Patrick Rice, who heads Washington University Technology Associates, is perched some 300 feet above Washington, D.C., as he analyses Lady Freedom, the statue atop the U.S. Capitol.

**Capitol improvement**

**Nation's Lady Freedom faces head-to-toe 'spa treatment'**

Lady Freedom, the 150-year-old bronze statue that stands atop the nation's Capitol, will soon get a head-to-toe "spa treatment" from conservators, engineers and scientists of Washington University Technology Associates (WUTA).

The statue, 300 feet above Washington, D.C.'s Capitol plaza, has presided over the city since the height of the Civil War in 1865. At the time, President Lincoln urged that the statue be completed as a symbol that the Union would endure. Today, while the Union is still strong, Lady Freedom is corroding, falling victim to modern air pollution.

The statue, officially titled Freedom, is a classical allegorical female figure wearing flowing draperies. Her right hand rests upon the hilt of a sheathed sword and her left holds a laced wreath of victory and the shield of the United States with 13 stripes. Her helmet is encrusted with stars and has an eagle's head on its crest.

Lady Freedom was scrubbed with mild soap and water and her base repainted almost every four years. Her sword and her left holds a laurel wreath with a piece of metal that had sometimes (the sculpture is) under repair. Artists who create monumental sculpture, engineers and scientists of WUTA must design a way to safely support Freedom's 14,985 pounds.

If the statue is removed from her lofty abode, restoration will take place right on the Capitol plaza, so the public can watch the conservation process.

In preliminary analysis, WUTA found that the statue's surface had developed "galvanic corrosion cells," an electrically powered corrosion process. This occurs when an acidic material, such as the sulfuric acid found in acid rain, contacts the bronze surface. Sulfur-based corrosion products form and develop an electric current between those different corrosion products, slowly dissolving away the bronze surface of the statue.

WUTA chief engineer Jerry Dahl examined the interior of the statue to see how it had been assembled. "Many times artists who create monumental sculptures don't understand how things go together, so sometimes (the sculpture is) under-designed or actually dangerous, in some conditions," he said.

Dahl's examination will help determine if and how the monument test, when they wanted, they could switch over to the patient. On another part of their screen, they observed the patterns on ECG recording. Bringing away from the patient, the doctors discussed the results they had observed each other on the workstation screen. The resolution of images and data could be done in place. If she needs to be lifted from her perch, WUTA and other contractors allowed the doctors to view each other and consult over the phone as if they were in the same room together. They discussed the implications of the stress

** Literary theorist Stanley Fish to give talk

Duke University's Stanley Fish will speak at 11 a.m. Wednesday, Sept. 11, in Graham Chapel. Fish is Arts and Sciences Professor and held chair of the department, and professor of law of Duke. His lecture, "Free Speech Doesn't Exist, and It's a Good Thing," is part of the University's Assembly Series and is free and open to the public.

Fish is the author of more than 80 articles and books, including It's Time to Talk About That Other Thing, The Authority of Interpretive Communities. He is known for his critical theories asserting that meaning does not exist in a text; rather, it is determined by the reader. He is the author of his most recent book, Doing What Comes Naturally: Change, Rhetoric, and the Practice of Theory in Literary and Legal Studies, expands that argument. His works have been translated into French, German, Italian, Japanese, Chinese, Spanish, Polish and Hebrew; and many have been reprinted and anthologized. In the past 15 years, there are more than 75 articles, parts of books, and dissertations devoted to his work. In addition, his work has been discussed at a meeting of the Modern Language Association convention in 1976, by a panel at the American Studies Association convention in 1985, and in an issue of Genre.

Fish is a member of the American Academy of Arts and Sciences, and has received multiple awards, including the American Council of Learned Societies fellowships. He received his doctorate at Yale. Prior to teaching at Duke, he taught at several universities and was a visiting professor in English at Washington University in 1967.

The lecture is sponsored by the Assembly Series, the Department of Comparative Literature and the Department of English. For more information, call 959-4620.
The real world

Career Center program helps students prepare for life after graduation

During freshman orientation, students attend a session called "Choices 401," which is designed to give them their first peek at college life. Among others, the issues of dorm life, part-time vs. academics, and dating are discussed.

This year, the University's Career Center has planned a similar session for seniors. "Choices 401" is a skit that looks at college life four years later, as the students prepare for "the real world."

The issues are different, but the feelings experienced by many of the students are largely the same — excitement mixed with sheer panic. As they get ready to look out into the unknown, there are many questions, fear and battles with self-doubt.

Alfreda Brown, director of the Career Center, said she hopes the session will make students understand that they are not alone. "We want them to know that we understand how they feel, how they're going to feel. These feelings are normal. There are people on campus to assist you," she said.

"Choices 401" is part of Senior Options, a two-day program Sept. 11 and 12 at Mallinckrodt Center. Activities begin at 7 p.m. both nights. The program was scheduled at the beginning of the year to allow seniors as much time as possible to prepare for life after graduation. All students are invited to attend. Juniors who want to get a head start on next year are especially welcome.

This is the third year the center has held the program, which features several panel discussions involving alumni from various career fields and representatives of graduate schools.

"We want to assist students in identifying the resources available to them on campus to facilitate a smooth transition from Washington University to their next life, regardless of whether it's a graduate program, a full-time job or a volunteer opportunity," Brown said.

On Sept. 11, following an introduction by Brown and Harry Kisker, dean of students, the skit "Choices 401" will be staged in Edison Theatre. The skit, written by Nikola Wilensky, a senior in the Performing Arts Department, will depict the experiences of the senior year and address concerns and anxiety about leaving Washington University.

Following the skit, a panel discussion on "My First Year After College" will feature alumni as they share their experiences of landing their first real jobs. They will give suggestions to the seniors, as well as answer any questions.

Alumna Serena Burke was a French and sociology double major and Fulbright fellow who found the route to her ideal job meant going to graduate school for an MBA. She now works at Citicorp. One of the reasons for her visit is to show students that it sometimes takes years and several job changes to arrive at the ideal job.

Many seniors, Brown said, are anxious, believing that the first job will be the job they have forever. "We want to let our students know that there are a lot of opportunities available for them to do interesting and rewarding things for a short time period before moving onto a more traditional career," she said.

Later that evening, workshops will familiarize seniors with such on-campus resources as the Career Center, placement offices, and the Counseling Service. Six International House staff members will inform international students of various employment opportunities. Graduate study options in the arts and sciences will be discussed, along with professional school options.

Representatives of the business, law, social work, and medical schools will give short presentations, followed by a question-and-answer period.

On Thursday evening, "Career Clusters" will feature a more in-depth continuation of the alumni panels. Many career fields, including scientific/ mechanical, artistic, social and business, will be discussed by more than 20 alumni who are currently working in those fields. The majority of the alumni are members of the Career Center's ACCESS program. Brown said she hopes students will be encouraged to use the ACCESS program following Senior Options. ACCESS is a Washington University alumni network, providing students with information about the careers of hundreds of graduates.

Also on Thursday, graduate and professional school representatives will be available to explain the application process.

Brown said this year's Senior Options — the result of many months of planning — will be the largest one yet.

Lady Freedom —

could withstand being moved off the dome. Preliminary plans call for the statue to be jacked up and to insert a large metal platform under it. All stresses from lifting would then be directed through the platform to the bottom of the statue in order to minimize force on the statue's body flanges. The Lady Freedom project is part of an overall plan to refurbish the Capitol building by December 1992. WUTA is in great demand these days. The department recently was in the local news when they removed the "Peace and Vigilance" statues from atop the Old St. Louis Post Office. Plans call for the statue group to be restored and replaced in the building's atrium.

Reproduction materials will then be made of a sturdier material and will be mounted on the building's facade.

WUTA is restoring monuments across the country from Florida to Washington.

"There is a growing awareness about the need to upkeep objects and buildings and there is an increasing willingness to spend funds to preserve them," observes Rice. "But it's not so much that statues and buildings are corroding faster or more quickly, it's just that this type of work is cyclical. We often work with state and local governments, since they usually own these monumental sculptures, and all these projects have been in the works for several years."

Rice notes that there are about a dozen states in the country that have this type of restoration work. What sets WUTA apart is its versatility. Rice notes that there are about a dozen firms in the country that do this kind of work. "But it's not so much that statues and buildings are corroding faster or more quickly, it's just that this type of work is cyclical. We often work with state and local governments, since they usually own these monumental sculptures, and all these projects have been in the works for several years."

"In our staff of 17 we not only have conservators and technicians, we have artists and artisans who can create replacement parts, as well as people who can work on the public relations, marketing and administrative aspects to this type of concern. These are all elements that the smaller companies can't sub-contract, which puts them at a disadvantage," says Rice.

— Debby Aronson

Panel will examine Bill of Rights, future interpretations

From hate speech to privacy rights to the rights of individuals, the issues of the Bill of Rights will be explored at a conference to be held from 1 to 4:30 p.m. Sept. 15, in Room 316 of the Mudd Law Building.

The focus of the conference will be the address by Geoffrey R. Stone, dean and Harry Kalven Jr. Professor of Law at the University of Chicago Law School. Stone will deliver the Jerome W. Sidell Memorial Lecture. He is a leading constitutional scholar who has written widely on First Amendment issues. He served as counsel for William J. Brennan Jr., retired associate justice of the U.S. Supreme Court.

The 14th annual conference, which is sponsored by the Law School and the local chapter of the American Jewish Congress, is free and open to the public. Dorothy O. Ellis, J.D., dean of the law school, will welcome the panel, along with Joel K. Goldstein, president of the American Jewish Congress.

After Stone's lecture, a panel exchange and audience discussion will be held with speakers Judge John C. Holstein of the Missouri Supreme Court, Joseph Lucev, visiting lecturer in the history department, and Carole Willis, Ph.D., Hortense and Tobias Lewin professor of Jewish Studies.

"The focus will be the Bill of Rights — the Next 200 Years," is co-sponsored by the School of Law and the local chapter of the American Jewish Congress.

"The event is free and open to the public. Dorothy O. Ellis, J.D., dean of the law school, will welcome the panel, along with Joel K. Goldstein, president of the American Jewish Congress and St. Louis chapter of the American Jewish Congress.

The speakers will explore how the makeup of the U.S. Supreme Court will affect future interpretations of the Bill of Rights and will address how the court has responded to pressing contemporary issues, such as medical ethics and crime, over the next 200 years. The tension between the arts and society and the rights of individuals will also be addressed.

The law school will issue three Missouri continuing legal education credits for the event and will evaluate the program. Advance reservations are required by calling 993-5505.
Mildred Trotter, one of nation's foremost physical anthropologists, dies at 92

The Institute of International Education (IIE) has announced the 1992-93 competition for Fulbright grants for graduate study abroad and for programs of cultural and professional exchange. The deadline for filing an application on this campus is Sept. 22. Approximately 670 awards to more than 100 countries are available. Most of the grants provide round-trip transportation, tuition and maintenance for one academic year.

Applicants must be U.S. citizens at time of application, and must hold a bachelor's degree or its equivalent before the beginning day of the grant. Three new programs are available this year. The U.S.-Mexico Commission for Educational and Cultural Exchange (Fulbright Commission) has established a pilot project that will enable five teacher trainers and curriculum development specialists in TELFL/SIL to spend an academic year at designated Mexican institutions, primarily teacher training colleges. The IIE has announced a new fellowship program for young researchers in professional and public administration-related fields who wish to develop specialized knowledge for work in Europe. The program, funded by the Soviet Eastern European Foundation and Training Act of 1983 (Title VIII), is intended to support young specialists in the fields of economics, law, journalism, public administration and international relations. The IIE also has announced a reciprocal exchange program which provide opportunities for U.S. colleges and universities to send their students and faculty to East Central Europe and also to host comparable visitors from institutions in universities in that region. The program will offer one semester of study in East Central Europe each year for five students and three candidates for the spring 1992 semester. For more information, contact Michelle Shoresman at 935-5910.

Fulbright application deadline is Sept. 27

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