoids and Endo-
cytosis in Regulation of Membrane Transport." Qas
Al-Anwaq, College of Physicians and Sur-
gonomists. Columbia U. Citi Aud. McDonnell Med-
ical Sciences Bldg., 4565 McKinley.

Wednesday, Feb. 2
11 a.m. Assembly Series Lecture, "China: Alive in
the Bitter Sea - A Personal View." Ten Butter-
field, chef, New England Buittoir, New York
Times, and author of China: Alive in the Bitter
Sea. Co-sponsored by the Student Union Speakers
Committee. Graham Chapel.
1:15 p.m. Division of Biostatistics Seminar, "Gen-
ic Epidemiology." Newton E. Morton, dir., Popula-
tion Genetics Lab. U. of Hawaii. Eau Pale-
son Aud., Barnes Hospital Complex.
3:30 p.m. School of Social Work Career Day.
Panel discussion, slide presentation and refresh-
ments. Brown Hall Lounge. For more information,
call 889-6766 or 889-5698.
4 p.m. Center for the Study of American Business
Workshop, "Subjective Probability and the Game
Theory." Jay Kadane, prof. of economics and social
science. Carnegie-Mellon U. Co-sponsored by the
economics and philosophy departments. 322 Reberick.
6 p.m. Eva B. Hillel Foundation Dinner Lecture and
Discussion, "Saving Ethopian Jews." Le Dena
Schnappet, American Assn. for Ethopian Jewry.
Hillel House, 6300 Forsyth. Admission $1, $5 for
reservations. call 726-6177 by Jan. 31.

Thursday, Feb. 3
10 a.m. Division of Biostatistics Seminar, "Recent
Advances in Linkage Analysis." Newton E. Mor-
Sea Room. Jewish Hospital.
Noon. Department of Anatomy and Neurobiology
Lecture, "Structure and Function of Spectrin - A
Major Component of the Human Erythrocyte
Membrane." Roald Hoffmann, Columbia U.
700 Euclid.
8:30 p.m. B'nai B'rith Hillel Foundation Concert,
"Phantoms and Places: Andrey Bely's
"Little Man, Little Man, Little
Man." Eberl., exec. dir.. Consolidated Neighborhood

Friday, Feb. 4
2 p.m. Performing Arts Area presents "Harry.
Noon and Night," a dark comedy by Ronald Rib-
stein. Directed by Brad Schwartz, senior drama ma-
tor. Drama Studio. Mallinckrodt Center. Admis-
sion $2. Brown Hall Aud. (Also Fri. and Sat.,
same time.)
8:30 p.m. "The Wrath of Khan." WU Filmboard
Series, "City of States, Alive in the Bitter
Sea." $2. Brown Hall Aud. (Also Fri., Sat.,
Sun., same time.)

Saturday, Feb. 5
8:30 p.m. B'nai B'rith Hillel Foundation Concert
Dancers, a New York modern dance company.
Tickets $4.50. Edison Hall.
5:30 p.m. "Cattle Annie and Little Britches." $1.
Brown Hall Aud. (Also Sat., Sun., same time.)
6:15 p.m. "City of States: Alive in the Bitter
Sea." $2. Brown Hall Aud. (Also Sat.. Feb. 5.
same time.)
8 p.m. "All That Glitters," New York Art Directors
admission $2, WU faculty, staff and area stu-
dents, $1.50, WU students free. Edison Theatre.
4565 Forsyth.
8 p.m. "My Fair Lady," a New York musical
company. Tickets $2. Brown Hall Aud. (Also
Fri., Sat., Sun., same time.)
8:30 p.m. "Cattle Annie and Little Britches." $1.
Brown Hall Aud. (Also Sat., Sun., same time.)

Music
Monday, Jan. 31
7:30 p.m. "B'nai B'rith Hillel Foundation Folk-
dancing Party, Israeli folkdancing, with Jose
6300 Forsyth.

Friday, Feb. 4
(Also Thr., Feb. 5, same time.)
8 p.m. "From Outer Space." $2. Brown Hall Aud.

Performing Arts
Friday, Feb. 4
8 p.m. Edison Theatre presents Dan Waggoner
and Dancers, a New York modern dance company.
Gen. admission $7, WU faculty, staff and area stu-
dents, $5, and WU students, $4. Edison Theatre.
(Also Sat., Feb. 5, same time.)
For more ticket information, call the Edison Theatre box of-
fice at 889-6545.
8 p.m. The Performing Arts Area presents "Harry.
Noon and Night," a dark comedy by Ronald Rib-
stein, directed by Brad Schwartz, senior drama ma-
tor. Drama Studio, Mallinckrodt Center. Admis-
sion $1. (Also Sat., Sun., Feb. 6, same time.)

Exhibitions
"Nature and the Figure," an exhibition of
paintings from the Academy to the Impres-
sionists. Through March 6. Lower Gallery. Gal-
lery of Art. 10 a.m.-5 p.m. weekdays. 1:5-5 p.m.
weekends.

"Drawings and Prims From the 17th and 18th
Centuries," Through March 20. Print Gal-
lery. Gallery of Art. 10 a.m.-5 p.m. weekdays. 1:5-
5 p.m. weekends.

Sunday, Feb. 5
3:30 p.m. "B'nai B'rith Hillel Foundation Concert
Gen. admission $2, WU faculty, staff and area stu-
dents, $1.50, WU students free. Edison Theatre.
4565 Forsyth.

Sports
Thursday, Jan. 27
7:30 p.m. Men's Basketball, WU vs. Maryville Col-
lege. Gen. admission $2, w. other students $1.
WU students free. Francis Gym.
Saturday, Jan. 29
1 p.m. Men's and Women's Swimming, WU vs.
Friday, Feb. 4
7:30 p.m. Men's Basketball, WU vs. Illinois Insti-
tute of Technology. Gen. admission $2, w. other
students $1. WU students free. Francis Gym.
Saturday, Feb. 5
2 p.m. Women's Basketball, WU vs. Blackburn
College. Francis Gym.

Calendar Deadline
The deadline to submit items for the Feb.
17-26 calendar of the JU Record is Feb. 3. Items
must be received and state date, time, place, nature of event, sponsor and admission cost. Incomplete
items will not be printed. If available, include
speaker name and identification and the title of
the event. Those submitting items please include
your name and telephone number. Address items to King McCollo, calendar editor. Box 1142.