

Washington University School of Medicine

Digital Commons@Becker

Washington University Record

Washington University Publications

3-20-1986

Washington University Record, March 20, 1986

Follow this and additional works at: <https://digitalcommons.wustl.edu/record>

Recommended Citation

Washington University Record, March 20, 1986. Bernard Becker Medical Library Archives.
<https://digitalcommons.wustl.edu/record/369>.

This Article is brought to you for free and open access by the Washington University Publications at Digital Commons@Becker. It has been accepted for inclusion in Washington University Record by an authorized administrator of Digital Commons@Becker. For more information, please contact vanam@wustl.edu.

Washington University RECORD



WASHINGTON
UNIVERSITY
IN ST. LOUIS

Property of Washington University
Medical Library

MAR 19 '86

ARCHIVES

Indexed

Vol. 10 No. 26/March 20, 1986

Tuition rises; new cost-saving prepayment plan announced

Fees for tuition, room and board at WU will increase to \$14,498 for the 1986-87 academic year, according to Chancellor William H. Danforth. Also announced was a new cost-saving payment plan to be made available to the families of undergraduates.

The overall increase in fees totals 11.7 percent, with tuition climbing from \$9,200 last year to \$10,500 in 1986-87. Room and board are up to \$3,998, from last year's \$3,781.

"Washington University always aims to provide an educational experience of exceptional value. The tuition increase is unfortunately necessary to balance the University's books while maintaining programs of highest quality. Our financial aid will take these increases into account so that no student will have to leave Washington University for financial reasons," said Danforth.

The increase reflects the cost pressures affecting academic institutions like WU. For example, physical plant insurance rates have climbed 300 percent in one year; utility rates have increased 17 percent; medical benefit costs have gone up significantly; and costs have risen for books, scientific equipment, renovations and construction of new teaching, laboratory and athletic facilities.

In addition, WU has kept increases to a minimum in the two previous years, which "leads us to the point where we must catch up," according to James Buchholz, vice chancellor for finance and administration.

"For the last two years, total tu-

ition income simply has not kept up with increasing costs. This has led to modest deficits in several University programs, which must be corrected," said Buchholz.

"Our total costs remain very competitive with those of similar, high quality, major research universities," he said.

Comparable tuition increases at WU and other well-known institutions over the past two years are as follows:

Institutions	Anticipated Tuition for Freshmen 1986-87	Total Percent Increase for Two Years—85-86, 86-87
U. of Chicago	\$11,350	28.5%
Northwestern U.	\$11,100	15.4%
U. of Rochester	\$10,565	24.6%
Washington U.	\$10,500	22.9%
Carnegie-Mellon U.	\$10,250	22.0%
Tulane U.	\$10,000	25.0%

"If Washington University is to remain among the nation's first-ranked academic institutions, we must bear the financial responsibility that accompanies it," said Danforth. "We continue to do everything within our power to contain costs."

To help students and their families meet the growing costs of college, WU also announced an innovative new prepayment and financing plan — the Cost Stabilization Plan (CSP). Open both to students who qualify for financial aid and to full-fee paying students, the CSP program will:

1. Freeze the tuition, room and board costs not covered by financial aid at rates in effect during the first

Continued on p. 2

Internationally recognized chemist with Monsanto will join faculty in fall

Jacob Schaefer, Ph.D., an internationally recognized chemist with Monsanto, will join the faculty of WU this fall as Charles Allen Thomas Professor of Chemistry. Schaefer was a senior fellow at Monsanto and leader of the company's New Analytical Techniques Group.

"We are tremendously pleased to have such an able and distinguished scientist join our faculty," said Chancellor William H. Danforth. "The appointment continues the long-standing relationship between Monsanto and the University. That Professor Schaefer will hold a chair named for a long-time Monsanto leader is especially fitting."

The Charles Allen Thomas endowed professorship, created in 1976, honors the late chemist, inventor and former chief executive officer of Monsanto. Thomas, for many years an area civic leader, was named to the WU board of trustees in 1962 and was chairman of the board from 1966 to 1977.

Richard J. Mahoney, president and chief executive officer of Monsanto, praised the appointment: "While we will miss Jake Schaefer, we were pleased that he was attracted to Washington University,"

said Mahoney. "As an active participant in strong collaborative research efforts at the University, Monsanto plans to continue to tap his expert scientific advice as a consultant."

Schaefer is regarded as an innovator in using nuclear magnetic resonance (NMR) to analyze many solid materials. His technique of "Magic angle" NMR made it possible

Continued on p. 3



Jacob Schaefer



Dara Townsend, a senior majoring in dance, plays Nora in the Performing Arts Area production of "A Doll's House," which runs March 28-29 and April 4-5 in Edison Theatre.

'Doll's House' opens March 28

The Performing Arts Area will present Henrik Ibsen's "A Doll's House" at 8 p.m. March 28-29 and April 4-5 in Edison Theatre. The production is directed by Joseph R. Roach Jr., chairman of the Performing Arts Area.

Ibsen's play examines the life of a model Victorian family. Torvald, played by Stephen Dierkes, is the adoring, if domineering, husband. Nora, played by Dara Townsend, is his cheerful wife. Torvald keeps her happy as a "doll" wife and mother of "doll" children.

But the illusion of happy perfection shatters when Nora must face the consequences of an innocent indiscretion of her past. She realizes she has been living a lie and leaves her home and family, slamming the door behind her.

This production of Ibsen's "A Doll's House" coincides with a University College course on late-Victorian playwrights. The course is part of the master's of liberal arts program.

"Ibsen and Strindberg: Ghostbusters" is taught by Roach and Naomi Lebowitz, Ph.D., professor of English. The course examines the important contributions of the two playwrights, who led the revolution that has made the stage an appropriate forum for exposing the under-

side of social and family life. Students in the course will view the play as part of their examination of Ibsen and Strindberg.

Ibsen always insisted he was a poet, not a politician. But in spite of this disclaimer, "A Doll's House" was used as a political vehicle by feminists of the day, who were beginning to bring "the woman question" into the fore of Scandinavian political debate.

In 1898, Ibsen protested this "feminist reading" of his play at a banquet of the Norwegian Society for the Woman's Cause. He said, "I thank you for drinking my health, but I must reject the honor of having worked consciously for the woman's cause. I am not even clear what the woman's cause really is. For me, it has been an affair of humanity."

Says Roach, "This makes the play right for today, when not only women's roles, but all traditional roles are under discussion."

Roach also says the play is right for college production. Though it is usually played with much older actors and actresses, Ibsen's characters are actually in their early 20s.

Tickets are \$5 to the general public and \$4 to students and senior citizens. To purchase tickets, call the Edison Theatre box office at 889-6543.



Egg hunters: The Women's Society of WU will host its 18th annual Easter egg hunt for the children of international students, faculty and staff from 1 to 3 p.m. Saturday, March 29, on the grounds of the Stix International House, 6470 Forsyth Blvd. The event will feature a variety of entertainment for the children. Reservations are requested by Thursday, March 27. To register, call the International Office at 889-5910. In case of rain, the egg hunt will be held inside the Stix house.

Carnival fever: Catch it

Thurtene Carnival fever is about to strike again.

This time, the fun-filled fervor will erupt from 6 to 10 p.m. Friday, March 21, and from 10 a.m. to 4 p.m. Saturday, March 22, at the WU Athletic Complex as carnival and racquetball enthusiasts participate in the Thurtene/Michelob Racquetball Tournament hosted by Thurtene, the junior men's honorary society at WU.

The event is part of the pre-merrymaking for Thurtene Carnival, the annual spring festivity at WU. The carnival, also sponsored by Thurtene, will be Friday and Saturday, April 18 and 19, on the campus parking lot at the corner of Millbrook and Skinker boulevards. Admission to the carnival grounds is free.

According to Matthew Gunn, co-chairman of public relations for Thurtene Carnival with Paul Caiola,

CBS documentary on the black family focus of discussion

African and Afro-American Studies will sponsor a panel discussion, titled "The Vanishing Black Family: Reconsidered," from 7:30 to 9:30 p.m. Tuesday, March 25, in the Women's Building Lounge.

The forum, which is free and open to the public, is a response to Bill Moyer's recent CBS News documentary titled "The Vanishing Family: The Crisis in Black America." Panel members will analyze the documentary from a historical perspective and explore solutions for strengthening the black family.

The CBS documentary will be shown before the discussion at 6 p.m. March 25 in Room 349, McMillan Hall. For more information, call African and Afro-American Studies at 889-5690.

the purpose of the racquetball tournament is to promote carnival enthusiasm and raise funds for the Leukemia Society of America Inc. in St. Louis. All proceeds from the carnival and related activities will go to the Leukemia Society.

Registration for the racquetball tournament will be from 11 a.m. to 1 p.m. Tuesday through Thursday, March 18-20, in the lobby of Mallinckrodt Center. The cost is \$6. Free Thurtene racquetball T-shirts will be distributed to all participants. There will be four divisions: novice, intermediate, expert and the women's division. Trophies will be awarded to first-, second- and third-place finishers in each division.

In connection with the carnival, the men's honorary is sponsoring "Thursday Night at the Rat" adventures at 9 p.m. April 3 (Bucket Night), April 10 (Painter's Cap Night), and April 17 (Thurtene Mug Night) at the Umrathskeller. A variety of free carnival paraphernalia will be available.

The honorary also will host the first "Thurtene 5 Miler," a five-mile road race that begins at 10 a.m. Saturday, April 19, at the carnival grounds. Registration is \$6 in advance or \$8 the day of the race.

To register, send a check or money order by April 14 to: Thurtene Road Race, Box 1128, Washington University, St. Louis, MO 63130. Registration will be held from 8 to 9 a.m. the day of the race.

The 82nd annual Thurtene Carnival will be held from 6 to 11 p.m. Friday, April 18, and from 11 a.m. to 11 p.m. Saturday, April 19. For more information about the carnival, call Gunn at 367-1021 or Caiola at 862-0076. For details about the racquetball tournament and the road race, call Caiola.

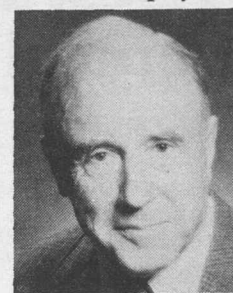
Inside Soviet science topic of physicist's talk

Physicist John A. Wheeler will deliver the Compton Lecture in the Assembly Series at 11 a.m. Wednesday, March 26, in Graham Chapel. He will lecture on "Inside Soviet Science: Peril and Promise." The Compton Lecture honors Arthur Holly Compton, Nobel Prize-winning physicist and former WU chancellor.

Wheeler also will deliver the Feenberg Lecture at 4 p.m. Tuesday, March 25, in Crow Hall, Room 201. The lecture is named for Eugene Feenberg, an internationally known physicist who taught at WU from 1946 until his death in 1977.

Wheeler is Ashbel Smith Professor and Jane and Roland Blumberg Professor of Physics at the University of Texas at Austin. He is also director of the university's Center for Theoretical Physics. His books include *Black Holes, Gravitational Waves and Cosmology* (1974), *Frontiers of Time* (1979) and *Clues to Creation*, which is to be published soon.

Wheeler introduced concepts in nuclear physics that were important in building nuclear weapons. In the early 1950s, he was director of Project Matterhorn at Princeton University. The Project Matterhorn team worked out early conceptual designs for thermo-nuclear devices.



John A. Wheeler

Wheeler is the recipient of numerous awards and honors, including the Franklin Medal of the Franklin Institute (1969), the National Medal of Science (1971), the Oersted Medal of the American Association of Physics Teachers (1983) and the J. Robert Oppenheimer Memorial Prize (1984).

Both lectures are free and open to the public.

Symposium studies German literature

The Eighth St. Louis Symposium on German Literature sponsored by WU, titled "Literature and Cosmos: 1500-1700," will be held March 28 through 30 in the Women's Building Lounge and at the Holiday Inn Clayton Plaza.

The keynote speaker is Stephen E. Toulmin, professor of social thought and philosophy at the University of Chicago and Scholar at the Getty Center for the History of Art and the Humanities in Santa Monica, Calif.

He will speak on "The Cultural Crisis of the Early 17th Century: Modern Philosophy and the Religious Wars." His lecture, part of the University's Assembly Series, will be held at 11 a.m. Friday, March 28, in Graham Chapel. Sponsored by the Exxon Foundation, the lecture is free and open to the public.

The interdisciplinary symposium explores expressions in German literature of man's changing understanding of himself, the world and his place in the cosmos from the Early Modern through the Baroque periods.

William H. Gass, Ph.D., WU

David May Distinguished University Professor in the Humanities, will deliver the banquet address, "Vivo-Croce-Joyce," at 9:30 p.m. Saturday, March 29, at the Holiday Inn.

Symposium participants include: Eckehard Simon, professor of German, and Steven Ozment, professor of history, Harvard University; Walter Haug, professor of German, Tuebingen University, West Germany; Max L. Baeumer, professor of humanities, University of Wisconsin-Madison; Conrad Wiedemann, professor of German, University of Giessen, West Germany; and Charles Nauert, professor of history, University of Missouri-Columbia.

The St. Louis symposium, held every two years, is sponsored by WU's Department of Germanic Languages and Literatures; the German Research Society, Bonn, West Germany; and, this year, the governments of the Republic of Switzerland and Canada.

Registration, which is required, is free for WU affiliates and \$15 for the public. For more information, call 889-5160.

Tuition—continued from p. 1

year of the agreement. (This means, for example, freshmen whose families participate in the program will pay the same yearly fees four years later.)

2. Allow the entire financed portion of student fees (tuition, room and board) to be borrowed at a fixed interest rate for the life of the loan, generally near the prime rate at the time the agreement goes into effect. For 1986-87 borrowers, the annual interest rate is 9.8 percent.

3. Permit repayment over as many as 10 years, in monthly installments.

4. Provide participants with a tax deduction for loan interest paid, as provided under current tax laws.

5. Avoid the need for loan security or collateral. The plan does require a good credit rating and the

ability to handle monthly repayment rates.

6. Allow participants to use the plan for all University charges that are not covered by student financial aid.

"For middle-income families, this new prepayment financing plan could be a major help," Buchholz added. "It is the only program of its type we know of in higher education."

The 1986-87 increases announced at WU are applicable only to undergraduate students enrolled in arts and sciences, architecture, business, engineering and fine arts. More than half of these students receive financial aid. Fees for University College (evening students), graduate and professional students, and non-credit courses are not included in the current announcement.

NOTABLES

John R. Bowen, Ph.D., assistant professor of anthropology, will deliver a paper at the Association for Asian Studies annual meeting March 22 in Chicago. The paper is titled "Culture, Production and Change: Rice Intensification in Sumatra." His article titled "On the Political Construction of Tradition: *Gotong Royong* in Indonesia," will appear in the May issue of the *Journal of Asian Studies*.

Larry E. Davis, Ph.D., associate professor of social work and psychology, was the visiting guest lecturer at the Fourth Annual Workshop on Effective Practice in Human Services, held Feb. 21 at the George Washington Carver Museum in Austin, Texas. The workshop, titled "Ethnic Sensitive Group Work Practice," was designed to expand the knowledge and skill of human service professionals who work with Black and Mexican-American clients in groups. Davis presented lectures and participated in panel discussions during the workshop, which was sponsored by the University of Texas at Austin School of Social Work and African and Afro-American Studies and Research Center, and The Friends of Carver Museum Inc.

Pat Eby, lecturer in fashion design in the School of Fine Arts, is co-producer of "Out of the Closet," a fashion show for the benefit of persons with AIDS. The show will be at 8 p.m. Friday, March 21, at the Mildred E. Bastian Performing Arts Center on the St. Louis Community College-Forest Park campus. Student designers participating in the show include: **Renae Blair**, a fine arts major; **Joanne Mascaro**, an architecture major; and **Kate Fish, Arleen P. Henry** and **Tricia Kolbrener**, students in the Fine Arts Institute.

Sheldon S. Helfman, professor of architecture, is exhibiting his recent paintings in The Gallery at the University City Public Library, 6701 Delmar Blvd. The paintings will be on display through March 31.

Chemist—*continued from p. 1*

for chemists to look at the molecular structure of solid substances for the first time and opened a new era in the study of microscopic properties of solid materials like coal and oil shale, wood and plants.

In conventional NMR spectroscopy, scientists place liquid samples in a magnetic field and pass radio-frequency electrical power through it. At a certain combination of power and magnetic strength, the nuclei of certain atoms produce characteristic signals. The number, intensity and positions of the signals on a graph give scientists "fingerprints" identifying molecular structures.

Schaefer discovered that by spinning solids mechanically at high speed about an axis at an angle of exactly 54.7 degrees relative to the center of the magnetic field, he could obtain the same accuracy as liquid NMR techniques. The angle is called "magic" because of its broad significance in physical chemistry. Schaefer also subjects solid samples to 100 times more power than required for liquid NMR spectroscopy.

"The combination of high-speed spinning at the 'magic angle' and increased power," he said, "produces

Charles L. Leven, Ph.D., professor of economics, was the featured speaker last month at the annual meeting of the officers and directors of the Helena branch of the Federal Reserve Bank of Minneapolis. He also presented colloquia at the Hubert Humphrey School of Public Affairs at the University of Minnesota and the economics department at Bradley University. He participated at a round-table discussion of past presidents of the Western Regional Sciences Association in Laguna Beach, Calif.

Jonathan S. Turner, Ph.D., professor of computer science, presented an invited paper, titled "New Directions in Communications," at the Zurich Seminar on Digital Communications, sponsored by the Swiss Federal Institute of Technology. The paper describes a flexible communications system capable of supporting a wide range of applications, including voice, data, broadcast video and voice/video teleconferencing.

Rhonnie L. Washington, Ph.D., assistant professor of both African and Afro-American studies and performing arts, is director of the St. Louis Black Repertory Company's production of "If Blues Was a Dolla" by Chicago playwright Songodina. The production runs through March 23 at the 23rd Street Theatre, 23rd Street and St. Louis Avenue.

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.

signals from atoms that provide detailed information about the chemical structure of highly complex solids."

He used his powerful new technique to study molecular motional effects in plastics. This work led to a deeper understanding of basic polymer physics and earned him Monsanto's Charles A. Thomas and Carroll A. Hochwalt award for outstanding scientific achievement in 1982.

Schaefer is now adapting similar techniques to study the metabolism of bacteria and plants. "These techniques allow us to follow certain chemicals as they are processed by the organism," he said.

Schaefer will continue his metabolism research at WU, already an NMR research leader. Much of Schaefer's unique laboratory equipment will come with him, making WU's NMR facility "as good as any in the country," he said.

He joined Monsanto's central research department in 1964 after completing his doctorate in physical chemistry at the University of Minnesota. He has been an adjunct professor of chemistry at WU since 1978 and was elected a Fellow of the American Physical Society in 1980.

Law school teams win regional titles; head to nationals

Two WU law school teams captured first place in regional competitions recently held in St. Louis and Omaha, Neb.

The WU mock trial team won first place out of 16 teams that competed in the Midwest Regional Competition in St. Louis. The team will vie for the national title during the National Mock Trial Competition March 20-22 in San Antonio, Texas.

The law school's client counseling team won first place out of 11 teams in the regional competition in Omaha, marking the first time a WU client counseling team will contend for the national title. The victorious students will represent WU in the National Client Counseling Competition March 21 and 22 in San Antonio, Texas. Winning teams from the United States, Canada and Great Britain will then compete for the first international client counseling title March 23 in San Antonio.

Another WU mock trial team progressed to the semifinals during the regional event. The University was the only law school to have two teams in the semifinals — a first in the history of the Midwest competition.

The National Mock Trial Competition will feature full jury trials conducted by law school students. A panel of federal judges will preside over the final rounds of the national competition. WU has advanced to the nationals for the last six years. In 1983, the WU team won first place in the national event, never losing a trial.

E. Thomas Sullivan, J.D., associate dean and professor of law who serves as faculty coach for the mock trial teams, says, "The students were not only great trial advocates, but also were first-class representatives of WU. They worked very hard to prepare for the regional competition."

The third-year law students who will compete in the national mock trial competition are: Harry M. Hay-

tayan of Nashua, N.H.; Mark A. Lynch of Topeka, Kan.; and Gerald W. Bassett of East Alton, Ill. They had a record of five victories and no losses in the regionals.

The participants on the mock trial team that proceeded to the semifinals were: David M. Kenyon of Ceresco, Mich.; Shelley L. Woodward of Kirkwood, Mo.; and Nancy B. Stenn of Highland Park, Ill. All three are third-year law students.

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

"The counseling competition helps students learn how to communicate more effectively with clients," says Kenneth M. Chackes, J.D., visiting assistant professor of law and faculty coach for the client teams. "The students get to see the interpersonal side of law."

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

In the intramural client counseling competition held earlier at WU and the St. Louis County Courthouse, four WU scholars prevailed in the category for first-year law students. They were: Christopher P. Cox of St. Louis, Mo.; Kimberly A. Hanaway of Denver, Colo.; Lisa A. La Conte of East Peoria, Ill.; and Charles R. O'Keefe of Roscoe, Ill.

The upperclass winners in the intramural competition were: Steven M. Aroesty of Rochester, N.Y.; Jill L. Goldsmith of Carbondale, Ill.; Steven D. Miller of New York, N.Y.; Melissa K. Reardon of Chicago, Ill.; Michael M. Tamburini of Ballwin, Mo.; and Barron, Blaich and Blau, whom Chackes chose to compete in the regionals.

German students present play by Berthold Brecht

The German department will present Berthold Brecht's one-act farce, "The Wedding of the Petit Bourgeoisie," at 8 p.m. Saturday, March 22, in Steinberg Auditorium.

The play, which is free and open to the public, will be performed in German by undergraduate students of German. The directors, German exchange graduate students, are Irene Martschukat of Cologne and Michael Maass of Tuebingen.

Written in 1919, the play focuses on a contemporary wedding party that turns sour. Guests quarrel or flirt with each other, the groom's homemade furniture falls apart and the bride turns up pregnant. The breakdown of the petit bourgeoisie society is represented by the married couple and their guests: the more they drink, the more their moral and well-behaved facade disappears. In the end, the participants display their unpleasant, but true natures.

For more information, call 889-5160.

RECORD

Editor: Susan Killenberg, 889-5254

Assistant Editor: Laurie Navar, 889-5202

Editor, Medical Record: Betsy McDonald, 362-8257

Washington University Record (USPS 600-430; ISSN 0745-2136), Volume 10, Number 26, March 20, 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.

CALENDAR

March 20-29

LECTURES

Thursday, March 20

9:30 a.m. Foreign Language Week Lecture, "Sententiae and Roman History," Kevin Herbert, WU prof. of classics, and Cyrus St. Clair, Latin teacher in the Parkway School District. Graham Chapel.

10:30 a.m. Foreign Language Week Lecture, "Manners in Renaissance Italy," Michael Sherberg, WU asst. prof. of Italian. Graham Chapel.

2:30 p.m. Dept. of Mechanical Engineering Colloquium, "Aspects of the h- and p- Versions of the Finite Element Method," Ernst Rank, visiting assistant professor, Institute for Physical Science and Technology, U. of Maryland. 100 Cupples II.

4 p.m. Dept. of Anthropology Lecture, "Formational Processes and Archaeobotany," Neal H. Lopinot, WU research associate. 101 McMillan.

4 p.m. Dept. of Psychology Colloquium, "Perceptual Quality and Human Cerebral Asymmetry: Theoretical Implications," Jon Jonsson, U. of Southern California at Los Angeles. 102 Eads.

4 p.m. Public Affairs Thursday Series, "Tunica, Miss.: A Report From the Field on Poverty and Hunger in America," Roy DeBerry, adjunct prof. of political science, Jackson State U. Eliot 200 C & D.

4 p.m. Dept. of Chemistry Seminar, "Recent Advances in the Chemistry of Molecules with Sigma Delocalized Bonding," J.C. Martin, prof. of chemistry, Vanderbilt U. 311 McMillan.

4:30 p.m. Dept. of Mathematics Colloquium, "Cohomological and Arithmetic Aspects of Spectra of Semisimple Lie Group Representations," Floyd Williams, prof. of mathematics, U. of Massachusetts. 199 Cupples I.

8 p.m. Dept. of English Lecture, "How Berryman Read Lycidas," Mary Ann Radzinowicz, WU Visiting Hurst Professor. Hurst Lounge, Duncker Hall.

8 p.m. Dept. of Germanic Languages and Literatures Lecture, "Goethe and Mozart: Parallels and Affinities," Robert H. Spaethling, prof. of German, U. of Massachusetts-Boston. 320 Ridgley.

Friday, March 21

2 p.m. Engineering and Policy Seminar, "Increasing Atmospheric Carbon Dioxide and Climate Change: What We Know and Don't Know," Ralph Rotty, engineer/scientist, Institute for Energy Analysis, Oak Ridge Associated Universities. 104 Lopata.

4 p.m. Dept. of Music Lecture Series, "Psychological Aspects of Music Perception," Ira Hirsh, Edward Mallinckrodt Distinguished University Professor of Psychology and Audiology. Blewett B-8.

8:30 p.m. B'nai B'rith Hillel Foundation Lecture, "Rock 'n Scroll: Biblical Poetry and Popular Songs," Edward Greenstein, prof. of Bible, Jewish Theological Seminary. Hillel House, 6300 Forsyth Blvd. Services at 5:45 p.m., dinner at 6:30 and lecture at 8:30. Dinner costs \$4 for members and \$5 for non-members.

Sunday, March 23

7 p.m. Hillel Foundation Discussion, "Myths About Jews." Friedman Lounge, Wohl Center.

Monday, March 24

4 p.m. Dept. of Biology Seminar, "Cloning the cDNA for Gap Junction Channels," Dan Goodenough, Harvard U. 322 Rebstock.

4 p.m. Dept. of Psychology Colloquium, "Self Management Therapy for Depression," Lynn Rehm, U. of Houston. 102 Eads.

8 p.m. School of Architecture Lecture Series, "Regionalism and the Concept of Identity: Architecture in the Developing World," William J.R. Curtis, WU visiting professor of architecture. Steinberg Aud.

Tuesday, March 25

Noon. WU Medical School Irene Walter Johnson Rehabilitation Institute Employee

Fitness Program Lecture Series, "Exercise, Weight Control and Nutrition." IWJ Rehabilitation Institute Library, 509 Euclid Ave.

4 p.m. Eugene Feenberg Lecture with John A. Wheeler, physicist, U. of Texas at Austin. 201 Crow.

7:30 p.m. African and Afro-American Studies Panel Discussion, "The Vanishing Black Family: Reconsidered." Women's Bldg. Lounge.

Wednesday, March 26

11 a.m. Compton Lecture, "Inside Soviet Science: Peril and Promise," John A. Wheeler, physicist, U. of Texas at Austin. Graham Chapel.

1:30 p.m. Dept. of Education Colloquium, "The Clinical Supervision of Experienced Teachers," John Smythe, Deakin U., Victoria, Australia. 217 McMillan.

4 p.m. WU Medical School Irene Walter Johnson Rehabilitation Institute Employee Fitness Program Lecture Series, "Exercise, Weight Control and Nutrition." Schwartz Hall, Barnes Hospital.

5:30 p.m. Human Resource Management Speaker Series, "Career Development at Anheuser-Busch," Donald Platine, manager, career development, Anheuser-Busch Cos. Sponsored by Human Resource Management Organization-ASPA. 103 Simon.

Thursday, March 27

2:30 p.m. Dept. of Mechanical Engineering Seminar, "Biomechanics and Kinematics of the Human Wrist," Samuel E. Logan, asst. prof. of plastic and reconstructive surgery, WU School of Medicine. 100 Cupples II.

4 p.m. Dept. of Anthropology Lecture, "Transformation in African Agriculture: The Nigerian Solution," Ronald Cohen, prof. of anthropology, U. of Florida. 101 McMillan.

4 p.m. Public Affairs Thursday Series, "High Noon on the Old Kolkhoz: Summits as Political Theater 1945-1985," Robert C. Williams, prof. of history and dean of University College. Eliot 200 C & D.

4 p.m. Dept. of Chemistry Seminar, "Entropy Bottlenecks in Gas Phase Elimination Reactions," James M. Farrar, prof. of chemistry, U. of Rochester. 311 McMillan.

8 p.m. Israel Action Committee Lecture, "The Problem of Jewish Identity in Israel," Zvi Bekerman, director of education dept. of the American Zionist Youth Foundation. Also sponsored by Hillel House and Jewish Community Centers Association. Hillel House, 6300 Forsyth Blvd.

Friday, March 28

11 a.m. Assembly Series Lecture, "The Cultural Crisis of the Early 17th Century: Modern Philosophy and the Religious Wars," Stephen E. Toulmin, prof. of social thought and philosophy, U. of Chicago. Sponsored by the Exxon Foundation. Graham Chapel. The lecture is in conjunction with the Eighth St. Louis Symposium on German Literature.

PERFORMANCES

Friday, March 21

11 a.m. Foreign Language Week Spanish Play, "La casa de Bernarda Alba." Graham Chapel. (Also Sat., March 22, at 8 p.m., Graham Chapel.)

8 p.m. WU Performing Arts Area Presents "Hired Hands," written by Diana Marre, A.E. Hotchner Award winner. 208 Mallinckrodt Center. (Also Sat., March 22, same time, and Sun., March 23, at 2 and 8 p.m.) Admission is \$3 for the public; \$2 for WU community.

Saturday, March 22

8 p.m. Foreign Language Week German Play, "Di Kleinburger Hochzeit." Steinberg Aud.

Friday, March 28

8 p.m. WU Performing Arts Area Presents Ibsen's "A Doll's House" at Edison Theatre. (Also March 29 and April 4 and 5, same time, Edison.) General admission is \$5; WU faculty, staff and students, \$4.

MUSIC

Saturday, March 22

8 p.m. Dept. of Music Voice Recital with Lesley Huntley, junior in the WU College of Arts and Sciences. Brown Lounge.

Sunday, March 23

4 p.m. United Methodist Campus Ministry Concert featuring Brian Becker, contemporary Christian musician. The Gargoyle.

8 p.m. WU Percussion Ensemble Concert. Tietjens Rehearsal Hall.

Wednesday, March 26

8 p.m. Dept. of Music Graduate Fortepiano Recital with Mary Ellen Patnaude, WU graduate student in music. Steinberg Aud.

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.

"Guenter 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.

FILMS

Thursday, March 20

7 and 9:30 p.m. WU Filmboard Series, "Woman of the Dunes." \$2. Brown Hall.

8 p.m. Foreign Language Week Italian Film, "Open City." 210 Ridgley.

Friday, March 21

8 and 10 p.m. WU Filmboard Series, "The Sure Thing." \$2. Brown Hall. (Also Sat., March 22, same times, and Sun., March 23, at 7 p.m., Brown.)

Midnight. WU Filmboard Series, "The Song Remains the Same." \$2. Brown Hall. (Also Sat., March 22, same time, and Sun., March 23, at 9 p.m., Brown.)

Monday, March 24

7 and 9 p.m. WU Filmboard Series, "African Queen." \$2. Brown Hall. (Also Tues., March 25, same times, Brown.)

Wednesday, March 26

7 and 9 p.m. WU Filmboard Series, "French Shorts." \$2. Brown Hall. (Also Thurs., March 27, same times, Brown.)

Friday, March 28

6:30 and 9:15 p.m. WU Filmboard Series, "Mary Poppins." \$2. Brown Hall. (Also Sat., March 29, same times, and Sun., March 30, at 1:30 p.m., Brown.)

Midnight. WU Filmboard Series, "The Shining." \$2. Brown Hall. (Also Sat., March 29, same time, and Sun., March 30, at 1:30 p.m., Brown.)

SPORTS

Thursday, March 20

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

Friday, March 21

2 p.m. Baseball, WU vs. St. Ambrose College. Kelly Field.

Saturday, March 22

10 a.m. Men's and Women's Track and Field, WU Open. Francis Field.

10:30 a.m. Women's Tennis, WU vs. U. of Wisconsin-Whitewater. Tao Tennis Center.

Sunday, March 23

1 p.m. Baseball Doubleheader, WU vs. Indiana U.-Southeastern. Kelly Field.

Wednesday, March 26

1 p.m. Baseball, WU vs. Missouri Baptist College. Kelly Field.

Thursday, March 27

3 p.m. Men's Tennis, WU vs. U. of Missouri-Rolla. Tao Tennis Center.

WU Invitational Baseball Tournament at Kelly Field

Friday, March 28

9:30 a.m. Tournament, Augustana vs. Carroll.

Noon. Tournament, Rose-Hulman vs. WU.

2:30 p.m. Tournament, Carroll vs. Rose-Hulman.

Saturday, March 29

9:30 a.m. Tournament, Carroll vs. WU.

Noon. Tournament, Augustana vs. Rose-Hulman.

2:30 p.m. Tournament, Augustana vs. WU.

Saturday, March 29

9 a.m. Men's Tennis, WU vs. St. Ambrose College. Tao Tennis Center.

11 a.m. Golf, WU vs. Augustana. Normandy Country Club.

MISCELLANY

Thursday, March 20

9 a.m. Administrative Staff Spring Meeting. Agenda includes remarks by Chancellor William H. Danforth and Gerald D. Bolas, director of the WU Gallery of Art. Steinberg Aud.

Friday, March 21

6-10 p.m. Thurtene/Michelob Racquetball Tournament at the WU Athletic Complex. (Also Sat., March 22, 10 a.m.-4 p.m., athletic complex.) The cost is \$6 a person. Registration, which ends Thurs., March 20, will be held from 11 a.m. to 1 p.m. in the lobby of the Mallinckrodt Center.

Saturday, March 22

9 a.m.-noon. GRE Preparation Workshop. 302 Umrath. (Also Sat., March 29, same time, Umrath.) Cost of materials is \$10. To pre-register, call the Learning Center at 889-5939.

Sunday, March 23

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

Monday, March 24

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

7 p.m. Hillel House Purim Holiday Megilla Reading and Square Dance. Reading at 7 p.m. and square dance at 8 p.m. Hillel House, 6300 Forsyth Blvd.

Saturday, March 29

1-3 p.m. WU Women's Society Annual Easter Egg Hunt for children of WU international students, researchers and faculty. Stix International House, 6470 Forsyth Blvd. The reservation deadline is Thursday, March 27. For more info., call the International Office at 889-5910.

Calendar Deadline

The deadline to submit items for the April 10-19 calendar of the *Washington University Record* is March 27. 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.