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 prepayment plan to be made available to the students.

The overall increase in fees totals 11.7 percent, with tuition climbing from $8,300 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 1,560 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 tuition 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 similar institutions over the past two years are as follows."

<table>
<thead>
<tr>
<th>Institutions</th>
<th>Anticipated Percentage Increase for 1986-87</th>
<th>Percentage Increase for Two Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>U. of Chicago</td>
<td>$11,550</td>
<td>28.5%</td>
</tr>
<tr>
<td>Northwestern U.</td>
<td>$11,100</td>
<td>15.4%</td>
</tr>
<tr>
<td>U. of Rochester</td>
<td>$10,505</td>
<td>24.0%</td>
</tr>
<tr>
<td>Washington U.</td>
<td>$10,500</td>
<td>22.9%</td>
</tr>
<tr>
<td>Carnegie Mellon U.</td>
<td>$10,250</td>
<td>12.9%</td>
</tr>
<tr>
<td>Tulane U.</td>
<td>$10,000</td>
<td>25.0%</td>
</tr>
</tbody>
</table>

"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

Internationally recognized chemist with Monsanto will join faculty in fall

Jacob Schaefer, Ph.D., an internationally recognized chemist with Monsanto, will join the faculty in fall as a distinguished scientist.

"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," said Chancellor William H. Danforth.

The Charles Allen Thomas endowed professorship, created in 1976, has been a late civic leader, 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.

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. Ghost-busters" 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 underside 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.

‘Doll’s House’ opens March 28
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 into nuclear physics that were important in building nuclear weapons. For example, in the 1950s, he was director of Project Matterhorn at Princeton University. The Project Matterhorn team worked out early conceptual designs for the first nuclear devices.


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's David May Distinguished University Professor in the Humanities, will deliver the banquet address, "Viva 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. Baumer, professor of humanities, University of Wisconsin-Madison; Conrad Wiedemann, professor of German, University of Giessen, West Germany; and Charles S. Mann, 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, West Germany; and, this year, the government 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

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," Bachholz added. "It is the only program of its type we know of in higher education.

The 1986-87 increases announced 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.
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 specific combination of power and magnetic strength, the nuclei of certain atoms produce characteristic signals. The phase, frequency and positions of the signals on a graph give scientists "fingerprints" identifying molecular structures.

Schaefer discovered that by spinning solids mechanically at high speeds, he could turn exactly 54.7 degrees relative to the center of the magnetic field, he could observe samples using high-speed 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 signals from atoms that provide detailed information about the chemical structure of highly complex solids."

He used his powerful new technique to study molecules in everyday plastics. This work led to a better understanding of basic polymer physics and earned him the 1947 Nobel Prize in chemistry.

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 microorganisms," he said.

Schaefer will continue his metabolism research at WU, already an NMR leader. He said his own laboratory's unique equipment will come with him, making WU's NMR "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 and was elected a Fellow of the American Physical Society in 1980.

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 a 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 compete for the international client counseling title March 25 in San Antonio.

Another WU mock trial team progressed to the semifinals during the regional event. The University was the only law school to advance 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 finals for the last six years. In 1985, 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 competitions."

The third-year law students who will compete in the national mock trial competition are: Harry M. Haytayan of Nashua, N.H.; Mark A. Lynch of Topkea, Kan.; and Gerald W. Basset 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 semi-finals were: David M. Kenyon of Ceresco, Mich.; Shelley L. Woodward of Kirkwood, Mo.; and Nancy B. Stern 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 counseling who works with Black and Mexican-American clients in groups. Davis also was first-class representatives of WU. They worked very hard to prepare for the regional competitions."

Students from the upperclass winners in the intramural competitions are: M. Arcus, Rochester, N.Y.; J.L. Goldsmith of Carbondale, Ill.; Steven Dyson of Newton, N.J.; and K. Reardon of Chicago, Ill.; Michael M. Tamburini of Ballwin, Mo.; and Barron Blitch and Blau, whose student coaches chose to compete in the regionals.

Law school team win regional titles; head to nationals

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.

Brecht's 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 Marschukat of Cologne and Michael Machalin of Darmstadt.

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

For more information, call 889-5160.

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For more information, call 889-5160.
CALENDAR

LEcTURES
Thursday, March 20
9 a.m. Foreign Language Week Lecture, "Sentiment and Roman History." Kevin Hebert, WU prof. of classics, and Cyrus St. Clair, visiting lecturer in the Parkwood School District, Graham Chapel.


2:30 p.m. Dept. of Mechanical Engineering Colloquium, "Aspects of the b- and c- polypeptides of the Fine Structure Element." Ernst Rank, visiting prof. of political science, Jackson State U. Elms 200 C & D.

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

Friday, March 21

Saturday, March 22
8 p.m. WU Medical School Irene Walter Johnson Rehabilitation Institute Employee Fitness Program Lecture Series, "Exercise, Weight Control and Nutrition." WU Rehabilitation Institute Library, 509 Euclid Ave.

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


Wednesday, March 26
11 a.m. Compton Lecture, "Contemporary 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.

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


7:30 p.m. "Guenter Grass Prints." Through April 13. Gallery of Fine Arts, upper level. 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 level. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-4523.

Friday, March 27
8 p.m. Foreign Language Week Italian Film, "Open City," 210 Ridge.

Saturday, March 28
8 p.m. WU Filmboard Series, "African Queen." $2. Brown Hall.


Monday, March 30
8 p.m. WU Filmboard Series, "Mary Poppins." $2. Campus Y, Umrath Hall.

Tuesday, March 31
2-4 p.m. Campus Y 75th Anniversary Open House. Campus Y, Umrath Hall.

Wednesday, March 25
11 a.m. Journalism Week Lecture, "The Structure of the Newsroom." Edward Benet, prof. of political science, Oak Ridge Associated Universities.

PERSPECTIVES
Friday, March 21
8 p.m. WU Performing Arts Area Presents "Billed Hands," written by Donald A. Hatcher Award winner. 208 Mallinckrodt Center. Also sponsored by WU Lesbian Organization.

Saturday, March 22
8 p.m. Foreign Language Week German Play, "Di Kleines Hochzeit." Steinberg Aud.

March 20-29
MUSIC
Saturday, March 22
8 p.m. Dept. of Music Voice Recital with Lesley Hunter, 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, Tusieres Rehearsal Hall.

Wednesday, March 26
8 p.m. Dept. of Music Graduate Forensic Piano Recital with Mary Ellen Pittsou, WU student in music, Steinberg Auditorium.

Thursday, March 27
8 p.m. Men's Tennis, WU vs. U. of Missouri, Taub Tennis Center.

Friday, March 28
3:30 p.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. Men's Tennis, WU vs. St. Ambrose College at Tennis Center.


EXHIBITIONS
"19th-century Art From the Permanent Collection." Through April 13. Gallery of Art, upper level. 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, lower level. 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 level. 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, "Women of the Dunes." $2. Brown Hall.

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

Friday, March 21
8 and 10 p.m. WU Filmboard Series, "The Sure Thing." $2. Brown Hall.

Friday, March 22
8 p.m. Foreign Language Week Italian Film, "Il Gnome," 210 Ridge.

Friday, March 23
7 and 9 p.m. WU Filmboard Series, "African Queen." $2. Brown Hall.

Wednesday, March 26
7 and 9 p.m. WU Filmboard Series, "French Shorts." $2. Brown Hall.

Friday, March 28
6:30 and 9:15 p.m. WU Filmboard Series, "Mary Poppins." $2. Brown Hall.

Saturday, March 29
8:30 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. Hilfe House Purim Holiday Megilla Reading and Square Dance. Reading at 7 p.m. and square dance at 8:30 p.m. Hilfe House, 6500 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. St. Nick International House, 6470 Forsyth Blvd. The reservation deadline is Thursday, March 27. For more info., call the International Office at 889-9510.

SPORTS
Thursday, March 20
3 p.m. Men's Tennis, WU vs. Westminster College. Taub 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 Meet, WU vs. Franklin College.

Sunday, March 23
1 p.m. Baseball Doubleheader, WU vs. Indiana U.-Southeastern. Kelly Field.

Friday, March 21
6-10 p.m. Thurtene/Mitcheloc 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. GBE Preparation Weekend. Workshop 502, Umrath Hall. (Also Sat., March 29, same time, Umrath Hall.) Cost of materials is $40. To pre registering, call the Learning Center at 889-9553.

Sunday, March 23
2-4 p.m. Campus Y 75th Anniversary Open House. Campus Y, Umrath Hall.

Monday, March 24
5:30-6:30 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.

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Calendar Deadline
The deadline to submit items for the April 10-19 calendar of the Washington University Broadside will be Thursday, March 27. All items must be typed and state time, date, place, nature of event, sponsor and address. 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 McLeyor, calendar editor, Box 1070.

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