A large bronze statue of the Scottish poet Robert Burns has been standing tall and straight near the center of Foshay and Shirley buildings since 1928. An old acquaintance of students in nearby Bixby Hall are students. "Bobby B," was first Jan. 28 by students of the Graphic Communications Department to commemorate, "Bobby B." We could only previously obtain through the law a few days his 228th birthday. Disfigured perhaps by his location on the campus's Lowlands. Burns would have been shown by the fellowship of this group, a record of their participation in the Great Art School Chib Godokk and other celebrations. On board were Bret Vender Mark, assistant professor of art, sculp, and Robert C. Smith (sunground, with glamer), professor of art and acting chairman of the Design Department. The sculpture, made between 1925 and 1927 by American Robert Ingroffl Aiken (1878-1949), was commissioned by Wm. K. Bixby, for which Bixby Hall was named, and given to WU by the Burns Society of St. Louis.

Graphics, CAT scans, computers guide surgeon in face-craft design

Technology developed to design military aircraft is now being used to plan correct surgery for craniofacial deformities. By creating three-dimensional shaded skeletal replicas from two-dimensional CAT scans, engineers and physicians have produced remarkable views of facial deformities.

A surgeon can now visualize a patient's post-operative appearance by rearranging a 3-D replica of that patient's skull through the use of a computer, can be conjured up on a TV screen. Alterations to the 3-D video replica actually simulate what the surgeon plans to do in the operating room.

The technique, developed at the Mallinckrodt Institute of Radiology at the WU Medical Center has already been used for more than 100 patients whose deformities were caused by cancer, trauma or birth defects.

"Using the 3-D images and new interactive graphics, we can get the kind of information about living persons that we could only previously obtain through an autopsy," said Jeffrey Marsh, a plastic surgeon who, with radiologist Michael Vannier, is spearheading the project. "This technique removes some of the uncertainty of craniofacial surgery." Marsh added. "The more information the surgeon has before entering the operating room, the better the result for the patient."

According to Vannier, who was a NASA engineer before becoming a radiologist, it is impossible for someone reviewing only standard CAT scans to predict or conceptualize before surgery the detail of a 3-D skeletal anomaly. Each scan represents only a thin slice of the skull. A complete CAT scan study of the face may include more than 60 of these slices. Like all the king's horses and all the king's men in the Humpty Dumpty nursery rhyme, physicians couldn't fit all the pieces together.

"But the 3-D surface reconstruction methods we have developed do put the images back together again," Vannier added. Continued on p. 2

Personal Computing Support Center offers guidance, solutions, discounts

A Personal Computing Support Center (PCSC) is now in operation in room 6, Cupples Hall I, to provide a variety of services for those members of the WU community who operate IBM personal computers, Thomas L. Bugnitz, assistant director of Computing Facilities, has announced.

According to Bugnitz, range from providing advice about existing hardware and new software products, to coordinating maintenance of PCs (personal computers) on campus. The center’s over-all purpose is to provide help and assistance to current PC users, as well as those who contemplate buying such hardware," he added.

Initially, the Center will concentrate on serving IBM personal computer users, but within a short time, Bugnitz explained, it will also be able to handle inquiries from Apple and Digital Equipment Corporation (DEC) PC operators. Because few PC users have time to leaf through the three principal magazines that survey the tiny-great world of the computer, the center will assign key staff to thumb through these periodicals (Byte, PC, and Personal Computing) to keep pace with developments surfacing almost every week. It will also help distinguish between the basic purposes of this trio. Byte (chymes with byte), takes it name from computer jargon, according to Bugnitz. "A bit in computer terminology is the smallest piece of a computer. Eight bits make a byte, which is why the publisher picked it for the title of his magazine." Bugnitz said Byte has general appeal; PC is oriented towards users of IBM personal computers; while Personal Computing is much broader in scope."

When an IBM PC breaks down, Bugnitz said the user can obtain a replacement at the center, which will ship the defective part off for repair. This assistance is made available through IBM servicing contracts negotiated by the new center.

PCSC will also strive to bring the users of various types of personal computers together in separate groups—IBM, Apple and DEC aggregations for exchange of ideas and discussion. In addition, PCSC will initiate a newsletter to inform users of the most recent innovations and to alert them to position papers about the burgeoning computer scene, Bugnitz said.

"Another goal," he said, "will be to support Missouri’s Computer Facility Commission (CFC), comprising 17 post-secondary educational institutions that have an interest in computers." Robert J. Benson, associate vice chancellor and director of WU’s Computing Facilities, is chairman of this group, which can purchase IBM, Apple and DEC computers for institutional use at discounts ranging from 20 to 30 percent.

As part of PCSC’s marketing and sales effort, Bugnitz explained, WU departmental managers may take advantage of such discounts when purchasing IBM, Apple, and DEC personal computers. PCSC will also be able to offer a discount to members of the WU community contemplating buying a personal computer for home use, but only on the IBM brand at the present time. Discounted PCs purchased via home use vary in price from $2500 to $3500.

Any bookkeeping, follow-up or other administrative details involved in such purchase of a personal computer will be handled by PCSC. The new center, administered by Bugnitz, will be staffed by three students, Cathy Branyan, Eric Meulhiek and Bruce McDuffie. In addition, two regular members of Computing Facilities, Steve Mart and Audrey Whittenberg, both assistant managers of user services, will support the center.

PCSC operating hours are 8:30 a.m. to 5 p.m. Its extension is 6061.

School of Law will cosponsor regional mock trial competition

The WU School of Law will cosponsor the Midwest Regional Mock Trial Competition Feb. 11-13 at the St. Louis County Courthouse in Clayton. It is the first national trial advocacy competition the law school has sponsored.

The competition, organized by the American Bar Association’s Young Lawyers Division, attracts law school students from Iowa, Missouri, Nebraska, Kansas and North and South Dakota. This year, eight law schools from the Midwest are expected to participate. The two winning teams from the regional competition will compete in the national rounds in Houston, Texas, later this spring. WU teams have advanced to the national competition for the last two years.

Representing WU’s School of Law this year are Cathy R. Gilbert and David C. Mason on one team, and Richard M. Miller, Scott D. Cooper and Brent J. James on the second team.

"For the students who are competing, it’s a challenge to match advocacy skills with top-notch opponents," said Ronald L. Carlson, professor of law and coach for the WU mock trial team. “It’s a good opportunity for all our students to see, study and emulate the top young advocates from across the country.”

This year’s competition will be continued on p. 3
Face craft — continued from p. 1

Vannier, Marsh and Warren are currently seeking to expand the capabilities of the imaging program. Vannier has already adapted the program to provide a "travel-through view" of the skull. By replaying in quick succession the CAT scan slides that are reconstructed into a 3-D image, he can create a motion picture that gives the impression that the viewer is traveling through the patient's skull, observing the interior contour differences.

Two additional techniques await testing. In one, the researchers plan to create a 3-D video image that will include the skin as well as the bone. In the other, the scientists will use the McDonnell Douglas tie-in between computerized design and computerized manufacturing to create a solid life-size duplicate of a patient's skull.

Vannier and Warren say that other challenges are on the horizon as well, including trying to color-enhance the 3-D images and trying to show how surgical manipulation will affect a patient's capacity for movement or facial expression.

"There's more in the future than we can imagine," Vannier said. "For the time being it's enough just to note that the functions we have developed are effective tools that can be used in any hospital that currently has a modern CAT scanner."

Computer Aided Surgery Project.

Jeffrey L. Marsh, associate professor of surgery, studies a CAT scan image of a young patient's disfigured skull. When the tumor was removed, a prosthesis was designed from the 3-D image of a brain tumor that invaded the right-side of a patient's skull, observing the interior contour differences.

Douglas Automation Company's Health graphics program, the WU researchers have applied some of their experience as a former NASA engineer to the Mallinckrodt Institute of Radiology's craniofacial imaging project.

Michael W. Vannier, assistant professor of radiology, has applied some of his experience as a former NASA engineer to the Mallinckrodt Institute of Radiology's craniofacial imaging project.

WU business students to compete in undergraduate McIntrine contest

For the first time, a team from the WU School of Business and Public Administration will compete in the annual McIntrine Commerce Invitational, a national undergraduate business competition.

The team includes Steven Baker, Ilene Melvin, Paul Laatu, Stephen Miller and Mark Ventling. Powell Niland, professor of management, is the faculty advisor for the team.

On Feb. 17, the team will fly to the University of Virginia, where the contest originated in 1980. There, the WU students will compete with teams from four other schools: University of Southern California, University of Michigan, University of Texas and Pennsylvania State University.

During the three-day event, the students will be presented with a case or a major problem involving a particular company. Through written reports and oral presentations, they will analyze the company's operations and make recommendations for improvement. The team's work will be judged by a board of nationally recognized financial experts and administrators, and awards will be presented on the final day.

The invitational, sponsored by the General Electric Foundation, is the only undergraduate business case competition in the nation.

Former WU students' film included in series

Tell Me A Riddle, a full-length feature film produced by WU alumna Mindy Affrime (BA '76) and former fine arts student Rachel Lyon, directed by Lee Grant and starring, among others, the late Melvin Douglas, is one of the 19 films being shown this semester during the Women's Film Series. Sponsored by the Women's Programming Board, most films will begin at 7 p.m., on Wednesday evenings, now until the end of April, in the Gargoyle. Admission is free.

Tell Me A Riddle, based on a story by author Tillie Olsen, chronicles the struggles of a family grappling with aging, death and family relationships. This film will be shown April 6.

The making of artist Judy Chicago's controversial environmental sculpture, The Dinner Party, is related in the film Right Out of History April 27. This mixed-media piece contains the art and craft contributions of many women artists, and the film documents the process by which this community of artists sought to bring their disparate creations together. Woman Is, a film showing a collection of drawings, paintings and photographs by women, will also be shown that night.

Other films, some feature length, others shorter, are concerned with women who have had historically significant lives, the sometimes oppressive treatment of women in various occupations and social situations, and personal issues, such as men's self-image, relationships and emerging recognition of homosexuality and lesbianism.

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Campus Notes

G. Lee Judy, executive director of the Child Guidance Clinic at the School of Medicine, has been elected vice president of the St. Louis chapter of the National Society for Fund Raising Executives. The chapter’s 115 members are fund raisers in area colleges and universities, hospitals and health-care organizations, and civic groups.

David T. Konig, associate professor of history, recently was elected to a three-year term on the board of directors of the American Society for Legal History. This society is composed of law and history professors whose scholarly field is the history of law.

Robert H. Lewis, a graduate student in electrical engineering and earth and planetary sciences, recently presented a paper, “The Development of a Computer-Controlled Camera System for Archiving Image Data,” at the American Institute of Aeronautics and Astronautics (AIAA) annual aerospace sciences meeting in Reno, Nev. He won first place last spring in the AIAA Region 5 graduate student paper contest and represented the region at the national student conference held during the aerospace sciences meeting.

Richard Popkin, professor of philosophy, recently returned to campus after nearly two years spent lecturing, teaching, and doing research in Israel and several European countries. Last year he served as a Fellow at the Huntington Library in Pasadena, Calif., a visiting professor at Emory University, and a research fellow at the Folger Shakespeare Library in Washington, D.C. Most recently, he conducted a lecture series at the University of California-Los Angeles on “Millenarianism and Materialism in 17th- and 18th-century England.”

During the course of his research, Popkin discovered an unknown work by Spinoza, which he is now translating. He also is preparing a paper on Spinoza’s connection with millenarianism in England and Holland. In addition, Popkin is organizing several theological works of Sir Isaac Newton.

Popkin is planning to teach two courses at WU next fall: one on the ideas of Spinoza and another on the philosophy of religion. After this brief reappearance at WU, he will present a lecture series on the history of ideas in Tel Aviv and participate in a “History of Skepticism” conference in Germany in February 1984, which he is organizing.

A year’s sabbatical from fall 1981 to summer 1982 has resulted in a variety of scholarly and organizational accomplishments for Morton E. Smith, professor of philosophy and anthropology at the School of Medicine, recently appointed associate secretary for education of the American Academy of Ophthalmology.

Sidra Stich, assistant professor of art and archaeology, will deliver a paper at the annual College Art Association conference to be held in Philadelphia Feb. 17-19. In her talk, “Picasso’s Art and Politics in 1936,” she will discuss Picasso’s association with the left-wing artists during the period of Popular Front power in France. Her sympathy with the Communists Party in June 1936, documented by a previously unpublished drawing, will shed new light on his politicization prior to Guernica (1937).

Martha Storandt, professor of psychology, was elected to the Publications and Communications Board of the American Psychological Association. The board oversees the publication of the association’s 19 journals, its extensive separate publication programs, and its computerized information retrieval program.

KMox newscaster Hunter joins U. College faculty in communications

Julius Hunter, Emmy award-winning St. Louis broadcast newscaster of KMox-TV, has been appointed WU adjunct professor of communications and journalism, according to Robert C. Williams, dean of University College. Hunter is currently teaching an advanced communications internship on broadcasting and television communications for University College, with the cooperation of KMox-TV and its studio.

Hunter has been a television newscaster in St. Louis since 1976. He is the author of Absurd Alphabettime Stories (1976); Broadcast News; The In-side Out (1980); and Kingsbury Place, The First 200 Years (1982). In 1981 Hunter received the Missouri Honor Medal for Distinguished Service in Journalism, awarded by the University of Missouri School of Journalism. Before joining KMox-TV in 1974, Hunter was a news reporter, weekend anchorperson, and weekday news director for KSDK-TV (now KSDK). A St. Louis native, he has taught courses in broadcast journalism at Maryville College and St. Louis University.

Moot court—continued from p. 1

jointly hosted by the WU School of Law and the St. Louis law firm of Greensfelder, Hemker, Wiese, Gale and Chapelow. David M. Harris, an attorney with the firm and a 1980 WU School of Law alumnus, and Edward Luehrkeld, WU professor of law, will direct the competition.

Two preliminary rounds, a quarterfinal, semi-final, and a final round will constitute this competition. Each round will be graded by a different team of judges. Sixteen teams, two from each law school, will try a hypothetical case by arguing for the defense or prosecution in the first preliminary round and then switching roles and arguing for the opposite side of the case in the second preliminary round. The eight teams with the highest scores in the preliminaries will then enter the elimination rounds, competing until only two teams remain.

Stargazers welcome

The WU Observatory, located atop Crow Hall, is open to the public free of charge on all clear nights, Tuesday-Friday, from 7 to 10 p.m. The historic 1859 telescope can discern various star clusters and nebulae, as well as a galaxy in the constellation Andromeda more than two million light-years away. For more information, call 889-OBSV during the evening.

This right-foot tail, crimson, welded steel sculpture, titled “Bork,” was recently installed on the south lawn of Brels Hall. Sculpted by Sophia of Chesterfield, Mo., whose partners are Saunders Schultz (BFA ’56) and William Conrad Severn, this work is on extended loan to the School of Fine Arts. Its Norwegian name means “bark,” depicting shagbark hickory. It is the first of a limited edition of 10.

Murray L. Weidenbaum, Edward Mallinckrodt Distinguished University Professor and director of the Center for the Study of American Business, speaks on “Economic Prohibits and Peace in the 1980s” at the Assembly Series Wednesday lecture Feb. 16, at 11 a.m. in Graham Chapel.

A computerized information retrieval program.
Lectures

Thursday, Feb. 10
11:00 a.m. George Warren Brown School of Social Work Lecture, "Progress of the Center for Adolescent Mental Health at WU," Ronald A. Feldman, WU prof. of social work and dir., Center for Adolescent Mental Health, and Afleene Siffman, WU prof. of social work and serv, Center for Adolescent Mental Health. Brown Hall Lounge.

Friday, Feb. 11
2:30 p.m. Department of Art and Archaeology Lecture, "The Antiquity of Signet-Rings and Rosette Seals," Shingo Kusumoto, WU prof. of genetics and psychology. 105 Lopata.

Saturday, Feb. 12

Monday, Feb. 14
2 p.m. Department of Chemical Engineering Seminar, "Chemistry: Detection of Scattered Light from Submicron Particles," Don Pettit, Dept. of Chemistry, U. of Ariz. 100 Capples il.
3:30 p.m. School of Architecture Lecture, "Some Historical Cemeteries — Or, Oh! My Stars!" Peter Prangell, prof. of architecture, U. of Toronto. Steinberg Aud.

Wednesday, Feb. 16
8:30 p.m. Exhibit: "Orphrus," an oil painting by Gustavo Moreau, is included in the "Nature and the Figure" exhibition currently on display in the Lower Gallery of the Gallery of Art, Steinberg Hall.

Friday, Feb. 18

Performing Arts

Thursday, Feb. 10
8 p.m. Anne Theatre Company and Hilbert Foundation present two one-act plays: "Who Am I This Time?" by Kurt Vonnegut Jr. and "The Law of Don Perlimgam," by Garcia Lorca. Hilbert House, 6300 Forsyth Blvd. (Also Feb. 12, 13 and 14, same time, Hilbert House.) Gen. admission $4; students and senior citizens, $3. For more information, call 726-6177.

Films

Thursday, Feb. 10
7:30 and 9:30 p.m. WU Filmboard Series, "The Man in the White Suit." $2. Brown Hall Aud.

Friday, Feb. 11
7 and 9:45 p.m. WU Filmboard Series, "Excalibur." $2. Brown Hall Aud. (Also Sat., Feb. 12, same time, Brown.)
12:30 a.m. WU Filmboard Series, "Money Pitson and the Holy God." $1. Brown Hall Aud. (Also Sat., Feb. 12, same time, Brown.)

Sunday, Feb. 13
8 p.m. Nuclear Challenge Film Series, "Dr. Strangelove." Free. 215 Resnick.

Monday, Feb. 14
7:30 p.m. and 9:30 p.m. WU Filmboard Series, "Silent Running." $2. Brown Hall Aud.

Tuesday, Feb. 15

Wednesday, Feb. 16
7 and 9:15 p.m. WU Filmboard Series, "The Chariot of Jenny Blacksmith." $2. Brown Hall Aud. (Also Thur., Feb. 17, same time, Brown.)

Friday, Feb. 18
7 and 9:30 p.m. WU Filmboard Series, "Diner." $2. Brown Hall Aud. (Also Sat., Feb. 19, and Sun., Feb. 20, same time, Brown.)

Sports

Friday, Feb. 11
7:30 p.m. Men's Basketball, WU vs. Washington College. Gen. admission $2; area students $1; WU students free. Francis Gym.

Saturday, Feb. 12
1 p.m. Men's Basketball, WU vs. Principia College and MacMurray College. Wilson Pool.
7:30 p.m. Men's Basketball, WU vs. Drake U. Gen. admission $2; area students $1; WU students free. Francis Gym.

Saturday, Feb. 19
8:30 p.m. Women's Swimming, WU vs. Southeast Baptist U. Francis Gym.

Calendar Deadline

The deadline to submit items for the Feb. 24-March 5 calendar of the WV Record is Feb. 10. Items must be typed and include name and telephone number. Address items to King McElroy, calendar editor, Box 1142.