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December 7, 1978

125th
YEAR

W.U. RECORD

Lights On, Off: WU Battles Energy Increases

The WU Physical Facilities Group has tried to counteract the constantly increasing cost of energy through a number of energy-saving measures that range from simply turning out lights to heating and cooling buildings automatically with a sophisticated computer system. Currently under way is a survey of lighting usage on the campus to determine additional means of energy conservation.

According to William F. Peglar, senior mechanical-electrical engineer in the Facility Design Department of Physical Facilities, the University has always tried to conserve energy. Six years before the Arab oil embargo, some buildings on campus received "economizer packages" which changed the control systems for heating and air conditioning so that outside air could be used for heating and cooling as much as possible.

About three years ago, Peglar said, time clocks were installed in Brookings, Mallinckrodt, Eliot, Mudd and other buildings. These clocks shut off heating and cooling after working hours and turn them on again in the morning. That step alone has saved up to 30 per cent on energy consumption in those buildings.

"Over the past five years," Peglar said, "the rate of increase in our energy consumption has dropped dramatically; yet fuel prices have increased so rapidly that we're still losing ground."

To try to gain back some of that lost ground, the University has set a policy for adjust-



Stack-studying may be limited with the installation of automatic timers on Olin's stack lights.

ing thermostats for 68 degrees in the winter and 75 degrees in the summer. The WU community, according to Peglar, has responded admirably in complying with this policy and with other energy-saving measures, such as turning off unnecessary lights.

Lighting has been the subject of a survey over the past four weeks to determine some "quick fix" solutions to the energy problem. "These are things we can do easily without great cost," Peglar said.

Two buildings are being surveyed each week to measure the amount of light used and to determine if the buildings could get along with less light in certain areas by decreasing the number of lights or the wattage of the bulbs. When the results of the survey become known (and the occupants are advised) the proper steps will be taken. "Reducing fluorescent lighting by 10 per cent can save as much as 13 per cent on lighting costs," Peglar said.

According to Peglar, Olin Library used 400 kilowatts per hour for lighting prior to

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Senate Passes Kohl's Motion, Academic Freedom Recommendation

The Faculty Senate at its December 1st meeting voted on three recommendations formulated by the Faculty Senate Council concerning the voting of proxy issues, the holding of stocks and the protection of academic freedom.

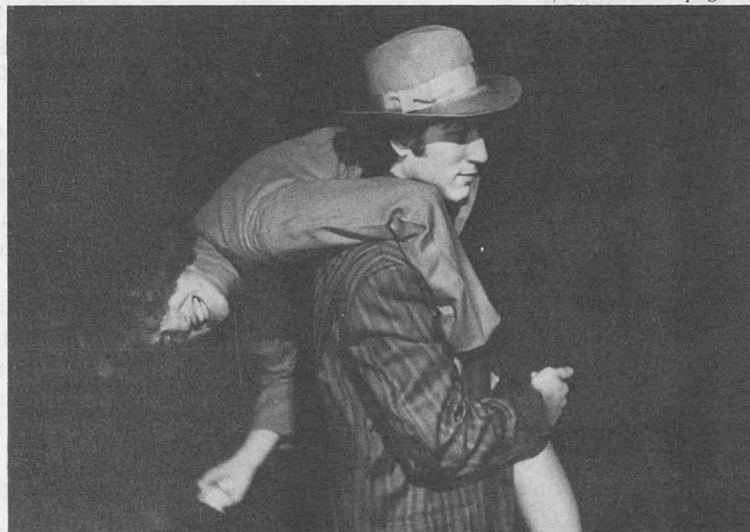
The Senate passed, as a substitute motion to the Faculty Senate Council's recommendation that the Board of Trustees consider the blind trust proposal of Vice Chancellor John H. Biggs, a motion introduced by Daniel H. Kohl, associate professor of biology and representative of the Informal Faculty Group for Corporate Responsibility. The motion as adopted states: "The Senate feels that ethical considerations in proxy voting are desirable insofar as they do not threaten academic freedom. Be it resolved that the Senate establish a committee to devise a mechanism which would result in faculty opinion having a significant impact on the manner in which the University's shares are voted on controversial proxy issues. The recommendations of this committee should be submitted to the Senate at its next regular meeting."

In accordance with the Senate's constitution, Chancellor William H. Danforth will appoint a committee, with the advice of the Faculty Senate Council, which will be charged with devising recommendations for the establishment of a mechanism through which the Faculty can express its opinion on controversial proxy issues. The committee will make its recommendations to the Faculty Senate at its next regular meeting, which will be held during spring semester.

The Senate also passed the Faculty Senate Council's recommendation that states, "The Senate urges the Board of Trustees to reject any proposals for policy formulation that would threaten the academic freedom on this campus which the Board has respected and helped to protect for so many years."

The Senate Council's recommendation that "The Senate has

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Peter H. Zimmerman

Abe Burrows and Jo Swerling's musical comedy *Guys and Dolls* will be presented by the PAA Dec. 8-10 at Edison. Above, Lizanne Wilson plays Sarah Brown and Stephen Legawiec, her boyfriend, Sky Masterson. (See Calendar)

Busy-Man Dixon Continues Quest Through Equality Series

Robert G. Dixon, Jr., Daniel Noyes Kirby Professor of Law at WU, is the man behind the School of Law's "Quest For Equality" series, organized in honor of the University's 125th Anniversary.

How did he get the idea for the symposia? "I have been interested in the constitutional law of equality for some time in my research and writing," he said. "What's more, the Deer Creek Foundation of St. Louis, the sponsor of the series, liked the idea. Also, any observer of the current scene, regardless of background, would have to agree that the pursuit of the meaning of equality and its many elusive aspects is one of the most important issues of our time."

How did he get the speakers for the series? "Many of them I met over the years in the law school world," he said. "Others I met while serving in Washington, D.C., as U.S. assistant attorney general or through other professional contacts. We wanted to get knowledgeable, distinguished people in order to provide a broadly based discussion of the issues with all of the viewpoints expressed. I think we have done that."

As a law professor, Dixon has been involved in many projects. "Teaching has been rewarding," he said. "I like to watch law students mature and then help them join law firms and find various other positions."

"My teaching experience has been a helpful check on the validity of my research ideas," he pointed out. "The research in turn keeps you on the frontier of the field. It enriches your teaching."

He has published more than fifty articles in professional journals, numerous book reviews, and has written or contributed to more than a dozen books. His book on the subject of "one man, one vote," titled *Democratic Representation: Reapportionment in Law and Politics*, won the Woodrow Wilson award in 1969 as the best book on government, politics or foreign affairs.

He is often asked to do advisory committee work, especially by the federal government. He recently finished a term on the U.S. Civil Service Commission Advisory Committee on Administrative Law Judges, and is chairman of another research advisory committee on which U.S. Supreme Court Justice William H. Rehnquist, who was his predecessor as assistant attorney general, also serves. He has just completed a term on the executive committee of the American Bar Association's section of administrative law.

"When I was assistant attorney general," he said, "it almost seemed that I lived on Capitol Hill in congressional committee hearings." More recently, he has testified on social security disability and the constitutionality of the congressional veto.

In addition to appearing on professional panels, Dixon has given a number of lectures on law at Cornell and other universities. The weekend after he was interviewed, he lectured at the University of Missouri on a subject discussed at the symposia. He has also been asked to present a paper on the Bakke case at a meeting of the Association of American Law Schools on January 4 in Chicago.

He is a busy man but not so busy that he couldn't organize a



Professor Robert G. Dixon, Jr.

top-flight program at the WU Law School. Of the program, one of the major public figures taking part said, "I doubt if there will be a more impressive group of scholars assembled for any purpose this year."

(King McElroy)

Energy

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1978. He said a significant job of reducing the cost of lighting the library has already been done, and the project, when finished, could save \$20,000, or more, a year.

The plan for Olin includes automatic timers for the lights in the stacks. Just before this year's summer session, timers were installed in the first-floor stacks. The lights are turned on manually, but go out automatically after 30 minutes, and must be manually turned on again for another 30-minute cycle.

This system, when fully installed, could cut the time the lights are on in the stacks by 50 per cent, Peglar said. If the library staff, students and faculty have no problems using the system, then timers will be installed on the lights in the other Olin stacks.

Other measures taken on campus include the installation of photo cells on lighting in corridors that receive good natural light during the day. The photo cell turns off the lights when the corridor is sunlit. Plans call for additional solar reflecting material on windows with southern exposure in order to cut down on heating from the sun during the summer.

In addition to these relatively simple methods of energy conservation, a more complex solution possibly has been found for Mallinckrodt Center. A computer is being installed in the power plant building, Peglar said, that will connect with Mallinckrodt Center via telephone lines and will control the "on-off" periods of heating and air conditioning in the building.

Mallinckrodt Center now has a total environment system that regulates the building's temperature. But different parts of the building are used at different times during the day, requiring a more sophisticated control than one which turns the heating and

air conditioning on in the morning and off at night.

Basically, the computer will monitor energy consumption and demand, Peglar said, and turn large fan motors, pumps and electric heaters on and off for short intervals while Mallinckrodt is occupied. The computer will monitor five areas in the building separately: the bookstore, Edison Theatre, food services, the Performing Arts Area offices and the rest of the building. At the end of a year, if the system substantially reduces energy consumption, it could be used in other buildings with total environment systems.

Peglar said they would like to see other projects undertaken. Most of the older buildings on campus have radiator heating systems and the amount of steam they get is controlled by the power plant. "We would rather take control away from the central power plant and put control valves on individual buildings, or better yet, one valve for each room that has radiators," Peglar said.

This procedure, he said, would solve the problem of overheating in the winter. The project is relatively expensive, but, with energy costs steadily going up, such a system could save significant amounts of energy over a three- or four-year period.

LUCIUS J. BARKER, Edna F. Gellhorn University Professor of Public Affairs and professor of political science at WU, and his brother Twiley W. Barker, Jr., of the University of Illinois (Chicago Circle), have published the third edition of their book *Civil Liberties and the Constitution: Cases and Commentaries*. Professor Barker was chairman of the WU Political Science Department from 1973 to 1978.

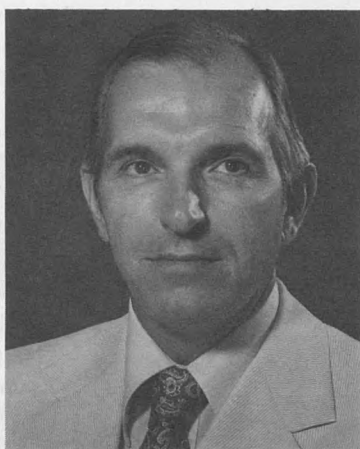
Announcements

DEPENDENT HEALTH CARE COVERAGE: Faculty and staff who have health care coverage through WU are reminded to check age limitation requirements for unmarried dependents under various University policies. Blue Cross/Blue Shield (BC/BS) coverage ends December 31 of the year in which a dependent reaches age 23. To continue coverage after December 31, with no break in coverage, an application for sponsored membership must be completed and returned to BC/BS prior to December 31. Sponsored membership may be continued until age 27 or marriage, whichever comes first. For sponsored membership, call Helen Glass at 658-4674 or 658-4444. All changes are handled directly through BS/BC. Major Medical covers dependents to their 19th birthday, or through age 22 for full-time students. The Medical Care Group covers dependents until the 19th birthday, or 25th birthday for full-time students. For further information, call Floyd Brown, Ext. 5990.

THE DEADLINE for applications for the International Human Rights Internship Program (1979-80) is February 1. Graduate students with some practical experience or academic training in international human rights, regardless of the field, are eligible. For further information, call Ext. 5958.

THE DEPARTMENT OF MUSIC Composers' Symposium, originally scheduled for Dec. 1, will be held Dec. 7 at 8 p.m., in Tietjens Hall. The speaker will be Roland Jordan, assistant professor of music and composer of "Maps," a piece recently premiered on campus.

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John R. Barsanti, Jr.

Senate

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no recommendation to make regarding the selection of University investments," did not pass because of a tie vote of 53 to 53. "The issue is dead, unless re-introduced at another meeting," said Professor of Physics Michael Friedlander, chairman of the Senate Council.

A substitute motion, introduced by Associate Professor of History Henry W. Berger, calling for "full divestiture of those University securities invested in firms conducting activities in the Union of South Africa," lost 39 to 57.

ROBERT C. WILLIAMS, WU professor of history, has been named a member of the editorial board of the *Slavic Review* for a three-year term beginning January 1. The *Slavic Review*, published quarterly by the American Association for the Advancement of Slavic Studies, is the major American journal in the Slavic, East European and Russian field.

HAZEL SPRANDEL has been appointed coordinator for handicapped students and associate director of special projects with Special Educational Services (SES). Sprandel formerly held jointly the positions of career specialist in SES and associate director with the Career Planning and Placement Service office.

Business Executive, Civic Leader John Barsanti Is Named WU Trustee

John R. Barsanti, Jr., St. Louis business executive and civic leader, has been named a trustee of WU. Barsanti is president and chief operating officer of the Kellwood Company of St. Louis, a diversified manufacturer of apparel, home fashions and recreational equipment.

Chancellor William H. Danforth announced the appointment, saying: "Jack Barsanti is one of our most loyal and dedicated alumni. During his student days, he demonstrated those traits of leadership which earned him recognition early on, and were a portent of the contributions he has continued to make to town and gown. A genial man of warmth, sincerity and rare acumen, he has served a variety of worthwhile causes with a devotion which is as rare as it is valuable."

Barsanti joined Kellwood in 1967 as secretary and general counsel. Six years later he was named corporate vice president for home fashions and a member of the company's board of directors. He assumed his present position in 1976.

Previously, he was in private law practice in St. Louis for 15 years. Barsanti earned industrial engineering and law degrees from WU in 1949 and 1952, respectively.

Barsanti is a member of WU's highest-ranking alumni organization, the Alumni Board of Governors. From 1969 to 1970, he presided over the Alumni Federation, predecessor of the Alumni Board of Governors. Barsanti served as chairman of the Long Range Planning Committee of what is now the Board of Governors, and was a founding director and first president of the WU Alumni Club, 335 Mansion House Center.

Barsanti is president of the board of directors of Goodwill Industries of Missouri, and in November, was elected to the board of the Regional Commerce and Growth Assoc. (RCGA). His other directorships include: United Way of Greater St. Louis, Color Art, Inc., American Apparel Manufacturer's Assoc. and General Metal Products.

A member of the American and Missouri Bar Association, he is a past president of the Bar Association of Metropolitan St. Louis. Barsanti has been president of several key Kirkwood community organizations.

He and his wife, the former Nancy Lee Nansen, reside in Des Peres, Mo. They have four children: Lisa, a senior at Cornell University; Bill, a sophomore at the University of Hartford; Lori and Lucy, 17 and 13 years old, respectively.



Joseph Carenza, Jr., (right), WU's Battling Bears Soccer Team coach, presents John M. Schael, director of Sports and Recreation, with the trophy won by the team for second place in the 1978 NCAA Division III, National Collegiate Championship competition. The Bears placed second after their defeat by Lock Haven State on Nov. 25.

Calendar December 8-14

FRIDAY, DECEMBER 8

2 p.m. Department of Technology and Human Affairs Seminar, "Public Policy and Social Organization: Three Studies of Resistance to Change," Barry D. Anderson, director, WU Graduate Institute of Education. 307 Urbauer.

3 p.m. Student Union and WU L-5 Society Lecture, "No Limits to Growth," H. Keith Henson, National L-5 Society, Tucson, Ariz. A question and answer period will follow the lecture. 110 January.

7:30 p.m. St. Louis Linguistic Society Lecture, "The Semantic Object of a Syntactic Subject in Gujarati," Mridula Adenwala, visiting asst. prof. of anthropology. Hurst Lounge, Duncker Hall.

SATURDAY, DECEMBER 9
9 a.m. School of Dental Medicine Continuing Education Course, "Clinical Management of Temporomandibular Joint Dysfunction," Dr. Harold Gelb, director, Temporomandibular Joint Clinic, New York Eye and Ear Infirmary, NY. WU School of Dental Medicine, 4559 Scott. Tuition \$135. To register, call 454-0387. (The course continues all day Sunday, Dec. 10.)

SUNDAY, DECEMBER 10

1:30 p.m. Newman Center Tour of Shaw's Garden's Christmas Exhibit. The Rev. John Columban will lead the tour. Interested persons must sign up in advance at the center. The tour will leave from the Newman Center parking lot.

2 p.m. "Holiday, '78," a holiday season celebration, with popcorn and cranberry stringing, candle and cookie making, singing and refreshments of traditional Christmas and Hanukkah foods. The 1938 version of "A Christmas Carol" will be shown at 4:30 p.m. All WU students welcome. The celebration will continue through 5 p.m. Wohl Center, lower level.

MONDAY, DECEMBER 11
11 a.m. Department of Civil Engineering Seminar, "The Use of Viscoplasticity in the Numerical Analysis of Soils Problems," John F. Peters, Dept. of Materials Engineering, U. of Ill., Chicago Circle. 100 Cupples II.



Peter H. Zimmerman

Every Tuesday, international students crowd the International House for home-made sandwiches and other munchies provided free by the Baptist Student Ministry, a part of the Southern Baptist Convention. Some ten area churches sponsor the lunches and other programs. The lunch program is coordinated by Mrs. Edith Chan.

2 p.m. Department of Germanic Languages and Literatures Lecture, "Die Begegnung zwischen Schiller und Goethe als literatursoziologisches Paradigma," Michael Bohler, visiting prof. of German, Ohio State U., prof. of German, U. of Zurich, Switzerland. 320 Ridgley.

WEDNESDAY, DECEMBER 13
4 p.m. Center for Basic Cancer Research Seminar, "Events Controlling the Commitment to Differentiation of Teratocarcinomas," Dr. Arnold J. Levine, Dept. of Biochemical Sciences, Princeton U. Erlanger Auditorium, 4750 McKinley.

THURSDAY, DECEMBER 14
12 noon. Very Interesting Women Series, with Sylvia Madeo, WU asst. prof. of accounting. Women's Bldg. Lounge.

12 noon. Biomedical Engineering Program Seminar, "Response of Human Platelets to Shear Flow," S. P. Sutera, WU prof. of mechanical engineering, Dr. J. H. Joist, director, Hemostasis and Thrombosis Lab., Barnes Hosp., and D. A. Stevens, WU research asst., mechanical engineering. 215 Cupples II.

Music

SUNDAY, DECEMBER 10
8 p.m. WU Collegium Musicum and the WU Madrigal Singers Concert, directed by Alan Lumsden, visiting artist-in-residence, and Orland Johnson, prof. of music. The program will consist of works by 17th century composer Heinrich Schütz. Graham Chapel.

MONDAY, DECEMBER 11

8:15 p.m. WU Civic Chorus and University Choir Concert, directed by Orland Johnson, WU prof. of music. The choirs and a university orchestra will perform Bach's Mass in B minor. Graham Chapel.

TUESDAY, DECEMBER 12

8 p.m. WU Wind Ensemble Concert, directed by Dan Presgrave, WU instructor of music. The program will include "Alborada del Gracioso," by Ravel, the St. Louis premiere of "Symphony for Band," by Jerry Bilik, and, with the University of Missouri at St. Louis Jazz Band, "Rhapsody for Concert Band and Jazz Ensemble," by Pat Williams. Edison Theatre.

Performing Arts

FRIDAY, DECEMBER 8
8 p.m. Performing Arts Area Production, *Guys and Dolls*, by Abe Burrows. Sidney Friedman, chairman of the Performing Arts Area, will direct an all-student cast. Edison Theatre. Admission \$3; \$2 for the WU community and all students. Tickets available at Edison Theatre Box Office. (Also 2:30 and 8 p.m., Sat., Dec. 9, and 2:30 p.m., Sun., Dec. 10, Edison.)

Films

FRIDAY, DECEMBER 8
7 and 9:30 p.m. WU Filmboard Series, "Last Tango in Paris." Brown Hall Theatre. Admission \$1.50. (Also Sat., Dec. 9, same times, Brown; and Sun., Dec. 10, 8 p.m., Wohl Center.

12 midnight, WU Filmboard Series, "Fritz the Cat." Brown

Hall Theatre. Admission \$1. (Also Sat., Dec. 9, midnight, Brown.)

SATURDAY, DECEMBER 9

8 p.m. Office of Student Activities American Cinema Series, "Remember the Night," with Barbara Stanwyck, and "Penny Serenade," with Irene Dunne. Rebstock Auditorium. Admission \$1.50.

SUNDAY, DECEMBER 10

7 p.m. Student Academic Committee Double Feature, "A Christmas Carol" (1938) and "We're No Angels," with Humphrey Bogart. Rebstock Auditorium. Admission \$1. Free refreshments.

MONDAY, DECEMBER 11

7:30 p.m. WU Filmboard Double Feature, "Inherit the Wind" and "Twelve Angry Men" (9:45 p.m.). Brown Hall Theatre. Admission \$1.50 for either or both films. (Also Tues., Dec. 12, same times, Brown.)

WEDNESDAY, DECEMBER 13

7:30 p.m. and 9:45 p.m. WU Filmboard Series, "The Blue Angel." Brown Hall Theatre. Admission \$1.50. (Also Thurs., Dec. 14, same times, Brown.)

Exhibitions

"Lev Tolstoi" (Leo Tolstoy), an exhibit of books by and about the Russian author, philosopher and educator, displayed to commemorate the 150th anniversary of his birth. All volumes are from the Olin Library collection. Olin Library, level three. 8 a.m.-12 midnight, daily. Through Dec. 18.

"Alice Hanson Jones, Professor Emeritus of Economics at WU," a special display of some of her publications. Jones has devoted much of her life to the study of wealth during American Colonial days. Olin Library, level three. 8 a.m.-12 midnight, daily. Through Dec. 11.

"WU Faculty Art Show," featuring works in all media. WU Gallery of Art, Steinberg Hall. 9 a.m.-5 p.m., Mon.-Fri.; 1-5 p.m., Sat., Sun. Through Jan. 7.

"Sixteen Years of Collection Building: 1962-1978," a collection of rare books. Olin Library, level five. 8:30 a.m.-5 p.m., weekdays. Through Dec.

Sports

FRIDAY, DECEMBER 8
4:30 p.m. Wrestling, WU vs. U. of Mo., Rolla. Francis Field House.