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February 12, 1981

W.U. RECORD

WU Faces College Bowl Finals After Sweeping Regional Win

WU's College Bowl team rolled into Topeka, Kan., last weekend, crushed all the opposition it encountered and captured the Region Eleven Championship title for the fourth straight year.

The clean sweep came as no surprise. The WU players have never lost a game in regional competition.

Five of the seven-member WU team participated in the regional play. They were: Vic Chandhok, Sally Fleming, Mitch Goldman, Jeff Howe and Craig Leff. Kurt Woltenberg and Andy Zupan did not make the trip to Topeka because of previous commitments. Sally Murdaugh, coordinator of student activities, Office of Student Activities, is the coach of this year's WU College Bowl team.

At the Topeka meet, WU downed Central Missouri State University by a score of

335 to 70, beat Washburn University, the host team, by 385 to 150, slaughtered the University of Kansas by a top-heavy margin, 505 to 20, and then smashed the hopes of Wichita State in the final match, 310 to 180.

As victors of this regional meet, which pitted 10 teams against each other, WU returned with a silver bowl—an appropriate prize for the winners of the "varsity sport of the mind," College Bowl.

Having won the regional championship, the WU team earned the right to compete in the National College Bowl Tournament. Since the team had already qualified for the finals by winning three straight games at the CBS Radio Mini-Week Tournament in mid-January at Tallahassee, Fla., its bid to the finals as a regional winner

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Three graduate students in architecture and urban design recently presented a special report on the preservation of historic buildings in downtown St. Louis to the Downtown Planning Review Committee. With their model are (left to right) Yueng-Sheng Liew, Andres Roi, and Rod K. Henmi.

Urban Design Students Propose Priority List for Saving Landmarks

Some of the most trenchant observations about this country have been made by foreigners—Alexis de Tocqueville is, perhaps, the most celebrated of these commentators. It is fitting then that two of the three members of the graduate student team from the WU School of Architecture's Urban Design Studio which recently completed a comprehensive report on St. Louis' historic downtown buildings should have come from abroad.

They are Andres Roi, a Fulbright Scholar from Santiago, Chile, and Yueng-Sheng Liew of Singapore. Working with the only U.S.-born participant of this trio, Rod K. Henmi, whose forebears are Japanese, they have published a 154-page study, *Choosing a Past to Construct a Future*. In time, it may be considered as significant a landmark as some of the buildings which they meticulously surveyed.

Having labored last semester to produce this cogent compendium, the students, accompanied by Willem Davis Van Bakergem, director of the WU Urban Research and Design Center, recently presented their findings to Mayor James F. Conway's Downtown Planning Review Committee. Using a large scale model of their own design, the students summarized their conclusions in a round robin discourse before the committee headed by Charles P. Kindleberger.

The essence of their presentation is a proposal for selective preservation of historic St. Louis buildings. The team based its recommendations on an exhaustive inventory of some 65 buildings in the historic core of downtown St. Louis, bounded roughly by Delmar Boulevard and Market Street on the north and south, and by Fourth Street and Tucker Boulevard on the east and west. These buildings, they pointed out, are included

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Roadrunner Animator to Speak During Animation Art Festival

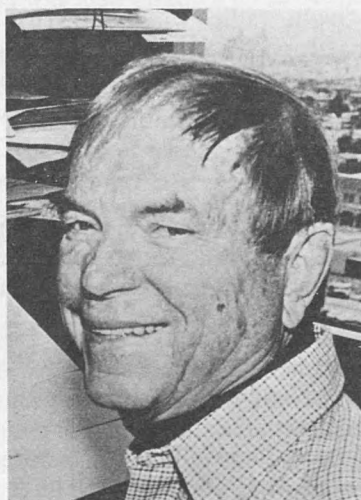
Animator Chuck Jones, creator of Roadrunner and other animated characters, will speak on "Animation" at 11 a.m. Wednesday, Feb. 18, Graham Chapel. The lecture, part of a two-week WU animation art festival, is sponsored by the WU Assembly Series, Filmboard and the Student Union Speakers Programming Board.

In addition to Jones' talk, the festival will include an exhibition and sale of original cel paintings and the showing of films.

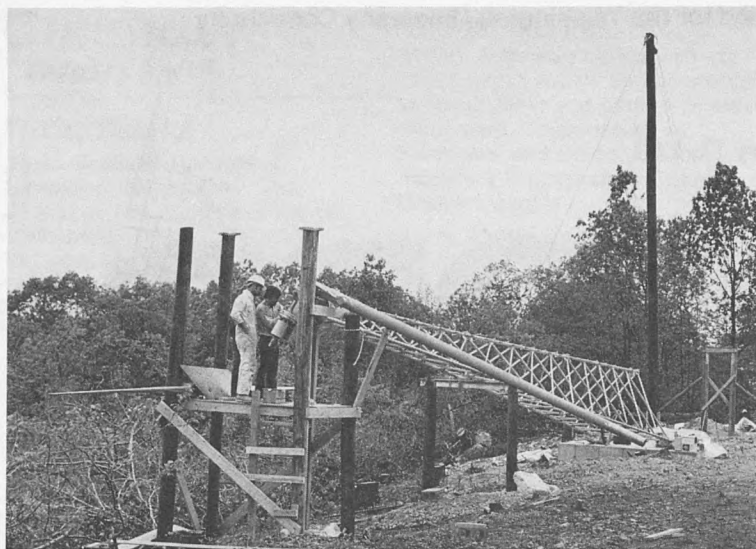
After spending several self-admittedly inauspicious years as a lowly cel-washer, Jones later created many well-known animated characters,

including Porky Pig, Daffy Duck, Roadrunner, and Pepe Le Pew and others, which

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Chuck Jones



WU engineers erecting the 60-foot wind tower at Tyson last May.

Aerospace Technology Suggests New Ideas for Wind Energy

For some, the best energy investment soon will be neither solar heating panels nor a new fuel-efficient automobile, but a windmill.

That's the opinion of Kurt H. Hohenemser, WU professor emeritus of aerospace engineering and the designer of a special wind machine now in the testing stage at WU's Tyson Research Center near Eureka, Mo. Hohenemser's wind machine is far from the old-fashioned, picturesque kind that once dotted the European rural landscape and provided power for grinding corn and pumping water. His is an experimental version of a wind turbine generator which averages three kilowatts and produces up to 10 kilowatts—enough electricity to supply two suburban homes or a small farm with power year round.

What makes the machine special are the blades. Made of fiberglass with a 25-foot diameter, the doubled-bladed rotor uses an aerodynamic concept that Hohenemser applied in a combination airplane-helicopter developed 25 years ago at McDonnell Aircraft Co. The basic concept concerns the way in which the blades are attached to the hub.

When ordinary rotors spin horizontally, a great deal of force is required to "furl" or turn the blades edgewise to the wind—a necessary precaution on extremely gusty days. As a result, the machine is subject to high stress loads (or gyroscopic motion). Hohenemser has eliminated this stress by attaching the rotor to the hub with a unique flexible connection that leaves the rotor free to pivot—similar to the way a spinning toy top wobbles at the point.

The machine also includes an aluminum and fiberglass tailboom and vane, and an unconventional, automatic furling mechanism. Since even a steady breeze shifts direction up to 20 degrees per second, these features allow the rotor to rapidly follow the wind direction as fast as it changes. "It's really quite impressive to watch," Hohenemser said.

In designing and evaluating the wind machine, Hohenemser worked with David A. Peters, WU professor of mechanical engineering, and a number of graduate students from that department, including Andrew Swift, Jr., whose significant contribution to the project will be the basis of his doctoral thesis. An important feature in the design is the 60-foot-high tilting tower, which can be raised and lowered to the ground by means of an electric winch and gin pole, a mechanism for lifting heavy weights. This factor, noted Hohenemser, makes the machine and its instruments easier to protect during lightning storms and quickly accessible for repairs.

The project is funded by the Department of Energy through the Solar Energy Research Institute of Golden, Colo. under a contract with WU Technology Associates. A report evaluating the first five months of operation of the wind machine has been

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in the proposed multiple resource nomination to the National Register of Historic Places prepared by the Landmarks Association of St. Louis in 1978.

Using methodology outlined in a comparable study entitled *Splendid Survivors, San Francisco's Downtown Architectural Heritage* (prepared by Charles Hall Page & Associates Inc. in 1979 for the Foundation for San Francisco's Architectural Heritage), the WU students evaluated the historic structures to identify those which should be preserved. In making this determination, the WU team considered four factors: architecture, history, environment and integrity. They also included "a sense of time, the associated past, and physical patterns" as vital criteria.

After weighing all these determinants, they chose 18 of the 65 structures as having the greatest historic value. Nine of these, they added, deserve highest priority in whatever preservation plan is ultimately adopted. They are: the Marquette Building, the Security Building, Union Market, the old Laclede Gas Building, the Arcade Building, the Chemical Building, 705 Olive Building, Mercantile Trust Building and the American Theatre.

In support of their rationale, the WU team stated: "We have an idealistic hope that selected preservation of historic structures and sensitive construction of new can somehow result in an improvement of our downtown environment—enrich rather than remove, enliven rather than degrade."

Recognizing that the funds available for public support of rehabilitation are limited, they maintained that city planners must adopt a comparable evaluation plan if they are to make the wisest policy decisions.

As a pragmatic way of implementing such a plan, the student urged "mothballing policies," which would enable the city "to seal hermetically the historic buildings of greatest priority until a developer interested in redevelopment could be found."

In defense of their conclusions, the WU team observed: "We see a downtown rich in its patterns, responsive to its users, and welcoming to its visitors. We see an enlivening and interesting mix of our historic structures and burgeoning new construction. We see a layering of time and a deep complexity of visual patterns. But then, we are only naive students . . ."

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went automatically to Wichita State, the runner-up at Topeka.

WU will be one of 24 teams competing at the National College Bowl Tournament in Charlotte, N.C., March 16-23. In this hotly contested battle of wits, eight radio winners will do battle with 15 regional winners and one wild-card team.

Last year, WU was narrowly defeated in the National College Bowl Tournament on this campus by California State University at Fresno, 255-185. It was a bitter loss for the WU team, which held a 140-95 lead at halftime, but stumbled over questions about the board game *Monopoly* and the island of Cyprus in the final moments.

submitted, and a study on the automatic control instruments is in progress. The next step should be the development of a prototype for commercial use, said Hohenemser.

Because Missouri typically receives only light breezes during the summer and winter months, he does not expect wind power to become a widely used resource here. "This region is not the greatest area for it," Hohenemser admitted. "But to the north and west, as well as many other places where there are high average winds, a good windmill that needs little maintenance will be about the best energy buy possible."

Faculty Notes

Noorallah V. Gillani, associate professor of mechanical engineering, and several WU engineering students will participate in a field project measuring the transport and transformation of emissions from the Kincaid power plant near Springfield, Ill. The two-week study, jointly sponsored by the Environmental Protection Agency and the Electric Power Research Institute, will be conducted this month. The WU group will perform rapid, on-site processing of data collected by aircraft. Gillani will serve as EPA's data manager for the project.

Paul M. Lützel, associate professor of German, will participate in a visiting faculty exchange between WU and Tübingen University, West Germany, this semester. Martin Bollacher from Tübingen will concurrently conduct courses here. Lützel will also lecture at universities in Heidelberg, Aachen, Bielefeld and Hanover, West Germany, and Copenhagen, Denmark. Lützel has also received an Alexander von Humboldt fellowship for the

academic year 1981-82, and he will remain in Germany to write a biography of the Austro-American author, Hermann Broch.

A. Peter Mutharika, professor of law, has been elected president of a new organization, the International Third World Legal Studies Association (INTWORLSA.)

Founded by a group of law-oriented scholars to promote the study of comparative law and social change in Africa, Asia, Latin America and the Caribbean area, INTWORLSA was organized at a recent meeting of the African Law Association in America. At this session, the latter group was dissolved.

Mutharika was instrumental in establishing INTWORLSA and read a report at its formative meeting.

Robert C. Watson, instructor of black studies, has been awarded a grant from the Missouri Committee for the Humanities, an arm of the National Endowment for the Humanities. The grant will enable him to hold a symposium on the black athlete next month in St. Louis.

Arpad I. Csapo, Renowned Researcher, Dies

Arpad I. Csapo, professor of obstetrics and gynecology at the WU School of Medicine, died suddenly of a heart attack on Sunday, Feb. 7. He was 63 years old.

Most of Csapo's research was concerned with understanding and preventing premature births. At the medical school, he developed the now widely accepted theory that the natural activator of the uterus, prostaglandin, and the blocking hormone, progesterone, have to be in a regulatory balance for a pregnancy to continue.

Csapo, a native of Szeged, Hungary, received his medical training at the University of Szeged and the Semmelweis Medical University in Budapest, Hungary. Subsequently, he was a Mannheimer Fellow at the University of Uppsala, Sweden, a staff member at the Carnegie Laboratory, and a faculty member at The Johns Hopkins Medical School and Rockefeller University. He joined the WU medical school faculty as a professor in 1963. He was also director of the Program for International Education in Gynecology and Obstetrics in St. Louis and trained 315 Fellows from 57 countries.

Csapo was a recipient of a National Institute of Health Career Award for life, and the De Snoo Foundation Award.

Csapo is survived by his wife, the former Elise Gramss, and three daughters, Ilona, Esther and Marika.

A memorial service will be held for Csapo on Sunday, Feb. 15, at 2 p.m. in Graham Chapel.

The **WU Record** is published weekly during the academic year by the Information Office. Editor: Charlotte Boman (Ext. 5251). Calendar Editor: Marcia Neuman (Ext. 5254). Address communications to Box 1142.

Spanish Thursdays

The Department of Romance Languages holds a "Spanish Lunch Table" every Thursday from 11:30 a.m. to 1 p.m. in Ridgley 217. Everyone is invited to bring their lunch and "charlar un rato."



In characteristic St. Louis fashion, the season's only substantial snowfall on Monday was followed the next day by fitful, intermittent drizzle and wet snow. Temperatures dropped to nearly 10 degrees below zero Tuesday night, turning a slushy Tuesday into a treacherous and bitterly cold Wednesday, endearing to only the Alaskans among us.

Variety of Vocations Represented at Career Fair

In past generations, little girls counted their buttons to discover the occupations of their future spouses. Those with zippered jump suits would get beggars and thieves, while those who had advanced to buttoned clothes would luck out with lawyers and Indian chiefs. That rather quaint old game has about seen its last days, not only because of its sex-role stereotyping, but because no one need rely upon chance, nor upon so few choices when selecting a career.

To illustrate that fact, the Career Planning and Placement Service and Student Educational Service will sponsor a "Careers in the 80s" workshop between 11:30 a.m. and 1:30 p.m. Feb. 17-19 on the lower level of Mallinckrodt Center.

More than 20 fields, ranging from publishing to engineering to insurance sales, will be represented by St. Louis-area professionals, who will describe what they do and how they got their jobs. Speakers are scheduled randomly so that a variety of occupations are represented at each session. A partial list of vocations represented follows; complete schedules are available at each sponsor's office in Umrath Hall.

Feb. 17, 11:30 a.m.-12:30 p.m.: publishing, public relations, journalism, insurance sales; 12:30-1:30 p.m.: health care administration, community services, architecture, law and graphic design.

Feb. 18, 11:30 a.m.-12:30 p.m.: employee development, education, law, urban planning, communications; 12:30-1:30 p.m.: advertising, editing, marketing, public policy administration, banking, television broadcasting and journalism.

Feb. 19, 11:30 a.m.-12:30 p.m.: community relations, urban planning, management, insurance sales, systems analysis, and civil service; 12:30-1:30 p.m.: journalism, health care administration, pharmacology, engineering and accounting.

Junior Faculty May Apply for Cancer Research Grants

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 up to \$5,000 can be made for basic or applied research related to cancer. The awards, funded by the American Cancer Society, are intended for junior faculty members or

research fellows who have no funds with which to carry out pilot studies. Applications are reviewed locally, and meritorious projects are funded promptly. For further information, contact Elmer Brown, Office of Continuing Medical Education, Box 8063, WU School of Medicine, or call 454-3372.

Calendar

February 13-19

Friday, Feb. 13

3 p.m. Graduate Institute of Education Colloquium, "The Effects of Teacher Evaluation on Motivation," Richard DeCharms, WU prof. of education, and Gary J. Natriello, WU asst. prof. of education. 217 McMillan.

3:30 p.m. Departments of Political Science and History Lecture, "Looking at the Portuguese Dictatorship's Secret Files," Douglas Wheeler, prof. of history, U. of N.H. 300 Eliot.

6 p.m. Society of Women Engineers Second Annual Professional Development Retreat. Mound Ridge Resort, St. James, Mo. Cost \$20 per person. Through Sunday, Feb. 15. For more information call Kathy Fleure, 863-2893.

Saturday, Feb. 14

9 a.m. Neural Sciences Program, "Peptides and Nociception," Harold Burton, WU assoc. prof. of neurobiology. 928 McDonnell Medical Sciences Bldg. 4570 McKinley.

Sunday, Feb. 15

7:30 p.m. International Folk Dancing Instruction, recreational dancing at 9 p.m. Beginners welcome; admission free. Umrath Lounge.

Monday, Feb. 16

12 noon. Division of Population Biology Program, "Population Genetic Perspectives on the Theory of Kin Selection," Marc Feldman, dept. of biology, Stanford U. 322 Rebstock.

4 p.m. Department of Genetics Lecture, "Production of Monoclonal Antibody Against an I Gene Product?" Donald B. Murphy, dept. of pathology, Yale U. 816 McDonnell Medical Sciences Bldg., 4570 McKinley.

4 p.m. Department of Biology Lecture, "Spatial and Temporal Changes in Early Amphibian Development," Marc Kirschner, dept. of biochemistry, U. of Calif. Medical School. 322 Rebstock.

8 p.m. Sigma Xi Lecture, "The Euler Characteristic for Applied Scientists," G. C. Rota, prof. of applied mathematics and philosophy, M.I.T. Steinberg Aud.

Tuesday, Feb. 17

12 noon. Biomedical Engineering Seminar, "Neuronal Oscillators," Paul S. G. Stein, WU assoc. prof. of biology. 405 Bryan.

4 p.m. Division of Cellular and Molecular Programs Lecture, "The Control of Yeast Mating-Type Loci," Kim Nasmyth, Cold Spring Harbor Laboratories. 322 Rebstock.

8 p.m. Center for Archeometry Sculpture Conservation Lab. Lecture, "Current Conservation Projects: William Penn and 'Liberty Enlightening the World,'" Phoebe Weil, WU research associate and conservator. 241 Compton.

Wednesday, Feb. 18

11 a.m. Assembly Series Lecture, "Animation," Chuck Jones, creator of Roadrunner and other animated characters. Cosponsored by Filmboard and Student Union Speakers Programming Board. Graham Chapel.

4 p.m. Division of Neural Sciences Lecture, "Regeneration of Connections in the Central Nervous System of the Leech," John G. Nicholls, dept. of neurobiology, Stanford U. Cori Aud., McDonnell Medical Sciences Bldg., 4570 McKinley.

4 p.m. Division of Population Biology Program, "Bioenergetics and Evolutionary Variation," Ward Watt, dept. of biology, Stanford U. 322 Rebstock.

4 p.m. Department of Physics Colloquium, "Calculations of Relativistic Collisions of Nuclei," A. Bodmer, Argonne National Lab. 201 Crow.

8 p.m. Department of English Talk, "A Tale from Grimm: The Juniper Tree," Lore Segal, WU Visiting Hurst Professor. Hurst Lounge, Duncker.

Thursday, Feb. 19

3 p.m. Department of Sociology and Black Studies Program Lecture, "Black American Scientists and the American Scientific Community," Jerry Gaston, chairman, dept. of sociology, S.I.U.-Carbondale. 219 McMillan.

4 p.m. Department of Earth and Planetary Sciences Seminar, "Through the Diamond Window: Adventures in Megabar Land," Kenneth A. Goettel, WU asst. prof. of earth and planetary sciences. 102 Wilson.

4 p.m. Department of Philosophy Colloquium, "How Not to Derive Utilitarianism from Postulates of Rationality," Michael D. Resnik, chairman, dept. of philosophy, U. of N. Car., Chapel Hill. 211 Busch.

4 p.m. Public Affairs Thursday Lecture, "Cultural Misunderstandings Between Iran and the U.S.," Lois Beck, WU asst. prof. of anthropology. Lambert Lounge, Mallinckrodt Center.

4 p.m. Department of Chemistry Seminar, "Enzymic Strategies for the Generation of Catalytic Power," Richard L. Schowen, prof. of chemistry, U. of Kan. 311 McMillan Lab.

Music

Saturday, Feb. 14

8 p.m. Department of Music Graduate Recital, Jeffrey Noonan, lute and guitar soloist. Graham Chapel. No charge.

Tuesday, Feb. 17

8 p.m. WU Department of Music Doctoral Recital, John Bollinger, piano. Grace United Methodist Church, 6199 Waterman. Admission free.

Thursday, Feb. 19

8 p.m. WU Department of Music Recital, Kevin Mason, lute soloist. Graham Chapel. Admission free.

Films

Friday, Feb. 13

8 and 10:15 p.m. Animation Art Festival, "Pinocchio." \$1.75. (Also Sat., Feb. 14, same times, Brown.)

12 midnight. Animation Art Festival, "The Fantastic Animation Festival." Brown, \$1. (Also Sat., Feb. 14, midnight, Brown.)

Sunday, Feb. 15

3 p.m. Committee on Asian Studies and Department of Chinese and Japanese Film, "The Human Face of China." Brown Hall Theatre. Admission free. (Also Feb. 22 and March 1, same time, Brown.)

Monday, Feb. 16

7:30 and 9:15 p.m. American Film Musical Series, "Roman Scandals" and "Dames." Brown. Admission \$2 for either or both films.

Tuesday, Feb. 17

7:30 and 9:15 p.m. American Film Musical Series, "Gold Diggers of 1933" and "Stand Up and Cheer." Brown \$2 for either or both films.

Wednesday, Feb. 18

12 noon and 4 p.m. Department of Art and Archeology Film, "Bruges—The Story of a Medieval City." Steinberg Hall Aud. Free.

7:30 and 9:30 p.m. WU Filmboard Series, "The Loneliness of the Long-Distance Runner." Brown. \$1.75. (Also Thurs., Feb. 19, same times, Brown.)

Exhibitions

"17th- and 19th-Century European Art." Upper gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m., weekdays, 1-5 p.m., weekends. Through March 8.

"American Art," an exhibit of 19th- and 20th-century paintings. Lower gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m., weekdays; 1-5 p.m., weekends. Through April 12.

"The Fine Art of Bookbinding," a survey of the historical and decorative aspects of the craft. Fifth level, Olin Library. 8:30 a.m.-5 p.m., weekdays. Through March 27.

"18th-Century Medical Historians." WU School of Medicine Medical Library Annex. 615 S. Taylor. 8:30 a.m.-5 p.m., weekdays. Through March 1.

"Master Prints from the WU Collection." Print Gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m., weekdays; 1-5 p.m., weekends. Feb. 15-April 30.

"Third Annual WU School of Fine Arts Alumni High School Art Competition Exhibition." Bixby Gallery, second floor, Bixby Hall. 10 a.m.-12 noon and 1-4 p.m., weekdays; 1-5 p.m., weekends. Through Feb. 14.

Sports

Tuesday, Feb. 17

7:30 p.m. Women's Basketball, WU vs. Fontbonne College. Francis Field House.



Long-time antagonists Elmer Fudd and Bugs Bunny are at it again in this cel painting from "Bugs Bunny in King Arthur's Court."

Animator—

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have garnered him numerous Peabody and Academy awards for his illustration, writing, directing and producing. One of his earliest and most successful collaborations was with Theodore Geisel (Dr. Seuss) in the creation of two classic animated films, "How the Grinch Stole Christmas" and "Horton Hears a Who." In 1950, two of Jones' films, "For Scentimental Reasons," with Pepe Le Pew, and "So Much for So Little," a documentary, won Academy Awards. Jones' third came in 1965 for his "The Dot and the Line."

Several years ago, Jones founded Chuck Jones Enterprises, which has produced nine half-hour feature television films. He also lectures and exhibits his work in the U.S. and abroad.

Original animation cel paintings, individually painted film frames featuring Bugs Bunny, Daffy Duck and other cartoon characters, are on display through Feb. 18 in the Olin Library lobby. Additional paintings will be on sale from 10 a.m. to 7 p.m. Feb. 16-18 on the lower level of Mallinckrodt Center. The work of Don Wells (AB '75), Emmy Award-winning animator of the "Whistling Sam" series for KTVI-TV, St. Louis, will also be on display and for sale. The sale is sponsored by Filmboard and Gallery Lainzberg of Cedar Rapids, Iowa.

Two animated films will be shown in Brown Hall Theatre Feb. 13 and 14: "Pinocchio," at 8 and 10:15 p.m., and "Fantastic Animation Festival," a montage of animated shorts, at midnight.