

THE TARTAN



Volume 100, Issue 18

Carnegie Mellon's Student Newspaper since 1906

20 February 2006

COMPETING WITH
NEW STANDARDS

How would recent proposals in Washington affect college life across the country?

A) Standardized tests may come to college

by Claire Morgenstern
Staffwriter

Traditionally, students have equated the beginning of college with the end of one's standardized testing career. However, soon these two may no longer be mutually exclusive. The Commission on the Future of Higher Education, under the direction of Secretary of Education Margaret Spellings, has been discussing

the advantages to be gained from administering a standardized test designed specifically for college students. According to a February 13 article in *The New York Times*, a perceived need for more accountability in colleges and universities. Commission members felt that it would be advantageous to create one standard test to be administered to every college student in the nation.

The exam would test students' writing, critical thinking, and problem-solving skills. Its results would be used to assess the total amount of learning that is occurring in colleges, but also which schools contain the students who are learning the most — and least. But government standards are far from ideal in the minds of Carnegie Mellon students. "I can't think of any reason that a student would want or need to take that kind of test," said sophomore Julia Brown, a professional writing major. "How do you test a humanities major versus a computer science major? There's no way to really standardize that."

"Each college is supposed to do things differently," said Rebecca Reesman, a first-year in physics and statistics.

See TESTS, page A4

B) American math and sciences slipping

by Michael R. Fitzgerald
Staffwriter

Public discourse on America's growing deficiencies in math and science education is intensifying. "America must do more to prepare high school students for college-level

mathematics and science," said Secretary of Education Margaret Spellings to a U.S. Senate committee, according to a February 10 article in *The Chronicle of Higher Education*. The implications for American global technological dominance have been a growing concern in many Washington circles.

John Mackey, Carnegie Mellon's assistant head of mathematical sciences, confirmed that students from countries such as Singapore, Taiwan, the Netherlands, Russia, Belgium, and China seem to have better basic skills in early math classes.

See PREP, page A4

C) Proposed budget would cut loans

by Benjamin Hackett
Staffwriter

That HUB refund check may have just gotten a little smaller. On February 6, President George W. Bush presented Congress with the White House's proposal for the fiscal year 2007 budget. If the budget passes, there will be significant reductions in funding for popular education programs directly affecting college students. The budget cuts target the Perkins Loan and other need-based programs.

"The Perkins loan program has been under review for a

while. Last year Congress proposed the elimination of the entire program, not just the annual receipt of the federal capital contribution which colleges receive," stated Linda Anderson, director of Enrollment Services at Carnegie Mellon. A popular education financing method among Carnegie Mellon students, the Perkins Loan provides a low interest rate lending option. If approved, the President's proposed budget would eliminate the loan.

"Congress has shown that it intends to continue the Perkins Loan program ... by including it in its reauthorization of the Higher Ed amendment in both House and Senate bills," Anderson stated. At Carnegie Mellon there are roughly 1000 students whose loans could be at risk. This is the second

See BUDGET, page A3

Zeta becomes Alpha Chi Omega

The only local sorority, Zeta joins national organization

by Nicole Barley
Staffwriter

Add another item to the list of changes taking place on Carnegie Mellon's campus this year: Local sorority Zeta Psi Sigma is no longer. The letters adorning the house have been removed and are soon to be replaced by three new ones: AXΩ.



Justin Brown/Assistant Photo Editor

On February 1, Zeta Psi Sigma officially asked national sorority Alpha Chi Omega to become part of the Greek community on Carnegie Mellon's campus. After 12 years as part of the University, the local sorority has been adopted by a national organization. Following much deliberation on behalf of the 28 sisters of Zeta Psi Sigma, the women of Carnegie Mellon's Panhellenic Council, the dean of Student Affairs, and the coordinators of Greek Affairs, Alpha Chi Omega was chosen as the best fit.

Previously known as Chi Omega, Zeta Psi Sigma was formed when Chi Omega's national charter was revoked for financial reasons in 1992. This marks the second change in affiliation during the sisterhood's history.

"It was a hard decision. A lot of the sisters didn't want to give up Zeta. But we knew if we didn't do it now, Zeta would die," said former Zeta Psi Sigma president Jamie Morocco, now president of Alpha Chi Omega.

"You want something to come back to in five years," Morocco said, noting that the choice to be adopted by a national sorority was a long time in coming.

"It was hard to hang with the other nationals here without the support of a national organization," she added.

Emerging empty-handed from this fall's Formal Membership Recruitment session, Zeta welcomed four new members following an additional week of Informal Membership Recruitment. Comparatively, nationally sponsored sororities like Delta Gamma and Kappa Alpha Theta welcomed 27 new sisters into each respective house.

"As a local sorority, Zeta didn't have the resources available to them to help them be successful," said Monica Bebie, coordinator for Greek Affairs.

See GREEK, page A3

Panel discusses RIAA

by Michael R. Fitzgerald
Staffwriter

Analogies flew fast and furious at the Public Debate on Electronic File Sharing hosted by the University of Pittsburgh last Friday.

In an October article, *The Tartan* reported that an undisclosed amount of students were facing subpoenas from the Recording Industry Association of America ("RIAA returns to campus," Oct. 10, 2005). Now, four months later, the University of Pittsburgh invited two involved attorneys to discuss the issue in a public forum.

For their annual "Computer Science Day," the University of Pittsburgh invited two experts to work with two undergraduate debate all-stars in an event that moderator Gordon Mitchell, an associate professor of communication at the Univer-



Stacey Chu/Photo Staff

Charles Lee Mudd, Esq., one of the debating attorneys, discussed RIAA lawsuits last Friday at Pitt.

sity of Pittsburgh, hoped would "move past the battle-royale pyrotechnics that you see on *Hardball* with Chris Matthews or *Crossfire*."

The event was legitimized by the participation of Geoffrey L.

See RIAA, page A3

Campus stores annually lose money to theft

by Matthew McKee
Staffwriter

Bookstore officials do not raise textbook prices just to inflate their pocketbooks. Last fiscal year, the University Shoppe, campus art store, and Entropy lost over \$150,000 in stolen textbooks, souvenirs, and other merchandise. Store officials said that while lamentable, this figure remains relatively constant from year to year.

"It's a fairly consistent number," said Patricia Clifford, director of Campus Services, "but it doesn't do the campus any good."

The three facilities sold roughly \$5.6 million in goods last year. Typically, the amount of stolen products, or shortage, makes up about two percent of this figure. This number does

not deviate from the amount a typical retail store loses to stealing in a fiscal year.

The National Association of College Stores reports that over the 2003–2004 fiscal year, the median sales amount for college stores was \$3.5 million. Nationally, students spent an average of \$704 during that fiscal year.

The shortage at Carnegie Mellon does not affect student tuition, because the stores act as auxiliary services of the University. Profits earned from sales pay for everything that goes into keeping any store running. Rent, custodial costs, employee salaries, credit card fees, and software licenses all come from the stores' dime.

Clifford noted that Carnegie Mellon stores would like to reinvest more of what students spend

See STORE, page A4



Justin Brown/Assistant Photo Editor

Entropy and other campus stores lost over \$150,000 in stolen merchandise last year. According to officials, the loss is an annual problem.

Crime & Incident

Theft

11 February 2006
at 08:45

A carpenter for Facilities Management Services called the police and said that unknown individuals removed his carpentry tools while the complainant was away from the room where he was working.

Noise Complaint

12 February 2006
at 22:40

The complainant told the police a group of persons was fighting in his hall in West Wing. The actors were using soft-pellet air guns. Police confronted the actors and advised them to clear the area.

Theft

11 February 2006
at 12:09

The complainant called the police and said an unknown individual had removed the combination lock on his locker in the men's locker room of the University Center. The complainant's brown leather wallet was also taken.

Assist Outside Agency

13 February 2006
at 01:03

Pittsburgh Police called Campus Police and informed them that a man described as approximately 50 years old, six feet tall, and weighing 160 lbs. had to be escorted from the bus he was riding to the outbound bus stop at Morewood and Forbes avenues. However, because no more buses were available, the actor then continued to walk outbound on Forbes Ave.

Property Damage By Vehicle

11 February 2006
at 13:07

A student told Campus Police that he witnessed a black Dodge Neon back up into a light blue Cadillac on Margaret Morrison Street. The actor's car hit the grill of the Cadillac. The student also said the actor got out of the car to see if there were any damages and got back into his vehicle.

Theft

14 February 2006
at 12:35

A University Center employee stated that someone stole his shoes from an unlocked locker in the University Center. The complainant did not want to file a report.

Disorderly Conduct

12 February 2006
at 18:10

Two students were in a car driving on Frew Street when an unknown girl darted in front of the complainant's car, then kicked it when it stopped. Police responded to the scene, but the girl was gone on their arrival.

Suspicious Activity

14 February 2006
at 17:58

A student in Henderson House called the police and said that the smell of marijuana was coming through the air duct of the building. Upon arrival, the police could not determine the source of the odor.

Compiled by



Marcus Gho/Senior Staff

Putting it together

Mechanical engineering students from the American Society of Mechanical Engineers (ASME) teach kids how to make a structure from toothpicks and marshmallows that would support tennis balls. From left to right: Michael Miles, senior; Caroline Conley, junior; and Matthew Wasserman, junior.

StatisticallySpeaking

Recently, a number of high-profile search engine companies complied with the Chinese government's demands and began filtering out so-called inappropriate results. To get an idea of how vast these search engines are, let's look at their statistics for last year.

Estimated searches per day in the U.S.:

Yahoo — 42 million
AOL — 93 million
Google — 112 million

Estimated annual search engine usage (in hours):

MSN — 4.9 million
Yahoo — 5.4 million
Google — 13 million

Most popular searches of 2005:

Yahoo — "Britney Spears"
AOL — "Lottery"
Google — "Myspace"

Sources: tools.search.yahoo.com, www.google.com, www.lcog.com, searchenginewatch.com, asianresearch.org

Compiled by
Adam Greenberg

Corrections & Clarifications

If you would like to submit a correction or clarification, please e-mail The Tartan at news@thetartan.org or editor@thetartan.org with your inquiry, as well as the date of the issue and the name of the article. We will print the correction or clarification online, as this is the last print issue for the semester.

Dr. Ruth to discuss life experiences with students

by Andrew Peters
Staffwriter

Utopianism, video games, and sex are this week's topics in the University Lecture Series. This afternoon, graduate students Asi Burak and Eric Brown in CMU's Entertainment Technology Center will give a lecture on the project, a video game they developed to simulate Mideast conflict. Burak and Brown, co-producers of the PEACEMAKER Project, lead a team of graduate students dedicated to the cause of finding creative solutions to resolve Israeli-Palestinian conflicts. According to the PEACEMAKER website, the game is designed so that "players

choose the role of either the Israeli prime minister or the leader of the Palestinian Authority. The goal is to establish a stable resolution to deadly, protracted conflict before the politicians' terms of office expire." Burak and Brown will speak in the Adamson Wing of Baker Hall at 4:30 pm. On Thursday, professor Sarah Bryant-Bertail of the University of Washington will give a lecture titled "*Nathan the Wise*: Reviving Utopia." Bryant-Bertail is an author and essayist on theater performance, semiotics, feminism, and intercultural theater. Bryant-Bertail's lecture will center on *Nathan the Wise*, a 1779 play by Gotthold Lessing that celebrates religious toler-

ance in Jerusalem during the Crusades. "The lecture title itself gives a sense of the main aim of my talk, which is to explore what Lessing's 'utopian' picture of Jerusalem meant to Germany in the 1770s, what it has meant to successive generations, and what it means now in our post-9/11, war-torn world," Bryant-Bertail stated. "*Nathan the Wise*: Reviving Utopia" will be given in the Adamson Wing of Baker Hall at 4:30 pm on Thursday, February 23. The keynote speaker for MOSAIC, this Saturday's annual conference on gender issues, will be Dr. Ruth Westheimer, one of *People's* "Most Intriguing People of the Century." Dr. Ruth, often dubbed the

"original sexpert," has hosted several television shows and written 30 books on the topic of sexual health. Westheimer's presentation is titled "Soldier, Sex Therapist, and Mother of the Year: Milestones in the Life of Dr. Ruth." According to the MOSAIC website, Westheimer's speech "will discuss her life experiences as an orphan of the Holocaust, a pioneer of media psychology, a media personality, and an advocate for Planned Parenthood, women's health, and sexual literacy." Westheimer will speak at 10 am Sunday in McConomy Auditorium. Pre-registration is required at www.studentaffairs.cmu.edu/mosaic.

Asi Burak and Eric Brown
"PEACEMAKER Project"
Today at 4:30 pm
Baker Hall 136A

Sarah Bryant-Bertail
"*Nathan the Wise*: Reviving Utopia"
Thursday, February 23, at 4:30 pm
Baker Hall 136A

Dr. Ruth Westheimer
"Soldier, Sex Therapist, and Mother of the Year: Milestones in the Life of Dr. Ruth"
Sunday, February 26, at 10 am
McConomy Auditorium, University Center

But it showed me that budget inflation can be an effective way of getting more — potentially a lot more. The result of such deception in extreme cases is clearly quite harmful, but the real problem is widespread, subtle budget inflation, where many organizations pump up their numbers in anticipation of cuts. I believe this type of inflation is equally as harmful. It makes those who are honest and thoughtful about their budgeting less likely to get what they genuinely need and deserve. As a prominent organization on this campus, The Tartan will lead by example. I pledge not to use budget inflation to get our way. The Tartan will submit a fair and accurate budget.

Science & Technology


5 2006 Pittsburgh Auto Show



Also:
Fiber optics' 40th anniversary
How Things Work: Diet pills

Forum

10 GM promoting alternative fuels



Also:
Finally justice in nightclub fire
Veto disregards representative gov't.

Sports


14 Men's lacrosse



Also:
Men's basketball
Women's basketball

Pillbox

8 "Free to the people"



Also:
eWatch silences cell phones
Lunar Gala

Secretary of Education considers standardized tests for college

TESTS, from A1

“When you [take standardized tests] in high school, it’s only to see where you fit into that picture.”

William Elliott, Carnegie Mellon’s vice president for enrollment, agreed. He believes there are several ways to measure students’ progress other than administering a test.

“What about a review of course descriptions?” he asked. “Review grade patterns, review writing samples of submitted coursework, GRE/LAST/MCAT results ... the list goes on.”

What many don’t know, however, is that this is not the first attempt at standardized testing in higher education. Several years ago, the University of Texas instituted standardized testing as a means of assessing students’ performance across nine campuses. To do this, they developed a test called the Collegiate Learning Assessment to administer to all University of Texas students.

In October 2005, when the Commis-

sion on the Future of Higher Education first met under the direction of Secretary of Education Margaret Spellings and chairman of the commission Charles Miller, that test served as a model during discussion of the national test, according to a January 6 article in *The Chronicle of Higher Education*.

Also prominent in the commission’s discussion was the effect of standardized tests on colleges’ affordability. Officials believe that students’ families, who shoulder most of the financial burden of sending their children to college, deserve a more quantitative way to assess the progress of their children compared to students overall, and in turn, assess the quality of the institution to which they are making out their checks.

The test results would also be a way for prospective students and their families to decide if a particular institution is worth the financial investment.

The government would also like to see the progress of the colleges to which it is sending student aid. However,

its interest in standardized testing is more complicated.

According to *The Chronicle of Higher Education*, the commission is interested in making a school’s eligibility for federal funding contingent on standardized testing scores as an incentive for schools to submit to government regulation.

Public universities are most at risk for the mandate because they are funded by state taxes. However, private colleges are also at risk. The accreditation they currently need from the federal government to operate requires them to meet certain standards in order to receive federal grants and financial aid, according to *The New York Times*.

Elliott does not support this type of regulation. “Outcomes should be the key objective, not cost,” he stated.

Another pull is the federal accreditation a school would receive once it agreed to administer the exam. The commission’s theory is that this kind of accreditation would be attractive to the school’s prospective students and create

a more competitive applicant pool.

Elliott noted that, though Carnegie Mellon is a competitive university that would rank highly in this respect, the accreditation would not be an incentive for the University to administer the test.

The commission claimed as an advantage that the test would lend more merit to nontraditional courses, such as those taken online. However, critics argued that it would discount other methods of learning, such as hands-on or firsthand experience in a field.

It would also assume that all students had used the same method of learning, in essence testing a national curriculum.

“The notion of a single exam implies there are national standards, and that implies a national curriculum. Then we are on the way to a centralized Prussian education system,” said David L. Warren, president of the National Association of Independent Colleges and Universities, to *The New York Times*.

The test would also highlight the reasons behind racial gaps, bad literacy test

results, and universities’ continuing failure to graduate enough math and science students to meet the domestic demand for high-tech workers.

The New York Times reported that a 2003 National Assessment of Adult Literacy indicated that less than one-third of surveyed college graduates demonstrated the ability to read complex texts in English and make insightful inferences.

“Professors would start teaching for the test instead of what they thought was important,” Brown said. “The government would ultimately be dictating what we need to learn in college. It’s insulting to the institutions.”

“Colleges have reputations anyway. Why do we need another way to measure that?” asked Karen Doersch, a first-year cognitive science major. “A private institution should be independent from the government.”

The University’s administration agrees. When asked what local reactions might be like if the tests were to be administered, Elliott answered: “Not pleased.”

American students not prepared in math, sciences

PREP, from A1

“Americans catch up, generally, as curriculum continues,” he added.

The Chronicle of Higher Education reported that much of the debate on how to approach this issue has centered on the use of Advanced Placement courses. Spellings emphasized the unfortunate disparities between a high school in a wealthy suburb of Washington, D.C., with more than 20 AP classes, and an inner-city school in Washington with four such classes.

“With the way we ration these courses, you would think we don’t want students to take them,” said Spellings, referring to Advanced Placement math and science courses. She spoke before the Committee on Health, Education, Labor, and Pensions at a February 9 hearing to discuss President Bush’s American Competitiveness Initiative.

Under the initiative, 70,000 new teachers would be trained to teach AP and International Baccalaureate courses in math and science.

“I don’t have much faith in AP exams.... We need people who know how to think, not people who have a set of skills,” Mackey said.

Spellings, on the other hand, spoke in support of the President’s American Competitiveness Initiative, while several senators expressed their concerns.

According to *The Chronicle*, Senator Edward M. Kennedy (D-Mass.) warned that increased spending on Advanced Placement courses might create a greater divide between privileged and needy children, “instead of lifting the whole generation.”

Senator Judd Gregg, (R-N.H.), opposed Kennedy, citing the creation of opportunities for high achievers as a top priority.

Senator Patty Murray (D-Wash.) expressed concerns over the much broader issue of federal financial aid programs.

“You can focus on math all you want,” she said, “but they’re going to say, I’m never going to be able to afford

to go [to college].”

Following on the heels of the committee was a February 13 *Time* Magazine feature, “Are We Losing Our Edge?” In this report, *Time* details America’s decline in the sciences after a half-century of dominance. The report attributed this decline to a gradual, three-decade cutback in federal research and development investment.

According to *Time*, corporations issuing similar cutbacks, seeking quick profits as a result of stockholder pressure, have underpinned the effects of federal cutbacks.

Meanwhile, according to the *Time* report, and as iterated by last week’s hearing, standards seem to have dropped in American elementary and high school math and science education.

“As far as standardized tests, Americans are among the mid-level to bottom,” Mackey said. “The issue is more subtle than that.”

He noted that, in the 14 years he has taught at Carnegie Mellon, American students haven’t gotten worse — they’ve even gotten marginally better. International students, he said, have just excelled more.

Last summer, the National Academies of Sciences and Engineering produced a 505-page report, called “Rising Above the Gathering Storm: Energizing and Employing America for a Brighter Economic Future.” Co-authored by CEOs, Nobel prize winners, university presidents, and distinguished scientists, the report outlined a grim situation in nearly every area of research.

Partisan tug-of-war aside, the *Time* article specifies the ways in which other countries are attracting top scientists, typically after being trained by American universities such as Carnegie Mellon.

The Tartan reported in the December 5 issue that the international student population has been on the rise for the past two years. The Carnegie Institute of Technology receives many of these students, holding 295 of the university’s 2071 international

students.

This rise is in opposition to a national current.

“We are out-trending national trends at CMU. But we’re no longer growing at the breakneck pace as we were before,” said Lisa Krieg, director of the Office of International Education at Carnegie Mellon.

Despite the intellectual diffusion occurring at Carnegie Mellon, *Time* reported that graduates are increasingly attracted by better funding in other countries for job-seeking scientists.

“I am definitely going abroad for work after I graduate,” said Joe Lawrence, a senior physics major. “Everyone in the sciences knows that there is more money overseas for our work.”

Finland, South Korea, Singapore, and especially China have gradually increased focus on sciences, following the lead of the American post-World War II research culture.

With three decades of deficits in this country, research funds are being scaled back across the board. Meanwhile, countries like China have lured 81 percent of its Chinese Academy of Sciences members back from study abroad on the back of a 120 percent increase in science investments from 1999 to 2004.

Steven Chu, director of the Lawrence Berkeley National Laboratory in Berkeley, and a 1997 Nobelist in physics told *Time* that more than simple funding, these countries are “determined to reproduce the spirit of wide-open inquiry that has made U.S. science so appealing and successful.”

“Give me two more hours with a kid a day, and of course they’ll do better in math. But at what expense?” Mackey said.

He questioned the validity of the current non-American teaching models, noting that foreign models often focus on math and sciences, while compromising arts, music, and the humanities.

“Will you have to shortchange them in some areas?”

Campus stores lose money

STORE, from A1

back into the University. She said the shortages hinder events such as textbook giveaways and food samplings, events she and the store managers like to hold when the situation permits.

“We’re here for the students,” said Jim Kownacki, bookstore manager. “I’m sure they appreciate us putting [the money] back into the community.”



Justin Brown/Assistant Photo Editor

Entropy is one of several campus stores that loses considerable money every year.

The bookstore currently increases textbook prices by 25 percent. Kownacki noted if the store switched to a system of closed stacks — a process in which students do not directly access books and clerks retrieve requests manually — the shortages could be cut and increase margins could be lowered to about 22 percent.

However, he said, space constraints make this switch unfeasible.

“We can’t do much more,” Kownacki said. “We don’t want to come off like we don’t trust the students.”

Clifford believes that using a clerk service to access closed textbooks stacks would slow the process down and do less for the campus community. For Clifford, the open shelves benefit the campus more by allowing customers to freely browse and purchase materials outside their study focuses.

“We wanted to build a store that suits everybody’s needs,” said Clifford. “I think to rope that off would be a disservice.”

According to Kownacki, current security

to be suspicious.”

The Computer Store, whose shortages are not included in the \$150,000 mentioned, recently moved into the UC basement with the textbook store. Its position among the hardest-hit section of the University Shoppe does not seem to worry employees.

Sales Consultant Jaison Palermo said the Computer Store has always had a handful of items go missing at each inventory. He notes that small items, like rewritable compact disc packs, usually go missing but that big items, like computers, generally stay put.

“I don’t think it’s really been a huge problem,” Palermo said.

If the level of shortage remains constant for the other three stores, however, consistent but typical losses in the six-digit range will remain as thieves walk away with merchandise.

Despite their consistency, these figures frustrate Clifford.

“[Stealing is] just not the act of a good citizen,” said Clifford.

The Dickson Prize

Dr. Joseph Z. Dickson, a Pittsburgh physician, and his wife, Agnes Fisher Dickson, provided funds in their wills for Carnegie Mellon University to award an annual prize to individuals who make outstanding contributions to science in the United States.

A Howard Hughes Medical Institute investigator, David Haussler directs the Center for Biomolecular Science and Engineering (CBSE) at the University of California, Santa Cruz and is scientific co-director of the California Institute for Quantitative Biomedical Research (QB3). He has done pioneering work in the fields of computational learning theory and bioinformatics.

Haussler is a past chairman of the Steering Committee for the Computational Learning Theory Conferences (COLT), an associate editor for the Journal of Computational Biology, and was an action editor for the journal Machine Learning. He holds a BA in Mathematics from Connecticut College, an MS in Applied Mathematics from California Polytechnic State University, San Luis Obispo, and a PhD in Computer Science from the University of Colorado at Boulder.

Haussler is a fellow of the American Association for the Advancement of Science (AAAS) and the American Association for Artificial Intelligence (AAAI), member of the nominating committee for the International Society for Computational Biology and a member of the American Society of Human Genetics. Haussler received the 2003 ACM/AAAI Allen Newell Award, and R&D Magazine named him “Scientist of the Year” in 2001. He also holds the UC Presidential Chair in Computer Science at the Santa Cruz campus.

Carnegie Mellon

2005 Dickson Prize in Science

Dr. David Haussler

Howard Hughes Medical Institute Investigator

Director, Center for Biomolecular Science and Engineering, UC Santa Cruz

Scientific Co-Director, The California Institute for Quantitative Biomedical Research

Professor of Biomolecular Engineering, UC Santa Cruz

Thursday, March 9, 2006, 4:30 p.m.

AWARD CEREMONY AND LECTURE

Ultraconserved elements, living fossil transposons, and rapid bursts of change: reconstructing the uneven evolutionary history of the human genome

Mellon Institute Auditorium, Mellon Institute, 4400 Fifth Avenue

Reception follows immediately

Mellon Institute Lobby, fourth floor, Mellon Institute

Free and open to the public.

For more information, contact the Carnegie Mellon Office of University Events at 412-268-5052.

Automakers mark 2006 a retro year for new models

by **Albert Lin**
Staffwriter

This year's Pittsburgh International Auto Show was held at the David L. Lawrence Convention Center in the downtown area adjacent to the Strip District. Featuring over 40 carmakers and over 20 individual vendors, the show completely filled the two floors with the best and freshest models on the market today, along with some concept vehicles. There were plenty of offerings from the traditionally economical brands alongside an equal showing of luxury and exotic brands.

The Big Three (Ford, GM, and DaimlerChrysler) presented their top-of-the-line vehicles, including a debut of Ford's Shelby GT500 and Chevrolet's Corvette Z06. Recent financial struggles for all three of these companies have not stopped them from releasing new vehicle lineups, but rather have encouraged them to make business re-evaluations and freshen up their offerings.

Ford's booth highlighted its performance image and drive to deliver powerful, American muscle. The company delved deep into its roots to bring back the Shelby, which is associated with the late-1960s legacy of vehicles that dominated automobile racing. The most noticeable vehicle on display was its Shelby GR1 concept vehicle, which featured an all-aluminum body and was modeled after the Shelsebys of old.

The star of Ford's display was the all-new Shelby GT500, which is based on the new Mustang platform — of which Carnegie Mellon graduate Hau Thai-Tang was chief engineer — and was inspired by the 1960s AC Cobra. The GT500 takes the Mustang GT platform and showers it with subtle styling cues, such as front air splitters, a rear deck spoiler, and Shelby and Cobra emblems all over the car. It shares the 5.4 liter V8 platform found in the Mustang GT and Ford GT, and is supercharged to 475 horsepower with matching torque and linked to a six-speed transmission. An upgraded suspension by Ford's in-house SVT performance group steers the car, and large 14-inch brakes help stop it. Poised to sell at under \$50,000, this special vehicle is sure to fill preorders as soon as they appear. Ford plans to release limited numbers of the GT500 starting this summer.

The Ford GT supercar also made an ap-



J.T. Trollman/Contributing Editor

Ford released its Shelby GR-1 concept in 2005, making it one of the newer elegant concept cars on display at the Pittsburgh Auto Show. A functional model in a full-body chrome finish, the car is run by a 6.4-liter, 605 horsepower V10 engine. Also on display were the 2003 Dodge Kahuna, the 1997 Chrysler Phaeton, and a revised version of the 2002 Jeep Compass concept.

pearance and impressed many with its astounding 550 horsepower and 500 foot-pounds of torque. To put it in perspective, this kind of power accelerates you from zero to 60 mph in about 3.4 seconds, all in first gear, and can outrun Ferraris and Porsches. Ford actually brought the GT to the Technical Opportunities Conference back in fall 2005, and many students were able to experience the thrills of this American legend. Ford also displayed its F-series pickup trucks and economy Focus lineup, each model receiving minor facelifts for the 2006 model year.

Chevrolet came in featuring their new SS concept vehicle and top-of-the-line Corvette Z06. The General Motors company, as well as Ford and Chrysler Group, is launching 2006 as the year to revitalize the retro-styling of the '60s. The not-so-new SSR and HHR models mix old classic styling with modern technology. The SS concept also plays off the mesh of old and

new with its large, exaggerated proportions and smooth aerodynamics. Chevrolet's move towards its roots in American muscle car history carries over into its classic American sports car, the Corvette. The new Corvette debuted in the 2005 model year and has projector headlamps for the first time. (Previous generations all had pop-up headlamps.) The Corvette comes with a newly developed LS7 V8 engine, which is the most powerful engine GM Group has ever offered, and on the Z06, that means 500 horsepower mated to a six-speed transmission and 0–60 in under four seconds.

That's some serious power. In fact, many say the Z06 is the best-kept secret amongst supercars, as its base price of just under \$66,000 is a bargain relative to its peers, the Ford GT and Dodge Viper SRT-10. The new body style also updates the Corvette's aggressive demeanor and hints at the Sting Ray Corvettes of the '60s with its truncated

and raised back end.

The Cobalt shared some spotlight in Chevy's booth. The Cobalt comes as the direct replacement of the Cavalier, Chevrolet's economy car. It has a better visual appeal than the dated Cavalier and comes in many trim lines, of which the SS supercharged version is the most potent. The variety of the Cobalt models reflects General Motors' efforts to appeal to a wider audience, especially with the growing interest for inexpensive, reliable vehicles.

Chrysler Group's exhibition showed off its new Dodge lineup, showcasing the new SRT Chargers. The SRT name indicates the in-house tuning division for Dodge on its high-performance vehicles. The SRT Chargers have rolled fresh off the assembly lines. The retro trend is again apparent with Dodge, as

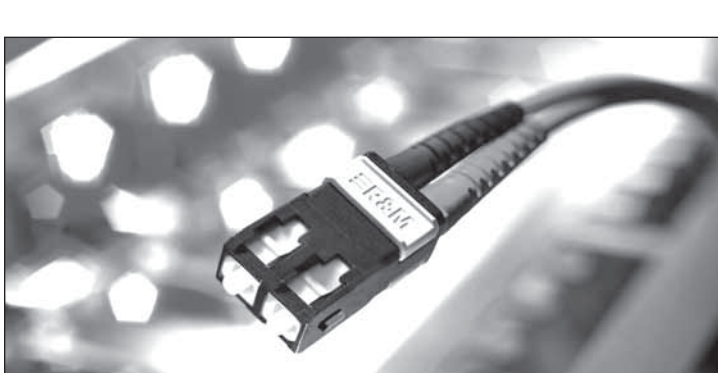
See CARS, page A6

Fiber optics celebrates 40th anniversary with new innovations

by **Jaisen Bell**
Staffwriter

Happy 40th! That's right, fiber optics technology is over the hill. Not retiring or fizzling out, this technology continues to improve with age and is still a driving force in the ways in which we make telephone calls, watch cable TV, and use the Internet.

Before fiber optic technology was developed, electronic communication was conducted over copper lines with information passed via electrons. The inefficiencies associated with copper



Courtesy of www.wonderquest.com

technology over long distances spawned the need for something better.

In 1966, two engineers at Standard Telecommunication Laboratories, Charles Kao and George

Hockham, toyed with the idea that glass fibers could be used to transfer information by light. Thus began fiber optics and the eventual ability to transmit terabits of information per second.

Meanwhile, Carnegie Mellon was in the process of developing its new computer science PhD program. This time period represented an advent of technology and acted as a prelude to the future and the continued maturation of technology and global communication.

"The ability to transfer information via photons through fiber optical cable has allowed for

an incomparable speed to be reached over the conventional electron transfer method," said Joseph Laws, a graduate student in electrical and computer engineering.

As fiber optics technology developed, companies began to lay undersea cable, leading to the almost instantaneous transmission of data across the oceans.

"During the tech boom of the late 1990s, many people invested heavily in a fiber optic infrastructure with the

See OPTICS, page A6

How Things Work: Diet Pills

Kathy Chiapaikao

"Melt away those pounds!" "Lose 30 pounds in 30 days!" "Control your appetite!" In society today, self-image is greatly emphasized. Magazines and television shows advertise slim, sexy-looking bodies. In addition, with more than 60 percent of Americans overweight or obese, losing weight quickly sounds more enticing and easier than diet or exercise.

There are many kinds of diet pills. Appetite suppressants, such as sibutramine or phentermine, affect the hypothalamus, which regulates appetite. These suppressants block the reuptake of serotonin and norepinephrine. The chemicals accumulate in your brain after you eat a big meal and cause you to feel full. Certain diet pills block the hormone ghrelin, which is sent by the stomach to the brain to stimulate hunger. Other diet pills mimic Peptide YY3-36 (PYY) hormone, which tells the brain that the stomach is full.

Weight-loss supplements can utilize different ingredients to aid in dieting. Herbal ephedra, caffeine, guarana, and country mallow increase the body's metabolism. Guar gum, gluco-

mannan, and psyllium cause a "full" feeling. Hydrocitric acid, green tea, conjugated linoleic acid, and pyruvate slow down fat production. Chitosan, also known as chitin, blocks fat from being absorbed.

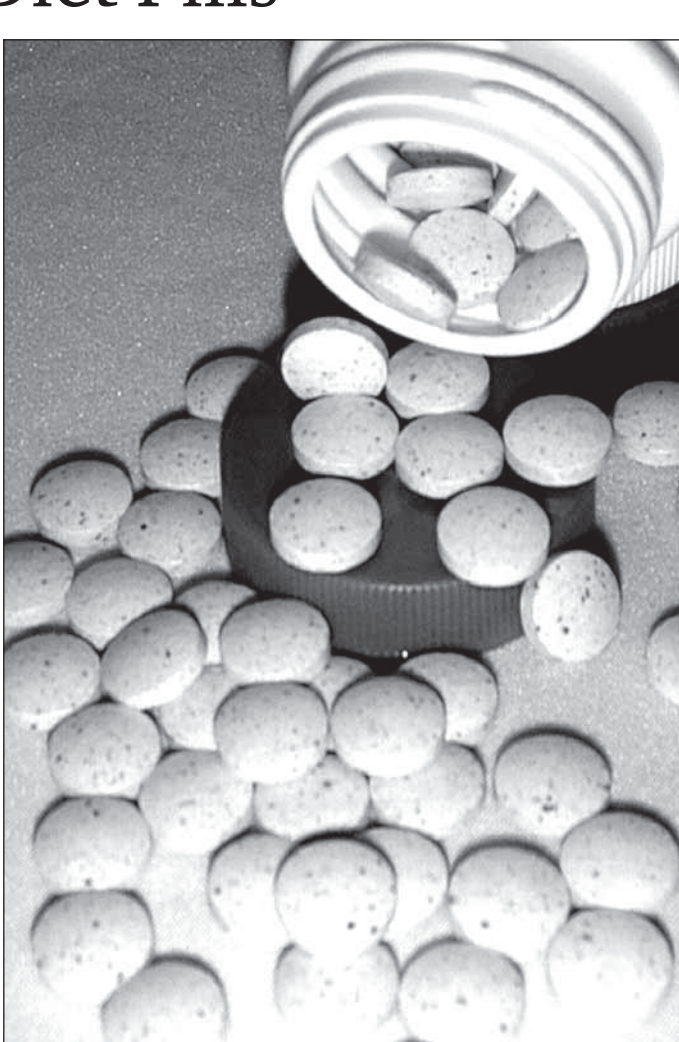
There are also prescription fat blockers, which inhibit the action of the lipase enzyme. This enzyme breaks down the fat in foods we eat. When this enzyme is inhibited, ingested fat is removed from the body instead of being broken down and absorbed. Orlistat (Xenical) is a diet pill that works in the gastrointestinal tract, blocking the lipase enzyme. Up to one third of the fat consumed will accumulate in the intestines and be excreted.

Ephedra and caffeine was once an extremely powerful but dangerous combination used in diet pills. The caffeine increased metabolism by increasing the breakdown of fatty acids, and the ephedrine reduced appetite by acting on the hypothalamus. Since late 2003, the FDA has banned all ephedra-containing drugs because of ephedra's links to heart attacks. Now, ephedra is being replaced with vitamins like thiamin, riboflavin, and folic acid, which also increase en-

ergy and metabolism.

There are many side effects of using diet pills. Appetite suppressants stimulate the sympathetic nervous system and cause blood pressure and heart rate to rise. Minor side effects include headache, dry mouth, and insomnia. Certain pills, like the pills that block the action of lipase enzymes, reduce the body's absorption of essential fat-soluble vitamins A, D, E, and K, and other nutrients. In addition, "herbal" does not imply "safe" or "healthy." Some fat-burning herbs contain ingredients that have diuretic properties; they cause water loss, not fat loss. When the numbers on the scale go down, you haven't lost weight: you've just lost water.

Do diet pills really work? Most diet pills have been shown to help dieters lose a couple pounds over a short period of time — usually six months or less. After a while, the body develops a tolerance to the drugs' effects. These drugs are also only effective if you continue to eat healthy and exercise. Diet pills are mainly designed for those suffering obesity. Nowadays, they are used to replace exercise and healthy eating.



Courtesy of worldnews.org

SciTechBriefs

Japanese police raid over bioweapons fear

Police in Japan have raided two firms on suspicion of illegally selling equipment to North Korea that could be used to make biological weapons. The Tokyo companies are suspected of exporting equipment in 2002 that could cultivate the germs used in such weapons. The two unnamed companies were reported to have sent their exports to North Korea via Taiwan. The companies are suspected of infringing the Foreign Exchange and Foreign Trade Control Law, under which exporters need to apply for a government license before selling such items abroad.

Source: BBC

Latest Mac OS warns hackers with poem

Apple Computer, Inc., has resorted to a poetic broadside in the inevitable cat-and-mouse game between hackers and high-tech companies. The maker of Macintosh computers had anticipated that hackers would try to crack its new OS X operating system built to work on Intel chips and run pirated versions on non-Apple computers. So, Apple developers embedded a warning deep in the software — in the form of a poem. A copy of it has been circulating on Mac-related Web sites this week.

Apple confirmed Thursday that it has included such a warning in its Intel-based computers since it started selling them in January. The embedded poem reads: "Your karma check for today: There once was a user that whined/his existing OS was so blind/he'd do better to pirate/an OS that ran great/but found his hardware declined./Please don't steal Mac OS!/Really, that's way uncool./(C) Apple Computer, Inc." Apple also put a separate hidden message, "Don't Steal Mac OS X.kext," in another spot for would-be hackers.

Source: CNN

Mobile operators set sights on last frontier

A new generation of mobile networks, built out of boxes no bigger than microwave ovens, is extending the reach of traditional networks formed by base stations, satellites, and masts to places not worth the attention of big operators. At this week's 3GSM wireless trade show in Barcelona, a crop of start-up and more established firms showed off technology that can be packed up and carried off to just about anywhere to connect hundreds of people at a time. Companies expanding into this niche but growing market include Israel-based Alvarion, better known for its WiMax broadband wireless technology.

Source: Reuters

China defends right to police Internet

China on Thursday defended its right to police the Internet, one day after the four American technology giants — Microsoft Corp.; Yahoo, Inc.; Cisco Systems, Inc.; and Google, Inc. — appeared before Congress on charges that they collaborated with Beijing to crush free speech online in return for market access. "It is normal for countries to manage the Internet in accordance with law and to guide its development in a healthy and orderly fashion," Chinese Foreign Ministry spokesman Qin Gang said. "China has also borrowed and learned from the United States and other countries in the world." While China encourages use of the Internet for business and education, it strictly monitors the Web and censors anything it considers critical of or a threat to the ruling Communist Party.

Source: Associated Press

Experiment of the Week: Dark matter brought to new light by Cambridge

by **Siobhan Toal**
Junior Staffwriter

Scientists have been plagued with the problem of proving the facts that explain theory for many centuries. Until recently, one of the key issues in astronomy, the existence of dark matter, has been greatly debated. This great debate has been due to a lack of evidence supporting dark matter theory. Dark matter, as implied by the name, refers to particles of unknown composition that can't be visibly seen or analytically detected due to their lack of electromagnetic radiation emission or light reflection. Then why, one might ask, is there reason to believe this dark matter really exists? The answer is simple — although dark matter cannot be detected directly, its presence can be deduced from the otherwise unexplainable gravitational effects of stars and galaxies in space. This hypothetical explanation was first conjured up by Swiss astrophysicist Fritz Zwicky in 1933, and has been debated ever since. The presence of this material can



According to the research group's findings our galaxy, the Milky Way, would be much larger than originally thought when taking into account dark matter corrections.

only be inferred from inconsistencies with gravitational effects of galaxy orbits. The way that galaxies rotate, for example, defies Einstein's general theory of relativity. Stars move so fast that they should, if they stick to relativity laws, fly far apart. Instead, what is observed seems to indicate the

existence of extra, unseen mass that creates adequate gravitational attraction for the stars to remain intact in orbit. For more information on dark matter and dark energy, read our previous article, "How Things Work: Dark energy" at The Tartan Online. Although some scientists dis-

agree on the range, many believe that dark matter would make up approximately 80 to 90 percent of the matter in the universe. Many scientists agree that dark matter is the best explanation for inconsistencies with gravitational-mass problems; however, there has been no take-home proof of these particles until now. Recently, a group of scientists from the University of Cambridge published a statement saying that they were able, for the first time, to analyze some of the physical properties of the mysterious dark matter. This team, led by professor Gerry Gilmore, has been working on the dark matter problem since 2003. The Cambridge team did much of their research using the Very Large Telescope facility, located in Chile. This facility contains a system of four of the largest optical telescopes in the world. Using these facilities, the group was able to observe and analyze a number of small galaxies that lie just outside our very own Milky Way galaxy. Through the Cambridge team's observations, they were able to create various maps of these galaxies and calculate the move-

ment of their stars. The intricate part of their research was the creation of thousands of these 3-D galaxy maps. With these maps, it was possible for them to outline the existence of dark matter in galaxies. Eventually, after taking more than 7000 separate measurements, the team was able to calculate the mass of the mystery matter. The mass determined, referred to by Gilmore as having a "magic volume," corresponds to an amount that is 30 million times the mass of the sun. From this information, the group was able to determine the speed of the particles to be 9 km/s and the temperature to be somewhere around 10,000° C — much hotter than the sun's surface! Gilmore regards his team's research as an ongoing search into the truth of our universe. "The most interesting aspect of this research is not what we have measured — rather, I find it remarkable, and humbling, that we are able to identify and study the reality which is the universe, even though that reality is so very different from that which we see every day," said Gilmore. The Cambridge team hopes to submit



Research took place at the Very Large Telescope facility located in Chile's Atacama Desert. This telescope is the world's largest optical telescope.

their results to an astrophysics journal sometime soon. These research findings, if reproducible, will have an enormous effect on how astronomers view the universe. The existence of dark matter will allow for a more complete and accurate depiction of galaxy structure and composition. Dark matter may literally change our universe.

2006 Pittsburgh International Auto Show



J.T. Trollman/Contributing Editor

CARS, from A5

they brought back the Charger in 2005 as an affordable sedan and now have returned the car to its original racing glory with the Daytona R/T and SRT versions. These two manifestations put Dodge back into the muscle car category of the vehicle market and with the new Challenger concept, they are surely going places in 2006 and 2007. Let's not forget the car that revitalized Chrysler. The 300C was displayed in full force with a Hemi V8 powerhouse and an upgraded DUB edition. The critically acclaimed model debuted in 2005 and has the looks of an expensive European brand, representing the affordability of a sporty sedan. Experts on celebrity lifestyle DUB Magazine created a 300C with lots of bling, but the most exciting feature was the air-ride suspension (commonly called hydraulics), allowing drivers to adjust the ride height within seconds.

The variety of vehicles presented by the Big Three at the show was impressive. Cadillac, Lincoln, Saturn, and Pontiac also had new vehicle debuts, including the Cadillac STS V, Lincoln Zephyr, Saturn Sky, and Pontiac Solstice, all of which attracted a lot of attention from showgoers. Imported European and Asian brands also offered exceptional automobile models. You can catch them in next week's continuation, so be sure to pick up a copy!

Optical innovations

OPTICS, from A5

expectation of increased bandwidth needs," said Richard Allison, a graduate electrical and computer engineering student. "The Robert L. Preger Intelligent Workplace here at Carnegie Mellon has fiber optic lines that run all the way to the outlets at the workstations." Allison explained, however, that "with the dot-com bubble burst and increasing efficiency in communication protocols, the demand has flatlined and a large amount of installed fiber optic cable goes unused to this day." As a result, the cost of using fiber optics has become very affordable. It is just a matter of increasing the infrastructure for people to tap into it.

New innovations are spreading to other parts of electronics. It is theorized that fiber optics technology may be utilized in the future for computational processing. "Multiple efforts are underway to use the same technology in fiber optics to perform computations. The key element is using light waves to store information," stated Laws. Fiber-optic interconnection networks can be used for various signal processing applications, including transmitting real-time data from servers to individual computer users. If light can be used, given its negligible mass and demon-



Courtesy of www.wonderquest.com

Fiber optic cables.

strated efficiency, the speed of computations could increase while decreasing the size of the processor. Fiber optics technology is a promising alternative. "Once this process is mastered we will have much higher data throughput," said Laws. At present, Intel, IBM, and many smaller startup companies are attempting to create silicon-based semiconductors to control and create light waves. Laws concluded, "With this vested interest, [fiber optics] should continue to develop and drive the future of computations and communications."

Pittsburgh Pattern Recognition

PittPatt, a spin-off from the Robotics Institute at Carnegie Mellon, is the world leader in software for analyzing and interpreting photographs and video. We seek software engineers to develop products for both commercial and government applications. Expectations are high: ideal candidates must demonstrate a strong academic record, attention to detail, proven ability to work successfully on group projects, and a strong desire to learn new skills. Applicants should have a background in Applied / Engineering Mathematics, Electrical and Computer Engineering, Computer Science, or a related field; and hold a B.S. or M.S. in software development.

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Deadline for applications is February 28, 2006.

Research Profiles: Biology

by **Disha Shah**
Staffwriter

Have you ever wondered how the learning process occurs or how memory works? What exactly goes on in the brain that helps us do these things? The brain is one of the most intriguing structures of the human anatomy. However, very little is known about it. Jay McClelland, the Walter Van Dyke Bingham Professor of Psychology and Cognitive Neuroscience at Carnegie Mellon, is currently trying to address a few cognitive neuroscience issues in learning, memory, and language at an abstract neurocomputational level. Language learning is often very difficult. Learning and actively practicing vocabulary, grammar, and sentence formations are critical. Have you ever wondered why you did not have to go through this tedious routine to learn your mother tongue or native language? You just "knew it." McClelland's lab is involved in a project that tries to learn the development of language and the sensitive period in which language learning is accomplished. He also attempts to understand why people fail to distinguish between sounds that are not used in their spoken language. For example, Japanese adults are often incapable of distinguishing between the *l* and *r* sounds. Some approaches suggest this inability is caused by a simple switching-off of learning about speech sounds as a function of age or pu-



Courtesy of Jay McClelland
CMU Professor Jay McClelland

berty. McClelland's view is that the switching-off is the result of learning. As the child develops in his or her native language environment, the unused sounds cause certain neurons to be incapable of firing. On the other hand, as a particular sound is used frequently, the connections between the neurons become stronger. As McClelland put it, "As an individual grows, the production and processing of new sounds becomes difficult. But my students and I continue to hope that we can find new ways to rewire the necessary connections." Other aspects of McClelland's research include trying to understand the processing of memory and the ability of individuals to differentiate between objects. For example, what constitutes a person's ability to distinguish between a cat and a tiger? Experiments are currently being done on patients whose ability to make a distinction between different objects is lost. Such patients suffer from semantic dementia, a degen-

erative disease seen in people over the age of 50. These patients are made to take a "pyramids and palm trees" test where they are asked to distinguish between 400 different pictures. Since this process of inability to distinguish is a gradual one, the ability to tell the difference between similar objects is first lost. For example, patients first lose the ability to distinguish between two birds and, as the disease progresses, they could even fail to tell an elephant apart from a dog. In the lab, there is a computerized simulation of the brain which attempts to understand the cause of this disorder by temporal lobe atrophy. This is not due to impaired vision. When the patients are asked to copy objects that represent animals, they copy them just fine. If the object is taken away, however, they are unable to draw a picture which resembles the animal. This disease is different from Alzheimer's disease in that it is a "presentation of the knowledge" that is impaired. So where does all this research lead us? "We are trying to establish a useful framework for understanding developmental processes," said McClelland. His lab is trying to develop a "conceptual representation" of the brain that may be useful in addressing other questions regarding its structural functions. "My own role in this research will be to try to understand better how different parts of the brain work together when we think and learn," said McClelland. This will be useful in helping people with other disorders and diseases such as autism.

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SPRING 2006 SEMESTER

Final exams are scheduled by course number; therefore all sections for a particular course will have their final exams on the same day unless it is noted in the schedule.

The University final exam policy can be found at this website: <http://www.cmu.edu/policies/documents/Exams.htm>

Faculty and administration reserve the right to cancel a final exam. Therefore, prior to confirming travel arrangements, please contact your instructor(s) to verify the date and time of your exam.

For further information on exam cancellations, changes, or classroom assignments, please refer to the Enrollment Services website: <http://www.cmu.edu/hub>

Questions concerning the University exam policy or its intent should be directed to Indira Nair, vice-provost for education.

SPRING 2006 MINI-3 EXAM SCHEDULE

Biological Sciences	03101 B3	BSC FIRST YEAR SEMNR	Tues. March 7 1:30-3:00p.m.	MI 355
Chemistry	09604 A3	INTRO CHEM KINETICS	Fri. March 10 1:00-4:00p.m.	MI 448
Civil Engineering	12721 A3	ENVIRON BIOTECH PRIN	Fri. March 10 1:00-4:00p.m.	PH A19
Mathematical Sciences	21123 13	CALCULUS APPROXIMATN	Fri. March 10 8:30-11:30a.m	PH 100
Mechanical Engineering	24731 A3	CONDUCTV HEAT TRANFR	Fri. March 10 1:00-4:00p.m.	SH 219
Software Engineering	17660 A3	WEB APPLCTN DEVLPMNT	Tue. March 7 3:00-6:00p.m.	DH 121 with 46864 A3
	17668 A3	COMPUTER NETWORKING	Fri. March 10 5:30-8:30p.m.	WEH 6423 with 46862 A3
	17749 A3	MBL & PERVASV COMMRC	Fri. March 10 1:00-4:00p.m.	WEH 8427
History	79244 A3	PITT & TRF MD UR AM	Fri. March 10 8:30-11:30a.m.	PH A18C

SPRING 2006 SEMESTER AND MINI-4 EXAM SCHEDULE

Biological Sciences				
03121 A	MODERN BIOLOGY	Thu. May 11 5:30p.m.- 8:30p.m.	TBD	
03121 B	MODERN BIOLOGY	Mon. May 8 5:30p.m.-8:30p.m.	TBD	
03130 A	BIOLOGY OF ORGANISM	Tue. May 16 1:00p.m.-4:00p.m.	TBD	
03232 1	BIOCHEMISTRY I	Thu. May 11 5:30p.m.- 8:30p.m.	TBD	
03240 A	CELL BIOLOGY	Fri. May 12 1:00p.m.- 4:00p.m.	TBD	
03310 A	INTRO COMPUT BIOLOGY	Tue. May 16 1:00p.m.-4:00p.m.	TBD	
03390 A	MOLECULAR CELL IMMUN	Thu. May 11 08:30a.m.-11:30a.m.	TBD	
03441 A	MOL BIO PROKARYOTE	Fri. May 12 5:30p.m.- 8:30p.m.	TBD	
03450 A	CELL & GENE MECHANSM	Mon. May 15 8:30a.m.-11:30a.m.	TBD	
03510 A	COMPUTATNL BIOLOGY	Tue. May 16 1:00p.m.-4:00p.m.	TBD	
03512 A	CPTL MTH BIO MDL SIM	Tue. May 9 8:30a.m.-11:30a.m.	TBD	
03710 A	COMPU BIOLOGY UP LVL	Tue. May 16 1:00p.m.-4:00p.m.	TBD	
03712 A	CPTL MTH BIO MDL SIM	Tue. May 9 8:30a.m.-11:30a.m.	TBD	
03715 A	ADV ALGTHMS COMP BIO	Thu. May 11 08:30a.m.-11:30a.m.	TBD	

Human-Computer Interaction				
05395 A	AP COG SCIENCE	Thu. May 11 08:30a.m.-11:30a.m.	TBD	
05430 A	PRGMG USABLE INTFCE	Mon. May 15 1:00p.m.-4:00p.m.	TBD	
05571 A	UNGERGRAD PROJ HCI	Fri. May 12 5:30p.m.- 8:30p.m.	TBD	
05630 A	PRGMG USABLE INTFCE	Mon. May 15 1:00p.m.-4:00p.m.	TBD	
05795 A	AP COG SCIENCE	Thu. May 11 08:30a.m.-11:30a.m.	TBD	
05899 A	SPECIAL TOPICS	Tue. May 16 1:00p.m.-4:00p.m.	TBD	

Chemical Engineering				
06100 A	INTRO TO CHEM ENGR	Tue. May 16 8:30a.m.-11:30a.m.	TBD	
06261 A	FLUID MECHANICS	Mon. May 8 1:00p.m.-4:00p.m.	TBD	
06262 A	MATH MTHDS CHEM ENGR	Fri. May 12 8:30a.m.-8:30p.m.	TBD	
06361 A	UNIT OP CHEMICAL ENG	Mon. May 15 5:30p.m.-8:30p.m.	TBD	
06362 A	CHEM ENG PROCSS CTRL	Fri. May 12 5:30p.m.- 8:30p.m.	TBD	
06363 1	TRANSPORT PROCSS LAB	Mon. May 8 1:00p.m.-4:00p.m.	TBD	
06607 A	PHYS CHEM COLL SURF	Tue. May 9 5:30p.m.-8:30p.m.	TBD	
06714 A	SURFACES & ABSORPTN	Fri. May 12 8:30a.m.-11:30a.m.	TBD	
06720 A	ADV PROC.SYS ENGIN	Tue. May 9 1:00p.m.-4:00p.m.	TBD	
06771 A	LINEAR SYSTEMS	Mon. May 8 5:30p.m.-8:30p.m.	TBD	

Chemistry				
09104 A	FUND ASPECT ORG CMY	Mon. May 15 5:30p.m.-8:30p.m.	TBD	
09105 1	INTRO MOD CHEMISTRY I	Thu. May 11 1:00p.m.- 4:00p.m.	TBD	
09106 1	MODERN CHEMISTRY II	Mon. May 15 5:30p.m.-8:30p.m.	TBD	
09214 A	PHYSICAL CHEMISTRY	Tue. May 9 1:00p.m.-4:00p.m.	TBD	
09218 1	ORGANIC CHEMISTRY II	Tue. May 9 8:30a.m.-11:30a.m.	TBD	
09221 1	LAB I: INTR CHMY ANL	Thu. May 11 1:00p.m.- 4:00p.m.	TBD	
09322 1	LAB IV:MOLE SPC DSGN	Mon. May 8 5:30p.m.-8:30p.m.	TBD	
09345 1	PHYSCL CHEM THERMO	Fri. May 12 5:30p.m.- 8:30p.m.	TBD	
09348 1	INORGANIC CHEMISTRY	Mon. May 15 5:30p.m.-8:30p.m.	TBD	
09510 A	INTRO TO GREEN CMSTY	Thu. May 11 1:00p.m.- 4:00p.m.	TBD	
09519 A	BIOORGNIC CHEMISTRY	Fri. May 12 8:30a.m.-11:30a.m.	TBD	
09612 A4	INTRO QUANTM CHMSTRY	Tue. May 9 1:00p.m.-4:00p.m.	TBD	
09710 A	INTRO TO GREEN CMSTY	Thu. May 11 1:00p.m.- 4:00p.m.	TBD	
09719 A	BIOORGNC CHEMISTRY II	Fri. May 12 8:30a.m.-11:30a.m.	TBD	

Center for Automated Learning and Discovery				
10701 A	MACHINE LEARNING	Fri. May 12 5:30p.m.- 8:30p.m.	TBD	

Language Technology Institute				
11741 A	INFO RETRIEVAL	Tue. May 9 1:00p.m.-4:00p.m.	TBD	

Civil and Environmental Engineering				
12100 A	INTRO CIV & ENV ENG	Mon. May 15 5:30p.m.-8:30p.m.	TBD	
12235 A	STATICS	Tue. May 16 1:00p.m.-4:00p.m.	TBD	
12335 A	SOIL MECHANICS	Mon. May 15 8:30a.m.-11:30a.m.	TBD	
12355 A	FLUID MECHANICS	Tue. May 9 1:00p.m.-4:00p.m.	TBD	
12604 A	SP TP TRANSPORTN ENG	Tue. May 16 8:30a.m.-11:30a.m.	TBD	
12631 A	STRUCTURAL DESIGN	Tue. May 16 8:30a.m.-11:30a.m.	TBD	
12658 A	HYRAULIC STRUCTURES	Mon. May 8 5:30p.m.-8:30p.m.	TBD	
12715 A4	SUSTAINBLE CASE STUD	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
12716 A4	SP TP ADV LIFE ASSMT	Thu. May 11 08:30a.m.-11:30a.m.	TBD	
12724 A4	BIOTECH APP ENG SYS	Mon. May 8 1:00p.m.-4:00p.m.	TBD	

Information Networking Institutue				
14731 A	NETWORK SECURITY	Mon. May 15 8:30a.m.-11:30a.m.	TBD	
14733 A	APPLD CRYPTOGRAPHY	Tue. May 9 5:30p.m.-8:30p.m.	TBD	
14761 A	APPLD INFO ASSURANCE	Fri. May 12 5:30p.m.- 8:30p.m.	TBD	
14761 J	APPLD INFO ASSURANCE	Fri. May 12 5:30p.m.- 8:30p.m.	TBD	
14842 A	DISTRBUTED SYSTEMS	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
14842 G	DISTRBUTED SYSTEMS	Mon. May 8 8:30a.m.-11:30a.m.	TBD	

Computer Science				
15100 A	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 B	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 C	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 D	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 E	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 F	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 G	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 H	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 I	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 J	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 K	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 L	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 M	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 N	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 O	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 P	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 Q	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 R	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 S	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15100 T	INTRO INTERM PRGMNG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15105 B	PRINCIPLES COMPUTATN	Mon. May 8 1:00p.m.-4:00p.m.	TBD	
15111 A	INTERM ADVAN PRGMING	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15111 B	INTERM ADVAN PRGMING	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15195 A	B COMM FOR TECH PROS	Fri. May 12 5:30p.m.- 8:30p.m.	TBD	
15200 A	ADV PROGRAMNG PRACTCM	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15200 B	ADV PROGRAMNG PRACTCM	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15200 C	ADV PROGRAMNG PRACTCM	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15200 D	ADV PROGRAMNG PRACTCM	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15200 E	ADV PROGRAMNG PRACTCM	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15200 F	ADV PROGRAMNG PRACTCM	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15200 G	ADV PROGRAMNG PRACTCM	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15200 H	ADV PROGRAMNG PRACTCM	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15211 1	FUND DATA STRUCT ALG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15211 2	FUND DATA STRUCT ALG	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
15212 1	PRINCIPLES PROGRAMMG	Tue. May 9 5:30p.m.-8:30p.m.	TBD	
15213 1	INTRO COMP SYSTEMS	Mon. May 8 1:00p.m.-4:00p.m.	TBD	
15251 1	THEORTCAL IDEAS CS I	Tue. May 16 1:00p.m.-4:00p.m.	TBD	
15295 1	SPECIAL TOPIC	Tue. May 9 8:30a.m.-11:30a.m.	TBD	
15312 1	FNDTNS PROGRAMG LANG	Tue. May 9 5:30p.m.-8:30p.m.	TBD	
15317 1	SPECIAL TOPIC	Tue. May 16 8:30a.m.-11:30a.m.	TBD	
15359 1	SPECIAL TOPIC	Thu. May 11 08:30a.m.-11:30a.m.	TBD	
15381 A	ARTFL INT REP PR SLV	Fri. May 12 8:30a.m.-11:30a.m.	TBD	
15385 A	COMPUTER VISION	Tue. May 9 1:00p.m.-4:00p.m.	TBD	
15391 1	TECH CONSULT COMUNTY	Thu. May 11 1:00p.m.- 4:00p.m.	TBD	
15394 A	SPECIAL TOPIC	Thu. May 11 1:00p.m.- 4:00p.m.	TBD	
15397 A	SPECIAL TOPIC	Mon. May 8 1:00p.m.-4:00p.m.	TBD	
15410 A	OP SYS DESIGN & IMPL	Mon. May 8 8:30a.m.-11:30a.m.	TBD	

15415 1	DATABASE APPLICATNS	Tue. May 9 1:00p.m.-4:00p.m.	TBD
15441 A	COMPUTER NETWORKS	Thu. May 11 5:30p.m.- 8:30p.m.	TBD
15451 1	ALGORITHM DES & ANLS	Mon. May 8 8:30a.m.-11:30a.m.	TBD
15462 A	COMPUTER GRAPHICS	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
15465 A	ANIMATION ART TECH	Tue. May 16 8:30a.m.-11:30a.m.	TBD
15498 A	SPECIAL TOPIC	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
15503 A	SPECIAL TOPIC	Mon. May 8 1:00p.m.-4:00p.m.	TBD
15507 A	SPECIAL TOPIC	Tue. May 9 8:30a.m.-11:30a.m.	TBD
15610 1	ENG CMPLX LG CMP SYS	Thu. May 11 1:00p.m.- 4:00p.m.	TBD
15637 A	SPECIAL TOPIC	Mon. May 8 1:00p.m.-4:00p.m.	TBD
15685 A	COMPUTER VISION	Tue. May 9 1:00p.m.-4:00p.m.	TBD
15744 A	COMPUTER NETWORKS	Tue. May 16 1:00p.m.-4:00p.m.	TBD
15745 A	OPTMZ Cmplr MOD ARCH	Mon. May 15 8:30a.m.-11:30a.m.	TBD
15750 A	GRADUATE ALGORITHMS	Thu. May 11 08:30a.m.-11:30a.m.	TBD
15781 A	MACHINE LEARNING	Tue. May 9 8:30a.m.-11:30a.m.	TBD
15812 A	SEMNTCS PROGRM LANGS	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
15819 I	SP TPC SOFTWR SYSTMS	Thu. May 11 08:30a.m.-11:30a.m.	TBD
15826 A	MLTMEDIA DB & DMING	Fri. May 12 8:30a.m.-11:30a.m.	TBD
15849 E	ADV TPCS CMPTR SYSTM	Thu. May 11 08:30a.m.-11:30a.m.	TBD
15859 B	SPC TPCS IN THEORY	Tue. May 16 1:00p.m.-4:00p.m.	TBD
15859 P	SPC TPCS IN THEORY	Mon. May 8 1:00p.m.-4:00p.m.	TBD
15869 C	SP TPCS IN GRAPHICS	Mon. May 15 8:30a.m.-11:30a.m.	TBD
15871 A	CMP MTHD BIO MODELNG	Tue. May 9 8:30a.m.-11:30a.m.	TBD

Robotics				
16299 A	INTRO FEEDBK CTL SYS	Thu. May 11 08:30a.m.-11:30a.m.	TBD	
16311 A	INTRO TO ROBOTICS	Tue. May 9 1:00p.m.-4:00p.m.	TBD	
16506 A	SPECIAL TOPICS	Mon. May 15 8:30a.m.-11:30a.m.	TBD	
16722 A	SENSING & SENSORS	Mon. May 15 8:30a.m.-11:30a.m.	TBD	
16850 A	SYSTEMS ENGINEERING	Thu. May 11 08:30a.m.-11:30a.m.	TBD	

Software Engineering				
17500 A	USABLE PRVCY SECRTY	Tue. May 16 1:00p.m.-4:00p.m.	TBD	
17550 A	VERY LARGE INFO SYS	Tue. May 16 1:00p.m.-4:00p.m.	TBD	
17754 A	ANLYS SFTWR ARTIFACT	Mon. May 8 1:00p.m.-4:00p.m.	TBD	
17773 A4	MGMENT SOFTWARE DEVL	Thu. May 11 08:30a.m.-11:30a.m.	TBD	
17802 A	DATA PRIVACY	Thu. May 11 1:00p.m.- 4:00p.m.	TBD	

Electrical and Computer Engineering				
18100 1	INTRO ELEC COMP ENGR	Mon. May 15 5:30p.m.-8:30p.m.	TBD	
18202 1	MATH FNDTN ELEC ENGR	Tue. May 16 8:30a.m.-11:30a.m.	TBD	
18220 1	FUND OF ELEC ENGR	Tue. May 9 8:30a.m.-11:30a.m.	TBD	
18240 1	FUND OF COMPUT ENGR	Mon. May 15 5:30p.m.-8:30p.m.	TBD	
18310 1	FUND SEMICONDTOR DEV	Mon. May 15 1:00p.m.-4:00p.m.	TBD	
18321 1	ANAL/DES ANALOG CIRC	Thu. May 11 08:30a.m.-11:30a.m.	TBD	
18340 1	DIGITAL COMPUTATION	Thu. May 11 1:00p.m.- 4:00p.m.	TBD	
18341 A	LOG DES SIM SYN VER	Fri. May 12 5:30p.m.- 8:30p.m.	TBD	
18396 1	SIGNALS AND SYSTEMS	Fri. May 12 8:30a.m.-11:30a.m.	TBD	
18402 A	APPLIED ELECTRODYNMC	Mon. May 15 8:30a.m.-11:30a.m.	TBD	
18410 A	PHYSICAL SENSORS	Tue. May 9 5:30p.m.-8:30p.m.	TBD	
18447 1	INTRO COMPUTER ARCH	Mon. May 8 1:00p.m.-4:00p.m.	TBD	
18474 1	EMBED CONTROL SYSTMS	Tue. May 16 1:00p.m.-4:00p.m.	TBD	
18487 A	INTRO CMP NTWRK SCTY	Fri. May 12 1:00p.m.- 4:00p.m.	TBD	
18517 1	DA STOR SYS DES PROJ	Mon. May 8 1:00p.m.-4:00p.m.	TBD	
18731 A	NETWORK SECURITY	Mon. May 15 8:30a.m.-11:30a.m.	TBD	
18733 A	APPLIED CRYPTOGRAPHY	Tue. May 9 5:30p.m.-8:30p.m.	TBD	
18742 A	MULTIPROCESSR ARCH	Tue. May 9 5:30p.m.-8:30p.m.	TBD	
18753 A	INFRMTN THRY & CODNG	Tue. May 9 5:30p.m.-8:30p.m.	TBD	
18771 A	LINEAR SYSTEMS	Mon. May 8 5:30p.m.-8:30p.m.	TBD	
18817 A	FUND SEMICOND NANOST	Mon. May 15 8:30a.m.-11:30a.m.	TBD	
18819 C	SP TP APPLIED PHYSIC	Mon. May 8 1:00p.m.-4:00p.m.	TBD	
18842 A	DISTRIBUTED SYSTEMS	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
18859 B	SPEC TPC COMMUNICTNS	Tue. May 9 8:30a.m.-11:30a.m.	TBD	
18879 N	SP TP SYSTMS CONTROL	Fri. May 12 8:30a.m.-11:30a.m.	TBD	
18879 P	SP TP SYSTMS CONTROL	Mon. May 15 1:00p.m.-4:00p.m.	TBD	

Engineering and Public Policy				
19101 1	INTRO ENGR & PUB POL	Thu. May 11 5:30p.m.- 8:30p.m.	TBD	
19211 A	COMPUTERS & SOCIETY	Tue. May 16 8:30a.m.-11:30a.m.	TBD	
19615 A	SP TPC SYS CONTROL	Mon. May 15 1:00p.m.-4:00p.m.	TBD	
19616 A4	CASE STU SUSTAINBLTY	Mon. May 8 8:30a.m.-11:30a.m.	TBD	
19617 A	INFRASTRUCTR MNGMNT	Tue. May 9 8:30a.m.-11:30a.m.	TBD	
19628 A	POLICIES WIRELESS SYS	Tue. May 9 8:30a.m.-11:30a.m.	TBD	
19633 A	ENGR ECON ELEC POWER	Fri. May 12 8:30a.m.-11:30a.m.	TBD	
19704 A4	APPLD DATA ANALYSIS	Thu. May 11 08:30a.m.-11:30a.m.	TBD	

TER EXAM SCHEDULE

Material Science and Engineering

27100 1	ENG MATERRLS OF FUTRE	Thu. May 11 1:00p.m.- 4:00p.m.	TBD
27205 A	MATERIALS CHARACTZTN	Tue. May 16 1:00p.m.-4:00p.m.	TBD
27216 A	TRANSPRT IN MATERIAL	Tue. May 9 5:30p.m.-8:30p.m.	TBD
27217 1	PHASE RELTNS & DIAGM	Mon. May 15 1:00p.m.-4:00p.m.	TBD
27302 A	MICROSTRUC & PROP II	Tue. May 16 1:00p.m.-4:00p.m.	TBD
27311 A	POLYMERIC BIOMATERIALS	Tue. May 9 1:00p.m.-4:00p.m.	TBD
27323 A	POWDER PROCESS MATRL	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
27367 A	SELECT PERFRMC MATRL	Thu. May 11 5:30p.m.- 8:30p.m.	TBD
27432 A	ELEC MAG OPT PR MAGS	Fri. May 12 8:30a.m.-11:30a.m.	TBD
27551 A	PROP CERAMICS GLASS	Mon. May 15 8:30a.m.-11:30a.m.	TBD
27715 A	APP MAG & MAG MATRLS	Mon. May 15 8:30a.m.-11:30a.m.	TBD
27751 A	PROP CERAMICS GLASS	Mon. May 15 8:30a.m.-11:30a.m.	TBD
27752 A	FND SEMICOND NANOSTR	Mon. May 15 8:30a.m.-11:30a.m.	TBD
27770 A	ELECTRON MAG OP PROP	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
27782 A	PHASE TRNS SOLIDS I	Mon. May 8 1:00p.m.-4:00p.m.	TBD

Physics

33106 1	PHYSICS I ENG STUDNT	Tue. May 9 5:30p.m.-8:30p.m.	TBD
33107 1	PHYSICS II ENG STDNT	Tue. May 9 1:00p.m.-4:00p.m.	TBD
33111 1	PHYSICS I SCI STUDNT	Tue. May 9 1:00p.m.-4:00p.m.	TBD
33112 1	PHYSICS II SCI STDNT	Tue. May 9 1:00p.m.-4:00p.m.	TBD
33114 A	PHYS MUSICAL SOUND	Tue. May 9 1:00p.m.-4:00p.m.	TBD
33132 1	MATTER & INTRACTN II	Tue. May 9 1:00p.m.-4:00p.m.	TBD
33211 A	PHYS III: MOD ESSENT	Mon. May 8 5:30p.m.-8:30p.m.	TBD
33234 A	QUANTUM PHYSICS	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
33332 A	PHYSCL MECHANICS II	Thu. May 11 08:30a.m.-11:30a.m.	TBD
33339 A	INT ELEC & MAGNET II	Tue. May 16 8:30a.m.-11:30a.m.	TBD
33342 A	THERMAL PHYSICS I	Mon. May 8 8:30a.m.-11:30a.m.	TBD
33446 A	ADV QUANTUM PHYSC II	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
33448 A	INTRO SOLID ST PHYS	Tue. May 9 5:30p.m.-8:30p.m.	TBD
33466 A	EX ASTROPHYC COSMLGY	Mon. May 8 8:30a.m.-11:30a.m.	TBD
33756 A	QUANTM MECHANICS II	Thu. May 11 1:00p.m.-4:00p.m.	TBD
33762 A	CLASSCL ELCTRODYN II	Mon. May 15 8:30a.m.-11:30a.m.	TBD
33765 A	STATISTCL MECHANICS	Mon. May 8 8:30a.m.-11:30a.m.	TBD
33777 A	INTRODTY ASTRPHYSICS	Tue. May 9 8:30a.m.-11:30a.m.	TBD

Statistics

36201 1	STATS REASON PRACTCE	Tue. May 16 8:30a.m.-11:30a.m.	TBD
36202 1	STATISTICAL METHODS	Tue. May 9 1:00p.m.-4:00p.m.	TBD
36208 1	REGRESSION ANALYSIS	Tue. May 9 5:30p.m.-8:30p.m.	TBD
36208 2	REGRESSION ANALYSIS	Tue. May 9 5:30p.m.-8:30p.m.	TBD
36217 A	PROB THEO RNDM PROC	Thu. May 11 1:00p.m.- 4:00p.m.	TBD
36220 1	ENGR STAT QUAL CTRL	Tue. May 9 8:30a.m.-11:30a.m.	TBD
36226 A	INTRO PRB & STAT II	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
36247 1	STATS FOR LAB SCIENC	Mon. May 8 1:00p.m.-4:00p.m.	TBD
36310 A	FUND STAT MODELING	Tue. May 16 8:30a.m.-11:30a.m.	TBD
36410 A	INTRO PROB MODELING	Thu. May 11 1:00p.m.- 4:00p.m.	TBD
36626 A	PROB & MATH STAT II	Mon. May 8 1:00p.m.-4:00p.m.	TBD
36703 A	INTERMED PROBABILITY	Mon. May 8 1:00p.m.-4:00p.m.	TBD
36726 A	STATISTICAL PRAC	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
36755 A	ADV STAT THEORY I	Thu. May 11 08:30a.m.-11:30a.m.	TBD
36835 A	FOUNDtnS STATS SEMNR	Mon. May 8 1:00p.m.-4:00p.m.	TBD

Biomedical Engineering

42101 A	INTRODUCTION BIOMED	Tue. May 16 8:30a.m.-11:30a.m.	TBD
42201 A	PRO ISSUES IN BIOMED	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
42202 A	PHYSIOLOGY	Thu. May 11 1:00p.m.- 4:00p.m.	TBD
42311 A	POLYMERIC BIOMATERLS	Tue. May 9 1:00p.m.-4:00p.m.	TBD
42334 A	INTRO COMPTNL BIOLGY	Tue. May 16 1:00p.m.-4:00p.m.	TBD
42444 A	MEDICAL DEVICES	Mon. May 8 8:30a.m.-11:30a.m.	TBD
42502 A	CELLULAR BIOMECHANIC	Tue. May 16 8:30a.m.-11:30a.m.	TBD
42506 A	SPECIAL TOPICS	Mon. May 15 8:30a.m.-11:30a.m.	TBD
42507 A	SPECIAL TOPICS	Thu. May 11 5:30p.m.- 8:30p.m.	TBD
42710 A	POLYMERIC BIOMATERLS	Tue. May 9 1:00p.m.-4:00p.m.	TBD
42744 A	MEDICAL DEVICES	Mon. May 8 8:30a.m.-11:30a.m.	TBD
42759 A	CELLULAR BIOMECHANIC	Mon. May 15 1:00p.m.-4:00p.m.	TBD

Architecture

48115 1	PHYSICS FOR ARCHITCT	Mon. May 8 8:30a.m.-11:30a.m.	TBD
48215 A	MATERIALS & ASSEMBLY	Thu. May 11 1:00p.m.- 4:00p.m.	TBD
48217 A	STRUCTURES	Tue. May 9 5:30p.m.-8:30p.m.	TBD
48343 A	AM BUILT ENVIR 1860	Mon. May 8 1:00p.m.-4:00p.m.	TBD
48351 A	HMN FACTORS IN ARCH	Tue. May 9 8:30a.m.-11:30a.m.	TBD
48415 A	ADV BUILDING SYSTEMS	Mon. May 15 8:30a.m.-11:30a.m.	TBD
48440 A	AM BUILT ENVIR 1860	Tue. May 16 8:30a.m.-11:30a.m.	TBD
48723 A	PERF ADV BLDNG SYSTM	Mon. May 15 8:30a.m.-11:30a.m.	TBD

Entertainment Technology

53887 A	VIRTUAL PRESENCE	Mon. May 8 1:00p.m.-4:00p.m.	TBD
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Drama

54464 A	PUBLIC SPECTLS EURPE	Mon. May 15 8:30a.m.-11:30a.m.	TBD
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Music

57153 A	HARMONY II	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
57153 B	HARMONY II	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
57156 A	ADVANCED HARMONY II	Mon. May 15 5:30p.m.-8:30p.m.	TBD
57190 1	REP LIST MUSCNS II	Tue. May 16 1:00p.m.-4:00p.m.	TBD
57205 A	20TH C MUSIC HISTORY	Tue. May 16 8:30a.m.-11:30a.m.	TBD
57205 B	20TH C MUSIC HISTORY	Thu. May 11 08:30a.m.-11:30a.m.	TBD
57265 A	FUGUE	Tue. May 16 8:30a.m.-11:30a.m.	TBD
57336 A	INSTR/CHOR CONDUCT	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
57336 B	INSTR/CHOR CONDUCT	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
57362 A	WOODWIND METHODS	Mon. May 8 8:30a.m.-11:30a.m.	TBD
57376 A	MUSIC SEC SCHOOL	Tue. May 9 1:00p.m.-4:00p.m.	TBD
57408 A	FORM AND ANALYSIS	Tue. May 9 5:30p.m.-8:30p.m.	TBD
57408 B	FORM AND ANALYSIS	Tue. May 9 5:30p.m.-8:30p.m.	TBD
57458 A	JAZZ HISTORY II	Mon. May 15 8:30a.m.-11:30a.m.	TBD
57480 A	HISTORY BLACK AM MUS	Mon. May 15 8:30a.m.-11:30a.m.	TBD
57758 A	JAZZ HISTORY II	Mon. May 15 8:30a.m.-11:30a.m.	TBD
57765 A	FUGUE	Tue. May 16 8:30a.m.-11:30a.m.	TBD
57780 A	HISTORY BLACK AM MUS	Mon. May 15 8:30a.m.-11:30a.m.	TBD
57862 A	WOODWIND METHODS	Mon. May 8 8:30a.m.-11:30a.m.	TBD
57876 A	MUSIC SEC SCHOOL	Tue. May 9 1:00p.m.-4:00p.m.	TBD
57888 A	INSTR/CHOR CONDUCT	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
57888 B	INSTR/CHOR CONDUCT	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
57927 A	DEBUSSY	Mon. May 8 8:30a.m.-11:30a.m.	TBD

Art

60105 A	PRE IND VISUAL CULTR	Mon. May 15 5:30p.m.-8:30p.m.	TBD
60414 A	ADV ETB ANM ART/TECH	Tue. May 16 8:30a.m.-11:30a.m.	TBD

H&SS Interdisciplinary

67250 A	INFO SYSTEMS MILIEUX	Thu. May 11 08:30a.m.-11:30a.m.	TBD
67304 A4	DATABS DESGN & IMPL	Tue. May 9 8:30a.m.-11:30a.m.	TBD

Business Administration

70122 1	INTRO TO ACCOUNTING	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
70122 2	INTRO TO ACCOUNTING	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
70208 1	REGRESSION ANALYSIS	Tue. May 9 5:30p.m.-8:30p.m.	TBD
70208 2	REGRESSION ANALYSIS	Tue. May 9 5:30p.m.-8:30p.m.	TBD
70332 B	BUS SOCIETY & ETHICS	Mon. May 8 8:30a.m.-11:30a.m.	TBD
70340 A	BUSINESS COMMUNCTNS	Mon. May 15 5:30p.m.-8:30p.m.	TBD
70340 C	BUSINESS COMMUNCTNS	Mon. May 15 5:30p.m.-8:30p.m.	TBD
70365 A	INT TRADE & INT LAW	Tue. May 9 8:30a.m.-11:30a.m.	TBD
70371 1	PRODUCTION I	Mon. May 15 8:30a.m.-11:30a.m.	TBD
70381 1	MARKETING I	Thu. May 11 5:30p.m.- 8:30p.m.	TBD
70381 2	MARKETING I	Thu. May 11 5:30p.m.- 8:30p.m.	TBD
70391 2	FINANCE I	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
70398 A	INTERNATNL FINANCE	Thu. May 11 5:30p.m.- 8:30p.m.	TBD
70418 A	FIN ENTREPRENSHIP	Mon. May 15 5:30p.m.-8:30p.m.	TBD
70428 A	FINANCL STATMNT ANAL	Mon. May 8 1:00p.m.-4:00p.m.	TBD
70430 A	INTERNATNL MGMNT	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
70459 A	WEB BUSNS ENGINRNG	Tue. May 16 1:00p.m.-4:00p.m.	TBD
70471 A	LOGSTC SUP CHN MANGM	Tue. May 9 5:30p.m.-8:30p.m.	TBD
70480 A	INTERNTNL MARKETING	Thu. May 11 1:00p.m.- 4:00p.m.	TBD
70483 A	ADVRTS & MARKET COMM	Fri. May 12 8:30a.m.-11:30a.m.	TBD
70485 A	PRODUCT MANAGEMENT	Tue. May 16 8:30a.m.-11:30a.m.	TBD
70492 A	INVESTMENT ANALYSIS	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
70492 B	INVESTMENT ANALYSIS	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
70497 A	OPTIONS	Thu. May 11 08:30a.m.-11:30a.m.	TBD
70635 A	DESKTOP PUBLISHING	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
70641 A	COLOR REPROD & MGMNT	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
70643 A	PBLSHNG ON THE WWW	Tue. May 16 1:00p.m.-4:00p.m.	TBD

Economics

73100 1	PRINC OF ECONOMICS	Mon. May 15 8:30a.m.-11:30a.m.	TBD
73100 2	PRINC OF ECONOMICS	Mon. May 15 8:30a.m.-11:30a.m.	TBD
73150 1	PRINCPL ECON W CALC	Mon. May 15 8:30a.m.-11:30a.m.	TBD

73200 1	MACROECONOMICS	Mon. May 15 1:00p.m.-4:00p.m.	TBD
73200 2	MACROECONOMICS	Mon. May 15 1:00p.m.-4:00p.m.	TBD
73226 A	QUANT ECONOMIC ANLYS	Mon. May 15 1:00p.m.-4:00p.m.	TBD
73251 1	ECONOMIC THEORY	Mon. May 8 5:30p.m.-8:30p.m.	TBD
73251 2	ECONOMIC THEORY	Mon. May 8 5:30p.m.-8:30p.m.	TBD
73358 A	ECO ENVRN NATUR RES	Thu. May 11 1:00p.m.- 4:00p.m.	TBD
73365 A	INDUSTRL ORGANIZATN	Mon. May 8 5:30p.m.-8:30p.m.	TBD
73372 A	INTNL MONEY/FINANCE	Thu. May 11 08:30a.m.-11:30a.m.	TBD
73390 A	BEHAVIORAL ECONOMICS	Tue. May 9 5:30p.m.-8:30p.m.	TBD
73420 A	MONETAR THEO POLICY	Tue. May 9 1:00p.m.-4:00p.m.	TBD
73425 A	INTNL ECO DEVELOPMNT	Tue. May 9 8:30a.m.-11:30a.m.	TBD
73428 A	MARKETS FOR ENERGY	Tue. May 16 8:30a.m.-11:30a.m.	TBD
73435 A	ECONOMICS NEGOTIATNS	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
73458 A	MONEY BNKNG FIN MKTS	Mon. May 8 5:30p.m.-8:30p.m.	TBD
73474 A	ECONOMICS OF IDEAS	Tue. May 9 1:00p.m.-4:00p.m.	TBD

English

76214 A	DETECTIVE FICTION	Fri. May 12 8:30a.m.-11:30a.m.	TBD
76236 A	19C BRITISH LITERTRE	Mon. May 8 1:00p.m.-4:00p.m.	TBD
76241 A	INTRO GENDER STUDIES	Fri. May 12 1:00p.m.- 4:00p.m.	TBD
76247 1	SHAKESPEARE	Mon. May 15 8:30a.m.-11:30a.m.	TBD
76356 A	CONTROVERSY MED SOC	Mon. May 15 8:30a.m.-11:30a.m.	TBD
76357 A	LANG POWER THE LAW	Tue. May 9 5:30p.m.-8:30p.m.	TBD
76374 A	RHETORICS PUBLIC ACC	Mon. May 8 1:00p.m.-4:00p.m.	TBD
76384 A	ONLINE INFO DESIGN	Fri. May 12 8:30a.m.-11:30a.m.	TBD
76389 A	GRAMMAR STANDARD ENG	Mon. May 8 5:30p.m.-8:30p.m.	TBD
76390 A	STYLE	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
76390 B	STYLE	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
76396 A	WRIT & PUB INTEREST	Thu. May 11 08:30a.m.-11:30a.m.	TBD
76419 A	COMMNCTN REVLtnS TEC	Thu. May 11 08:30a.m.-11:30a.m.	TBD
76432 A	ADV SEM AF AM STDIES	Tue. May 9 1:00p.m.-4:00p.m.	TBD
76434 A	JAMES JOYCE	Thu. May 11 5:30p.m.- 8:30p.m.	TBD
76441 A	CHAU CER	Mon. May 8 1:00p.m.-4:00p.m.	TBD
76756 A	CONTROVERSY MED SOC	Mon. May 15 8:30a.m.-11:30a.m.	TBD
76757 A	LANG POWER THE LAW	Tue. May 9 5:30p.m.-8:30p.m.	TBD
76773 A	TPCS RHETORIC	Mon. May 8 1:00p.m.-4:00p.m.	TBD
76774 A	RHETORICS PUBLIC ACC	Mon. May 8 1:00p.m.-4:00p.m.	TBD
76784 A	ONLINE INFO DESIGN	Tue. May 9 8:30a.m.-11:30a.m.	TBD
76796 A	WRIT & PUB INTEREST	Thu. May 11 08:30a.m.-11:30a.m.	TBD
76819 A	COMMNCTN REVLtnS TEC	Thu. May 11 08:30a.m.-11:30a.m.	TBD
76832 A	ADV SEM AF AM STDIES	Tue. May 9 1:00p.m.-4:00p.m.	TBD
76841 A	CHAU CER	Mon. May 8 1:00p.m.-4:00p.m.	TBD
76880 A	DOCUMENT DESIGN	Thu. May 11 5:30p.m.- 8:30p.m.	TBD
76883 A	RHETORICAL ANALYSIS	Mon. May 15 8:30a.m.-11:30a.m.	TBD

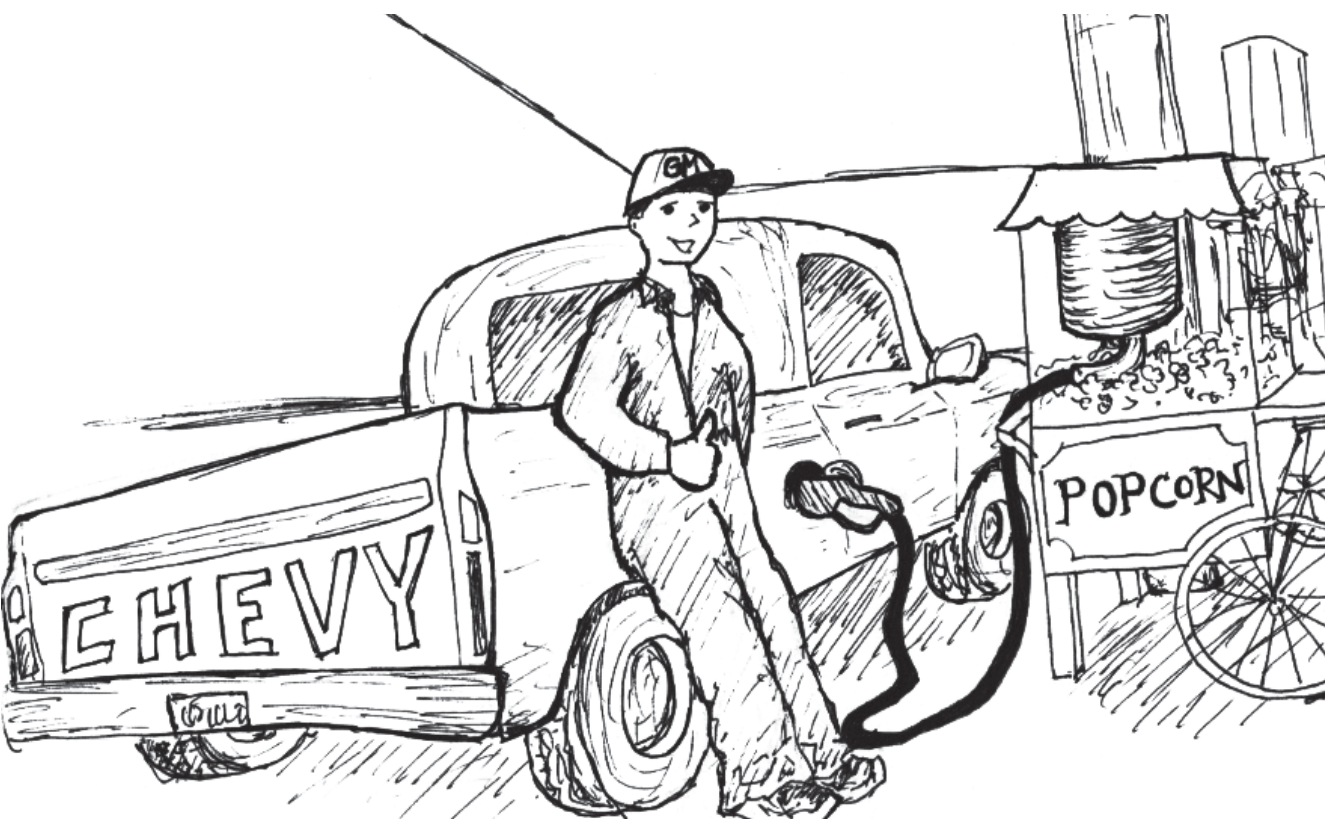
History

79104 1	INTRO WORLD HISTORY	Thu. May 11 08:30a.m.-11:30a.m.	TBD
79104 2	INTRO WORLD HISTORY	Thu. May 11 08:30a.m.-11:30a.m.	TBD
79113 A	CUL IDEN IN AMER SOC	Tue. May 9 1:00p.m.-4:00p.m.	TBD
79200 A	HIS EVIDNCE & INTERP	Thu. May 11 08:30a.m.-11:30a.m.	TBD
79201 A	INTRO TO ANTHRO	Tue. May 9 8:30a.m.-11:30a.m.	TBD
79206 A	DEVLPMNT AMER CULTRE	Mon. May 8 5:30p.m.-8:30p.m.	TBD
79218 A	ROOTS OF ROCK & ROLL	Thu. May 11 1:00p.m.- 4:00p.m.	TBD
79219 A	HOLCST HIS PERSPECTV	Thu. May 11 5:30p.m.- 8:30p.m.	TBD
79226 A	HIST CULT EAST ASIA	Mon. May 15 1:00p.m.-4:00p.m.	TBD
79228 A	AM BUILT ENVIR 1860	Tue. May 16 8:30a.m.-11:30a.m.	TBD
79233 A	US MID EST SNC 1945	Mon. May 15 8:30a.m.-11:30a.m.	TBD
79234 A	BODY POLITICS	Tue. May 9 8:30a.m.-11:30a.m.	TBD
79239 A	BLCKS JEWS IN US HIS	Tue. May 9 5:30p.m.-8:30p.m.	TBD
79251 A	FLSH SPIRIT ERLY EU	Thu. May 11 5:30p.m.- 8:30p.m.	TBD
79277 A	INTRO GLOBAL AGRICLT	Thu. May 11 1:00p.m.- 4:00p.m.	TBD
79281 A	MDRN SOVIET HISTORY	Mon. May 8 5:30p.m.-8:30p.m.	TBD
79318 A	PROTEST PROP PUBLIC	Tue. May 9 5:30p.m.-8:30p.m.	TBD
79340 A	HSTRY MODRN WARFARE	Fri. May 12 5:30p.m.- 8:30p.m.	TBD
79352 A	AR ISR COND WR & PCE	Mon. May 15 5:30p.m.-8:30p.m.	TBD
79358 A	COMPLX TECHNGL SYS	Fri. May 12 8:30a.m.-11:30a.m.	TBD
79363 A	MODERN GLF 1860-2005	Tue. May 16 8:30a.m.-11:30a.m.	TBD
79381 A	PUBLIC SPECTCLES EU	Mon. May 15 8:30a.m.-11:30a.m.	TBD
79471 A	AM BUILT ENVIR 1860	Mon. May 8 1:00p.m.-4:00p.m.	TBD

Philosophy

80110 A	NATURE MATHMTL REASN	Tue. May 9 8:30a.m.-11:30a.m.	TBD
80180 A	NATURE OF LANGUAGE	Mon. May 15 1:00p.m.-4:00p.m.	TBD
80210 A	LOGIC AND PROOFS	Mon. May 15 1:00p.m.-4:00p.m.	TBD
80210 B	LOGIC AND PROOFS	Mon. May 15 1:00p.m.-4:00p.m.	TBD
80252 A	KANT	Fri. May 12 5:30p.m.- 8:30p.m.	TBD

FromTheEditorialBoard



Sherry Chang/Art Staff

GM advertises ethanol-fueled cars

At the Chicago Auto Show two weeks ago, General Motors showered a Chevrolet with an avalanche of popcorn to kick off their new “Live Green, Go Yellow” campaign. They’ve since been blanketing the major media with advertisements designed to let you know that they’re serious about alternative fuels.

Specifically, they’re promoting E85, a mixture of 85 percent ethanol to 15 percent gasoline. Typical gasoline already has about 10 percent ethanol mixed in, but more widespread use of E85 could ease the United States’ dependence on foreign oil. Not to mention that it’s a renewable resource, distilled from good old American corn — hence the popcorn.

GM is proud that 1.5 million vehicles they’ve sold in the last five years can already run on E85. DaimlerChrysler is doing much the same, and Ford might even be further ahead on the E85 bandwagon, as they’ve been putting E85-capable engines in their cars since 1995. These flexible-fuel vehicles, or FFVs, can run on any mixture of ethanol and gasoline, from no ethanol at all up to 85 percent, and there are millions of these cars already on the road.

But there are several barriers in this otherwise positive scenario: It’s virtually impossible to fill up a car with E85 in this

country. Of the roughly 170,000 gas stations in the U.S., some 600 have E85, and the vast majority of those are in the heart of the Corn Belt. For example, there isn’t a single publicly-accessible E85 pump in the entire state of Pennsylvania.

Even though E85’s 105 octane rating means increased horsepower and torque, it contains 28 percent less energy per unit volume than gasoline, which decreases gas mileage. Therefore, the price of E85 must be 28 percent less than gasoline to be economically viable, since it takes more fuel to go the same distance. The price briefly reached this crucial level late last year, but recent legislation and less inflated gasoline prices have made E85 less competitive.

Great debates are currently raging over whether or not corn-based ethanol production is economically viable, but they fail to take one important factor into account. Due to federally-mandated agriculture subsidies, many corn farms in the U.S. are actually being paid to throw away large portions of their crop. If all of this corn is simply going to waste, having it go to fuel instead would not only be cost-effective, but could potentially increase the natural price of corn enough to obviate the need for the aforementioned subsidies.

With any luck, as awareness grows,

demand will increase. Prices jumped earlier this year when the federal government mandated that all of its own FFVs must be run on E85 whenever possible. New legislation gives huge bonuses to gas station owners who add E85 pumps to their stations, and states like Minnesota are gradually increasing the minimum amount of ethanol that must be added to gasoline.

The United States should follow the example of Brazil, where vast open farms dominate the countryside just as they do here. But there, more than a quarter of the vehicles on the road run on pure ethanol distilled from that nation’s huge crop of sugar cane. Brazil’s government forced a switch to ethanol in order to lessen foreign dependence and strengthen the local economy. It has done wonders in both sectors. Pure ethanol wouldn’t work in cars in the United States because of differences in weather conditions, but Brazil’s example shows that renewable fuels can be extremely successful on a national scale.

Automotive technology has finally advanced to the point where it’s viable to use a fuel source that makes much more sense to our national economy and our environment. General Motors should be commended for pushing us in the right direction.

federal commission and professor at the University of Pennsylvania, was quoted in *The New York Times* as saying that “higher education is about to learn ... that they can’t play the ‘trust me’ game anymore.”

That’s an awfully hypocritical claim from an administration that has asked for its constituents’ unequivocal trust on issues such as shoddy foreign intelligence, state-sanctioned torture, and unlawful wire-tapping.

The Bush administration has always taken a sickeningly commercial attitude toward education. Like No Child Left Behind, the imposition of mandatory standardized tests on colleges and universities would only underscore the administration’s emphasis on superficial results, not the rich uniqueness of the process. College students are not commodities, and we should not tolerate being treated as such. The learning that takes place in college is not like the general instruction of high school. It’s far too specialized to be filled into a lettered bubble with a number-two pencil.

Justice finally in sight after three painful years



Christian D'Andrea

Three years ago today, over 400 people were trapped in a raging fire in a Rhode Island nightclub. The Station, a small club in the mill town of West Warwick, was packed with mostly middle-aged ’80s rock fans when the blaze started, ignited by the pyrotechnics of the band Great White. Sparks spread up the cheap and horrifically combustible foam soundproofing that lined the walls of the club and engulfed the whole building in less than three minutes.

Exactly 100 people died as a result, and over 200 more were injured.

Like any tragedy, the fire created a storm of pain and confusion that will stain the state of Rhode Island for years to come. It has devastated a community and bankrupted a town already stuck in a rapid decline. In such a close-knit community, nearly everyone in the state was connected to someone in that fire. However, outside of Rhode Island the events have been swept out of the media spotlight, and seemingly forgotten outside the northeast.

The fire itself was immediately dismissed as tragic but unimportant in the eyes of both the U.S. government and the media. Despite having issued a state of emergency in neighboring Worcester, Massachusetts upon the deaths of six firemen in a warehouse blaze in 1999, the government refused to do the same for West Warwick. As a result, millions of dollars of needed aid never made it to Rhode Island, forcing both the town and its victims into massive debt in their attempts to recover from the blaze.

Just as the government dismissed the tragedy, so did the national media. In the days following the fire, it was impossible to find coverage of the blaze in outlets outside New England. It was clear that no one wanted to deal with the situation except those who were connected to it.

There are several causes for this ignorance. The people trapped in the fire that night were anything but glamorous.

They were generally middle-aged wage workers — tattoo artists, sales clerks, waitresses, and even former strippers. The only victim most media outlets found interesting enough to focus on was Great White guitarist Ty Longley, who perished in the blaze.

Another reason for the lack of attention to this tragedy is its setting. The Station was a tiny club for washed-up bands in a place most of America couldn’t find on a map. With nothing immediately relatable to the general public, most of the national media simply gave up rather than dig deeper. Only a search of the archives of local news in New England can uncover the true stories of what happened that night, and the brave tales of recovery that the whole state had to collectively undergo.

Though much of America has forgotten about what happened that night, the pain has yet to subside in Rhode Island. It has taken nearly three years since the fire to bring those who are responsible to trial. However, the recent events in the courts offer the hope of closure to some of the victims and their families.

Three men were charged with over 200 counts of involuntary manslaughter apiece for their negligence: club owners Michael and Jeffery Derderian and Great White’s tour manager Daniel Biechele. Though these charges were levied in late 2003, their trials were pushed back to 2006 as lawyers on each side weighed their cases. However, the first steps toward justice came early, when on February 7 this year, Biechele took responsibility and pleaded guilty to avoid going to trial. Though this ensures that Biechele will serve jail time, his plea also ensures that he will serve no more than 10 years in prison — a sentence far too light for actions that killed 100 people.

Though Biechele is not completely responsible for the deaths that night, he should take the brunt of the blame for the events. This was not the only concert where he set off fireworks in a venue that did not give him permission; at least three other places have confirmed that they were unaware that the band

See FIRE, page A11

LetterToTheEditor

Editorial pooly portrays Senate

This letter does not represent the views of Senate as a whole. Similarly, last week’s editorial, “Student Senate poorly represents constituents,” does very little to accurately represent Senate as a whole, choosing instead to rely on blanket generalizations and inflammatory language.

While there are certainly some valid criticisms in the piece, particularly regarding abstentions and outreach, I am disappointed at the extent to which things were exaggerated. Senators that may have had a conflicting obligation “didn’t bother to show up,” and any abstention, even valid, was called “lazy.” The allegation that the whole Senate “failed to uncover ... dangerous baggage” in a policy that was the purview of a specific committee is simply ridiculous. This last point is akin to me criticizing a Pillbox staffer for not knowing the particular wording of a News story.

As a Senator, I often hear or read this type of criticism, but in all cases it is those who are infrequent visitors to Senate — likely only attending one meeting — that are leveling it. The statements in the editorial suggest that it too is afflicted by the tendency of the campus community to criticize and generalize based on the contents of one or

two meetings, or on individual actions.

Anyone who had come to the few meetings before the one in question would have been aware of the ongoing discussion of the Students’ Rights Policy, which started sometime before winter break. They would have also been aware of the active recruitment efforts by several members of Senate, resulting in two promising H&SS candidates. Furthermore, they would be aware of the ongoing efforts to contact constituents about issues and solicit feedback.

I encourage people, especially those who intend to write about Senate, to become more involved or at least attend more frequently. I hope that they will then witness for themselves the questioning, thoughtful discussion, and lack of abstentions that normally characterize Senate and be able to present a more accurate portrayal.

Gaining a familiarity with Senate will allow fairer and more constructive criticisms in the future, which will allow Senate to move forward with its efforts to serve the student body.

Justin Berkas
Sophomore
SHS

THE TARTAN

Carnegie Mellon’s Student Newspaper Since 1906

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The Tartan is a student newspaper at Carnegie Mellon University, funded in part by the student activities fee. It is a weekly publication by students during the fall and spring semesters, printed by Valley News Dispatch, Inc. **The Tartan** is not an official publication of Carnegie Mellon University. The first issue is free; subsequent issues cost \$0.50 at the discretion of **The Tartan**. Subscriptions are available on a per semester basis.

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Library of Congress ISSN: 0890-3107

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New Pennsylvania bill demonizes homosexuality



Shawn Wertz

We see them on television, in movies, and even in magazines: pictures of polished and upstanding men and women who stand out for the simple fact that they are gay.

Society has come to love them — some of them. at least. After all, where would we be without Will's vivacious friend Jack?

But how many still feel comfortable when the attractive veneer is erased and the true humans are exposed? How can the homosexual individual, relegated to a figure of amusement by television and movie spectators, become a human being of substance and respect if society won't allow him or her to perform certain vital human functions?

I recently came across a bill that was introduced by Pennsylvania legislators advocating the absolute protection of the foundations upon which marriage was built. The Pennsylvania Marriage Protection Amendment claims to sanctify the institution of traditional marriage, particularly by limiting its possible definitions.

Pennsylvania for Marriage, a fundamentalist group from Harrisburg, is responsible for introducing the bill into legislature. The group's life goal is to make sure same-sex marriage is not recognized in Pennsylvania. Furthermore, they contest any possibility of a marriage equivalent, such as civil union.

I applaud any organization's attempts to advocate what it believes is important. However, I cannot and will not willingly acknowledge this group's attempts when the price is the degradation of others — all in the name of moral protection.

Are we destroying society by allowing individuals to make the

ultimate commitment to each other? If that is the case, are we doing society a good deed by expecting members who are different in a particular way to live in the shadows, denied the privileges that a reasonable human would expect? These ideas should not take root in a society founded on democratic principles.

The organization contends that marriage, a fundamental building block of society, would be utterly destroyed if even an equivalent such as civil union were allowed. However, the group needs to do a lot of clarifying before this argument can be acknowledged.

The group tries to substantiate its argument with a statistic explaining that Norway's marriage rate drastically plummeted after same-sex marriage was allowed. Carelessly, it ignores the fact that Norway did not institute same-sex marriage; it instituted civil union, a very different institution. Though marriage rates did fall, the fall was not drastic enough to directly attribute it to the institution of civil union in the country.

Not only does Pennsylvania for Marriage fail to draw a coherent corollary between the instatement of civil union in Norway and its drop in marriage rate, it blatantly disregards statistics of neighboring countries from the same years. The marriage rates in Sweden, the Netherlands, and Denmark, countries that surround Norway, *increased* once same-sex marriage or civil union was allowed.

I am shocked that any organization would blatantly disregard quantitative facts and try to back up its religious convictions with so many unsubstantiated claims.

And if Pennsylvania for Marriage did not make its fundamentalism clear enough, the group goes so far as to equate same-sex unions with polygamy and incest.



Danielle Saudino/Dossier Literary Editor

The group claims that if marriage laws were ambivalent enough to allow for same-sex marriage or civil union, employers then might find themselves having to give health care benefits to an employee's six or seven wives.

This claim would be darkly comical if it weren't an actual argument, and I can't help but think back to a time when the same claims were made about interracial marriage. Marriage laws then weren't even as well-defined as they are in most states today, yet did society see the proliferation of polygamy?

The real shame behind this organization is that it actually introduced a bill into legislature and substantiated its claims with the aforementioned arguments. They pleaded that same-sex marriage would have adverse effects

on children, confusing them and introducing them to immorality at an early age.

Perhaps I am alone in having problems with such a bill. Maybe I'm just one of those poor destitute creatures who found his way to the right side of the tracks, currently praying for a Christian fundamentalist to show me the error of my ways!

As ludicrous as that sounds, what is even more ludicrous is that Pennsylvania for Marriage expects everyone to think that way. In essence, Pennsylvania for Marriage basically told everyone to "lock your doors, hide your children, and guard your window treatments! The Gays are coming!"

I used to have a great deal of respect for the institution of marriage. Coming from divorced parents, marriage was always a

lofty goal for me. But with the current lobbying of organizations like Pennsylvania for Marriage, it seems to be trapped in an ivory tower.

Same-sex marriage would not destroy the traditional institution. Pennsylvania for Marriage already destroyed it. No longer is marriage regarded as the biggest commitment two loving people can make. It serves only as a dividing line between the haves and have-nots.

And just in case that doesn't get my point across: We're here and we're queer, so get used to us. And help yourself to some wedding cake on your way out the door.

Shawn Wertz (swertz@) is a sophomore professional writing major. You can find him walking his dog in the park on weekends.

Veto disrespects representatives

When personal politics enter the decision, democracy is lost



Benjamin Hackett

Help us, Mr. President... pretty please? We are too scared to have an authoritative opinion on an issue as important as academic freedom, so please remove the burden of representation from us. And in perfect unity with this request, the Undergraduate Student Senate failed to accept responsibility for its actions by lacking the political and philosophical insight to overturn the executive veto.

It is an issue of representation and dereliction of duty. When a representative body puts its stamp, however weakly, on a *non-binding resolution* of purpose, there is no room for an executive usurpation of that body's opinion. The reasoning behind the veto, or at least the stated justification, concerned a failure of representation by the Undergraduate Student Senate.

When one unpacks that logic, it fails to flesh out. This reasoning presumes to assign levels of representation inappropriately

to branches of government. Understandably, political constancy and philosophy is not considered, nor intellectually approachable, by some parties.

To veto non-binding legislation is to say that "I" am more representative than "they" are. The statement translates into the simple claim that one officer, elected without a majority of student support, is sufficiently more representative than a body of similarly elected membership drawn from every college on the Carnegie Mellon campus.

Additionally perplexing is the failure of a representative body to divorce a concept from its origins. There are an immeasurable number of things in use every day that have been attained from less than amicable research sources. The idea that these things should be discarded, or ignored during debate, is reprehensible.

A governing body that cannot evaluate based on the merits of a policy alone should be disbanded for the good of those it is supposed to serve.

Perhaps the most telling result from the entire endeavor was the willingness of a representative

branch of government to let personal politics interfere with an issue as basic as academic freedom. This same willingness allowed one authoritatively flaccid branch of government to fall victim to the situational politics of an executive branch, a branch similarly void of any semblance of valor.

The months will pass and another opportunity to debate political philosophy on the floors of a governing body will be lost. The moments of clarity, once accessible if they had only been addressed, will fall through the cracks of the calendar and fully out of the organization's memory.

For any organization, the time comes when no backdoor bailout can help it save face with the electorate. The latest trend towards governance by personal whim risks undermining a legacy of proper governance. The responsibilities of representation are meant to trump the fears of reprisal.

Benjamin Hackett (bhackett@) welcomes feedback by e-mail or online at BenjaminHackett.com.

Negligence to blame for nightclub inferno

FIRE, from A10

would use fireworks in its show.

However, the use of fireworks in the Station was extremely negligent — his fireworks shot off an eight-foot plume in a club where the ceilings were, at most, approximately nine feet high. Common sense should have told him that something bad was bound to happen.

Biechele's sentencing, scheduled for May 8, will have a major effect on how the trial against the Derderians is run. The two currently share the blame for the fire. Even though Biechele was responsible for the use of fireworks, the Derderians lined their club with cheap and extremely flammable foam soundproofing, which allowed the flames to spread in a rapid and deadly manner.

Though the Derderians obviously share some of the blame, they had no idea what was in store when Great White began to play that night. They never cleared the use of fireworks in their club, and though the fire hazards were still apparent,

Biechele's recklessness and negligence essentially guaranteed that the club would go up in flames.

The Derderian brothers are clearly to blame for the overcrowding of their club and violations of the fire codes, but the tragedy was not inevitable. Biechele's use of unauthorized fireworks was the catalyst behind everything that happened that night.

The fact that Biechele will serve no more than 10 years in jail for sparking the fire that killed 100 people and ruined the lives of many others is a joke. We can only hope that the families of those who had their lives so drastically changed one night three years ago can take solace in the fact that, at the very least, someone has stepped up to take blame.

Christian D'Andrea (ckd@) is a Rhode Islander who grew up just a few miles from the Station. He lost a cousin in the Station fire three years ago, and he will never forget the images and events of that tragic night.

Presidential Perspectives

Campus to see two changes soon



Tom Sabram

This past week Senate failed to override the veto of the Students' Rights Policy Resolution with a vote of 5–17–5, and it looks like the process may finally be at rest. I would like to encourage all Student Senators to return to their hard-working efforts from last semester. I would also like to encourage students who were disheartened with their representation to either become members-at-large or petition to fill a vacancy if your college has one, or at least talk with some of your Senators. Now I can move back to the tasks at hand.

As I have mentioned in earlier columns, I am a member of the Dean of Student Affairs Search Committee. The committee will be finishing up its work relatively soon, and from what I have been told the candidates will be visiting campus soon, providing an opportunity for the candidates to interact with the student population. It is important for students to have the chance to talk with the incoming potential deans of Student Affairs, and if you have opinions feel free to let me know your feelings. I will continue to update you on this issue. This is an exciting opportunity for this campus and will help direct some of the attitudes of the campus for at least the upcoming decade. However, this isn't the only new and interesting opportunity coming to campus.

I spent the beginning part of this semester on the Panhellenic expansion committee to assist in bringing a new national sorority to campus.

After spending several hours in presentations about the history and programming of the organizations vying to join the Carnegie Mellon Greek community, both the women of Zeta Psi Sigma and the expansion committee discussed who would be the best fit for Zeta and the campus community. After a thoughtful and considerate discussion by the expansion committee (I can't speak to Zeta's discussion, since that was their private matter), both groups chose to invite Alpha Chi Omega to Carnegie Mellon, making it the school's fifth national Panhellenic sorority.

I would like to wish the women of Zeta Psi Sigma the best as they embark upon the chartering process, and I hope that the remainder of the campus will do the same. With these two major events happening on campus this semester, some type of change is imminent. I am sure these events will help to improve campus life and make Carnegie Mellon even better.

Tom can be reached at (sbp@) or 412-657-3953. His office hours this week will be Tuesday, from 3:30 to 4:30 pm in his office in the University Center, room 318F.

Two years ago President Bush choked on a pretzel. Last week Dick Cheney shot a man in the face. We'd like to know,

What's your all-time favorite presidential blunder?



Pall Melsted
Graduate Student
Math

"Dan Quayle misspelling 'potato.'"



Liz Anderson
Senior
Policy and Management

"When Lyndon Johnson zipped down his pants and said, 'Do they have this?'"



Anna Chin
Sophomore
Biology

"When [George W.] Bush referred to Africa as a nation when he was talking about AIDS."



Candice Gesceky
Sophomore
Chemical Engineer

"I read somewhere that William Taft got stuck in a bathtub."



Mike Shoup
Senior
Mechanical Engineering

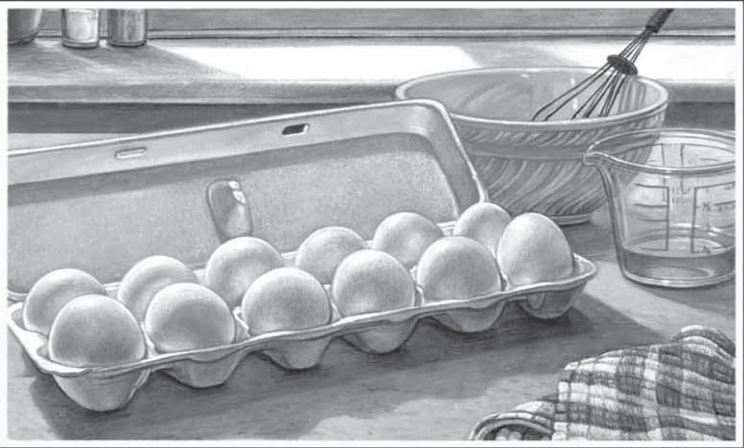
"I think shooting someone in the face takes the cake."

A PERSON'S OPINION

Compiled by Noah Lorang and Dexter Hu



Once upon a time,
there were a dozen eggs.



What's a dozen? a little boy asked his father.
A dozen is twelve, his dad said, count them.
The boy counted: one, two, three, four,
five, six, seven, eight, nine, ten, a *lemon*,
twelve! That's right! said the dad. And do
you know where eggs come from? he
asked. Yes! shouted the boy. Where? said
Dad. The store! Dad laughed and laughed.
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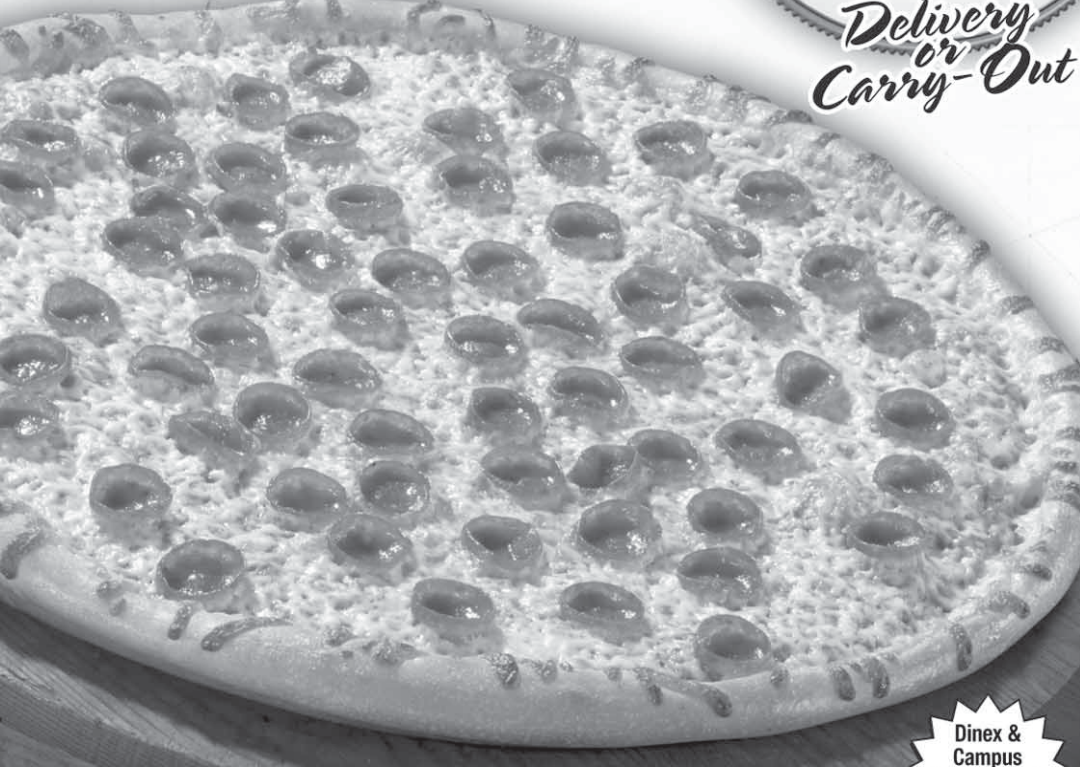
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Pitt student dies in alcohol incident

ALCOHOL, from A3

County medical examiner's office ruled that Holly died from blunt force trauma to the head. The death was ruled accidental.

Medics on the scene declared him dead at 12:30, according to Ewing.

"What happened to the student at Pitt is really a tragedy," said Jennifer Church, associate dean of Student Affairs at CMU. "Even though it was off campus, and entirely a different issue, it says a lot about drinking in college in general."

The incident shows the adverse effects alcohol can have on individuals, including college students at Carnegie Mellon.

"Alcohol consumption is definitely a concern for us," Church said. "We worry about overconsumption and about consumption

by first-time users."

Church's department is responsible for initiating alcohol prevention and awareness programs like AlcoholEdu and Late Night activities at the University Center.

AlcoholEdu is currently in its second year of operation at CMU, with the class of 2008 being the first class to take it.

The course is designed to create awareness among college students about the effects of alcohol and the problems with unhealthy consumption.

"AlcoholEdu for us is really intended to be a piece of a larger solution. It's really a launching point to ensure that students are getting the information," Church said.

She stressed that the final decision of whether to consume alcohol or not is with each individual. "We're trying to help them cre-

ate healthy habits around their own relationship with alcohol," Church said. But she admitted there is a lot more that Carnegie Mellon and campuses across the country can do to promote alcohol awareness.

"As far as national concerns, we probably skew a bit lower than normal," Church added about alcohol consumption, "but the reality is that we need to find the right combination of education, experiences, and opportunities that's going to speak to our population [of students]."

Overall, Church urged students to follow protocol and call the police when someone is in danger, even if off campus.

"We want to make sure students know that if they're in a situation that someone is at risk, not to worry about getting in trouble," Church said.

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Underwriting provided by PNC Bank, Heinz Endowments, and Tippins Foundation

Tartan lacrosse starts spring season

LACROSSE, from A14

we couldn't get the ball out of our own defensive zone, so we rarely had the opportunity to score. We are going to have to put some serious work into our faceoffs and defensive play."

The team's strength lies in its depth and raw talent. With 21 players on the roster, the majority of them upperclassmen, the Tartans have a real chance to make an impact within their division. It is Stamatopoulos' goal within the coming weeks to develop that raw talent into a team. "Typically teams, when they join the MDIA, have a very difficult time adjusting and aren't successful," he said. "However, I don't perceive that to be the case for this team. The CCLA is probably the toughest confer-

ence in the country on the B side. However, we have lofty goals. My immediate goal for the team is to get them to play together as a unit. We need to transition to a point where we aren't thinking, we are just reacting. Last season I coached a playoff team in the CCLA; we are a lot better than that team. Making a deep run in the playoffs and being a top-25 team is definitely an option for this team. Going to Dallas and the national tournament is not out of the question either."

The Tartans' first divisional home game is Wednesday, March 22, against Indiana University of Pennsylvania at 7 pm in Gesling Stadium. Hopefully, temperatures will be at least 30 degrees; warmer conditions will be more spectator-friendly. As Stamatopoulos said, "The goal

for Carnegie Mellon lacrosse is to build an organization that is both successful on and off the field. Our philosophy here is to do what it takes to compete at the highest possible level and represent the University well. We not only want to create a national powerhouse, we want to create something special on campus too."

Carnegie Mellon's men's lacrosse team is looking to create that buzz and excitement surrounding athletics that is often missing from the Carnegie Mellon community. So this spring, help the Tartans achieve this goal by taking an hour and a half out of your studies, donning a Carnegie Mellon T-shirt, and heading over to Gesling Stadium to lend your support to the men of Carnegie Mellon lacrosse.



Drew Hendrickson/Photo Staff

Junior midfielder Tomo Gibson defends the Tartans in a scrimmage against Penn State-Behrend.

Tartan women drop two on the road, nearing the end of a tough season

BASKETBALL, from A14

a career-high nine points versus the Spartans.

Yesterday, a Rothwell layup off a pass from Sommermeyer brought the Tartans within one point at 20-19 at the 8:24 mark, but then Case ended the half with a 20-4 run to take a 40-23 lead. Feola caught fire in the second half for the Tartans, erupting for 17 of her 24 points, en route to cutting the deficit from 17 to 11

when the final buzzer sounded.

The women's basketball team will cap their season on Saturday, February 25, at 2 pm in Skibo Gymnasium when they take on the University of Rochester. They will need to defeat the Yellowjackets to avoid going winless in UAA play. The UAA is one of the premier conferences in women's Division III basketball; they currently have four schools ranked in the USA Today Division III Coaches' Poll,

including Washington University in St. Louis, which leads the way at number three. Don't take pity on the Tartans, however — they consider playing strong UAA competition as a challenge and a great opportunity. "It's exciting because you know you're in the best conference in Division III," said head coach Gerri Seidl. "Every game is going to be a dogfight. We have to come ready to play game in and game out."

Track prepares for UAA Championships

TRACK, from A14

from junior Russel Verbofsky, placing fifth overall in the 300-meter dash. Complementing these performances, the Tartans secured third place in five running heats: sophomore Shauna Ormon (44.84) and freshman CarltonReeves (50.86) in the 300-meter dash, junior Davey Quinn (2:31.36) in the 1000-meter run, and the 4x400 relay teams with a time of 3:21.15 for the men and 4:19.08 for the women.

With impressive finishes for Carnegie Mellon on the track, the Tartans also fared well in the field events. Junior Eric Tang earned a second-place finish in the men's long jump with a 6.34-meter jump. Tang also placed 11th in the triple jump with first-year Colin Marks finishing eighth with a jump of 12.86 meters. First-year Jessica Meng of the women's team garnered an impressive fourth overall performance in triple jump with a 10.74-meter finish.

Men's throwers Tom Matta and Michael Reggie finished in the top 20 in the weight throwing events, with Matta's score of 16.24 meters coming in ninth overall and Reggie's 13.85 meters coming in 20th. Matta also secured 28th overall in his 13.41-meter performance in the

very good performances," remarked head coach Dario Donatelli after the meet. "I would say we would have a chance to win the UAA championship. It would depend on everyone on the team to do a little bit better than they are doing now, but we are all doing as well as we are

"We definitely have had some very good performances. I would say we would have a chance to win the UAA championship."

shot put. Adriane Soehner and Becky Metler also performed well in the women's throwing events, with Soehner coming in 39th and 37th overall, respectively, in the shot put (9.31m) and weight throw (10.84m) events. Metler placed 24th overall in shot put (10.84m) and 27th in weight throw (12.16m).

"We definitely have had some

in the past year where we came up second. We definitely have a chance to win it."

With solid performances from both the women's and men's teams at the Kent State Tune-Up, the Tartans are looking forward to competing in the UAA Championships at Chicago in two weeks and should look to place highly overall.

IM NEWS

Administration

Director: Mike Mastroianni x8-2214 or *mma@*
Assistant Director: Mike Grzywinski, x8-2214 or *immike@*
Secretary: Amy Kyrk, x8-2053 or *kiryk@*
President: Jon Kline, *jklkline@*
Vice-President: William Ross, *wross1@*
Women's President: Jaci Feinstein, *jfeinste@*

Important Dates:

Monday, February 20 — Floor hockey playoffs start

Thursday, February 23 — Rosters for indoor soccer and three-on-three basketball due by 4:30 pm in the IM Office.

Monday, February 27 — Indoor soccer rules meeting in the Arena Room.

Sports in Season:

Floor Hockey — The playoffs start tonight. Brackets are available in the IM Office.

Basketball — Schedules are now available outside the IM Office. Games are under way in the UC gym. Games are played Monday through Thursday nights and Sunday afternoons. There are 86 teams playing in the four leagues this year. The finals will be held on Thursday, March 23, IM Night, in Skibo Gym.

Individual Call Pool and Table Tennis — Schedules are available in the IM Office. Please play all games as scheduled and report scores to the IM Office.

Indoor Soccer — Rosters are due Thursday by 4:30 pm in the IM Office. All teams need to have a representative at the rules meeting on Monday, Feb-

ruary 27, in the Arena Room.
Tartan IM Basketball Poll

Majors

1. Beta 2nd Place
2. Beta Regualtors
3. KDR

Intermediate

1. HBB Check Ball PiKA
2. 5526
3. Jibrovvia
4. Beta Freshmen
5. Spirit Warriors

Women

1. Hoopers
2. Spirit Warriors
3. Lady Ball Knockers
4. Busta Kappa Boombas

Minors

1. Terry Time
2. Sig Ep Basketball
3. Fiddlers
4. All Stars
5. PKT A
6. This One's For Ollie
7. Brown Town
8. PiKA Old Balls
9. Beta Old Guys
10. Morewood Reunited

UNDEGRADUATE BUSINESS DEAN'S LIST

Fall 2005

Undergraduate Business Administration would like to congratulate the following students who achieved Dean's List* in Fall 2005

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Claire Andrzejewski
Nicholas Basso
Sarah Carney
Byron Chou
Brian Correia
Carlos Dezayas
Ryan Einwag
Jared Itkowitz
Stephen Karolyi
Hae Rang Kim
Jason Kuo
Un Kyung Lee
Christine McGarry
Michael Paletta
Cyril Philip
Ryan Piper
Edwin Shao
Laura Steidel
Andre Tartar
Yunfan Zhang
Matthew Adams
Shawn Alwani
Roman Barbalat
Tyler Booher
Nancy Dou
Douglas Fricker
George Haberman
Douglas Hilling
Stephen Kasky
Puja Katariwala
Carrie Kmetzo
Maxim Kozhevnik

Kevin Labuz
Sarah Lam
Hannah Lee
Eva Lin
Anna Ly
Eileen Morrison
Michael Mullen
Vrushali Paunikar
Abhishek Raghavan
Matt Schulz
Trenton Sisson
Kevin So
Stephen Springer
Meyrick Sumantri
Zachary Teeple
Alex Tompkins
Mark Tressler
Nabila Walji
Michael Wang
Chiao Wu
Violetta Zharov
Ashish Agarwal
Bryan Alexander
Anisha Anantapadmanabhan
Jeremy Astor
Sanggi Bae
W.I. Bleu
Aaron Brown
Varut Bulakul
Yee Chan
Nicholas Deangelis
Neera Dugar
Keyana Farkondepay

Santiago Gomez
Alexander Gordon
Arish Gupta
Jing He
Serena Ho
Lauren Hoffman
Sarah Hu
Anna Kao
Jordan Koslosky
Kyle Langworthy
Chawimon Larbprasertporn
Catherine Lau
Ying Cora Li
Charis Lim
Vladimir Loktev
Pei Han Low
Xiao Xia Lu
Victoria Lui
Sandra Ma
Victor Ma
Erika Matsumoto
Kevin Mulkern
Menna Mulugetta
Se-Heun Park
Sudeep Paul
Guido Perez
Ramzi Ramsey
William Ross
Svetlana Sandler
Neil Sanyal
John Sedunov
Sandip Sengupta
Shangbuhm Seok

Sunny Shah
Megan Shinn
Brittany Smith
Henry Tsai
Patarasiri Virutamavongsa
Kohta Wajima
Keely Walter
Yang Wang
James White
Michael Yenason
Paul Yevzikov
Kerem Aksoy
Hussein Al Baya
Saad Alam
Shanmugan Arunachalam
Michael Barrella
Kim Berman
Sureena Bhansali
Dora Chang
Chun Tzu Chen
Julian Chun
Lauren Dergance
William Drewery
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Pedro Ferraz
Jeffrey Friedrich
Ruchika Goswami
Ryan Grattan
Rachel Gross
Christian Guirnalda
Chuen Ha
Robert Hagerich
Nayoung Joe

Brian Ju
Andrew Kiang
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Rekha Nair
Angel Naya
Emily Ng
Suvrat Prakash
Yinli Qiu
Aditi Raturi
Elliott Schwartz
Nicholas Segalla
Christian Selwanes
Roshni Sheth
I-Ting Shih
Peter Sukits
Judith Sun
Eddie Szeto
Puja Talati
Michael Yang
Jessie Yeung
Ran Yi
Joong Ho Yoon
Robert Young
Jennifer Yu
Conway Yung
Wen Zhang

*students receiving a 3.5 or higher and taking 45 units



Drew Hendrickson/Photo Staff

Sophomore midfielder Zack Teeple chases down a Penn State–Behrend player. Saturday afternoon, Carnegie Mellon men's lacrosse beat Penn State–Behrend 9–7.

by **Erin Gagnon**
Sports Editor

A temperature in the teens, strong gusty winds, and a dusting of snow on the turf may not sound like reasonable conditions for a Carnegie Mellon men's lacrosse game, but play they did, and win they did, leaving Penn State–Behrend a long bus ride home to thaw out and lament a fruitless trip to Pittsburgh.

Carnegie Mellon men's lacrosse opened their season Saturday afternoon with a 9–7 win in a scrimmage against Penn State–Behrend, a win that was integral for the team to see where they are and what they need to do in order to prepare for their upcoming league play.

The Carnegie Mellon men's lacrosse team has gone through a complete transformation during the past year, switching from the National Collegiate Lacrosse League into the more competitive Men's Division of Intercollegiate Associates (MDIA). The MDIA is a league strictly for universities without a varsity program but with players who want to play varsity-caliber lacrosse. Teams within the MDIA practice five times a week and are mostly funded at a varsity level. The MDIA consists of 170 teams in nine conferences that span the country. Carnegie Mellon falls within the Central Collegiate Lacrosse Association (CCLA) of the MDIA. The Tartan's new division is home to colleges such as the University of Dayton, Grove

City College, Indiana University of Pennsylvania, and Taylor University.

This year's addition of head coach Anthony Stamatopoulos adds the experience and guidance the team needs in order to successfully navigate their way around the CCLA. Stamatopoulos is a native of Baltimore who played for and coached for Ferris State University, another CCLA program. Assistant coach Rich Grant was an outstanding lacrosse player for the University of Pittsburgh and is able to extend his passion and skill to Carnegie Mellon's program.

The increased practice time paid off Saturday afternoon as the Tartans were able to play with high intensity throughout the 60-minute game, racking up nine

goals. Sophomore captain Matt Adams led the team with four goals and an assist, while junior captain Rick McMullen added to Adams' four goals with two of his own. The remaining three

Behrend countered Carnegie Mellon's attack with an attack of its own. Going into halftime, the score was even at four apiece as the lead transferred between the two teams throughout the game.

“The Tartans were able to play with high intensity throughout the 60-minute game, racking up nine goals.”

goals were scored by senior Troy Cox and sophomores Devin Blais and Zach Teeple. Adams, Blais, Teeple, and Cox each had an assist to round out the Tartans' offensive. Unfortunately, Penn State–

McMullen commented, “When we had the ball on offense we were able to play well and score, but we couldn't win faceoffs, and

See LACROSSE, page A13

Fate of University Athletic Association top honors lies in the Tartans' final game

Courtesy of Jackie Dieffenbacher of *The Observer*

Carnegie Mellon senior guard Bary Dunn (33) out-reaches a Case Western player for the rebound.

By **Colin Liotta**
Staffwriter

“No comment.” That was all junior Brad Matta had to say about the men's basketball team's disappointing 88–74 loss against Emory in Atlanta last Friday.

The Tartans entered the night in sole possession of the UAA lead and were looking to pull ahead of the rest of the conference with a little over a week left in the regular season.

Carnegie Mellon defeated Emory 96–88 back on January 22 at Skibo Gymnasium, and the first half of Friday's game looked as though the end result would be the same. The two teams exchanged leads several times at the beginning of the game until the Tartans went up 17–16 on a layup by Clayton Barlow-Wilcox. The Tartans held the lead for the rest of the first half, extending it to as much as 11 points. The first half was highlighted by dunks from seniors Nate Maurer and Bary Dunn, as well as the sharp shooting of senior and co-captain A.J. Straub, who hit four consecutive three-pointers, including three in a one-minute span. The Tartans went into the half leading Emory 45–36. The Tartan seniors had yet to beat Emory in Atlanta,

and from the halftime score it seemed they would finally get that elusive win.

But the opening three minutes of the second half would prove costly for the Tartans. Nate Maurer, the team's top scorer (18.3 points per game), fouled out of the game with 17:37 left in the second half after quickly picking up his third, fourth, and fifth (a technical) fouls. The Tartans were up 47–38 when Maurer fouled out, and with the Tartans' top scorer out of the game, Emory quickly took advantage. The Eagles went on a 20–6 run and led 58–53 with 9:59 left to play. The Eagles held on and never looked back as they extended their lead and beat the Tartans by 14 points.

The loss at Emory meant that a victory yesterday against Case Western was crucial for the Tartans in order to keep their hopes of a UAA title alive. The two teams fought evenly in the first half, with neither team achieving a lead of more than five points.

After fouling out early in the second half against Emory on Friday, Maurer looked to redeem himself and came out firing, scoring 16 of his game-high 30 points in the first half to help the Tartans take a 42–37 lead going into halftime.

Courtesy of Jackie Dieffenbacher of *The Observer*

Carnegie Mellon junior guard Brad Matta plays defense against a Case player.

The Tartans never relinquished their lead during the second half, despite going 0–8 from the free-throw line in the last 19 minutes of the game. Fortunately, Maurer and Brad Matta hit clutch free throws with 35 seconds left to help seal an 80–75 victory for the Tartans.

Maurer explained how Friday's loss was motivation for him against Case. “Personally, I let down the team and the fans. Being a senior, I shouldn't have to watch the last 17 minutes of the game from the bench, so I knew I had to step up big today.”

With the win, the Tartans are now tied for the UAA lead with Washington University. The Tartans can clinch the title with a win at home this Saturday against Rochester. Said Maurer about the Rochester game, “Everything is on the line just like last year. Hopefully we can clinch the title for our school and everybody. I've wanted to make the tournament ever since I started playing college basketball, and now I have one more game to make that happen.” The Tartans and Yellowjackets tip off Saturday at 4 pm in Skibo Gymnasium.

Track ‘tunes up’ at Kent

by **Jeffrey Wang**
Junior Staffwriter

The CMU men's and women's track and field teams traveled to Kent State University last Saturday, to attend the Kent State Tune-Up. This meet had an open format, where none of the performances were scored. It was held primarily to prepare athletes for upcoming division championships. More specifically for the Tartans, Kent prepared both the men and women for the UAA Championships at the University of Chicago on March 2.

Coming off a very impressive performance at the Oberlin Invitational (with a first-place finish for the men and third for the women), the Tartans were determined to continue their success in preparation for the UAA Championships. The Tartans

were able to place highly in a number of running events, with first-place heat finishes in the 600-meter race leading the way. Junior Mark Davis and sophomore Scott Fortune completed the 600-meter with impressive times of 1:24.46 and 1:25.91 to place sixth and seventh overall, respectively, in the men's division.

Sophomore Ashley Bakelmun pulled off her own first-place heat finish to rank second overall with a stunning performance of 1:43.00 in the 600-meter women's event. The women also racked up another first-place heat coming from an 18:58.38 performance by KJ Helmstetter in the 5000-meter run, placing 17th overall. The men added to their first-place finishes with a second-place heat time of 36.85

See TRACK, page A13

Women's basketball defeated by Emory and Case

Courtesy of Jackie Dieffenbacher of *The Observer*

Carnegie Mellon first-year Corey Innes guards a Case Western player. The Lady Tartans' last game is this Saturday at Skibo Gymnasium.

by **Doug Fricker**
Junior Staffwriter

The Carnegie Mellon women's basketball team went on the road for the last time this season to play two University Athletic Association (UAA) games. They made a trip to Atlanta to play Emory University on Friday evening and then to Cleveland to match up against Case Western Reserve University yesterday afternoon. The Tartans (5–19 overall, 0–13 in the UAA) could not muster a victory in either game, as they lost 84–43 to the Eagles on Friday and followed that up with a 72–61 defeat at the hands of the Spartans yesterday.

Against Emory the Tartans could not get into a rhythm on offense, and they dug themselves into a deep hole before the end of the first half. The Eagles (15–8,

5–7) took a 39–19 halftime lead and picked up where they left off to gradually increase their lead, winning by 41 points. The Tartans again fell behind early yesterday, but they buckled down and played hard to outscore Case 38–32 in the second half before losing by 11.

Sophomore Leah Feola became the first Tartan to score over 20 points in a game this season as she got a career-high 24 points on 10–15 shooting against Case Western (12–12, 5–8). First-year forward Ashley Rothwell came off the bench to score a career-high 12 points in both games, while also collecting a career-high 12 rebounds against Case. Senior Dava Sommermeyer added nine points and five rebounds in the loss to Emory, while first-year guard Corey Innes contributed

See BASKETBALL, page A13

pillbox

Volume 4. Issue 17. 20 February 2006.

A photograph of the entrance to the Carnegie Library, featuring four tall, fluted columns supporting a pediment. The words "CARNEGIE LIBRARY" are inscribed on the pediment.

CARNEGIE LIBRARY

FREE TO THE PEOPLE

also: cell phone etiquette, lunar gala, and auto identity



...this week only

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Find out what the government has been looking for in this week's We're All Doomed.

YOU ON THE CELL PHONE! Shut up!

Polite cell phones may relieve your ears

Since it first burst onto the hip couture scene, the cellular telephone, or “cell phone,” or the minimalist’s “cell,” has both driven communication advancements and provoked a wide gamut of controversy. The problem, my friends, lies not in potential brain tumors and avoidable car accidents, but in the awkward social situations cell phones can induce. Until these predicaments are resolved, friendships will continue to be lost and countless embarrassed people will still squirm around in their seats.

But researchers at Carnegie Mellon are curbing the wave of humiliation that comes with a quiet calculus lecture, 26 attentive students, and one sudden burst of a “CRAAAAZY LAAAAADIESSSS” ringtone. Enter the eWatch, a device capable of telling the time — and much more!

Carnegie Mellon researchers are in the early stages of creating the eWatch, a wrist-clock with enough tricks to make any Rolex-toting executive salivate like Pavlov’s dog. Project advisor Asim Smailagic leads the effort, which is a collaboration between the ECE department, CS department, and industrial design. First tested in August 2004 and publicized on National Public Radio last week, the eWatch can not only tell you if you’re late for that 3 o’clock dentist appointment, it’ll remind you that it’s scheduled for that day. And let’s say you’re late for that appointment and you’re running really fast and BAM! you collide with a car — never fear! The eWatch has already notified the authorities of the accident. So it saves lives. It’s a TV remote, too.

The eWatch and your cell phone are on the same team. They work together, and they never fight about the rules. The eWatch is like the coach with a headset on the sidelines, surveying the whole field. The eWatch can detect if you are in a darkened room, such as a photo lab, movie theater, or one of those weird places where the sun never rises.

Taking this information, the eWatch signals your cell phone not to ring. This gets a little more complicated than Steve Martin telling you to turn off your cell phone before you sit down for

Nanny McPhee. The eWatch even detects where you are based on audio levels and ambient light, letting your cell phone know if you are in the confessional or just listening to “CRAAAZY LAAAAADIESSSS.”

This eWatch is going to be big news for the geriatric scene. They’ve been hatin’ on the cell phone since it was the size of a briefcase and could only fit in the trunk of a car. Cell phone use has increased 10-fold in the last 10 years, a fact best verified by spending 15 minutes in line at Giant Eagle. Brain cancer is on the rise, too, but that’s a minor detail.

Who hasn’t longed for the days of yore when candlelight and sticks made for good entertainment, when a friendly movie was interrupted not by Beyoncé but by the mooing of cows out in the pasture?

So if you’re sitting in a movie and your second cousin just *has* to tell you all about last night’s junior prom, the eWatch will tell you nearly everything but the color of her dress. The device signals to the user with visual or tactile messages. Important e-mails and voice messages can be shown in the same way.

Perfect, right? For the gadget-forward, yes. The fashion-forward? Eh, not so much. Though it’s offered in various colors (an oatmeal beige and a blinding blue, among others), the eWatch fits like wearing a stack of Pogs on your wrist drawn together by a thin strip of velcro. The website photos showing the eWatch without the plastic covering looks like what you’d expect from the most complicated time-keep that doesn’t chime — a mini circuit board.

Can we expect to see Angelina Jolie sporting an eWatch on the way to her next yoga session? Your guess is as good as my sweet *Joy to the World* ringtone — still not changed since Christmas 2004. How nice now that I don’t have to share the Good News with the rest of the darkened theater.

Erich Schwartzel | Staffwriter



Justin Brown | Assistant Photo Editor

Did you know?

50

February 14, 1956

25

February 17, 1981

10

February 19, 1996

5

February 19 , 2001

1

February 21, 2005

Lee Gregg, a Carnegie Tech professor of psychology, published his work on human muscle response, stating that when a subject is unmotivated to perform a task, muscle tensions while performing are low. While I have no idea what applicability this finding has, it does seem apropos that Gregg was later memorialized in the name of the Porter Hall 100 lecture hall, where I spent many hours being unmotivated.

The Tartan announced that the University had matriculated more students from outside Pennsylvania than inside for the first time in its history. Admissions claimed that St. Louis, Chicago, and Minneapolis represented “new academic horizons” from which to recruit. Plans must have changed, though: I wouldn’t exactly call Minneapolitans the substantial new demographic around campus since the ’80s.

A thief hid inside the closet at the back of the Wean 5419 cluster and emerged after the rooms were locked to steal memory from many — but not all — of the 64 computers in the cluster. The thief snuck out when the cluster reopened after cleaning. We can only guess why SCS never commissioned grad students to build a laser-guided Cluster Sentinel[®] robot... or checked the closet.

In its coverage of 2001’s Sex Week, the Tartan printed an article on an objectivist lecture against “neo-Puritanism” under the headline “Sex Is Good.” This was one part of a tripartite series that week along with Science & Technology’s “The Sky is Blue” and Forum’s “Death is Tragic.”

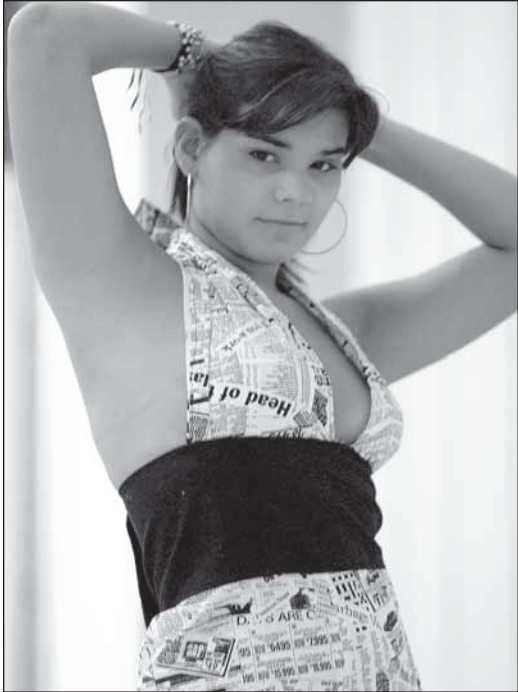
Wearing a misleadingly nonthreatening snazzy purple suit, political activist Malik Zulu Shabazz visited campus, ostensibly to speak on black history. Before he started, he had two Tartan photographers removed from the room by his entourage, armed with truncheons and outdoor voices. On the plus side, it wasn’t until covering Shabazz’s four-hour-long, anti-intellectual, anti-Semitic spiel that I discovered how evil I truly am. No wonder he needed to use the metal detectors on us.

Adam Greenberg | Contributing Alumnus

Preliminary clothing designs
by Katie Rodgers (Left)
come to life on model
Maite Rios (Right).



Mingwei Tay | Photo Staff



Mingwei Tay | Photo Staff

X-treme fashion, X-treme time commitment

Lunar Gala designers and choreographers prep for the big show

“Lunar Gala is the opportunity to celebrate cultural awareness, creativity through expression, and appreciation for fashion and design,” said junior design major Natisha Kang, Lunar Gala’s 2006 design coordinator.

Ten years ago, Lunar Gala began as an event to celebrate the lunar new year. It is a fashion show that features the innovative designs of both Carnegie Mellon University students and local boutiques, as modeled by Carnegie Mellon students.

Every year the Lunar Gala committee, which is led by two producers, strives to choose a flexible theme that can be interpreted by the various designers. This year, the committee chose the theme “X” in honor of Lunar Gala’s 10-year anniversary. Co-producer David Kim, a senior ECE and business double major, said, “We wanted the ‘X’ to represent ‘eXtreme,’ or any words with the same idea, such as ‘eXpression.’”

In mid-October, nearly 20 designers submitted their portfolios to be evaluated by the committee. Each portfolio contained eight to ten designs for both guys and girls. Kim said, “The committee was looking for a designer or pair of designers who knew exactly what materials they would be using and knew how to directly replicate their sketches.” With this criterion as the basis, the interview process helped narrow down the nearly 20 applicants to 10.

Katie Rodgers, a sophomore industrial design major, was one of the 10 chosen. Her theme is “eXtreme Compost” and features designs integrating both fabric and everyday materials, such as newspaper. “I’ve always wanted to [create] things out of random things laying around,” Rodgers said.

While Lunar Gala encourages these sorts of creative ideas, there is a limit to the flexibility: time and money. Certain materials would take too much time to obtain, and the costs of these materials come directly out of the designers’ pockets. Kim mentioned that a few of the designers receive SURG funding.

In mid-November, the designers met with 30 to 40 models in order to see them walk down the mock runway. The designers listed their top three choices for models per design, and it was the committee’s job to distribute the models to all the designers. Rodgers said, “I picked certain models for certain outfits that I knew they would look good in.” As soon as all the different designer–model sections were decided, the real work began.

The designers had all of winter break to collect materials and create the designs. “Anything past winter break was just tweaking and fitting,” Kim said.

Along with designing and creating the actual clothes, the designers must have an idea of how they want the models to move across the runway. They are able to choose their own music and receive help with choreography and positioning from the backstage coordinators, senior Hannah Kim and junior Katy Lin. Rodgers chose “Kiss Kiss” by Tarkan, which is a Turkish song with a simple beat. “I just chose a simple choreography because I think the show is more about the clothes,” Rodgers said.

A designer partnership, first-year Gavin Stewart and sophomore Joannie Wu, chose industrial music to go with their Slavic-, wartime-, ’20s-, and cyber-themed collection. “I like that the song starts out slow but really begins to pick up as the section progresses,” said Stewart.

After winter break, the Lunar Gala committee met twice a week; the week before the show, they will meet every day in order to run through each of the designer’s sections and fine-tune any choreography and poses. For each designer, practice lasts for about 10 to 15 minutes. “Fitting and adjusting take the most time,” Rodgers said.

There is a reason why the designers are given five months to prepare for the show — every last second is needed. Outside of practice, designers continue to work on their pieces. They meet with their partners and their models to alter and enhance. Rodgers said, “[It] consumes a lot of my out-of-class

time.” Stewart agreed, “My partner and I met twice a week and often spent entire weekends working on our designs.” While being a huge time commitment, designing for Lunar Gala has also served as an extensive learning experience. “I’ve learned a lot about sewing, pattern making, and fitting,” Stewart said. “I plan on designing next year, so this has really acted as preparation for me.”

Professionally, Stewart is looking into industrial design with an interest in shoe design, and views Lunar Gala as a big step in first-hand design experience. Similarly, Rodgers said, “Since I’m an industrial design major, it will look really good on my résumé and in my portfolio.”

What makes the burden of costs so bearable for the designers, Kim believes, is that the designers get to keep each piece they create for their portfolios. Also, according to Public Relations Chair Winnifred Tse, the designers have the option of showcasing their work at The Frame, an art and music venue on Margaret Morrison Street.

“The most exciting thing about being a designer is getting to make your own designs come to life and showing them off to the school,” said Rodgers. “Also, it’s a way to get involved with a school activity.”

“It’s just a good time all around,” said Stewart.

Kang said, “The most rewarding part of the show is when the hard work of almost 100 people from all over campus and from such diverse backgrounds, comes together to produce a show that is unique to Carnegie Mellon.”

Lunar Gala is this Saturday at 8 pm in Rangos Hall. Tickets can be purchased at the Lunar Gala table or at the UC Info Desk. Tickets are \$12 each and include food, the show, and entrance to the afterparty.

Justine Lee | Staffwriter

Look like your car

Designers weigh in about what’s hot in the auto world

You have seen it all — from the box on wheels to the sleek cat-like form that hugs the road. These are the cars you yearn for or lampoon. Some cars are so hot they make you stop in your tracks or approach carefully when they are parked. Some cars inspire reverence, others mockery. But the design of a car goes beyond that — it not only has something to do with how others see you, but it can also change how you see yourself.

“Some people identify themselves by their car; some people don’t care,” said Mark Baskinger, a professor in the design department.

If you’re a car buff and stopped by the 2006 Pittsburgh International Auto Show, you have already seen some of the newest designs from well over 30 car manufacturers, including luxury brands like Aston Martin and Bentley. To an untrained eye it may all look good to you, especially after long, cold waits for the bus in the morning. But what do real designers think of the looks of cars today?

Greg Zulkie, a sophomore industrial design major, feels that the Detroit Auto Show showcased the problems that the American manufacturers have faced lately. He stated that, after releasing a lot of SUVs and trucks, “[Ford’s] sales hit rock bottom this year, along with GM. Both companies have been in damage control mode for at least a year and haven’t appeared to even consider new models that take risks.”

Zulkie believes that among American, European, and Japanese cars, Japanese cars “are reflecting the best of two different markets.” Zulkie notes reliability, gas mileage, and performance as the star points in Japanese-made vehicles.

So how do Carnegie Mellon students stack up? How much car-style savvy does the Morewood parking lot, or Margaret Morrison Street, reflect? Baskinger said, “On this campus you see the BMW 3 Series everywhere. It’s got a high sticker price for what it is.” But though the ticket is high, Baskinger thinks the car is “nicely styled and ... speaks to the identity of a lot of our students.” Zulkie agrees, saying that BMWs stand out among student and faculty rides.

Among the car manufacturers that Baskinger said do it best is Toyota. “[They] squeeze as much out of the price as they can,” but he said that Toyota is still trying to figure out “what their cars look like.” While Toyota may be floundering to create a distinctive style, their sedans have become increasingly influential, according to Baskinger. He mentioned that Volkswagen and Jetta have adopted the “rounded blobular form” for their sedans, similar to the Camry or the Corolla. Baskinger called this trend the “Camrification of the automobile.”

A notable car dud from the past was the Chevy Nova, a real flop in the Spanish-speaking world where its name means “doesn’t go.” More recent failures? Baskinger picks the Pontiac Aztek as the big no-no in recent years. By placing the Aztek on a minivan platform, Baskinger said Pontiac made it look like “too much car.” He feels that the Aztek tries to “fake” the look of a military vehicle, and the car ends up looking “bloated.” Baskinger doesn’t discriminate against military-inspired rides — his favorite car is the Land Rover Defender 90, which he called “the simplest car ever made.” Zulkie, on the other hand, noted the H2 and H3, inspired by the military Hummer vehicle, as his least favorite cars. “They represent the arrogance of gas consumption in America,” he said.

But Carnegie Mellon and Pittsburgh are doing pretty well at keeping the roads tank-free, according to Baskinger. He said that of the places he’s lived (New Jersey and Illinois, among others), he finds that Pittsburgh has a pretty even spread of SUVs versus cars. He mentioned he sees a lot of luxury SUVs in the Maggie Mo lot, though.

While many a college kid lusts after a ride — any ride — design can be an important element in how you get from point A to point B. To make life easier for the clueless, The Tartan has compiled some basic “picks” on design happenings in the automotive world.

More car for your money: “Volkswagen and Subaru offer more performance for less money, with more attention to materials.” —Baskinger

Improving manufacturers: All companies are trying to improve; “Ford, Chrysler, and Chevy are really paying attention to styling; before they [just] made cars that ran.” —Baskinger

“The brand I am most excited about in Japan is Mazda, in the past five years they have completely turned themselves around.” —Zulkie

Get used to it: “Cross-over vehicles will be here for a while... The Jeep Wrangler is timeless.” Traditional pick-ups will stick around, with the Honda Ridgeline being an example of the new breed of pick-up trucks. —Baskinger

Earth-friendly design: The hybrid market needs to find an in-between from the over-styled Honda Insight-type vehicle to seamlessly integrated vehicles like the Toyota Prius or Highlander. They need a balance between “completely hidden” and “completely overt” in terms of announcing their eco-friendliness. —Baskinger

“Hybrid SUVs are taking advantage of the battery motor for high performance in torque, rather than gas mileage.... There is an improvement in mileage, but not the significant kind.” —Zulkie

Gen-X-mobile: The Scion “[has] a lot of different variables; you get more choice.” —Baskinger

Well-designed: The Altima: “It has purposeful ornamentation.” —Baskinger

Blasting the past: “As cool as the retro pony cars are (new Mustang, new Camaro, etc.), I feel that it is a cop out to keep coming out with ‘new’ old cars.” —Zulkie

Beauty only skin deep: “I like the new Mustang’s overall exterior design; however when I sat in it, I was very disappointed with the car’s cheap interior.” —Zulkie

Michelle Bova | Contributing Editor



Alejo Grigera | Art Editor

The Laramie Project

Bringing hate crime awareness to Carnegie Mellon

When a small town comes face to face with murder, everyone has a story to tell.

At first glance, it's the old story of a shocking event shattering a small town. Beneath the surface, though, it's entirely different. Written by Moisés Kaufman and the Tectonic Theater Project, *The Laramie Project* is a series of interviews with Laramie, Wyo., residents about their reactions to the hate crime that led to the death of Matthew Shepard.

The Tectonic Theater Project's aim was to interview the inhabitants of Laramie in hopes of learning about the effects of Matthew Shepard's death. What they found was a multifaceted town with over a hundred stories and many contradicting views. Was Laramie the type of place where one could freely live as he or she wanted, or one in which someone could only make his own lifestyle choices if he kept them secret? It depends on whom you talk to.

What makes this show unusual is that its 63 characters are played by only 13 actors, making it important for the actors to create clear distinctions between the different roles they play. In Scotch 'n' Soda's performance of *The Laramie Project*, the costume changes were minimal, such as the change of sophomore Kwasi Mensah's plaid shirt to transform a townie into a Baptist minister. This was a challenge the actors met and surpassed — most evident in first-year Caulder Tempel's effortless shift from a policeman to a somewhat stereotypical gay man to a Republican Senator and in first-year Andrew Stocchetti's seamless transition from University of Wyoming president to remorseless murderer Aaron McKinney.

Each character was not only distinct, but memorable as well. The audience was scared for the lives of policewoman Reggie Fluty (junior Danielle Griswold) and professor Catherine Connelly (sophomore Sarah Barbour) and was delighted by the feisty attitude of Matthew's friend, Romaine Patterson (first-year Rose Sengenberger). Particularly memorable was junior Gerrit Betz's portrayal of Matthew's father, which left everyone silent following his speech to McKinney. Sophomore Dave Lettieri's flawless depiction of Fred Phelps was equally stunning.

Fred Phelps is the Baptist preacher who protested Shepard's funeral and murder trial. He continues to speak at various events about the profound evil that he believes homosexuality to be, and there had been rumors that he would even follow *The Laramie Project* to Carnegie Mellon.

Director Courtney Kochuba, a junior English major who is also president of Scotch 'n' Soda Theater, has been considering putting on *The Laramie Project* for some time now. A Pittsburgh native, she says that it has never been produced here and that it's time for that to happen since hate crimes still occur. In fact, due to recent events such as a gay hate crime in Massachusetts and Fred Phelps' protesting of Coretta Scott King's funeral, this show is even more relevant.

Kochuba's target audience is first and foremost Carnegie

Mellon students. "Things get us riled up," she said, such as Malik Zulu Shabazz's controversial speech last year. "And when things get us riled up, we take the opportunity and do things. This is just to get the word out." While she hopes that some students will become involved in activism, it is more important for Kochuba that the audience understands and respects the message conveyed by the show even though they may not agree with it.

Bringing this matter to the masses was a motive of author Kaufman. After the death of Matthew Shepard, he asked, "How can we, as theater people, respond to and comment on this situation? The members of the Tectonic Theater Project were not legislation-passing politicians. They were actors, and for them the best way to do this was through theater. While people may not necessarily attend an activist rally, they may go and see a show. A show is just another way to bring certain ideas to the masses."

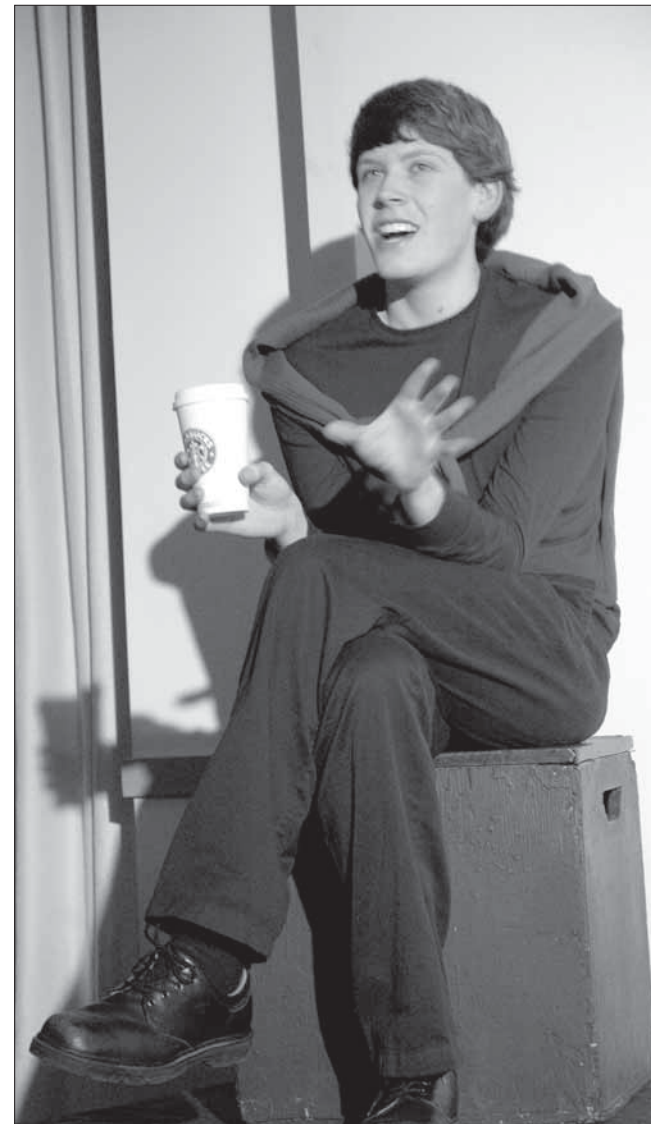
The process of bringing the town of Laramie to life was extremely rewarding for the cast and crew. Kochuba believes that what makes Laramie come alive is the enthusiasm that the cast brings to the table. With all the outside work that the cast is loaded with, one must be really passionate about the show in order to put such effort into it. Moments when an actor's research resulted in a gold mine of information, including personal connections, were especially valued.

Assistant director Ashley Birt, a junior English major, regards *The Laramie Project* as one of the most important plays that can be performed right now. She said, "There is hate. It can happen anywhere — in a small town or even in Pittsburgh. But you must see how a community deals with this, how it affects people. There are both negative and positive results. It's a sad thing that happened to this kid but it raised an enormous amount of awareness."

Birt's hope for the show is that it will make Carnegie Mellon think. Often many students here get so involved in their work that they do not know or care about what's going on in the world around us. She said, "CMU students need to "realize that this is the real world. This is going on — so go out and change it ... or at least turn on CNN."

According to Birt, "CMU needs this. CMU's ready. It's time for this."

Shweta Kumar | Junior Staffwriter



Robert Kaminski | Photo Editor

Spike Lee berates cultural trends

Director voices his opinion on race and new ‘role models’

Speaking at the Byham Theatre last Thursday, Spike Lee addressed a large group of energetic fans who gave an ecstatic welcome to the controversial filmmaker. Lee, director of *Mo’ Better Blues*, *The Original Kings of Comedy*, and the biopic *Malcolm X*, came to Pittsburgh to talk about his films, his life, and his views, as part of the African American Cultural Center’s series of programs celebrating Black History Month.

Lee recently produced *CSA: The Confederate States of America*, a mockumentary about the eerie possibilities had the South won the Civil War. The film, directed by Kevin Willmott, approaches the situation from the angle of a British documentary about America with short, inflammatory “commercial” breaks where racist propaganda supposedly would cut in.

Critics say that the film really does not describe an alternative present. According to Stephen Whitty of the *Newark Star Ledger*, “How far off is Willmott’s scenario anyway?”

Well-known for racy “Spike Lee Joints” like this, Lee has built a reputation for handling polemic subjects in brilliant, down-to-earth portraits. For his work in the film industry, Lee received an honorary Cesar Award for Lifetime Achievement in 2003. His career did not flourish from the start, however. Growing up in 1960s Brooklyn with an appreciation for African-American culture, Lee had no idea he wanted to be a filmmaker.

A supportive and assertive family gave Lee the appreciation for hard work and the value of education. His grandmother sacrificed her social security checks to help pay for college. “My mother used to push me real hard. Back then, you

couldn’t be just as good as a white boy; you had to be five times better,” Lee said.

Lee attended Morehouse College and said that the summer before his junior year, his advisor told him that all his electives were used up and that he had to choose a major. Not particularly sure about the prospect of films, Lee decided to take pictures. People thought he was crazy for trying to make a living in a vacuum.

“Back then, there was almost no African-American film landscape,” Lee said.

After graduating from the New York University Tisch School of the Arts in 1982, Lee spent a long time trying to make his first big film. “When you’re making your first film, you want to include everything — explosions, people jumping from building to building, and everything else,” Lee said. “I realized that I had to start small. I had to begin with just two people talking and make it into a film.” This became his “seriously sexy comedy” *She’s Gotta Have It*.

Lee’s career has hit many obstacles since then, including the famous budget debate over *Malcolm X*. After his studio cut his funding due to overspending, Lee had to ask famous African-Americans like Bill Cosby and Oprah Winfrey for money. He raised about \$11 million doing this and was able to include everything he thought needed to be shown. Even after this, however, the Nation of Islam railed against many parts of *Malcolm X*, and Lee had to cut material. Overall, he has established himself as a very prominent modern director.

During his lecture, Lee took some time to give some social commentary about modern America and African-Americans.

“The power of America isn’t in how many nuclear bombs it has,” Lee said. “Its power is in its media.”

Overseas, Lee said, American pop culture icons are seen everywhere. The particular strength of music videos and the images they convey has created a lamentable social dynamic for Lee. He talked about how in his youth, young black men truly supported each other in all efforts athletic, romantic, and academic. “Now, they aspire to be a pimp,” said Lee. “I don’t get this infatuation with gangsterism. It’s just crazy.... We didn’t look up to pimps growing up.”

By speaking on how the media worships images of debauchery, Lee proved that he really sees his medium as effective and worthwhile. He talked about having to censor what his children watch these days to keep the corrupt messages away from them.

In the question-and-answer session following the lecture, one public school teacher said he used the media in many parts of his curriculum but tried to expose his students to positive influences. He asked, “How can I help them get past negative images?” Lee said, “Just keep doing what you’re doing. You have an uphill battle.”

In the fall, Lee’s Hurricane Katrina documentary *Levees be Broke* will premiere on HBO. “We turned our back on New Orleans,” said Lee. “We’ve all seen the videos and pictures.... Now it looks like Hiroshima after the atomic bomb.”

The many films that Lee has directed span many stories and themes, but he says that there are many stories left to be told.

Matthew McKee | Staffwriter



Justin Brown | Assistant Photo Editor

Strangers on a Train

Wednesday, February 22
10, 12

One of Alfred Hitchcock’s less well-known movies, *Strangers on a Train* is about two strangers... who meet on a train. And discuss killing people for each other. When a stranger offs Guy Haines’ wife, the stranger asks a favor in return. Will the innocent Haines bring himself to follow through with the devious deal? Find out, when strangers meet... on a train!

Young Adam

Thursday, February 23
8, 10, 12

Ewan McGregor plays a frustrated writer who falls in love — except this time, he ain’t singin’. He *is* still attractive, though. He starts working on a river barge, and the barge workers find a dead woman floating in the river. Does McGregor know anything about it? Who cares? Let’s get naked! This film was rated NC-17 for explicit sexual content, which is probably why you didn’t see it the first time around. You should this time — it’s a pretty okay movie.

Rent

Friday, February 24
7:30, 10, 12:30

What would a musical look like if you ported it directly to film? *Rent!* With much of the original cast acting just like they did on Broadway, this film received mixed reviews. Personally, I thought the acting was awkward... a movie should be a movie. But I never saw the original. The singing was nice and enjoyable, and the story is all right. If you can get past the fact that Friday night is “Dollar Broadway Show” night, then go see this. And, of course, if you’re a fan of the original, you will like this movie — or at least say you did to sound cool in front of your artsy-music friends.

Zathura

Saturday, February 25
7:30, 10, 12:30

This is a movie about kids who find a mystical board game and start to play, when all of a sudden the board game becomes reality and starts really messing up their lives, but they can’t just stop playing because they have to finish the game to end the madness! Shyeah, more like *Jumanji: A Space Adventure*. But there’s no copyright infringement here... it was written by the same guy. It *is* a kids’ movie, but it’s a well-done kids’ movie that banks on dreaming big, not fart jokes. Go see it if you’re feeling nostalgic or drunk.

Dancer in the Dark

Sunday, February 26
10, 12:30

Björk in the Dark. The story of a young Eastern European single mother named Selma (played by Björk) who moves to America with her son with the hope of raising money to get an operation for him so he doesn’t go blind like she’s in the process of doing. And she has delusions about musicals that keep her happy. But in all seriousness, this is a good film, and your only chance to see Björk acting. She did the soundtrack, as well. It’s emotional. Don’t go see it if you’re already stressed out that Monday is tomorrow. Go see it if you like umlauts.

“Free to the people”

The Carnegie Libraries and their stories of Pittsburgh by **Sarah Mogin** | Staffwriter

A feature on libraries? Oh dear — well, it looks like you found something to line your birdcage with this week. Scrap paper for the next big chem exam? If nothing else, you could make a damn good paper airplane. I mean, why should anyone care about the Carnegie Libraries?

No, seriously, I’m asking: Why did Carnegie bother building them anyway? And how come the main Carnegie Library in Oakland is so much bigger than any of the other branches? Are they of any use to your average Carnegie Mellon student? And what do they do for the larger community of Pittsburgh?

Wait — *maybe* a library is more than just a food- and noise-free environment. *Maybe* a history on Pittsburgh’s 110-year-old library system is worth a read. Bear with me, and I think you’ll learn that libraries aren’t as boring as they sound. Who knows, you might even wind up wanting to get a library card.

Standing outside of the South Side Carnegie Library of Pittsburgh, you might think you’re catching a glimpse into the past. The building hasn’t been renovated since its construction in 1908, and you can still see the name Carnegie embossed in the steel of the staircase. It seems even older in light of some of the more modern libraries in Pittsburgh, such as the one in Squirrel Hill, which reopened in 2005 after an extensive makeover. But even if the South Side branch is physically ancient, it’s still an extremely accurate barometer of its neighborhood and city — even its era. Believe it or not, the same goes for all of the Carnegie Libraries.

Lydia Scott, the department head of the South Side

branch, explained some of the ways that the library has developed over the years. “The way people use the library has changed,” said Scott. Technology is a significant factor. Over the years, the available audio/visual resources have been both updated and expanded. CDs and DVDs have replaced cassettes and videotapes, and the demand for books-on-CD is continually increasing.

The classic library connotation — as a home for encyclopedias, biographies, and history books — might have to be revised. As computers continue to rule our lives, there is less of a need for hard-copy resources than there used to be. If you’ve got a history paper to write, the smaller branches might no longer be your best option — several decades ago most of the research materials in the system were consolidated in the main Carnegie Library in Oakland.

What has replaced them? In the South Side branch, what remains is a largely new collection, including recent fiction and consumer health books. Library visitors older than Carnegie Mellon students are typically interested in that kind of literature. Scott explained, “Our population is getting older.” It’s becoming common knowledge that the average age of Pennsylvanians is on the rise, but I was a little surprised to see such a statistic evidenced in the South Side library. Who knew that the catalog of books available could reflect a growing flux in demographic?

Though the Carnegie Libraries have a history of being dynamic, certain aspects haven’t changed at all. At any of the smaller branches, you can find a section devoted to local history. Scott referred me to a group of

filing cabinets in the corner of her office. In her words a “throwback to the old system,” the local history section of any Carnegie Library is likely to be a collection of pamphlets, fliers, and newspaper articles that capture the history of its neighborhood. It’s a collection of documents from the past, dating back to the end of the 19th century. This is only one example of how every public library in Pittsburgh has its own personality, reflective of its environment.

It’s nice that the libraries have a stable tradition of cataloging history, but sometimes a lack of change overlaps with disrepair. When I asked Scott what kind of special events the South Side branch held, she told me that a significant limitation to hosting members of the community is that the library is not fully wheelchair accessible. There’s a ramp leading up to the front door, but the only conference room is in the basement, which requires the use of a stairwell. Additionally, the South Side library lacks climate control, which can cause an unpleasant environment during the summer and winter months. From the outside, the library looks like a landmark of the past, but these internal constraints aren’t just authentic — they’re inconvenient.

Compare all of that to the main Carnegie Library in Oakland, where a security guard watches the entrance. Originally opened in 1895, the library is large enough to fit in with the neighboring museums. Its first floor was recently remodeled, and the people of Pittsburgh certainly appreciate its grandeur: Suzanne Thinnes, the communications coordinator of the Oakland branch, mentioned that the library recently hosted its first wedding. While libraries such as the one in South Side cater to older Pittsburghers, the main library is targeting

everyone. Thinnes pointed out that Oakland is one of the most diverse areas in Pittsburgh. The rare book room and music and art section are two of the primary attractions. Despite having libraries on campus, college students frequent the main library, valuable both for its selection and location.

So why aren’t more libraries like the Oakland branch? Library revitalization benefits not just the library itself, but also its community. Thinnes labeled the Carnegie Libraries as “community anchors.” Whenever a library is renovated, you can expect a resulting economic boost in the area. The renovation spurs an increase in library attendance, which in turn increases the patronage at local businesses, such as restaurants and cafés. And a rebuilt library will also beautify its surroundings. Just look at the intersection of Forbes and Murray, where the newly revitalized Squirrel Hill library steals the show.

There’s one obvious reason why some libraries are being revamped, while others — such as the South Side branch — have not yet been touched: money. Most people think that Andrew Carnegie provided the city of Pittsburgh with an endowment for its libraries. Regrettably, said Scott, the “nine people out of 10” who are under that impression are mistaken.

Years before he sent the famous “My heart is in the work” letter, Andrew Carnegie had another philanthropic pursuit on his mind. In 1890, he proposed the idea for a system of public libraries in Pittsburgh. He gave \$1 million to the city to cover the construction of the main Carnegie Library of Pittsburgh in Oakland and five others, but — as Scott was eager to point out — did not pay for the books or grant an endowment.

The endowment that many erroneously believe provides library funds was actually allotted by Carnegie solely for the preservation of the city’s museums.

It thus became the job of the government — and more importantly, the community — to set up and maintain the Pittsburgh libraries. If you know anything about Andrew Carnegie and how he thought, it might seem natural that this is exactly what he wanted. Thinnes explained that Carnegie believed that since the new libraries were to be for the common man, it followed that the common man was also responsible for them.

Throughout the entire project, it is certain that Carnegie meant for his libraries to be used by the laymen of Pittsburgh. Before the system was implemented, libraries had been strictly private institutions. In his youth, Carnegie had been allowed to benefit from such libraries by the kindness of their owners, but many were not so fortunate. Carnegie believed that education and literature were not luxuries for the affluent, but rather tools to improve the mind that were fit for the common man. That explains the promise adorning every one of Carnegie’s libraries: “Free to the People.”

But what does that have to do with the population of Carnegie Mellon? We’re already paying \$30,000 a year; why should we care about free books? Here at Carnegie Mellon, we’re not really the common man. We’re learning more from our teachers than any library could teach us, right?

Well, the Carnegie Libraries might not be giving our professors a run for their money, but there is one particularly compelling success story of a library-goer

who received an excellent education — for free. This is the story of August Wilson, the late African-American playwright who wrote *Fences* and *King Hedley II*, among other works. Wilson achieved immense success as an adult, but began modestly as a pupil of the Carnegie Libraries.

A teenager unimpressed with his school system, Wilson dropped out of Gladstone High after one of his teachers questioned the authorship of a paper he’d written on Napoleon. He was initially wary of telling his mother about his decision, and for a while took to pretending that he was still going to school each morning. To fill the hours, Wilson got in the habit of visiting the main Carnegie Library in Oakland.

And here is where his education finally began. Wilson claimed that his time at the library in Oakland was ultimately of extreme import to his life: He once said, “Labor Historians do not speak well of Andrew Carnegie ... [but he] will forever be for me that man who made it all possible for me to be standing here today.”

Overall, the present situation of the Carnegie Libraries is complicated. They have a rich history of presenting the personalities of their neighborhoods and providing literature to the common man. Though some, including the South Side branch, still lack central air and an elevator, the “Free to the People” motto above the door has endured, and so has its legacy. Would Andrew Carnegie be satisfied with his libraries? That question may remain unanswered for the ages, but in the words of Lydia Scott, “His mission has been met.”

Above: The Carnegie Library in Oakland serves both CMU and Pitt students.

From left to right: The Carnegie Library in South Side hasn’t been changed since 1908, and remains in relatively poor condition in comparison to the other local Carnegie Libraries.

The ornate interior of the Oakland library reflects much the same feeling of surrounding museums.

The Squirrel Hill branch of the Carnegie Libraries was recently renovated completely.

Library patrons sit and read inside the modernized Squirrel Hill library.

Photos by **Deren Guler** | Photo Staff



Big Al's Metal Shop

Opeth rocks the local scene

Despite the blinding cold of last weekend, rock fans in this town could take solace in the warmth of another place: this past Saturday saw on the order of one million tanned, drunk, writhing bodies on the sands of Copacabana Beach in Rio de Janeiro. Nothing out of the ordinary for a Brazilian summer, except that they were all guests of the Rolling Stones, as they hosted a pre-Carnaval party to end all pre-Carnaval parties.

Why should that make 'Burghers smile, you ask? Well, it reminds us that a country as glorious as Brazil exists. But even more so, it reminds us that live music is the lifeblood of any city's culture, whether there's sand or snow between your toes. While Rio will always be Rio, Pittsburgh was recently named the best city for rock in America. Perhaps this was a bit premature, with the recent spate of venue closings in Oakland and the Strip. But this Saturday also saw the return of Pittsburgh to its glory days, as it once again hosted relevant, meaningful concerts in a mid-level venue. Yes, the year has begun with Opeth playing one of the most eagerly awaited shows in recent memory, and it only gets better from here. Next month continues the European invasion with Children of Bodom playing a headlining show — a sell-out, hopefully. And if we may dare to dream, a few beloved lost venues could always come online again, no?

Until that happens, there are other signs that Pittsburgh is on its way to truly earning its distinction as the best city in America for rock. On the club level, we're starting to get a fairer shake as far as national and international acts go. Tours that would usually pass us by are now stopping in. For example, Overkill plays the Rex Theatre on the South Side

tomorrow. Now, if you haven't been, the Rex has chairs all the way to the stage. Not exactly metal-friendly, but fans have made it work so much so that the Rex returned the favor last year by booking important acts like Kings X and UFO. After the shuttering of Club Laga in Oakland, the Rex has stepped up its bookings, and the year ahead looks good.

So, back to the Opeth show at Mr. Small's in Millvale, where Devin Townsend's band and Dark Tranquility opened. If you remotely like metal, you were there. No hype necessary for this one. If any band has a chance at developing a Phish-like following, it's the Swedes that, er... rock. Mixing space-prog-metal with intelligent lyrics is not the shortest path to success in the arena of heavy music. At least not in the current musical environment. While radio is no longer enamored with rap-metal, you're still not likely to hear an Opeth song on commercial radio. But it doesn't matter. Good music finds a way to its audience. As the word of mouth grows, so will the club sizes for Opeth. If you missed them this time, go on a road trip and see for yourself. The crowd, with its attention and devotion, reflects the ethic these musicians devote to their craft. You may even find yourself sitting down somewhere just so you can listen to the music in its unspoiled entirety.

Now, most bands would be frightened to go on after the Tasmanian devil known as Devin Townsend. I have personally seen him lay waste to crowds large and small as the leader of Strapping Young Lad. It's always fun to watch him heckle the audience, tormenting and teasing them. It's even cooler to see large men cackle at being made fun of. Having said

that, the DTB is a much different affair. Not the straight-forward assault that is Strapping, the DTB is an outlet for another side of Townsend's soul, introspective and a perfect match for Opeth. Touring behind a new album, *Synchestra* (out now on Pittsburgh's own Inside Out Records), Townsend and company are out gently lulling audiences into a peaceful state while his Strapping mates commence writing their next album until he returns. Actually, that's not completely true. *Synchestra* is a beast of an album at times. There is ferocity, but it is the kind of fierce outburst for which a caged tiger is known, rather than a free one. This to me is the sense of *Synchestra*, a release of emotion from a place deep inside Devin's psyche. How it translates live is completely up to the listener.

Oh, and if you missed the Stones in Rio, don't worry. They filmed it for a DVD.

All the best.

Albert Cohen | Senior Pillbox Staff



Courtesy of [roadrunnerrecords.de](#)

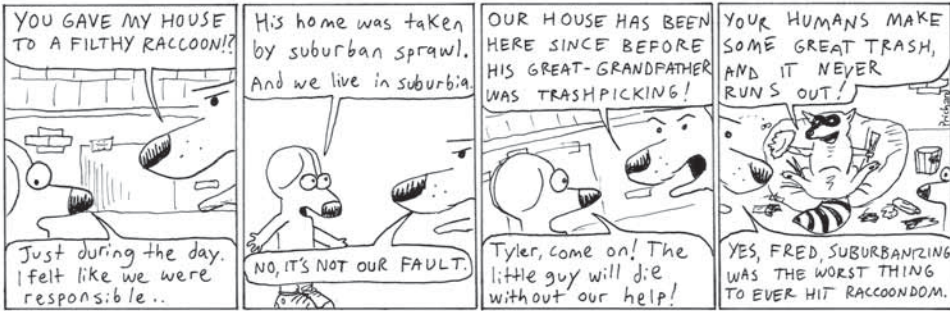
Opeth, pictured here, played recently in Pittsburgh.



Courtesy of [www.massconcerts.com](#)

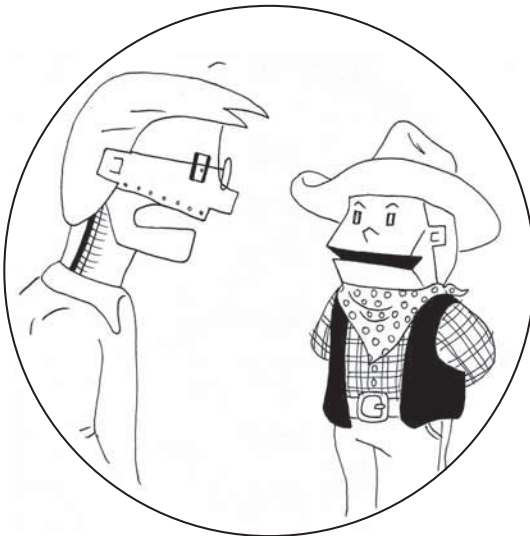
Tyler and Fred by Greg Prichard

gprichar@andrew



Family Circuits by Greg Prichard

gprichar@andrew



"I'm going outside to play 'Brokeback Mountain' with Ted from next door."

All Hail the Jon by Jon Samuels

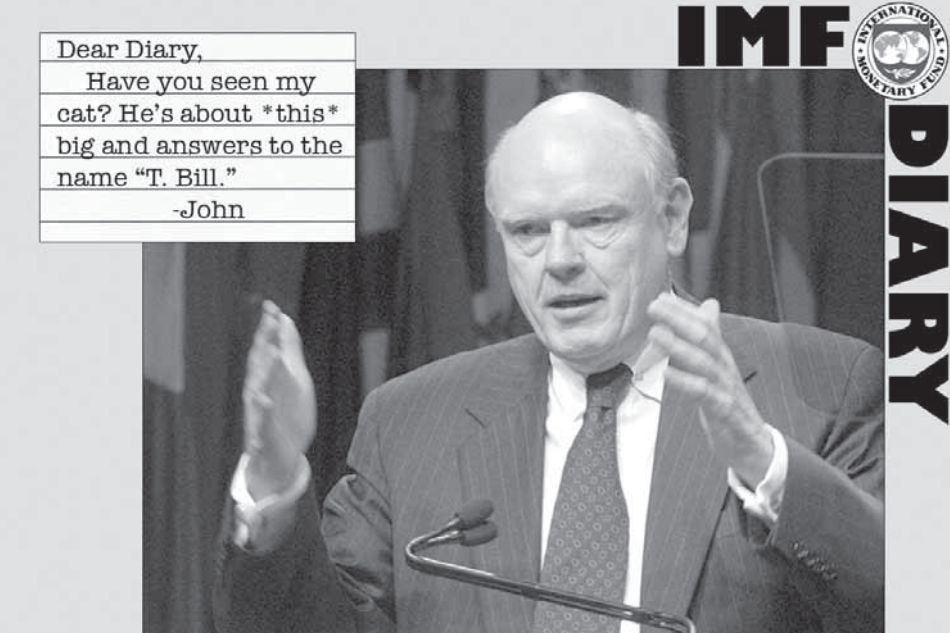
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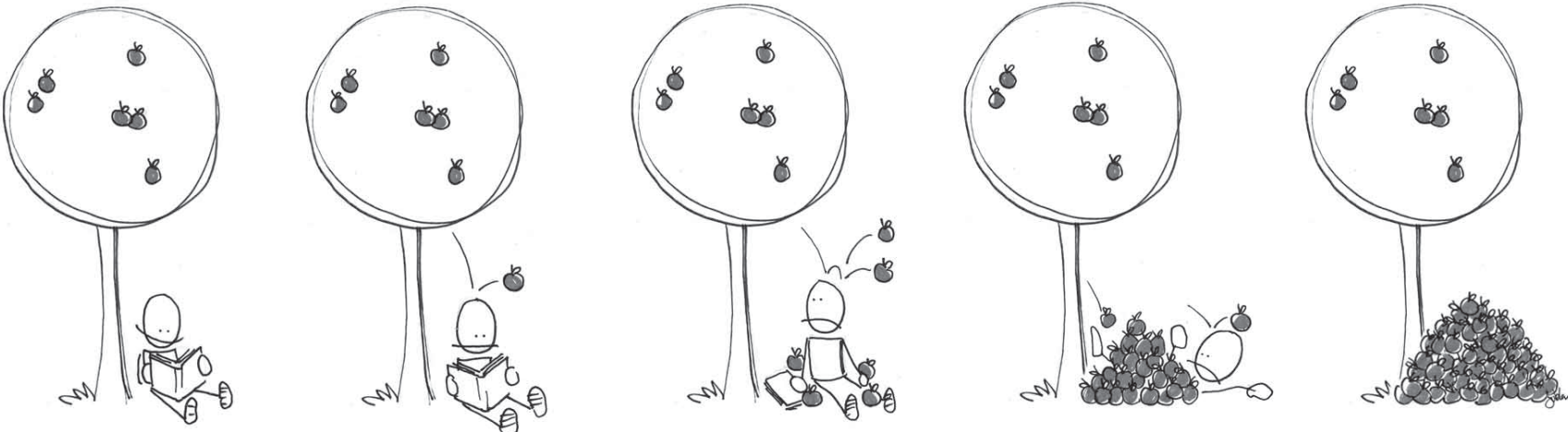
We're All Doomed by Diego Bauzá

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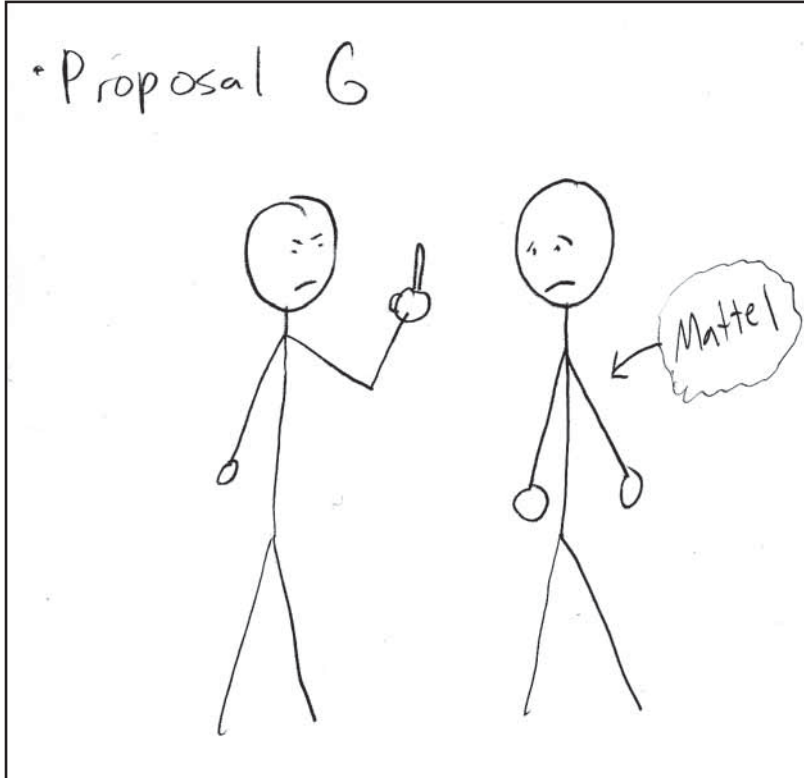
BOBTAFIN: Seriously About Limes



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This is definitely not another cry of desperation for comic artist who want to get their work published...



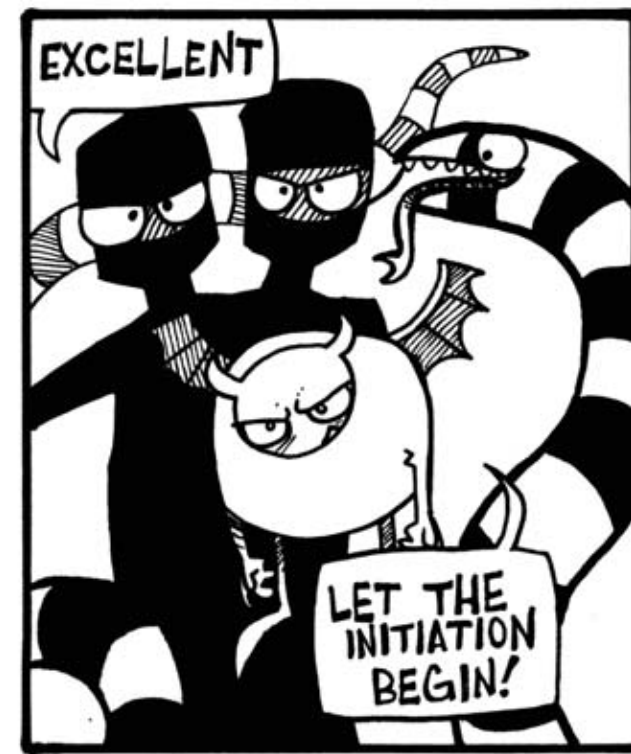
Ph.D. by Jorge Cham

www.phdcomics.com



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COMICKAZE



Horoscopes

aries

mar. 21–apr. 19

You will abandon your plan of taking your leftover Valentine’s Day blow-up doll to class made up as Abraham Lincoln for President’s Day. A stovepipe hat would block the view of people behind you; also, historical data indicate that President Lincoln never wore a pink bikini.

taurus

apr. 20–may 20

Building your own secret distillery will make you the most popular resident on your floor... until you start appropriating the laundry room facilities as grain elevators and mysteriously always smelling of overripe potatoes.

gemini

may 21–jun. 21

Your net worth will drop by \$25 after G-men bust your grandma for counterfeiting savings bonds in 1987.

cancer

jun. 22–jul. 22

Inspired by the Winter Olympics bobsled competition, you will start a campaign for a four-man buggy event during Spring Carnival. The idea will gain cachet until it is discarded when you demand all announcements for the event also be made in French.

leo

jul. 23–aug. 22

You will finally be able to prove that your art major friends have been tying you to a pole in the middle of campus every Thursday night, but you will lose the argument over whether tethered somnambulism represents performance art.

virgo

aug. 23–sept. 22

Your computer will be seized by the federal government. You will assume it’s for copyright infringement and file sharing; actually, the last Windows Update you did put your computer in control of nuclear plants in Pennsylvania, New Jersey, and Maryland.

libra

sept. 23–oct. 22

Your skill in billiards is valuable when hustling gullible friends at the local hall, but making your boyfriend use cue chalk and a bridge in bed is just plain creepy.

scorpio

oct. 23–nov. 21

Three words: Drunken kangaroo boxing.

sagittarius

nov. 22–dec. 21

You will make ethnic stereotype jokes about the Swiss. They’ll declare neutrality and refuse to fight back, except by designing a cuckoo clock with an unflattering likeness of you or by poisoning your chocolate.

capricorn

dec. 22–jan. 19

You will enter into a Faustian pact with the devil to gain advanced knowledge of some midterm answers, but instead of offering him your soul, you’ll agree to design his web site.

aquarius

jan. 20–feb. 18

With eight days to spare, you will finally get the injunction you were seeking to prevent your roommate from giving up pants for Lent.

pisces

feb. 19–mar. 20

You will black out after particularly hardy partying on your upcoming birthday and will awaken the next day as a Congressional candidate for the Republican party.

Adam Greenberg | Contributing Alumnus

Rite On

by Arthur O’Dwyer

1	2	3	4	5		6	7	8	9	10		11	12	13
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60				61						62				
63				64						65				

ACROSS

- Yogurt drink
- Latin lover?
- Squealer
- Range of western Russia
- Jet
- Pal in Paris
- Infectious, in a way
- Squawking parts
- Vietnamese New Year
- TV show set at Bayside High
- Big inits. in telecom
- More than dos
- The Sopranos* actress Falco
- Diagnosis involving a tissue sample
- Former name of present-day Varanasi
- Sidle
- Summons in a fancy restaurant, perhaps
- Advice from a pastor
- Ryan and Dunne, for two
- Ingolstadt motor company
- Gastronome
- Place for three rings
- Frog genus
- Capital of Norway
- Moderators of some RPGs
- Macbeth’s lament
- Nation adjoining Syr.
- “_____ *la vista*”
- Hopping mad
- Head of a corp.
- Go in
- Troubles
- Super Bowl draws
- In unison (2 wds.)
- Cubic meter

DOWN

- Valentine’s Day emotion, in an IM
- Haitian dictator, 2001–2004
- 1777 victory for Horatio Gates
- Silesian or Czech
- Isolated bits of land
- Teacher of Judaism
- Follows orders
- Castle’s first line of defense
- Egyptian mystical symbol
- The Big Board
- Not suitable for kids
- 2001 film by Jean-Pierre Jeunet
- 20 Across and 12 Down, literally
- Like some lectures
- Juggling prop
- McConomy film shower, say
- Cycle rickshaw
- Warner _____
- Earth Day prefix
- Go-ahead
- DNA element
- Ripen, as cheese
- Eliza Dushku series on Fox: _____ *Calling*
- The other woman?
- Express anger more forcefully
- Dashboard ticker
- Catches some Z’s (Scot.)
- Beethoven’s Third
- Put on hold
- Emcees give them
- One-third of nothing worth hearing
- H–Cl bonds, say
- Frequently
- Say “boo” to
- Big bird of South America
- Holm and McKellen
- This, *en español*
- “Bother!”
- Legal suffix?

MONDAY 02.20.06
California Guitar Trio. Club Café. 7 pm. \$18. A blend of rock, blues, jazz, and progressive genres.

Evolution, Schmevolution: The Dover Intelligent Design Trial and Why it Matters. University of Pittsburgh. 7 pm. Presented by the local ACLU.

THURSDAY 02.23.06
Bill Winters: Security. Four Points Sheraton Pittsburgh North. 8 am. Winters is from Homeland Security and will discuss American security and related issues. 412.281.1885 for more information.

Apollo Night. Duquesne University (Duquesne Union Ballroom). 7pm. Music from the 1920s until present, with performances from professional and amateur singing and theatrical groups.

Prefuse 73. CMU Rangos Ballroom. 8 pm. \$8. Girltalk, Vale and Year perform with Prefuse 73.

SUNDAY 02.26.06
Brahms on the Bluff: Dual Duos and a Duet. PNC Recital Hall. 2 pm. \$10. 412.396.4632. David Allen Wehr, Randolph Kelly, and the Pittsburgh Symphony Orchestra.

Luis Recorder and Sandra Gibson. Melwood Screening Room. Two NY artists will present a show of film and light. Call 412.682.4111 for hours.

Broken Mojo. Hard Rock Café (Station Square). 8:30 pm. \$5. Also: Billy and the Inmates.

TUESDAY 02.21.06
QuickBooks Made Easy. Duquesne University (Small Business Development Center). 8:30 am. Free. Four-hour hands-on course that teaches you the basics of company files, chart of accountants, processing accounts payable, and more.

Downbeat in the District. Cabaret at Theatre Square. 5 pm. Regular celebration of local jazz artists.

Undercurrents Music Industry Networking Event. Moondog's Pub. 7 pm. Free. A panel of music related guests will discuss the nitty-gritty of "Artist Development."

FRIDAY 02.24.06
Wine Tasting. Andy Warhol Museum. 5:30 pm. \$12.

Artists of the Commonwealth: Preview Reception. Westmoreland Museum of American Art. 6:30 pm. Free. Enjoy a free party preview of the new exhibit.

Mahagonny. Andy Warhol Museum. 7:30 pm. \$7. Allegory of contemporary life, the film includes portraits of Patti Smith, Allen Ginsberg, and Jonas Mekas.

MONDAY 02.27.06
Mahajibee Blues. Station Square (Red Star Tavern) 5 pm. Celebrate Fat Tuesday.

Downbeat in the District. Station Square. 5 pm. Local Jazz Artists perform.

The Next Generation of Philanthropy. Benedum Center for the Performing Arts. Free. 412.394.3353. Panelists will discuss how the findings of Campos Inc. in 2002 will shape the new generation of entrepreneurs.

WEDNESDAY 02.22.06
NAACP Diversity Job Fair. David L. Lawrence Convention Center. 10 am. Free. Meet with several different companies who support diversity in the workplace.

Moscow Chamber Orchestra. Carnegie Music Hall. 8 pm. 50th anniversary celebration of one of the "greatest chamber music orchestras in the world."

Pittsburgh Banjo Club. Allegheny Elks Lodge #339. 8 pm. Free. Come and listen to the Banjo Club rehearse. Food and drinks are available.

SATURDAY 02.25.06
Graffiti Rock Challenge Semi-Finals Round 4. Moondog's Pub. 7 pm. \$8. Line up includes Drunk by Six, 3 lb Universe and the Sun Kings.

Soul Food Night. Rivers Club (One Oxford Centre). 5:30 pm. \$20+tax/gratuity. Menu includes fried chicken, BBQ ribs, greens, mac and cheese, sweet potato pie, and much more! 412.391.5227 for reservations.

The Grind. Club Zoo. 7:30 pm. \$10. 21 and under only.

Duncan Sheik. Mr. Smalls. 8 pm. Also: David Poe, Jim Boggia.

ONGOING
After Innocence. Harris Theatre. February 17–March 2. A 2005 documentary about the lives of seven inmates convicted of crimes they didn't commit. (Extra credit is being given for 88-120.) 412.682.4111.

Wicked – Story of how two girls in Oz grow up to become the Wicked Witch of the West and Glinda the Good. Benedum Center for Performing Arts. February 22–March 5. 412.456.6666.

Jesus Christ Superstar – Rock Opera. Illustrates the last seven days of Jesus Christ's life in opera fashion. Byham Theatre. February 23–March 5. 412.539.0900 for more information

Classifieds

Pittsburgh Kungfu Center-Kungfu, self-defense, taiji. Beginner classes. First class free. Start anytime. Intro course regularly \$124, \$99 through Feb 24. 412.521.1388, 6520 Wilkins Ave, Squirrel Hill. www.pittsburghkungfu.com.

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Masquerade dance.



Edward Hall | Photo Staff

After enjoying a catered dinner at the Wyndham Garden Hotel, Carnegie Mellon students kick off a Friday night at the SPIRIT- and BGSO-sponsored Masquerade Ball.