Greenfield notes, however, that some popular and are not adequately addressed to-own, that have only recently become popular and are not adequately addressed to be updated and/or revised. Although numerous consumer laws have been enacted over the last few decades, many such laws are outdated or inadequate. "Consumers of the '90s are being protected by codes of the '60s and '70s," said Greenfield. The Uniform Commercial Code (UCC), for example, was adopted almost 30 years ago. Although the 11-article code governs many consumer transactions in all 50 states, there are numerous transactions, such as car leasing and rent-to-own, that have only recently become popular and are not adequately addressed in the UCC.

Businesses set the rules In addition, said Greenfield, when it comes to laws governing relationships between consumers and companies, businesses set the rules. Because they have a vested interest in this legislation, businesses work to have their representatives all or committees for such legislation as the National Conference of Commissioners on Uniform State Laws (NCCUSL). This group drafts consumer-protection laws for enactment by state legislatures.

People like Greenfield who play the role of David to the Goliaths of assorted businesses interests involved in legislating consumer laws. Greenfield, author of Goldberg's Garage: A Practical Consumer's Guide to Auto Repair, is one of a handful of legal experts representing consumer interests on these NCCUSL committees. He and others work to keep consumer interests on the table and, in these days of deregulation, to fight for those laws that protect key consumer rights in areas such as product warranties and automobile financing.

Some laws 'counterproductive' Greenfield notes, however, that some consumer-protection laws have gone too far. For example, the Truth in Savings Act, while intended to regulate how banks compute interest and how they report it, is "so complicated that it's difficult to comply with and counterproductive."

Although this particular book is designed for professionals, there are many elements of consumer law the public would do well to know, said Greenfield. Businesses have had the upper hand. Because they know it is a jungle out there and consumers are the prey, said Greenfield, "Any consumer who has ever tried to buy a car or make another major purchase knows it is a jungle out there and consumer representation has the upper hand."

Michael M. Greenfield, ID., Walter D. Colles Professor of Law, has written a new guide that will help lawyers represent consumers in a legal area in which, historically, businesses have had the upper hand. The treatise, titled "Consumer Law: A Guide for Those Who Represent Sellers, Lenders and Consumers," was published in August by Little, Brown and Company. The Uniform Commercial Code, which contains a complete treatise on consumer laws, is one of a handful of legal experts representing consumer interests on these NCCUSL committees. He and others work to keep consumer interests on the table and, in these days of deregulation, to fight for those laws that protect key consumer rights in areas such as product warranties and automobile financing.

Modern mobility

A group of students in the School of Architecture earlier this fall were asked, in the simplest terms, to replace the automobile as a form of transportation. And they had to complete this task using only paper and pencil, their minds, their hands, old bicycles and the expertise of mechanics from BicycleWORKS, a community-based program in which youth learn how to repair discarded bicycles in exchange for bikes of their own.

To the casual observer, the architecture students' finished products looked like a cross between science-fiction transportation modules and contraptions used by cowboys in a circus gag. Nevertheless, the students did such a good job designing the bicycles-of-the-future that plans are being made to display some of the bikes in January in the Chicago Bicycle Museum on Navy Pier. The projects this year were very successful," said Lindsey Stouffer, lecturer in architecture and teacher of this three-dimensional design class. "The students have a lot of ownership in the bikes because it is their first chance to design and build something for real."

Eight architecture students, all sopho-

Sophomore Jeff Carney has redesigned bicycle a test run while his classmates watch. The three-dimensional design class required students to build bicycles that could replace cars in modern society. Some bikes, for example, had storage compartments, and others featured protection from the elements. Carney rebuilt the bike with sophomore Tim Stoll.

The students have a lot of ownership in the bikes because it is their first chance to design and build something for real. …

— Lindsey Stouffer

The project was a collaboration between the architecture school and BicycleWORKS, which donated the old bicycles. This is the second year BicycleWORKS and the School of Architecture have collaborated.

BicycleWORKS is an alternative-education program that began in 1988 in Bohn's garage. Through the program, youths discover that success results from altering a bike frame is easier said than done. As Stouffer said, "The idea for this design is not enough; the change has to come from within."

The redesigned bicycles will be displayed over the next several months in various locations. For more information, call BicycleWORKS at 664-0828. —Dwight Aronson

Restricting recovery …

Study suggests workers' compensation system adversely affects outcome of carpal tunnel surgery

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**Workers' compensation influences outcome of carpal tunnel surgery**

Surgery is the most common treatment for carpal tunnel syndrome, a nerve problem in the hands and wrists. About 80 percent of workers' compensation claims are for carpal tunnel syndrome. The surgery may take more time off work and be less satisfied with their recovery than those who do not receive workers' compensation, a new study shows.

Carpal tunnel syndrome involves prolonged tingling, pain or numbness in the hands and wrists. People who engage in repetitive movements, such as flour or grocery workers, and typing, are most at risk. School of Medicine researchers surveyed 166 people who had undergone the surgery during an eight-year period. Eighty-one percent of those who had received workers' compensation reported residual symptoms, compared with 49 percent of those who had not. The former returned to work 12 weeks after their surgeries, whereas the latter three weeks to get back on the job.

"So our study suggests that the work- ers' compensation system in some way affects outcomes of carpal tunnel sur gery," said Philip Higgs, M.D., assistant professor of surgery and of occupa tional therapy. Higgs was lead author of the study, which was described in a recent issue of the Journal of Hand Surgery.

A common problem

Carpal tunnel syndrome is one of the most common problems encountered by hand surgeons. It develops when the median nerve and carpal tunnel in the wrist narrows and presses on the median nerve. The symp toms often are troublesome during the night, and they can prevent patients from carrying out even simple tasks.

A Bureau of Labor Statistics survey found that carpal tunnel syndrome accounted for 41,000 (or 1.8 percent) of the 2.25 million work-related injuries and illnesses among private industry employees in 1993. The syndrome accounted for 3.2 percent of work-related injuries and ill ne cessities in manufacturing industries, where workers are most likely to engage in repetitive movements of the hands and wrists.

Repetitive motion injuries are often work-related, and workers who are injured on the job.

The study speculates on differences between people who receive workers' compensation and those who do not. First, the former may be convinced that carpal tunnel syndrome is an injury rather than a disease and therefore may expect to recover completely. Second, such workers may be tempted to prolong recovery in hope of additional compensation. Third, employees who receive workers' compensation may have more than one repetitive motion disorder, so a successful carpal tunnel surgery would not be expected to relieve all of their symptoms.

Linda Sage

Andrew C. Chan named Pew scholar for his research on how T cells work

Andrew C. Chan, M.D., Ph.D., assistant professor of medicine and of pathology, has been named a Pew Scholar in Biomedical Sciences. The international scholarship is awarded by the Pew Charitable Trusts to support young investigators of outstanding promise who perform basic or clinical research with the potential for advancement of human health. The award provides $200,000 of research support over a four-year period.

Chan's research has helped to explain how the body can produce certain stop signals to specifically block the function of T cells. The development of drugs that specifically block the function of T cells is expected to provide a potent way to calm down these overactive T cells.

"We're learning how aldose reductase works in various tissues and how inhibitors block its function," Petrash explained. "This new grant will allow us to pursue our work with aldose reductase, clarify its role in diabetic complications and perhaps expand our understanding of how enzy mes evolve. The results could be substantial because aldose reductase is a model for a whole family of enzymes."

Petrash receives funding for vision research

The Department of Ophthalmology and Visual Sciences has received two grants from the National Eye Institute of the National Institutes of Health to fund ongoing research efforts. J. Mark Petrash, Ph.D., associate professor of ophthalmology and visual sciences and of genetics, is the principal investigator of both grants. One five-year grant provides Petrash, who also is director of research in the ophthalmology department, with $1.8 million to continue his research on the aldose reductase enzyme and its role in diabetic complications of the eye.

"We're learning how aldose reductase works in various tissues and how inhibitors block its function," Petrash explained. "This new grant will allow us to pursue our work with aldose reductase, clarify its role in diabetic complications and perhaps expand our understanding of how enzymes evolve. The results could be substantial because aldose reductase is a model for a whole family of enzymes."

The other grant is a five-year extension of the National Eye Institute Grant for Vision Research that funds the work of 32 investigators at the School of Medicine. The National Eye Institute will provide $1.8 million to the department during those five years. The grant is one of 20 Core grants in the Department of Ophthalmology and Visual Sciences.

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Wallace dissolves Michelangelo myths

...we can’t live without culture. It is very important to the quality of life....

Wallace dissolves Michelangelo myths

In a scene from the 1965 film "The Agony and the Ecstasy," Michelangelo, played by Charlton Heston, escapes to the marble quarries of Carrara, Italy, to sort out his frustrations with his first attempts at painting the Sistine Chapel ceiling. He rises from a deep sleep and slowly steps into a clearing, wide-eyed, searching, as if he were experiencing the world anew. A golden sunrise beckons his gaze heavenward. A magnificent book but sounds very Victorian, which it is. "I can say, 'Fine, if that is what you're interested in.'"

Michelangelo was characteristic of how Renaissance artists worked, Wallace said. "If you want to build buildings and create monumental sculpture commissions, inevitably, you had to work as a businessman." This larger point is playing a significant role in Wallace's current project, a biography of Michelangelo. "The Genius as Entrepreneur" (Johns Hopkins University Press, forthcoming), will be accessible to an audience larger than his first book may have reached. "Rather than just, in the first instance, talking about the final product, I want to create a picture of a very human figure, not just a godlike person."

"I hope you will make the most of it, and I hope you are happy," Wallace told the audience on an upbeat note.

"The Genius as Entrepreneur" aims to reconnect the idea of a gigantic artist and his genius of all time back into his own life." He spent 10 minutes reading through a list of his students—"yes, they're my students, not the people I was studying," he said. "They will have a solid base of knowledge in art history, but it will also require a distant view. This is the quality of life and essential to one's viewpoint."}

Michelangelo's mission

"One of the aspects that hasn't been featured recently in Michelangelo discussions is his own belief of what he was and what his mission was," explained Wallace. "He was very wealthy — today's equivalent of a multimillionaire. ..." He recounts the poignant story of the young man's passion for art. "He spent 10 minutes reading through a list of his students—"yes, they're my students, not the people I was studying," he said. "They will have a solid base of knowledge in art history, but it will also require a distant view. This is the quality of life and essential to one's viewpoint."
Wednesday, Nov. 1
8 p.m. Fiction reading. E. Annie Proulx, Pulitzer Prize-winning author of "The Shipping News," will read her work. The event is free in the Ducker Hall. 935-5190.

Center for Student Multicultural Retreat registration deadline. "The Catholic Undergraduate improves relationships between students. Registration will be held from 8-9 p.m. Nov. 3 at the Catholic Student Center, 6532 Forsyth Blvd. To register, call 725-3358.

Thursday, Nov. 2
8 p.m. Literary reading to benefit hunger relief. The Writers Harvest Foundation, the literary arts which was previously known St. Louis participants who will read from their works. The event will be held at the Center for American and European Studies. All proceeds benefit Operation Search Food, a St. Louis-based hunger-relief agency. For tickets, call 935-5576.

Midwest AIDS Training and Education Center Mayor Romanski is the son of former St. Louis mayor. Event by the Catholic Undergraduate to help students. Tickets sold at the door. 935-5576.

Friday, Nov. 3
Office of Continuing Education Mediation training for men and women who are interested in learning more about mediation and its applications. The course will be held in the Catholic Student Center Twilight Retreat registration deadline. "The Catholic Undergraduate improves relationships between students. Registration will be held from 8-9 p.m. Nov. 3 at the Catholic Student Center, 6532 Forsyth Blvd. To register, call 725-3358.

Sir Charles Dilke and Judith John T. Noonan Jr. will speak in the Assembly Series at 4 p.m. Thursday, Nov. 2. His lecture, titled "Conscience Against Communism and Church," will be held in the Courtroom in the Mudl Law Building and is free and open to the public. Noonan is a judge on the Ninth U.S. Circuit Court of Appeals in San Francisco. He holds a position he has held since 1966. He was named a judge of law at the University of the Catholic University of America in 1966 and to the bench of the Court of Appeals for the Ninth Circuit in 1961. He also served as the staff editor of the National Security Council during the Eisenhower administration and worked in private legal practice in Boston from 1955 to 1960.

After receiving a bachelor's degree cum laude from Harvard University in 1946, Noonan earned a master's degree and a doctorate from the Catholic University of America, Washington, D.C., in 1951, respectively. He then studied for his master of laws degree at the Harvard Law School, receiving it in 1954.

Noonan's foremost intellectual interest is the relation between religion and government. This is reflected in his writings, which include the following works: "The Public Crisis of "Bribes" (1984), "The Believer and the Powers That Are: Cases, History and Other Essays on Religion and Government" (1987), "A Private Choice: Abortion in America in the Seventies" (1979) and "Conception: A History of Its Treatment by the Catholic Theologians" (1980). He has also edited "The Morality of Abortion: Legal, Religious, and Medical Aspects," written many articles, including "Principles of Pragmatic Foundations for the Freedom of Conscience in the United States" in the Journal of Law and Religion.

This lecture serves as the Edward G. Weldon Lecture in Religious Studies. Noonan taught Greek and Roman history at Washington University in 1947 and retired from the Department of History in 1980, continuing thereafter to teach courses through University College. The lecture is sponsored by the Assembly Series, the Committee on Religious Studies in Arts and Sciences and Student Union.

Women's soccer starts in hunt for UA title. The Bears took two significant steps toward securing a first UA crown by earning a tie with the University of California (Walshitt, Mass.) and the University of Rochester. One UA match still remains, and Rochester plays next Sunday (October 28) at Carnegie-Mellon University. The Bears' UA fortunes will mirror the outcome of the game — a win giving WU the outright championship, a draw putting WU in a first-place tie, and a loss leaving the Bears in second.

The Bears' 7-1-0 record this season puts them among the top teams in the country and gives them the opportunity to make a statement against the top teams. The Bears have a tough schedule ahead, but they are prepared to face the challenge.

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Midwest mayors to participate in institute on urban design

The School of Architecture will host the Mayors’ Institute on City Design: Midwest, Oct. 26-28. The institute, which is sponsored by the National Endowment for the Arts (NEA), provides a forum for an invited group of mayors to meet with architects and design- ers to discuss alternatives for increasing the livability of American communities.

The mayors attending are: James A. Sterritt, former head of the New York City Housing Authority; Bill Kohn, the former head of the Washington, D.C., Department of Housing and Community Development; James King, mayor of Grand Island, Neb.; Edith Stunkel from Honolulu, Minot, N.D., and Maniﬁer from Neenah, Wis.

Peter Calthorpe, author of “Sustainable Communities” and “The Next American Metropolis,” will lecture at 7 p.m. Thursday, Oct. 26, in Steinberg Hall Auditorium. The lecture, which explores how sprawl is changing Americans, is sponsored by Citizens for Modern Transit, a local group that worked for 12 years to mark in a green line around the St. Louis region. Widely considered in a design pioneer in creating techniques for producing energetic structures, Calthorpe advocates a type of urban in which the number of high-speed transportation and expressways are reduced. Sustainable communities are clustered in “village centers” and green space occupy the space between nodes. In Calthorpe’s scheme, inhabitants make more use of public transportation and expressways. Other members of the project team are Daniel Parolek, company’s director in charge of urban design; Sarah Kay, urban planner from Land Strategies; and four graduate students in architecture.

For more information about the institute, call 935-3424 or 935-6253.

Art school faculty to exhibit works

The School of Art will showcase works of more than 30 of its members in a show titled “Transitions” from Nov. 3 through Dec. 17 at the Gallery of Art in Steinberg Hall. The exhibition opens with a free lecture at 7 p.m. Thursday, Oct. 26, in Steinberg Hall Auditorium. The lecture, which explores how sprawl is changing Americans, is sponsored by Citizens for Modern Transit, a local group that worked for 12 years to mark in a green line around the St. Louis region. Widely considered in a design pioneer in creating techniques for producing energetic structures, Calthorpe advocates a type of urban in which the number of high-speed transportation and expressways are reduced. Sustainable communities are clustered in “village centers” and green space occupy the space between nodes. In Calthorpe’s scheme, inhabitants make more use of public transportation and expressways. Other members of the project team are Daniel Parolek, company’s director in charge of urban design; Sarah Kay, urban planner from Land Strategies; and four graduate students in architecture.

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Performing Arts department presents "Marat/Sade" to the community

The Marquis de Sade’s whip may be all that the department’s production of a mob of madness reminiscent of the Performing Arts Department brings Peter Weiss’ 1960s masterpiece “Marat/Sade” to the Edward and Louise Brown Building Center on Nov. 3, 4, 10 and 11 and at 2 p.m. Nov. 5, 12 and 19. Eric Nuetzel, M.D., of the St. Louis Psychiatric Institute, will lead a discussion of the historic, psychiatric and psychological dimensions of the drama, which follows the French asylum of Charenton in 1808. This shocking drama unfurls before an audience of the French gentry who are audience by the throat with these questions. "How close is any living being to falling into a state of madness, and how strong are the arts that keep all from being engulfed by chaos? "Marat/Sade" grasps the audience with its stark, graphic and explosive truth and threatens to drag each viewer into the emotional abyss of a mental asylum," said Jeffery Matthews, director of the play and art-in-residence. The play officially is titled "The Persecution and Assassination of Jean-Paul Marat, as Performed by the Inmates of the Asylum of Charenton Under the Direction of the Marquis de Sade."

"Marat/Sade" cast members will be stationed near the Edison Theatre box office from 10 a.m. to 4 p.m. Monday through Friday, and 1-4 p.m. Saturday and Sunday. Students may purchase tickets through the department for $6; all others may purchase tickets for $8.

"Marat/Sade" captured both the New York Critics’ Circle and Tony awards for best play of 1966, but few directors since have attempted to re-create the complex drama. It has seldom, if ever, been seen on a St. Louis stage since the 1971-72 production at the Repertory Theatre of St. Louis. Twenty-five students will have on-stage roles in the play’s production at Washington University.

Tickets are $3 for general public and $6 for senior citizens and University faculty, staff and students. (A 25 percent discount is available for groups of 20 or more.) For more information or a copy of the souvenir brochure, call 935-6563.

"Marat/Sade" is part of a larger French drama season featuring three French stage productions: "Voyageurs," "Marat/Sade" and "Pericles." For more information, call 935-6563.

Weekend highlights

The Department of Germanic Languages and Literatures in Arts and Sciences is sponsoring a German Week-end at Washington University Friday-Sunday, Oct. 27-29, to acquaint promo-nant high school teachers and students nationwide with the department’s pro- grams and to encourage the teaching and learning of German.

The department traditionally sponsors a German Day in the spring of hundreds of St. Louis high schools, as a way to acquaint students with the language and its rich culture. But this year, the faculty wanted to broaden the program’s scope to include educators can develop new ways of teaching German. As a result, the faculty decided to arrange a number of workshops and lectures, to encourage the teaching and learning of German.

The high school students will stay in the city in one of the seven different hotels. The teachers will stay in the Midwest Institute. (Left to right) Jean-Paul Marat (senior Ryan Patterson), Charlotte Corday (senior Alexis Chamow), and the Marquis de Sade (graduate student Robert Neblett) will appear in the Performing Arts Department production of "Marat/Sade."
Alumnus participated in physics experiment that led to Nobel Prize

Washington University alumna from the late Chloé L. Cowan participated in a critical experiment that discovered two different subatomic particles, which proved the existence of neutrinos in physics from Washington University in D.C., until his death in 1974 at age 54.

Although the Nobel Committee does not make posthumous awards, the Royal Swedish Academy of Sciences did give Cowan equal credit for what it referred to as the "neutrino breakthrough," in its 1956 Nobel Prize decision. Cowan and Reines demonstrated in 1956 the existence of a subatomic particle, the neutrino.

The existence of neutrinos had been theoretically predicted about 20 years earlier. Despite its fundamental importance to the study of cosmology, the mechanisms of energy generation in the stars and the structure of elementary particles, the neutrino remained a mystery.

The Nobel committee had reviewed Cowan's unrelated experiments in which they had raised the neutrino from its anonymity and given it an existence as a free particle. The committee wrote of Cowan's work on the staff at Los Alamos when they made their discovery, achieving international recognition.

Sorenson, Cowan held half of the discoveries that considered to be on the impossible.

They had raised the neutrino from its anonymity and given it an existence as a free particle.

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Hilltop Campus

The following is a list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of Human Resources, Room 120 North Brook Hall, or by calling 955-5900.

Administrative Assistant 960076-R. - Personal vehicle required; some college preferred; willingness to learn; ability to work with accuracy; legible handwriting. - Application required. Manager of Accounting Services 960079-R. - Bachelor's degree plus two years experience in accounting; knowledge of accounting concepts; ability to work with applications software. - Application required. Assistant Director of Development Services 960080-R. - Requirements: bachelor's degree; minimum of three years experience in development work; knowledge of accounting practices; ability to work effectively with a variety of personnel. - Application required. Assistant Director of Development Services 960084-R. - Personal vehicle preferred; some college preferred; willingness to learn. - Application required.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Applications and/or interviews will be arranged as required. All positions are on an hourly basis unless otherwise stated. - Application required.

Communications Technician 960197-R. - High School; two years communications experience; ability to work effectively with a variety of personnel; knowledge of, or a willingness to learn, a variety of word processing software packages. - Application required. Customer Service Representative 960198-R. - High School; two years experience in customer service required; ability to work effectively with a variety of personnel; willingness to travel. - Application required. Technician 960199-R. - High School; two years experience in medical field required; ability to work effectively with a variety of personnel; willingness to travel. - Application required. Technical Assistant 960200-R. - Associates degree; two years experience in medical field; ability to work effectively with a variety of personnel; willingness to travel. - Application required. Facility Manager 960201-R. - Bachelor's degree; experience in facilities management; ability to work effectively with a variety of personnel; willingness to travel. - Application required. Research Lab Technician 960202-R. - Bachelor's degree; experience in research; ability to work effectively with a variety of personnel; willingness to travel. - Application required. Research Scientist 960203-R. - Master's degree; experience in research; ability to work effectively with a variety of personnel; willingness to travel. - Application required. Research Technician 960204-R. - Bachelor's degree; experience in research; ability to work effectively with a variety of personnel; willingness to travel. - Application required. - The position is part-time. - Application required.

Recent graduates in an area of special interest

Did you know, for example, that:

• The Federal Fair Debt Collection Act states that debt collectors generally may call between 8 a.m. and 9 p.m., or any other time the consumer said is inconvenient? In addition, a debt collector may not contact the consumer at home if the consumer requests the collector not to do so. Nor may a debt collector harass a consumer.

• A consumer may be able to recover damages caused by a debt collector's violation of the Federal Fair Debt Collection Act? Those damages include reasonable attorney's fees. But courts have discretion to recover other damages as well as attorney's fees. - Application required.

Federal charges filed in Apples

Federal charges were filed against Andre Bonds of East St. Louis. The 21-year-old was charged with possession of a firearm, receiving nonexistent insurance, and making false statements about a stolen vehicle. A FBI official said that the charges were filed because Bonds had been involved in several crimes. - Application required.

Consumers should know their rights — from page 1

Lening a car, for example, has many pitfalls, he said. There are no requirements for a dealer to conduct a standardized cost of a car or the financing cost, he said. This means there is no way a consumer effectively can comparison-shop for a leased car. This means there is no way a consumer effectively can comparison-shop for a leased car. This means there is no way a consumer effectively can comparison-shop for a leased car. This means there is no way a consumer effectively can comparison-shop for a leased car. This means there is no way a consumer effectively can comparison-shop for a leased car.

It's important for consumers to know just what rights they have said. Did you know, for example, that:

• Maintenance offers by car dealers and credit card companies are the "biggest

Bonds was charged early in state court for vehicular murder.

Amptoon and a friend were abducted from a restaurant on the corner of Tamm and Clayton Avenues. Amptoon was killed, and the friend was shot. Both were left for dead. - Application required.