W.U. RECORD

WU Bowl Team May Head for Radio Finals

"Saturday Night Live" in the drama studio of Mallinckrodt Center last weekend was a real cliff-hanger for the four valiant warriors who did battle for WU in the College Bowl. Tension was the name of the game as WU's team of four juniors, Vic Chandhok, Captain Mitch Goldman, Craig Left and Kurt Wollenberg, watched Notre Dame edge out San Francisco State for a second straight victory and then prepared to match wits with the Fighting Irish themselves.

Slowly and deliberately, they took their seats on the platform, conscious of the fact that the Notre Dame team, flushed with success, had the momentum going for them. All the quiz whizzes from South Bend, Ind., needed was one more victory to attain the magic number of three which would earn them entry in the CBS radio finals just over the horizon.

In previous play at other schools, four teams—Emory University, Massachusetts Institute of Technology (MIT), the University of Iowa and the University of N. Carolina had each won a triple crown and a trip to the finals. Now, Notre Dame was well on the way to achieving this coveted goal on WU's turf.

The night before, Notre Dame had blitzed the Purdue Boilermakers as the Irish's star Ed Bylina, dressed in sartorial splendor complete with vest and tie, spat out the answers with such alacrity that a Post-Dispatch reporter was moved to describe him as "a human computer.

Not that the WU team was unprepared. Veteran competitors (they reached the nationals last year and eliminated all opposition this year in earlier bouts at WU), the quartet from this University had done their homework. They had studied stacks of almanacs and fact books, and put in hours of practice with Coach Barry Bergy. In addition, several of them wore the T-shirts which they were convinced had helped them triumph previously.

The bells clanged, the buzzers buzzed, and the game continued on p. 2

Impact of “New Science” on Literature Examined in Rare Book Exhibit

In 1672, 12 years after its founding, the Royal Society, Britain's first scientific organization, elected to its fellowship the 29-year-old Isaac Newton. Newton's calculations on the gravitational nature of the motion of physical bodies and of planetary orbits drastically altered humankind's notions of the universe, and toppled once and for all the Ptolemaic cosmology which had reigned for nearly a thousand years.

Three centuries later, in 1974, the Society admitted another young observer of the heavens. Stephen Hawking was elected to the venerable group (at the age of 32, he was at the time the Society's youngest Fellow) because of his study of the mysterious black holes of space. His work may provide a link between the theory of general relativity of Einstein (named a Society Fellow in 1921), and quantum mechanics, much as Einstein linked Newton's mechanistic notions of the motion of bodies to electromagnetic theory.

The Society's founders' belief in and encouragement of experimentation and the inductive method not only spawned over three centuries of inquiry into astronomy, physics, mathematics, biology, medicine and geographical exploration. Their contributions also piqued the imaginations of poets, essayists, satirists and visionaries and, in contemporary times, movie scriptwriters. The themes of the "new science" and its influence on literature are illustrated in an exhibit of rare books currently on display in the Department of Rare Books and Special Collections on the fifth floor of Olin Library. Viewing hours for "The Knowledge of Natural Things" are 8:30 a.m. to 5 p.m., weekdays, through April 11.

In 1660, Robert Boyle, the Right Rev. John Wilkins (the Society's first chairman), Robert Hooke and others, after hearing a talk by architect Christopher Wren, decided to start a "Colledge for the promoting of Physico-Mathematicall Experimentall Learning." King Charles II gave his approval to the group in 1661, and the following year, the Society was incorporated under its present name, The Royal Society of London for Improving Natural Knowledge. The first volume of the Society's journal, Philosophical Transactions, appeared in March 1664.

Selections from the collection's series of the Transactions, complete through 1780 (subsequent volumes of Transactions and the complete set of Proceedings of the Royal Society are housed in other library collections on campus), are on display. Highlighted in the exhibit is correspondence (1752) regarding continued on p. 2
The score, with only seven competitors’ heads. Notre Dame lost no time in taking the lead, and at half time was out in front by a wide margin.

The final score was 195 for WU; 125 out in front, and Notre Dame the brilliant Bylina could not bounce the questions off the (the woman on the team had eaten students.

And then WU rallied. Even the brilliant Bylina could not stop them. The WU score rose rapidly. WU was now out in front, and Notre Dame never recovered. The final score was 195 for WU; 125 for Father Hesburgh’s hapless crew.

Comeback Kids

Bergey called the WU team’s achievement “a phenomenal comeback.” Notre Dame called it quits, and WU prepared to meet its next competitor, Georgia Tech. The Ramblin’ Wrecks from Georgia Tech lived up to their names, and were soundly trounced by WU. The final score for the team from President Carter’s favorite state was 205 compared with WU’s 305.

Now, WU needed only to win a third straight game and it would be off and flying to the CBS finals. The WU team’s opposition was the University of Chicago, complete with two graduate students.

The odd lot from the Windy City wore strange head gear (the woman on the team had on what looked like a homemade gold helmet) and each Chicago competitor cuddled a teddy bear as a talisman. The WU warriors refused to be intimidated by the Chicago team’s odd outfits and took an early lead. At half time, WU was ahead by 70 points. That comfortable margin was quickly wiped out in the second half, however, as Chicago came from behind, and stayed out in front. The final score was Chicago, 225 and WU, 175.

For WU, however, all is not lost. According to College Bowl rules, eight teams must qualify for the CBS finals (the date is yet to be announced). Since only four teams won three victories each, four more must be selected from among those teams with superior records that each won two games apiece.

As the WU Record went to press, Richard Reid, president of College Bowl, said the WU team will probably compete in the CBS national finals. His father, College Bowl founder Don Reid, summed it up: “You have a great team.”

Meanwhile, WU will play in a regional meet at Columbia, Mo., Feb. 7 to 9. If they triumph there, the WU team would qualify for still another national tournament. In time, the winner of the CBS finals and the winner of the regional finals will match wits.

Richard Reid (left), College Bowl president, presents WU coach Barry Bergey with plaques honoring Bergey and the University for their contributions to an exciting weekend of College Bowl activities. (Photo by Peter H. Zimmerman)

FACULTY NOTES

Donald L. Snyder, WU professor of electrical engineering and chairman of the department, has been elected first vice president of the Information Theory Group of the Institute of Electrical and Electronics Engineers (IEEE) for a one-year term beginning in January. Snyder also has accepted an offer to serve as a division representative to the IEEE Publications Board for a two-year term.

Marcel W. Muller, WU professor of electrical engineering, has been elected a Fellow of the Institute of Electrical and Electronics Engineers, the highest grade of membership. Muller was cited for his development of micromagnetic theory and its applications to magnetic materials, and for contributions to noise theory of lasers and masers.

John L. Grigsby, WU professor of French, has been elected president of the North American Branch of the International Arthurian Society, and to the Modern Language Association Delegate Assembly as a representative for the Central and Rocky Mountain Region. The Arthurian Society, founded in 1948, is a group of about 1,000 scholars who study the legends of King Arthur.

Erna R. Eisendrath, WU associate professor emeritus of biology, was among 10 women honored recently as a Globe-Democrat newspaper 1979 Woman of Achievement. Eisendrath was cited as a natural historian who has made outstanding contributions to the greater St. Louis community. Although officially retired from WU, she continues to teach part time.

Books—continued from p. 1

Benjamin Franklin’s experiments with electricity and Newton’s report of his “New Theory of Light and Colors” (1671). The Society’s founders often published outside of Transactions and several such volumes by Wren, Wilkins and Hooke are on view. A revealing account of 17th-century life may be found in the diary of Samuel Pepys, a fellow of the Society and its president in 1687.

Influenced perhaps by the inquisitive nature of the “new science,” Denis Diderot published in 1751 the first volume of his Encyclopédie, ou Dictionnaire Raisonné des Sciences, des Arts et des Métiers, a compilation of scientific, artistic and intellectual writing of his time. A volume from the collection’s historically valuable first edition of Diderot’s encyclopedia is included in the exhibit.

Writers and poets acknowledged the new science, sometimes with satire, but often with wonder. As shown in an early edition of Lyrical Poems, the poet Tennyson remarkably anticipated space travel, in “Locksley Hall,” originally published in 1842: “... For I dipt into the future... Saw the heavens fill with commerce, argosies of magic sails, Pilots of the purple twilight, dropping down with costly bales...” Other authors represented in the exhibit are Wordsworth, Twain, Defoe and Shelley.

A portion of the exhibit is devoted to scientific papers by Missourians, including those by John Sappington, Albrecht Dahl Koch and William Chauvenet. WU chancellor from 1862 to 1869.

Benjamin Franklin's experiments with electricity and Newton's report of his "New Theory of Light and Colors" (1671).

The Society’s founders often published outside of Transactions and several such volumes by Wren, Wilkins and Hooke are on view. A revealing account of 17th-century life may be found in the diary of Samuel Pepys, a fellow of the Society and its president in 1687.

Influenced perhaps by the inquisitive nature of the "new science," Denis Diderot published in 1751 the first volume of his Encyclopédie, ou Dictionnaire Raisonné des Sciences, des Arts et des Métiers, a compilation of scientific, artistic and intellectual writing of his time. A volume from the collection's historically valuable first edition of Diderot's encyclopedia is included in the exhibit.

Writers and poets acknowledged the new science, sometimes with satire, but often with wonder. As shown in an early edition of Lyrical Poems, the poet Tennyson remarkably anticipated space travel, in "Locksley Hall," originally published in 1842: "... For I dipt into the future... Saw the heavens fill with commerce, argosies of magic sails, Pilots of the purple twilight, dropping down with costly bales; ..." Other authors represented in the exhibit are Wordsworth, Twain, Defoe and Shelley.

A portion of the exhibit is devoted to scientific papers by Missourians, including those by John Sappington, Albrecht Dahl Koch and William Chauvenet. WU chancellor from 1862 to 1869.

Benjamin Franklin's experiments with electricity and Newton's report of his "New Theory of Light and Colors" (1671).

The Society's founders often published outside of Transactions and several such volumes by Wren, Wilkins and Hooke are on view. A revealing account of 17th-century life may be found in the diary of Samuel Pepys, a fellow of the Society and its president in 1687.

Influenced perhaps by the inquisitive nature of the "new science," Denis Diderot published in 1751 the first volume of his Encyclopédie, ou Dictionnaire Raisonné des Sciences, des Arts et des Métiers, a compilation of scientific, artistic and intellectual writing of his time. A volume from the collection's historically valuable first edition of Diderot's encyclopedia is included in the exhibit.

Writers and poets acknowledged the new science, sometimes with satire, but often with wonder. As shown in an early edition of Lyrical Poems, the poet Tennyson remarkably anticipated space travel, in "Locksley Hall," originally published in 1842: "... For I dipt into the future... Saw the heavens fill with commerce, argosies of magic sails, Pilots of the purple twilight, dropping down with costly bales; ..." Other authors represented in the exhibit are Wordsworth, Twain, Defoe and Shelley.

A portion of the exhibit is devoted to scientific papers by Missourians, including those by John Sappington, Albrecht Dahl Koch and William Chauvenet. WU chancellor from 1862 to 1869.
Student’s Design Scores “TD” In Pro Bowl

Paula Boyell, a senior in the WU School of Fine Arts, is pretty enough to be a cover girl, but it will be her original design which will grace the cover of the 50,000 programs sold at the Pro Bowl game in Honolulu on Sunday.

A 21-year-old graphic communications major from Glencoe, Ill., Boyell has never been exactly “bowed over” by football. In fact, she had never even seen a professional football game until recently. Nonetheless, Boyell dreamed up a design which zapped the opposition with its zingy pizzazz.

Unusual Project

Bovell is the first student to create a cover for a big-time bowl game, an accomplishment which is comparable to a rookie’s becoming a star quarterback in his very first game on the professional grid-iron circuit. Boyell’s feat, however, was no fluke. She’s an excellent student with savvy and imagination.

Bovell became “nigskin” conscious last fall when the graphic communications students in a class taught by Gene R. Hoefel, WU assist-

ant professor of art, were assigned the project of designing a “package” for the Pro Bowl game. Each student was asked to produce not only a cover, but other matching items including a T-shirt, a TV commercial and a ticket for the Pro Bowl game.

The idea for this unusual class project evolved out of a huddle of WU art school faculty including Hoefel; Richard H. Brunell, chair-

man of design; Robert C. Smith, professor of art; and Herb Weitman, WU adjunct professor of photography. They met with David Boss, vice president of the National Football League Properties, Inc., who is in charge of its Creative Services Division in Los Angeles and who was a WU visiting professor in the School of Fine Arts last semester.

Hoefel laid down the ground rules, and the students were off and running in the class competition. For Boyell this new assignment meant watching pro football on TV for the first time—something on which she is now hooked. Opting to use photography as the medium, she put two football helmets from the NFC and the AFC together with 70 dollars worth of orchids from a local florist, as props. The exotic flowers were fashioned into traditional Hawaiian leis.

Quality Thinking

It was an uncomplicated design, but it was not easy to execute. Nor was it the only smashing entry in the class competition, as Boss discovered when he arrived in town in early December to do the “final crit,” graphic communications shorthand for “critique.” “I was truly impressed by the quality of thinking that went into (Boyell’s) work, as well as the execution,” he said.

“There were,” he added, “at least three concepts that worked successfully and could have been used as a cover. I chose yours,” he told Boyell, “because of the direct simplicity of it. It is a very strong graphic presentation.”

Exciting News

For Boyell and the School of Fine Arts itself, Boss’s decision was electrifying news, for Boss had made clear that he would choose a cover from the class project for the Pro Bowl only if it were of the highest professional quality.

Her winning Pro Bowl cover has led to some interviews which may materialize into the job of her dreams, but right now she is waiting impatiently for the finished Pro Bowl covers to arrive in St. Louis. And come Sunday, she’ll be tuned in on the Pro Bowl game itself, although the intricacies of football still baffle her. “I suppose I’ll root for Ottis Anderson (of the football Cardinals),” she explained candidly, “because Herb (Weitman, her photography teacher) likes him so much.”

But for Boyell and her family, the real star of the game will be her cover with which she scored the equivalent of a touchdown on her very first try as a designer for the NFL.

—Dorothy A. Brockhoff

Professor Studies Ties Between Oil and Foreign Aid

Victor T. Le Vine, WU professor of political science, has worked in two areas of research—Africa and the Middle East.

He began with Africa and then extended his interest to the Middle East. His new book, “The Arab-African Connection: Political and Economic Realities” (1979, Westview Press, Boulder, Colo.) written with Tim Luke, a doctoral candidate in political science at WU, is about both areas.

The WU Record is published weekly during the academic year by the Information Office. Editor: Ruth E. Thaler; calendar editor: Charlotte Boman. Address all communications to Box 1142.

The basic thesis of the book is that because of their new wealth, oil-producing Arab states have become members of the capitalist world and, as a consequence, have treated their former allies in the poor “Third World” badly. The new study looks at the relationship between the Arab and African states, focussing on the 1967 to 1978 period.

During the 1973 to 1974 oil crisis, the Arabs “brandished the oil weapon” at the Africans and the Africans rushed to cut ties with Israel and embrace the Arabs’ position on Middle-East issues, Le Vine said. “Part of the inducements were implied and overt promises that African states would not be disadvantaged by the 400 per cent increase in oil prices. By the summer of 1974, a new alliance between Africa and the Arabs had been forged.”

Arab aid to Africa seldom amounted to what was committed; most of the Arabs’ assistance went to poorer Arab countries and to less developed countries with Moslem majorities, Le Vine said.

The aid which did reach the African countries covered less than 30 per cent of the additional amounts the Africans had to pay for oil after 1973. “In all, the poorer countries, many of which are in Africa, discovered that they had been harder hit by the high price of oil than the rich countries.”

The Arab-African alliance is now on a most tenuous basis, Le Vine said.

Le Vine said the book grew out of a paper he and Luke prepared for the Midwestern Political Science Association meeting in 1977. “We then obtained a research grant from the State Department to explore the topic and that completed study led to further research and finally to the book.”

—King McElroy

Victor T. LeVine
FRIDAY, JANUARY 25
3 p.m. Graduate Institute of Education Colloquium, "The School as Workplace." Arthur Wirth, WU prof. of education, Graduate Institute of Education, 217 McMillan.

SATURDAY, JANUARY 26
9 a.m. School of Medicine Department of Surgery Lecture, "Multiflora Inhibiting Substance as Possible Chemotherapeutics Agent." Patricia K. Donahoe, MD, Harvard Medical School and WU visiting professor of pediatric surgery. East Pavilion Aud., 1st fl., 4949 Barnes Hosp.


SUNDAY, JANUARY 27
12 noon. Tarbut: A Celebration of the Jewish Arts, Jewish Arts Expo '80, an afternoon-long festival featuring display and sale of Jewish art, music, crafts and food. Shir Ami, a local choral group, and the International Folk Dancers of University City will perform. Hillel House, 6300 Forsyth.

MONDAY, JANUARY 28
11 a.m. Department of Civil Engineering Seminar, "Computer-aided Design of Cable Reinforced Membrane Structures," Robert B. Haber, doctoral candidate, Cornell U., 100 Cupples II.

4 p.m. Department of Chemistry Seminar, "Picosecond Spectroscopic Studies of Excited State Proton Transfer Events," William M. Hetherington, prof. of chemistry, Columbia U. 311 McMillen Lab. Coffee will be served at 3:30 p.m. in 561 Louderman.

4:30 p.m. Department of Mathematics Colloquium, "Some Inequalities in Riemannian Geometry," Christopher Croke, instructor of mathematics, U. of Calif., Berkeley. 199 Cupples I. Tea will be served at 4 p.m. in 222 Cupples I.

TUESDAY, JANUARY 29
4 p.m. Department of Physics Colloquium, "Cosmology Probes Particle Physics," Gary Steigman, Baron Research Foundation, U. of Delaware. 201 Crow.

4 p.m. Phi Beta Kappa Discussion, "To Make the Balance," a film on Zapotec law produced by Laura Nader, prof. of anthropology, U. of Calif., Berkeley. Nader will also discuss the film. Mudd Courtoom.


WEDNESDAY, JANUARY 30


THURSDAY, JANUARY 31

4 p.m. Department of Chemistry Seminar, "Photoinduced Charge-transfer at the Semiconductor Electrolyte Interface," Andrew B. Bocarsly, prof. of chemistry, MIT, 311 McMillen Lab. Coffee will be served at 3:30 p.m. in 561 Louderman.

4:30 p.m. Department of Mathematics Colloquium, with Stephen S.-T. Yau, prof. of mathematics, Harvard U. 199 Cupples I. Tea will be served at 4 p.m. in 222 Cupples I.

THURSDAY, JANUARY 31
7:30 p.m. Gateway Brass Quintet Concert, featuring Robert Souza, trumpet; Randi L'Hommedieu, trumpet; Mike Quint, French horn; David Bruenger, trombone; and John MacEnulty, tuba, Steve McKersie, organ soloist. The program will include baroque works by Gabrieli, J. S. Bach, Scheidt and Pezel. Members of the quintet are also members of the St. Louis Symphony Orchestra or teachers in St. Louis. Graham Chapel.

FRIDAY, JANUARY 25
6 p.m. Wrestling, WU Invitational. WU Field House.

7 p.m. Women's Swimming, WU vs. Stephens College. Wilson Pool.

SATURDAY, JANUARY 26
9 a.m. Wrestling, WU Invitational. WU Field House.

TUESDAY, JANUARY 29
7:30 p.m. Women's Basketball, WU vs. Stephens College. WU Field House.

THURSDAY, JANUARY 31
7:30 p.m. Women's Basketball, WU vs. Central Methodist College. WU Field House.

MONDAY, JANUARY 28
7:15 and 9:45 p.m. Historical Cinema Series, "Cromwell." Brown. $1.25. (Also Tues., Jan. 29, same times, Brown.)

TUESDAY, JANUARY 29

WEDNESDAY, JANUARY 30
7:15 and 9:45 p.m. WU Filmboard Series, "L'Avventura." Brown. $1.75. (Also Thurs., Jan. 31, same times, Brown.)

WU Centennial Faculty Exhibition. Works by some 40 former faculty members are on display. WU Gallery of Art, Steinberg Hall, upper gallery. 9 a.m.-5 p.m., Mon.-Fri.; 1-5 p.m., Sat., Sun. Through Jan. 31.

Artwork For Sale
Oriental art works from the 18th, 19th and 20th centuries will be displayed and offered for sale from 10 a.m. to 5 p.m., Tuesday and Wednesday, Jan. 29 and 30, at the WU International House, 6470 Forsyth. Chinese woodcuts, Indian miniature paintings and manuscripts and master works, some 200 years old, will be featured in the exhibit as well as a large group of original woodcuts, etchings, and lithographs by renowned contemporary artists. Sale items are available at a wide range of prices. The exhibit was arranged by marson Ltd. of Baltimore, Md.

Dance After Dinner
The WU Woman's Club and Men's Faculty Club will sponsor jointly a dinner dance for all faculty and staff Saturday, Feb. 9, at the Whitemore House. The program will begin at 7 p.m. with a cash bar, followed by dinner and dancing to the music of the Kim Portnoy Trio. Reservations at $10 per person may be made before Feb. 3 by sending checks payable to the Woman's Club to Mrs. Debbie Gould, 45 Country Fair Lane, St. Louis, Mo., 63141, or by calling 997-0388 in the evenings.

Music
FRIDAY, JANUARY 25
8 p.m. Department of Music Vocal Recital, with performances by students of Nancy Revenz, WU instructor of music. Brown Hall Lounge.

TUESDAY, JANUARY 29
8 p.m. Gateway Brass Quintet Concert, featuring Robert Souza, trumpet; Randi L'Hommedieu, trumpet; Mike Quint, French horn; David Bruenger, trombone; and John MacEnulty, tuba, Steve McKersie, organ soloist. The program will include baroque works by Gabrieli, J. S. Bach, Scheidt and Pezel. Members of the quintet are also members of the St. Louis Symphony Orchestra or teachers in St. Louis. Graham Chapel.

Sports
FRIDAY, JANUARY 25
6 p.m. Wrestling, WU Invitational. WU Field House.

7 p.m. Women's Swimming, WU vs. Stephens College. Wilson Pool.

SATURDAY, JANUARY 26
9 a.m. Wrestling, WU Invitational. WU Field House.

TUESDAY, JANUARY 29
7:30 p.m. Women's Basketball, WU vs. Stephens College. WU Field House.

THURSDAY, JANUARY 31
7:30 p.m. Women's Basketball, WU vs. Central Methodist College. WU Field House.

Exhibitions
"The Knowledge of Natural Things." See story, page 1. Rare Books and Special Collections, fifth floor, Olin Library. 8:30 a.m. to 5 p.m., weekdays. Through April 11.

Grants Available
Grant applications are now being solicited by the WU Committee on Cancer Research for research proposed for the present year. A limited number of awards can be made up to $5,000 for basic or applied research related to cancer. The awards, which are funded by the American Cancer Society, are especially intended for junior faculty members or research fellows. Applications are reviewed locally and funding is prompt. For further information, contact Elmer B. Brown, MD, associate dean for continuing medical education, Campus Box 8063, WU School of Medicine, 454-3372.