

UNIVERSITY of PENNSYLVANIA *Almanac*

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School of Veterinary Medicine Teaching Awards

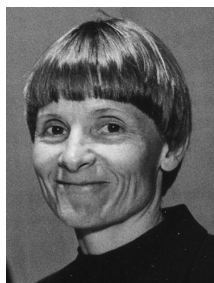
The annual Veterinary Medical Student Government Teaching Awards were presented at a ceremony at the University Museum last month where the School of Veterinary Medicine faculty, students and staff gathered to honor this year's award recipients.

Dean Alan M. Kelly began the ceremonies with the presentation of the Dean's Award for Leadership in Clinical Science Education to *Dr. Michaela Kristula*, assistant professor of medicine at New Bolton Center. *Dr. Michael Atchison*, professor of biochemistry, received the Dean's Award in Basic Science Education. These awards honor one faculty member from the clinical departments and one from the basic science departments who have made outstanding contributions to teaching in their disciplines.

Dr. Debra Baird, assistant professor of radiology, received the Carl J. Norden Distinguished Teacher Award established in 1963 "to recognize outstanding teachers who, through their ability, dedication, character and leadership, contribute significantly to the advancement of the profession."

The four classes then honored the faculty members they considered to be outstanding teachers. The Class of 2001 presented its award to *Dr. Cynthia Ward*, assistant professor of medicine, and *Dr. Billy Smith*, assistant professor of field service. *Dr. David Holt*, associate professor of surgery, and *Dr. Debra Baird*, assistant professor of radiology, were honored by the Class of 2002. *Dr. Linden Craig*, assistant professor of pathology, received the Class of 2003 Award. The Class of 2004 honored *Dr. Paul Orsini*, assistant professor of anatomy.

During the School's Alumni Day celebrations on May 20 at New Bolton Center, the Veterinary Medical Alumni Society presented the Veterinary Medical Alumni Society Excellence in Teaching Award to *Dr. Michael Goldschmidt*, professor of pathology. This annual award is presented by the VMAS to an educator recommended by recent graduates.



Michaela Kristula



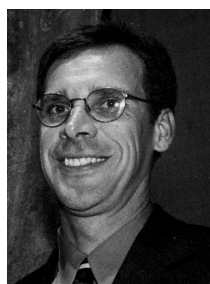
Michael Atchison



Debra Baird



Cynthia Ward



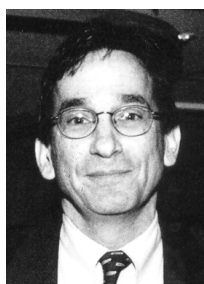
Billy Smith



David Holt



Linden Craig



Paul Orsini



Michael Goldschmidt

Information Partnership

A newly launched service offers Penn's alumni access to many of the electronic resources already available to Penn's students and faculty, such as full-text of books and articles.

Penn's Library and Northern Light Technology Inc., a leading provider of information-management solutions, have created an information-rich portal for the University's 248,000 alumni. It includes links to web sites organized by subject, as well as to thousands of e-journals and e-newspapers.

The Library has also mounted thousands of online books and journals through its Schoenberg Center for Electronic Text and Image. The Schoenberg Center site also includes hundreds of illuminated medieval manuscripts and

(continued on page 3)

Heuer Professor: Dr. Gorte



Raymond Gorte

Dr. Gorte is the new Russell Pearce and Elizabeth Crimian Heuer Professor of Chemical Engineering. He has been a faculty member of the School of Engineering for 20 years, during which he served the Chemical Engineering Department in many capacities, including that of Department Chair. Dr. Gorte's research in solid-oxide fuel cell technology has received widespread attention and has been instrumental in increasing the understanding of surface reactions that have led to important applications in industrial practice. He is well known for the development of novel experimental techniques in the field of kinetics and catalysis. Dr. Gorte is the recipient of a number of catalysis awards, including the 1999 Paul H. Emmett Award in Fundamental Catalysis of the North American Catalysis Society.

Dr. Gorte is an alumnus of the University of Wisconsin, where he received his bachelor's degree in 1976, and of the University of Minnesota, where he received his Ph.D. in 1981.

The Heuer Professorship was established through a contribution from the Russell Pearce and Elizabeth Crimian Heuer Foundation in support of science education. "Ray is an excellent choice for the Heuer Chair. He is an outstanding educator and mentor of graduate and undergraduate students, both in and outside the classroom. Undergraduates continually seek the opportunity to work with him in his laboratory," said Dean Eduardo Glandt. "His research represents the best in engineering science and has brought significant distinction to Penn."

Research Foundation Guidelines

The new, revised guidelines for the University Research Foundation are available on the web at www.upenn.edu/research/FoundationGuidelines.htm.

See page 5 for the recipients of the Spring 2001 Research Foundation Awards and the Research Foundation Committee for Fall 2001.

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Baccalaureate/Commencement 2001

Trustees Meeting Coverage

At the May 17 Stated Meeting of the Executive Committee of the Trustees, a resolution was passed changing the name of the Board of Advisors to the Board of Overseers for both the Annenberg Center and the ICA. This change serves to "standardize the nomenclature for all Penn's freestanding centers whose missions are closely aligned with the academic mission of the University."

President Judith Rodin announced the appointment of Dr. Robert Martin as the CEO of UPHS (*Almanac* May 15) citing the Health System's financial turnaround. President Rodin presented a resolution on the appointment of Maureen Rush as Vice President for Public Safety, and another on the reappointment of Dr. Alan Kelly as dean of the School of Veterinary Medicine for a term of five years; both were passed (*Almanac* May 15). Dr. Rodin described the redesigned Commencement stage with the new perspective (*see the back page*).

Provost Robert Barchi said there are efforts underway to improve the research infrastructure, and to oversee compliance, especially with research involving human subjects. He also noted the significant level and number of scholarships that students have won this year including the two Gates Scholarship winners (*see page 4*).

EVP John Fry presented the financial report for the period July 1, 2000 to March 31, 2001, noting that the University increased its net assets by \$131 million to \$4.5 billion. Most of this increase is the result of non-operating contributions to the endowment. There was an increase in net assets from operating activities of \$23.8 million. Operating revenue has increased by about 8.3% over the comparable period in FY2000. Operating expenditures increased 6.6%. The Health Services component of the Health System had an overall increase in net assets of \$50.5 million. "Health Services management continues efforts to preserve overall liquidity by limiting capital expenditures and improving receivable collections."

In Mr. Howard Marks' Investment Board report he said that Penn had the second best endowment results out of 32 peer institutions for the fourth quarter of 2000.

Budget and Finance presented two resolutions which were approved—one concerning the revised scope and budget for the design and construction of Levine Hall and the other concerning Pennsylvania Hospital.

Resolutions were also passed to revise the definition of clinical appointments to the associated faculty and academic support staff in the School of Medicine and to establish practice professorships in SEAS.

UPHS Government Relations

Russ Molloy, Associate Executive Vice President for Government Relations for UPHS, has left to join the Meridian Health System in New Jersey. He is now the Vice President for Government Relations at Meridian, a chain of three hospitals based in Wall Township that has 7,000 employees and a \$650 million annual budget. With its flagship institution, the Jersey Shore Medical Center in Neptune, the Meridian chain is a major teaching affiliate of the University of Medicine and Dentistry of New Jersey (UMDNJ).

Inquiries regarding government relations for UPHS can be forwarded to Michelle Krycia in the UPHS Office of Government Relations at (215) 349-5136.

SENATE From the Senate Office

Election of Assistant Professor Member

No nominations were received by petition and the Senate Nominating Committee's nominee Sean P. Clarke (nursing) is declared elected to a 2-year term effective immediately as an assistant professor member on the Senate Executive Committee.

PPSA Officers and Board: 2001-2002

The PPSA Board for 2001-2002 was elected at the May 24 Annual Election Meeting. Listed below are the officers and the members of the Board for the coming academic year.

<i>Past Chair</i>	Anna Loh, Wharton School
<i>Chair</i>	Adam B. Sherr, School of Nursing
<i>Chair Elect</i>	Anne Mickle, Stouffer College House
<i>Vice Chair</i>	Trish A. diPietrae, School of Veterinary Medicine
<i>Vice Chair Elect</i>	Rodney Robinson, Office of Student Life

Members At Large

Second Year (expires May 2002)

Lyn Davis, Office of Student Conduct
Jack B. Lewis, African-American Resource Center
Lynn Rotoli, Housing and Conference Services

First Year (expires May 2003)

Andy Atzert, Wharton Executive Education
Beth Hagovsky, Wharton Undergraduate Division
Leah Smith, Office of Vice Provost for University Life

A-3 Assembly Executive Officers: 2001-2002

<i>Chair</i>	Troy Odom, Office of Affirmative Action
<i>Vice Chair</i>	Mary Grau, Dept of Animal Biology, School of Veterinary Medicine
<i>Secretary</i>	Amy Bogdanoff, School of Veterinary Medicine
<i>Treasurer</i>	Emily Damanskis, IHGT
<i>Former-Chair</i>	Regina Cantave, Vice Provost for Computing
<i>Former-Vice Chair</i>	Karen Pinckney, Facilities Planning and Operational Services
<i>Former-Secretary</i>	Danielle Kradin, Office of the Provost
<i>Former-Treasurer</i>	Terri J. Brown, Human Resources

Mail Service Changes: New Service Offerings and Surcharge Increase

Surcharge Increases from 10% to 12%

Penn Mail Services will be increasing its surcharge from 10% to 12%, effective July 1, 2001. The fee increase is necessary to continue to offer the same quality of service and cover the rising costs for services paid by Penn Mail (i.e., costs of operations including fuel, utilities and equipment maintenance, new equipment purchases, relocation expenses, and employee wages/benefits).

Penn Mail Service currently provides the following services at no cost to departments:

- Sorting and delivery of approximately 2.6 million pieces of intramural mail
- Direct delivery service (twice daily) to 106 buildings and 159 mail stops
- Metering of more than 6.8 million pieces—all mail classes
- Provision of intramural mail envelopes
- Early morning mail pick-up at USPS for early distribution
- Pick-up of UPS ground shipments for same-day processing
- Bulk mail pick-ups for large orders (with prior notification)
- Provision of USPS trays and tubs for large mailings
- Consultative services on correct address, design, and postal discount policies

New Services; Savings Opportunities

New for 2001, Penn Mail Service (PMS) has purchased sorting equipment with advanced technology that accurately captures all classifications of USPS mail, ensuring that mail gets sorted in the appropriate postage categories. Additionally, PMS offers other opportunities to save on mail jobs, including competitive fold-

ing/insertion rates and mailing list verification and certification which eliminates duplicate names and addresses, ensures correct addressing to save on undeliverable mail costs, and offers "action messages" to attract recipients' attention.

Postal Rate Increase

The U.S. Postal Service has made several changes to its mail classes and rates, which also take effect July 1, 2001. The table below offers a summary of the key services and changes.

For a complete listing, consult the USPS website: <http://www.usps.com/ratecase/>.

Service	Current Rate	New Rate (effective 7/1)
First Class Letter		
1 ounce	.34	.34
Additional ounce	.21	.23
Postcard	.20	.21
Express Mail		
1 lb.	\$12.25	\$12.45
Up to 2 lbs.	\$16.00	\$16.25
Flat rate env.	\$16.00	\$16.25
Services		
Certified mail	\$1.90	\$2.10
Domestic money orders	.75	.90

Penn Mail Service will continue its efforts to offer the University community high quality service at competitive rates. If you have questions regarding our offerings or any of the changes effective July 2001, please feel free to contact us at (215) 898-MAIL.

Additional information may be found on our website: www.upenn.edu/bus-svcs/mail/.

—Robert Furniss, Director,
Transportation and Mail Services

Speaking Out

Locker Privacy

The attached letter was sent to Dr. Michael Diorka, Director of Recreation, regarding the opening and removal of items in my locker at the Gimbel Gymnasium. I still have not received a response to my letter. I believe that the principle of privacy is inviolate and that this gross invasion of privacy must be brought to the attention of the University community. This kind of invasion is equivalent to entering our offices and removing files or other items without permission.

In the over 40 years I have been associated with the University, I have always been proud of the occasions when my colleagues would lean over backwards to avoid any even the appearance of the invasion of my privacy. Thus the idea that some unknown employee could open my locker and remove items, even if they were contraband, is abhorrent to me. If this is administration's policy then I believe it is incumbent upon them to spell out the limitations in our privacy rights.

I would note that the University spent considerable time and effort in developing a privacy statement for our e-mail communications with the idea of ensuring the utmost privacy consistent with the limitations of the medium. Surely, we can expect that our private offices and lockers merit an even greater level of security from administrative searches.

— *Burton Rosan, Professor Emeritus, Dental Medicine*

I recently experienced a shock when I discovered that Recreation Personnel had entered my locker in Gimbel Gym without my permission or prior notice. Presumably the purpose was to remove some old towels that were perceived to be University property. Had anyone bothered to check with me, I believe I could have satisfactorily explained the presence of these items in my locker. Regardless of the circumstances, entering a private locker and removing anything therein without a warrant or some prior notification and/or permission seems to me a gross violation of privacy that is generally assumed at this University. This is the equivalent of entering my office and removing documents or other belongings without permission and it cannot be condoned or tolerated.

I would appreciate an explanation and a warrantee that this invasion of my privacy or indeed the privacy of any person at this University will not occur again.

Burton Rosan

Speaking Out welcomes reader contributions.

Short, timely letters on University issues can be accepted by Thursday at noon for the following Tuesday's issue, subject to right-of-reply guidelines. Advance notice of intention to submit is appreciated. —Eds.

Photo Correction



Stuart Diamond

In the May 15 issue, a photograph of the wrong Dr. Diamond appeared in the centerspread on the Wharton School's Faculty Teaching Awards. This is the photo of *Dr. Stuart Diamond* that should have appeared. We regret the error. —Eds.

Information Partnership

(continued from page 1)

the "finest collection in the world of Shakespeare facsimiles," said Vice Provost and Director of Libraries Paul Mosher.

The Alumni and Friends Library portal, www.library.upenn.edu/portal, has links to millions of full-text articles provided through arrangements made by Northern Light Technology which has negotiated for more than 7,100 magazines, journals and newspapers.

Eighty percent of the results are free; there is a cost, from \$3-5, to purchase some articles, with a money-back guarantee.

Alumni Reunion Gifts: Setting New Records Again

Five of the 14 reunion classes that presented their checks to President Judith Rodin during the Friday night dinners and the Alumni Day picnic set new records for their respective reunion years, according to Ken Goebel, Director of The Penn Fund—and many designated all or part of their contribution to the endowment of scholarships, a high priority in the *Agenda for Excellence*. This year's gifts and givers, with record-setters marked [*], are:

Class	Reunion	Total Dollars	Donors	Project
1936	65th	\$419,562	72	Endowed Scholarships
1941	60th	\$873,117	180	Class of 1941 Memorial Scholarship
1946	55th	\$226,149	103	Endowed Scholarships
1951	50th	\$3,774,680	311	Endowed Scholarships
1956	45th*	\$11,626,574	255	650K Endowed Schol./250K Penn Press/100K sculpture
1961	40th*	\$2,274,474	257	Endowed Scholarships
1966	35th	\$3,486,386	277	Endowed Scholarships
1971	30th	\$1,745,608	375	330K Endowed Scholarship/150K Quad seminar room / 20K Memorabilia Case
1976	25th	\$2,336,634	516	1M Quad Grand Staircases; remainder to Endowed Scholarship
1981	20th	\$877,711	516	Unrestricted
1986	15th*	\$1,870,996	430	Unrestricted / Endowed Scholarships
1991	10th*	\$478,210	396	Unrestricted
1996	5th*	\$189,247	325	Unrestricted / Endowed Scholarships
2001	senior	\$21,797	273	Staircase in Houston Hall

DEATHS

Dr. Malamed, Dental Medicine

Dr. Emanuel Hayes Malamed, a retired clinical professor of periodontics, in the associated faculty of the School of Dental Medicine, died on May 9, at the age of 80.

Dr. Malamed received his dental degree from Penn and served in the Army during World War II performing dental work at Army camps state-side. He began his teaching career in 1957 as an associate instructor and by 1995 held the position of clinical associate professor, a title which he held at the time of his death. While an associate instructor at the School of Dental Medicine, he earned a Certificate of Periodontics.

He is survived by his wife Frances; daughters Karen Albert and Cheryl Bromwich; four grandchildren; one great-grandchild; and a sister.

Memorial contributions may be made to the Philadelphia County Dental Society Scholarship Fund, One Independence Place, 241 S. Sixth St. No. C3101, Philadelphia, PA 19106-3797.

Mr. Qualls, GSFA

George W. Qualls, emeritus professor of architecture, died on May 12, at the age of 77.

Professor Qualls, he came to Penn as a professor of Architecture in 1952 and continued his affiliation until he retired in 1990. A partner in the firm of Geddes, Brecher, Qualls & Cunningham, Mr. Qualls and his firm designed

the Moore School in 1956. He designed buildings throughout Philadelphia including the Police Administration Building (Roundhouse) the Wyndham Philadelphia at Franklin Plaza and the SmithKline office building also in Center City. Professor Qualls' work also included design of the Birmingham-Jefferson Civic Center in Birmingham, Alabama and renovations to the Philadelphia Museum of Art.

He received his bachelor's degree in architecture from North Carolina State University in 1950 and his masters from Harvard in 1952. Professor Qualls also served in World War II at the Battle of the Bulge and received a Purple Heart.

Dr. Snow, Medicine

Dr. Laurence H. Snow, a former clinical professor of psychiatry at Penn, died on May 4 at the age of 68. Dr. Snow received his bachelor's degree from Harvard and his medical degree from Temple in 1956. After serving in the Navy he completed his residency in 1962 at UPHS and taught at Penn from 1979 to 1984. He taught at the Medical College of Pennsylvania where he founded and directed the graduate program in social sciences through 1978.

He is survived by his wife, Carol Scholz Snow; sons Jack K. and William G.; and two granddaughters.

HONORS & Other Things

HERS: Ms. Calhoun and Ms. McCue

This year Penn will send *Amy Calhoun*, associate director, digital media design program and *Nancy McCue*, project manager, campus services, to the Summer Institute for Higher Education. They will join women from across the country in the month-long program on the Bryn Mawr campus. The program is co-sponsored by Bryn Mawr College and Higher Education Resources (HERS) Mid-Atlantic.



Amy Calhoun



Nancy McCue

Keck Award: Ms. Greene

Virginia Greene, senior conservator at University Museum, has been awarded the Sheldon & Caroline Keck Award from the American Institute for Conservation. The award annually honors one or two senior conservators with a sustained record of excellence in the education and training of conservation professionals. Dr. Joyce Hill Stoner, Chair of the American Institute for Conservation's Award Committee noted that Ms. Greene, "has a long history of mentoring conservation students at all levels, from pre-program students to interns from conservation programs to post-graduate interns coming with a specialized focus."

Nursing Medallion: Dr. Bowles

Kathryn H. Bowles, research assistant professor, Center for Gerontologic Nursing Science, School of Nursing, has been awarded the Villanova University College of Nursing Medallion for Leadership in Nursing Research. The Award is given once a year to a Villanova alumni for outstanding achievements in the profession.

Preservation Award: Penn

Last week, Penn received the Board of Directors' Award from the Preservation Alliance for Greater Philadelphia. The University was cited as "...a potent force for historic preservation, both on campus and in its surrounding residential neighborhoods. Penn's 'West Philadelphia Initiatives,' launched by President Judith Rodin when she became University President in 1994, is resulting in the restoration of historic buildings throughout University City's eight National Register of Historic Districts. Over 175 families have enjoyed University housing subsidies for faculty and staff, resulting in widespread improvements to West Philadelphia's Victorian-era housing stock." The organization also recognized that, "Rather than construct a new building for a campus center, Penn stitched together historic buildings into the new Perelman Quad, resulting in the beautiful restorations of Irvine Auditorium and Houston Hall. Penn's overall preservation achievements have significantly improved the character of its campus, benefiting the entire city."

This is the eighth year the Preservation Alliance Achievement Awards were presented for achievements in restoration and preservation in the Philadelphia region's built environment.

Carnegie Fellow: Dr. Smith

Dr. Rogers Smith, the Christopher H. Brown Professor of Political Science, has been named a Carnegie Scholar. Dr. Smith is one of 16 fellows who were recognized for their innovative scholarship in areas of interest to the Carnegie Corporation of New York. Dr. Smith's research topic is *Civic Horizons: Achieving Democratic Citizenship in Modern America*.

"We want to encourage and support scholars of vision who ask the tough questions, analyze the intractable problems facing the country and the world and seek to find new ways of stimulating positive social change that advance our goals," said Dr. Vartan Gregorian, president of the Carnegie Corporation. Dr. Gregorian inaugurated the Scholars program in 1999 with the aim to support path-breaking research that expands the intellectual margins of the Corporation's program areas.

SEAS Staff Recognition Award



Terry Kientz

"In recognition of the important role that staff play in supporting faculty, students and the goals of the School of Engineering and Applied Science," SEAS established the Staff Recognition Award. The award recognizes non-faculty employees who contribute in an extraordinary way to achieving the aspirations of the School and who inspire excellent performance from others. This year's award went to *Terry Kientz* of the Department of Mechanical Engineering and Applied Mechanics (MEAM). Mr. Kientz is an electronics engineer who began his career at SEAS in September 1997, and in a rather short time has taken on numerous and varied responsibilities. Faculty have commented on Mr. Kientz's versatility and creativity in the design and fabrication of electromechanical systems and in the use of micro-processors for both data acquisition and control. As reported by the Award Committee, overwhelmingly positive support letters for Mr. Kientz's nomination were received from many students, faculty and staff. Dr. John Bassani, Chair of the Mechanical and Applied Mechanics Department, said "Terry is a truly creative and resourceful person who likes to work with others. He is always willing and eager to help, and he welcomes new challenges. He took on this job when an employee of 15 years left for a new opportunity—Terry hit the ground running and hasn't stopped since!"

Miller Center Fellowship

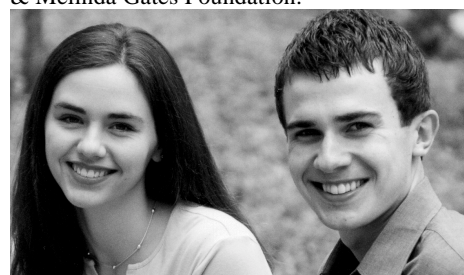
Margaret Pugh O'Mara, a graduate student in history, has received the 2001 Miller Center Fellowship in contemporary politics, policy and political history for *Cities of Knowledge: Cold War Politics and the Roots of the Information Age Metropolis, 1945-1975*. Ms. O'Mara's research explores how increased federal spending on higher education and scientific research, spurred by Cold War politics, transformed major U.S. metropolitan areas by encouraging high-technology, high-skill employment sectors.

The Miller Center Fellowship is from the University of Virginia's Miller Center of Public Affairs and awards each fellow a one year grant to support writing and research in American political development.

Two Gates Recipients

Amanda Codd, C '01, biological basis of behavior with a minor in chemistry, and *Bart Szweczyk*, W '01, finance and legal studies, have received the inaugural Gates Cambridge Scholarship for study at the University of Cambridge.

The scholarships are for a tenure of one to three years at the University of Cambridge. The scholarship program is funded through the Bill & Melinda Gates Foundation.



Amanda Codd and Bart Szweczyk

Mellon Scholar

Sophia Malamud, C '01, linguistics and mathematics and a University Scholar, has received an Andrew W. Mellon Fellowship in Humanistic Studies. The fellowship provides one-year of graduate study in the Humanities, including a stipend, tuition and fees.

Beinecke Scholar

Yaran Noti, C '02, English, has received the Beinecke Brothers Memorial Scholarship. He is one of 20 winners in the national competition. Under the scholarship, Mr. Noti will study Medieval or Renaissance literature as part of his graduate studies.

Jane Wallace Scholarship

Gabriella Ianoale, C '02, and *Alison Fair*, C '02, have been selected to receive 2001 Jane Wallace Memorial Theatre Internship Scholarships. The scholarships will provide for financial support allowing Ms. Ianoale and Ms. Fair to pursue professional theatre training and apprentice programs for the summer of 2001.

The Wallace award was established in 1989 by George Wallace '39 in memory of his wife Jane, whom he met at a Pennsylvania Players audition.

Levi Travel Fellowships

The William A. Levi Travel Fellowships, based on merit and financial need, are awarded to outstanding Penn students to participate in one of Penn's non-Western-European programs as part of the Summer Abroad Program. This year's winners are:

Jamie Osnato, C '02, to Buenos Aires.

Shaun Gonzales, C '03 to India.

Margaret Watt, C '02 to Seoul.

More Fulbrights....

Veronica Aplenc, a graduate student in Folklore and Folklife for *Islands of Confinement* will study in Slovenia.

University Symphony to Beijing

Seventy members of the University's *Symphony Orchestra*, with conductor Ricardo Averbach, performed with the Beijing Opera performer Sun Ping in Beijing. Both performances were part of the second "Meet in Beijing" Arts Festival on May 27 and 28.

On May 30, the Orchestra will perform at the Chinese University of Hong Kong. The Chinese University of Hong Kong and Penn maintain strong relations through joint academic programs.

University Research Foundation Awards Spring 2001

Sherrill Adams, Biochemistry, Dental Medicine; *Retinoids as Integrators of Positive and Negative Regulation of Endochondral Bone Formation*
Richard Assoian, Pharmacology, Medicine; *Quantitative PCR in Molecular and Cellular Pharmacology*

Rita Barnard, English, SAS; *Postapartheid South Africa and Postcolonial Theory*

David Boettiger, Microbiology, Medicine; *Genetic and Biophysical Analysis of Fractalkine-CX3CR1 Mediated Cell Adhesion*

Gershon Buchsbaum, Bioengineering, SEAS; *Independent Component Analysis of Auditory-Visual Scenes and its Possible Neural Context*

John Crawford, Psychology, SAS; *Neural Analysis of Communication Sounds*

Greg Enders, Medicine, Genetics, Medicine; *Bridging the Gap: Cdk2 Links DNA Synthesis and Mitosis in Human Cells*

Steven Fakhrazadeh, Dermatology, Medicine; *Genetic Analysis of Disorders Predisposing to Basaloid Skin Tumors*

Peter Flynn, Biochemistry and Biophysics, Medicine; *Thermodynamics and Mutational Analysis of the NHPX-RNA Interaction*

Feng Gai, Chemistry, SAS; *Conformational Dynamics of Single Protein Molecules*

Gautam Ghosh, Anthropology, SAS; *Nation, Migration, Diaspora: Population Displacement in South Asia*

Andrea Grottoli, Earth & Environmental Science, SAS; *Sclerosponges and Paleoclimate Reconstruction*

Wei Guo, Biology, SAS; *The Role of Cdc42 on Polarized Exocytosis*

Niels Haugaard, Surgery, Division of Urology, Medicine; *Regulation of Acetyl Choline Synthesis by Lipoic Acid*

Joan Hendricks, Clinical Studies-Philadelphia, School of Veterinary Medicine; *Neural and Genetic Substrates of Drosophila Rest*

Joan Henthorn, Clinical Studies-Philadelphia, School of Veterinary Medicine; *Molecular Characterization of a Canine Model of Human Nonsyndromic Deafness*

Jianhua Huang, Statistics, Wharton; *Time-varying Coefficient Models for Longitudinal Data*

Karen Jehn; Katerina Bezrukova, Management Wharton; *Exploring Ethnic Faultlines and Escalating Conflict Situations: The Role of Leadership, Identity and Coalitions*

Randall Kamien, Physics and Astronomy, SAS; *Soap Froths and the Rational Design of Molecular Crystals*

Grace Kao, Sociology, SAS; *Gender and Ethnic Differences in Educational Achievement Among Latino and Asian American Youth*

Anne Keane; Arlene Houldin; Julie Sochalski, Nursing; *A Pilot Study to Develop a Research Model of Community-based Services for Fire Survivors*

Ellen Kennedy, Political Science, SAS; *Jean Bodin's 'Other' & the Legal Theory of the State*

Daniel Kessler, Cell and Developmental Biology, Medicine; *Transcriptional Repression by FoxD3 and the Formation of Embryonic Mesoderm*

Paul Korshin, English, SAS; *The Conversation of Samuel Johnson and the Johnsonian Apocrypha*

Marisa Kozlowski, Chemistry, SAS; *Efficient Methods of C-C Bond Formation: Oxidative Coupling of Stabilized Anions*

Igor Kratskin, Otorhinolaryngology: Head and Neck Surgery, Medicine; *A Paraffin Embedding System for Otorhinolaryngology Research*

Jacqueline Kreutzer, Pediatrics, Division of Cardiology, Medicine; *Assessment of Ventricular Function in Patients with Complex Congenital Heart Disease*

Rahul Kumar, Philosophy, SAS; *Contractualism and the Contours of Commonsense*

Paul Langacker, Physics and Astronomy, SAS; *The Interface of Theory and Experiment in Elementary Particle Physics*

Ebbing Lautenbach, Medicine, Medicine; *Multiplex PCR Technology in the Detection of Antimicrobial-Resistant Staphylococcal Bloodstream Infections*

Noam Lior, Mechanical Engineering & Applied Mechanics, SEAS; *Gas Analyzers for the Development of a Novel Radiatively/Conductively Stabilized Burner for Significant Reduction of NO(x) Emissions*

Michael Marks, Pathology & Lab. Medicine, Medicine; *An Immunofluorescence Microscopy Imaging System for Studying Membrane Targeting and Sorting Events in Cellular Trafficking and Signaling*

David Meaney, Bioengineering, SEAS; *Construction of a High-throughput Screening System for Studying the 'Molecular Fingerprints' of Growth and Repair in Single Cells of the CNS*
Carol Muller, Music, SAS; *South African Music: Text & Performance*

Shakunthala Narasimhulu, Surgical Research, Medicine; *Coupling Mechanism in Cytochrome P450*

Sean Nicholson, Health Care Systems, Wharton; *The Impact of Managed Care on the Delivery of Medical Care*

Trevor Penning, Pharmacology, Medicine; *Matching Funds For a Stopped-Flow Spectrometer*
Peter Perrin, Medicine, Pulmonary, Allergy and Critical Care Division, Medicine; *Role of ICOS in T Cell Interferon-gamma Production and Activation*

Pedro Ponte-Castaneda, Mechanical Engineering & Applied Mechanics, SEAS; *From Individual to Collective Behavior in Biological Systems*

Ann Rogers, Adult Health & Illness, Nursing; *Does a Wrist Actigraph Accurately Record the Sleep/Wake Patterns in Patients with Narcolepsy?*

David Roos, Biology, SAS; *Leica Microscope Shutter for Rapid and Efficient Acquisition of Multi-Colored Fluorescence and Phase Contrast Images*

Frank Schorfheide, Economics, SAS; *Economic Evaluation of Monetary Policy Rules with DSGE Models of Open Economies*

Maurice Schweitzer, Operations and Information Management, Wharton; *The Influence of Affect on the Deception Decision Process*

Ann Slaughter, Dental Care Systems, Dental Medicine; *Determinants of Preventive Oral Health Behaviors Among Community Dwelling African American Elderly in an Urban City*

Paul Sniegowski, Biology, SAS; *The Unexplored Biology of a Major Model Organism: Natural Population Studies of Saccharomyces Cerevisiae and its Sibling Species S. Paradoxus*

Marilyn Stringer, Nursing; *Homecare for Women with Preterm, Premature Rupture of Membranes-Outcomes & Cost*

Kathleen Sullivan, Pediatrics, Medicine; *Immunologic Senescence in Chromosome 22q11.2 Deletion Syndrome*

Gabriel Szulanski, Management, Wharton; *Global Growth Through Replication*

Kathleen Treseder; Ralph Cicerone; Kelly Redeker, Biology, SAS; *Alterations in Emissions of Ozone-depleting Gases by a Widespread Group of Soil Fungi in Response to Anthropogenic Global Change*

Robert Vitalis, Political Science, SAS; *Political Science as Mission: Rebirth of a Discipline in American-Occupied Germany*

Patrick Walsh, Chemistry, SAS; *BINOL-Based Catalysts for Asymmetric Synthesis*

Susan Weiss, Microbiology, Medicine; *Murine Coronavirus-Induced Hepatitis: An Animal Model of Viral Hepatitis*

Yu-Sheng Zheng, Operations and Information Management, Wharton; *Overreaction in Supply Chain Management: Effects and Correction Strategies*

Research Foundation Committee 2001-2002 Fall Cycle 2001

Applicants are to submit all inquiries to the Office of the Vice Provost for Research or the panel chair.

For new Research Foundation Guidelines see www.upenn.edu/research/FoundationGuidelines.htm.

Biomedical Review Panel

Roland Kallen, (Chairperson) Professor, Biochemistry/Biophysics

Linda Brown, Professor, Nursing
Wafik El-Deiry, Associate Professor, Hematology-Oncology; Assistant Investigator, Howard Hughes Medical Institute

Lois K. Evans, Associate Professor, Nursing; Director, Academic Nursing Practice

Alan Gewirtz, Professor, Hematology-Oncology; Professor, Pathology and Laboratory Medicine

Howard Goldfine, Professor, Microbiology
Gregory Guild, Associate Professor, Biology; Assoc. Chair, Biology

Linda Otis, Associate Professor, Oral Medicine
Division of Radiology

Mortimer Poncz, Professor, Pediatrics
Martin Pring, Associate Professor Physiology; Associate Professor, Biochemistry & Biophysics

Robert Ricciardi, Professor, Microbiology
School of Dental Medicine

Lynn Schuchter, Associate Professor, Hematology-Oncology

J. Sanford Schwartz, Professor Medicine, Professor Health Management & Economics

Joseph Spear, Professor, Physio Animal Biology; Head, Physiology Labs, Vet.

John H. Wolfe, Professor of Pathology and Medical Genetics; Director, Center for Comparative Medical Genetics

Humanities Review Panel

Thomas Safley, (Chairperson), Associate Professor and, Graduate Group Chairman, History

Stephen Dunning, Professor and Chairman, Religious Studies

Julie Fairman, Assistant Professor, Nursing
Gary Hatfield, Professor, Philosophy

Michele Richman, Associate Professor, Romance Languages

Natural Science and Engineering Review Panel

Eric Weinberg, (Chairman), Professor, Biology
Mirjam Cvetic, Professor, Physics

Nader Egheta, Professor, Electrical Engineering
Robert Giegengack, Professor, Geology

Ponzy Lu, Professor, Chemistry
David Luzzi, Associate Professor, Materials Science and Engineering

Virginia Richards, Professor, Psychology

Social Science and Management Review Panel

Vivian L. Gadsden, (Chairperson), Associate Professor, LED, GSE; Director, NCOFF

Alan Heston, Professor, Economics, and SARS
Francis Johnston, Professor, Anthropology

Mark Stern, Professor, School of Social Work
Jerry Wind, Lauder Professor and Professor, Marketing; Director, SEI Center

Stretching Neurons Induces Growth

They say that tension is bad for the nerves, but it turns out that a little applied tension might be good for nerve cells. Researchers at the Medical Center have been able to grow nerve cells, or neurons, by stretching them—offering a new means of bridging damaged areas of the nervous system. Using a motorized device to slowly pull connected neurons away from each other, Penn researchers have discovered that the connecting nerve fibers, called axons, grow longer in response to the strain. In addition, the researchers have grown these elongated nerve fibers directly on a dissolvable membrane, ready-made for transplant. Their discovery is published in April's *Tissue Engineering*. "Most studies have examined axon growth in terms of how axons sprout from one neuron and connect to another. But there is an equally important form of axon growth that has been overlooked, the growth of axons in terms of the growth of the entire organism," said Dr. Douglas Smith, lead researcher on the project and associate professor of neurosurgery. "In a way, stretching is akin to how nerve cells grow in developing children—as they get taller their axons get longer." These findings, which have evolved from Dr. Smith's ongoing research into how neurons respond to their environment, also represent a departure from other methods of restoring neural pathways in spinal cord injuries by bridging over damaged tissue. "Once somebody's nervous system is already formed, further outgrowth could cause mass confusion, so the body actively produces chemicals that stop axon growth," said Dr. Smith.

Detecting Proteins with IDAT

Scientists may have identified the genes in the human genome, but proteomics is the growing field of research that describes how proteins encoded in those genes work. Researchers at the School of Medicine have created the first new technology for the proteomic era, a technique sensitive enough to detect individual proteins and robust enough to screen hundreds or thousands of molecules in mass automation.

The technique, called IDAT, has a variety of potential uses from detecting cancer earlier to sifting through samples of molecules to find new candidates for drug research. In the April 23 *Proceedings of the National Academy of Science*, the researchers describe how they used IDAT to identify a protein marker for breast cancer at a resolution up to nine orders of magnitude more powerful than conventional techniques, and explain how the technique can be further refined.

"Nine orders of magnitude is a significant jump. If we were discussing computers, we would be talking about the differences between bytes and gigabytes," said Dr. Mark I. Greene, professor of pathology and laboratory medicine. "IDAT has the potential to do for proteomics what PCR did for genomics in the last two decades."

"IDAT can detect proteins earlier, faster, and with more sensitivity than other methods," said Dr. James Eberwine, professor of pharmacology and psychiatry. "Tumors, for example, often shed particular proteins at an early stage and the sooner you can detect the proteins, the sooner you can treat the cancer."

Dr. Eberwine and Dr. Greene worked with colleagues—Dr. Hong-Tao Zhang, Janet Estee Kacharina, and Kevin Miyashiro—to develop the IDAT technique and further refine it for broader applications.

For patients, IDAT could enable doctors to

routinely screen blood samples for early disease indicators, returning results in a matter of hours instead of the days or weeks it often takes now for the most complicated tasks.

The research that developed IDAT has been funded by NIH and The Leonard and Madlyn Abramson Family Cancer Research Institute.

Ancient Frog Named for Professor

Two former students have named a 75-million-year-old frog species in honor of vertebrate paleontologist Dr. Peter Dodson.

Dating to the Cretaceous era, the new-found species, *Nezpercius dodsoni*, also commemorates the Nez Perce tribe of Native Americans. The fossil frog was unearthed in central Montana, near where the tribe crossed the Missouri River as it was pursued toward Canada in 1877.

Dr. Dodson, professor of anatomy in the School of Veterinary Medicine and professor of earth and environmental science in SAS, also conducts fieldwork in Montana—as well as Egypt, China and Argentina—as part of his studies of dinosaur remains.

The honor came as a surprise to Dr. Dodson, who first learned of it while reading a paper in the March issue of the *Journal of Vertebrate Paleontology* that described the new-found species.

The paper indicates that the "species name honors Peter Dodson for his contributions to paleoecological research in the Judith River Formation."

Richard W. Blob, one of the paper's five authors, a 1992 Penn graduate who did fieldwork with Dr. Dodson in Montana for several years, is now a postdoctoral researcher at the Field Museum of Natural History in Chicago.

Another author, Dr. Catherine A. Forster, was a doctoral student under Dr. Dodson, receiving her Ph.D. in 1990. She is now associate professor of anatomy at SUNY at Stony Brook.

Progenitor Cells' Protective Effect

Penn researchers have found that by transplanting neural progenitor cells into rats with brain injuries they can restore brain function and lessen further brain damage. Their findings are the first to demonstrate the ability of progenitor cells, grown in culture, to restore cognitive and motor function while rescuing brain cells from the cumulative effects of traumatic brain injury. The results of the research, led by Dr. Tracy K. McIntosh, of the School of Medicine, is presented in the May issue of the *Journal of Neurosurgery*.

"In this study we have determined how progenitor cells—a more developed type of stem cell—cannot only restore function, but counteract the secondary injuries that result from brain trauma," said Dr. McIntosh, professor of neurosurgery, bioengineering, and pharmacology and director of the Head Injury Center.

Unlike stem cells, which are completely unspecialized, progenitor cells have begun the path to specialization. In this study, the stem cells used have become progenitor brain cells, although they have not yet developed into a specific type of brain cell. The researchers found that the progenitor cells were able to survive in the hostile environment of the injured brains and actually promote the reconnection of brain pathways that were destroyed during trauma. These Nerve Growth Factor (NGF)-producing cells, had the effect of protecting against further damage in the brain.

The destruction of brain tissue does not stop after the initial head impact. Cells in the brain weaken and continue to die from the cumulative effects of the injury in a process called apoptosis,

a series of internal reactions that causes the cells to die.

The research is a collaborative effort between researchers at Penn and counterparts in Sweden and Spain. Other Penn researchers include Dr. Matthew F. Phillips, Dr. Philipp Lenzlinger, Dr. Grant Sinson, and Dr. M. Sean Grady.

Plant Genes: Less Pesticides

Penn biologists have identified the first gene known to mediate the maturation of plants from a juvenile stage to adulthood. The discovery could lay the foundation for crops that repel pests by taking advantage of natural differences between younger and older plants, reducing farmers' reliance on pesticides while sidestepping the controversy surrounding produce engineered with the addition of genes from other species. The work is detailed in the March 23 issue of *Science*.

While versions of the new-found gene appear in species from yeast to humans, the findings represent the first demonstration of function in a higher organism, in this case the plant *Arabidopsis thaliana*. The gene, called *squint* because mutant seedlings' pointy, elongated leaves resemble squinting eyes, is believed present in all flowering plants, including such valuable crops as corn, tomatoes and soybeans.

Capitalizing on the natural morphological and biochemical differences that characterize these crops at different stages of development could further curtail pesticide use, said lead author Dr. R. Scott Poethig, while avoiding the highly contentious practice of importing genes from other species, conventionally known as genetic engineering.

"Many pests find either juvenile or adult plants unpalatable, so tinkering with the genes that control plant development could render crops uninviting," said Dr. Poethig, a professor of biology in the Plant Science Institute.

For example, Dr. Poethig said, mature leaves on corn and rice plants are more resistant to pests than their more tender counterparts, and only the juvenile, lowermost branches of birch, willow and aspen trees found in Arctic regions are distasteful to the snowshoe hares that might otherwise graze on them.

"Mutations like *squint* allow you to use a plant's natural resistance to disease, and other naturally occurring developmental traits, in different ways," he said. "Instead of introducing a foreign gene from another species, one should be able to isolate mutations in *squint*-like genes that cause a normal, desirable trait to be expressed at a different time in development."

Squint encodes the protein Cyclophilin 40 (CyP40). CyP40's biochemical function is already known—in human beings, it's part of a complex that blocks receptors for hormones like estrogen and progesterone—but its physiological role in higher organisms has remained a mystery.

Dr. Poethig's work with plants mutant in *squint* indicates that CyP40 affects secondary characteristics of adult plants, like the shape and biochemical properties of leaves, but not sexual maturation or flowering. The very first leaves that appear on a *squint* mutant are toothed and angular, like mature leaves, rather than stubby and rounded like juvenile leaves. The timing of sexual maturity and flowering, though, is not affected.

Dr. Poethig's co-authors are Tanya Z. Berardini, Krista Bollman and Hui Sun, all of Penn's Plant Science Institute. The work was funded by the NIH and the NSF.

Upcoming Inventory of Moveable Equipment

To comply with Federal requirements, the University will begin conducting a building-by-building review of the University moveable equipment beginning the first week of June.

The professional services firm of American Appraisal Associates (AAA) will perform the physical inventory and tagging of Penn's moveable assets with an acquisition cost greater than \$5,000. The inventory will be conducted on a room by room basis throughout 150 university buildings that support organized research, administration, and instruction and service activities. Residences, Dining and Athletics will be excluded from the project. We anticipate AAA staff to be on campus for approximately two months.

The purpose of this review is to meet the *Federal Administrative Requirements for Grants* (A110 and A21 requirements) that mandates that the University must maintain:

- 1) Accurate property records to support the depreciation component of our Facility and

Pre-tax Expense Account Reminder

Reimbursements from the Health Care and Dependent Care Pre-Tax Expense Accounts for the Plan Year July 1, 2000 to June 30, 2001 will be based on receipts for expenses incurred during that period. Expenses are considered incurred on the day the service is provided, not when you are billed or when the providers are paid. After the close of the Plan Year, you have 3 months (until September 30, 2001) to submit your reimbursement requests to Eastern Benefit Systems, Inc. (EBS), Penn's pre-tax expense account administrator. Note that because September 30, 2001 falls on a Sunday, EBS will accept submissions postmarked by October 1, 2001.

Keep in mind that for services that are partially covered by a health plan, you must submit an Explanation of Benefits (EOB) along with your reimbursement request. If you have not received your EOB from your provider by the September 30 deadline, you must still file your claim by September 30, and then forward the EOB when you receive it (note on your claim form that you are waiting for your EOB, which you will submit upon receipt). If you have any questions, please contact EBS at 1-888-736-6359.

— Division of Human Resources

Administrative cost proposal; and

- 2) A comprehensive and accurate property record system.

The review will also provide up-to-date information for financial statement presentations.

To support this endeavor, we ask that you extend your full cooperation and provide access to the physical area(s) under your purview. We also ask that you inform team members about any subject equipment assets that are located away from campus, or which may be locked within cabinets. If you have any concerns relative to access sensitivity within your area(s), please contact Bob McCann at mccannr@pobox.upenn.edu or Gregory Tausz at tauszg@pobox.upenn.edu to arrange a more specific and suitable means to complete your area.

—Craig R. Carnaroli,

Vice President for Finance and Treasurer

CLASSIFIEDS—PERSONAL

PROPERTY INSPECTION

Need Home Repairs? Your insurance company could owe you thousands of dollars. Do you have any of the following problems in your home: leaky roofs, water stains, fire, broken hot water heater, plumbing overflows, cracked ceramic tile, theft, vandalism, power surges, leaks, broken siding, etc., Claims denied by your insurance company? Call me for a free no obligation, policy evaluation & property inspection. Call Lisa Smith, Licensed & Bonded Public Adjuster (215) 668-4180. An advocate for the owner of residential and commercial property.

Need a Cool Breeze? Air conditioning & heating systems installed & repaired, residential & commercial. Call Lisa Smith at (215) 668-4180.

FOR RENT

Sublet for Academic Year 2001-2002 in Swarthmore. Two-bedroom carriage house apartment available for sublet academic year 2001-2002. Ideal for alumni, visiting faculty, and other compulsive vacuumers. Five blocks from Swarthmore campus, walking distance to train. A/C, washer/dryer, garage, nice neighbors, quiet, large yard. No pets or smoking, please. \$655 per month + utilities. Contact Sara Hiebert at shiebert1@swarthmore.edu or (610) 328-8053.

THERAPY

Competent psychotherapy: group, family and individual. Please call for an appointment: Shari D. Sobel, Ph.D. (215) 747-0460.

CLASSIFIEDS—UNIVERSITY

RESEARCH

Do you have high cholesterol? Doctors at Penn are launching a novel new research study looking at two well-known cholesterol lowering agents. The study involves several visits to the Hospital of the University of Pennsylvania. If you have elevated cholesterol levels, are not currently taking any lipid-lowering medications, and think you might be interested in this study, please contact David Berezich at berezich@mail.med.upenn.edu or (215) 662-9040. Compensation is provided.

Experiencing **neck and shoulder pain** for three months or more? You may be eligible for a study at the UPenn Pain Medicine Center involving free Botox injections. Call Lisa Bearn at (215) 662-8736.

Volunteers for Study: We are currently looking for patients who have a medical condition that requires **daily anti-inflammatory medications** to participate in a research study. If you are at least 18 years of age and require daily anti-inflammatory medication you may be eligible to participate. If you qualify you will receive free medical exams and treatment. Participants will be reimbursed for time and transportation costs. For more information please call Julie Anne Starr at (215) 573-1865.

Volunteers Needed Early Menopausal women bone density research study The University of Pennsylvania Health system seeks volunteers for a bone density medical research study. If you meet the following description, you might be eligible to participate: Female, ages 45-55, no menstrual periods for at least six months. Volunteers will be compensated for their involvement. Contact Helen Peachey at (215) 898-5664.

To place a classified ad, call (215) 898-5274.

Almanac is not responsible for contents of classified ad material.

Almanac Schedule

Almanac will publish hard copy editions on:

May 29—final spring semester issue

July 17—mid-summer issue

September 4—first issue of fall semester; August 14 is the deadline for September AT PENN calendar; August 21 is the deadline for the issue.

Almanac will also send an e-mail to *Express Almanac* subscribers when news is posted to *Almanac Between Issues* during the summer.

—Ed.



Almanac

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URL: www.upenn.edu/almanac/

The University of Pennsylvania's journal of record, opinion and news is published Tuesdays during the academic year, and as needed during summer and holiday breaks. Its electronic editions on the Internet (accessible through the PennWeb) include HTML and Acrobat versions of the print edition, and interim information may be posted in electronic-only form. Guidelines for readers and contributors are available on request.

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The University of Pennsylvania Police Department Community Crime Report

About the Crime Report: Below are all Crimes Against Persons and Crimes Against Society from the campus report for **May 14 through May 20, 2001**. Also reported were **31 Crimes Against Property: (including 24 thefts, 5 burglaries and 2 vandalisms)**. Full reports on the Web (www.upenn.edu/almanac/v47/n33/crimes.html). Prior weeks' reports are also on-line.—Ed.

This summary is prepared by the Division of Public Safety and includes all criminal incidents reported and made known to the University Police Department between the dates of **May 14 and May 20, 2001**. The University Police actively patrols from Market Street to Baltimore Avenue and from the Schuylkill River to 43rd Street in conjunction with the Philadelphia Police. In this effort to provide you with a thorough and accurate report on public safety concerns, we hope that your increased awareness will lessen the opportunity for crime. For any concerns or suggestions regarding this report, please call the Division of Public Safety at (215) 898-4482.

05/19/01	12:56 AM	3700 Chestnut St	Male observed striking complainant/Arrest
05/19/01	3:26 AM	4048 Sansom St	Disorderly female cited

18th District Report

13 incidents and 3 arrests (including 6 robberies, 5 aggravated assaults and 2 rapes) were reported between **May 14 and May 20, 2001** by the 18th District covering the Schuylkill River to 49th Street and Market Street to Woodland Avenue.

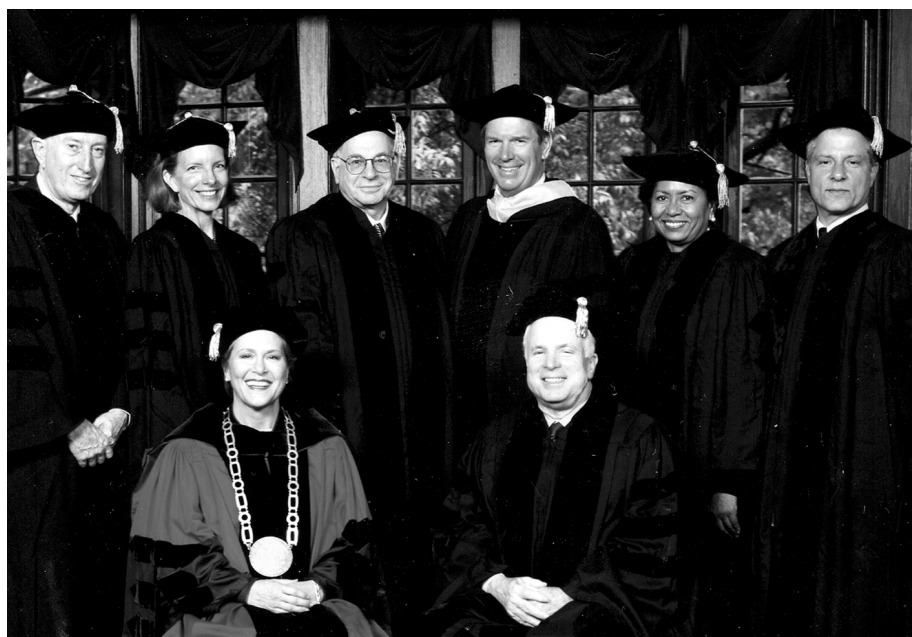
05/15/01	11:00 PM	100 48th St.	Robbery
05/15/01	10:30 AM	4322 Market St.	Robbery
05/15/01	2:10 AM	4200 Market St.	Robbery
05/19/01	11:21 PM	4701 Chester	Aggravated Assault/Arrest
05/19/01	12:56 AM	3700 Chestnut	Aggravated Assault/Arrest
05/19/01	9:00 AM	1500 blk 47th	Rape
05/19/01	9:36 PM	4000 blk Chestnut	Rape
05/19/01	2:00 PM	4800 Woodland	Robbery
05/19/01	11:45 PM	4300 Chester	Robbery
05/20/01	2:30 AM	5014 Walnut	Aggravated Assault
05/20/01	2:30 AM	5014 Walnut	Aggravated Assault
05/20/01	12:28 AM	4314 Chestnut	Aggravated Assault/Arrest
05/20/01	5:54 PM	4935 Spruce	Robbery



Penn's 245th Commencement



The rainy weather didn't dampen the spirits of the Class of 2001 as they gathered on Franklin Field last Monday for Commencement, amid a colorful sea of umbrellas. Above, the message is clear on the thirty-foot, computer-controlled, semi-autonomous blimp prototype created by undergraduate engineering students, led by Michael Gruni, E '01 and Benjamin Tang, E '01. The STWing blimp project drew upon the expertise of computer science, electrical and mechanical engineers, as well as Wharton students and students in the College. Thousands of graduates, their friends and families gathered to hear the Commencement Speaker Sen. John McCain (see supplement for his speech). He, along with five others received honorary degrees. President Judith Rodin, at the podium on the new stage which had monitors with closed captioning.



At left, President Rodin and Sen. McCain (seated) are joined indoors by Peter Doherty, Elizabeth Plater-Zyberk, Daniel Kahneman, Trustees Chairman James Riepe, Ruth J. Simmons, and Andrés M. Duany for the annual group portrait of Penn's honorary degree recipients and their hosts, without Ben on the Bench.

BACCALAUREATE 2001

Below are excerpts from the Rev. Dr. Floyd H. Flake's Baccalaureate Address. For his remarks in their entirety see Almanac's website.

Proving Your Greatness

I am grateful for the opportunity to greet the Class of 2001. I commend each and every one of you. Since this service is a baccalaureate, let's see if we might be able to glean from a particular passage of scripture some understanding of what I think you will do as you go out into the world from this place with all of the greatness that is personified by it and the education you have attained. The credentialing that you carry by virtue of the fact that you have its degree and you will go into a world now where change is constantly occurring.

I would like to speak from the topic, proving your greatness and use for this, the 17th chapter of Joshua—the 14th and 15th verses. In it there are people who stand before Joshua who have led his people into the promised land and as they stand before him, they come with a complaint. And they come before him with that complaint saying unto him, why hath thou given me but one line of one portion of inheritance seeing that I am a great people, for as much as the Lord has blessed me hither to? And Joshua answered them, if thou be a great people then get thee up to the wood country, cut down for thyself the land of the Perizzites and the giants if Mount Ephraim be too narrow for thee. In this text one of the things that we realize is that often times we make decisions about our lives. Those things that will guide us and direct us, built upon perceptions and assumptions of a particular time frame.

Many of us who are standing here today can testify that what we thought when we entered into our college years was different at the time of our graduation. The way the world was in the time of our entry was different in the time that we came out. All of us have learned how to live with paradigm shifts and often times our inability to make the natural adjustments and change perceptions to deal with the reality of the world as it is, as opposed to the way it was, causes us to lose a bit of our faith, a sense of direction and purpose. We lose our focus. We are challenged to such a degree that we dare to believe that perhaps these have been wasted years—that the time that we have come into this arena, things have happened so rapidly that we are not prepared to make the change. May I say to you today that change is a part of life and we make decisions about how we deal with those changes. We either deal in reactive ways or by being proactive. We think about what we want to be, what we want to do. We think about greatness as merely having received the necessary tools, the equipment, the degree, that says we have received a body of knowledge and now have the capability to go to the world and to communicate it.

And yet in a changing world where the paradigm is shifted, to whom are we communicating? No longer are we able to go into the environments where we thought we'd be functioning. The professions that we thought showed so much promise for us, now we see that those professions have changed. We thought we'd be going to the Internet e-commerce community, only to see now that because of paradigm shifts that world is turned upside down.

The opportunities that were available four years ago are no longer available now. How do we handle it? Do we handle it by understanding, by faith? We do have the capability to overcome because not only did we get a degree that symbolizes mere knowledge in a particular field, it also symbolizes that we have a body of knowledge and a capability and skill for the necessary adjustments to be able to function in a world that is ever-changing. This is not the first adjustment that you will have to make. By the time you reach that place at the half-century mark, as I have done, you will discover that there are many changes you will have made. Even your parents, whom you believe you need not hear from any longer with their advice, if you would but listen, they will testify that they have had to make perceptual changes to deal with the reality of those paradigm shifts that have taken place in their lives. They did not expect many of the changes that have occurred during your four years here and yet they knew that if they were to prove their greatness, change and adjustment to them is an ineluctable requirement for all the rest.

Greatness, then, is not measured exclusively by the degree that you have, it is really a piece of paper; it does suggest that you have a body of knowledge to sell to the world, the one thing you must understand is that you cannot be so locked in the box that you cannot deal with the reality of change. And a part of that change means coming out, adjusting to a new world that according to the most recently released census data indicates to us that at last we will finally get behind us this notion of race and class and distinctions of people because, if the census data is correct, and I dare to believe that it is, we will be living in a world where there is no pronounced majority. All of us will be the majority. There is no minority and I have never accepted that nomenclature in the first place. All of us will have to learn how to live with each other to determine ways by which we will express our unity to each other not based upon our differences but by dealing with the reality that there is so much that we share in common.

No longer are we looking at each other merely from racialized terms but we are dealing with each other from a reality that we are one America—we

are one people. We are a people who have common pursuits, goals and directions and as we move into this future, our greatness will ultimately be determined by willingness to learn how to live with each other, to respect each other, in the words of Dr. Martin Luther King, "to view each other from the content of our character." It is time for that change, it is time for us to stop exploiting freely abroad a democracy that often is viewed in hypocritical terms by those who are part of the very society that we declare is the greatest nation in the world.

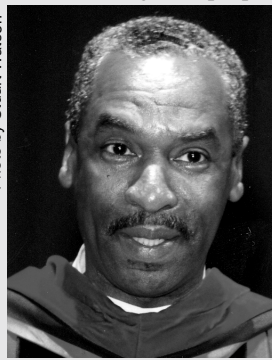
Our challenge becomes one of moving towards principle-centered paradigms that don't change because of conditions, but understand that we stand on a ground of faith and although things around us shift we do not shift, we stand out because we have determined that we can be great. We can be greater than we are, a greater people, a greater nation. We must cease trying to place impediments in the face of those who tried to stand up in a world that is often cruel to people because of the limitations of their background, their environmental circumstances, of what we consider to be their genetics. Our reality must be one where we learn how to lift people up, regardless of the places where they are.

As I listen to people discuss who can succeed in America and who ought to fail, I'm often amazed because I am the product of 5th and 6th grade educated parents who gave birth to 13 children, who slept in two bedrooms, in a two-bedroom house, rolling roll-away beds out into the living room and the kitchen. Every time I had an opportunity to stand as dean of the students or dean of the chapel at Boston University or to stand in the House of Congress, I asked myself, "What would I be if I had listened to what other people said I could not be, if I had accepted that as a notion of what my life would be about?"

Our challenge becomes to prove our greatness: facing the challenges, understanding that they are there. No one has made the road easy for you, but the challenges are there to help to build a kind of character that allows you to build for a future that is greater than your past. To build upon the legacy that you have received from those who have gone before you and a great institution like the University of Pennsylvania, so imbedded in the principles of freedom and independence. My prayer is that you have learned enough to be able to go out into the world and make the necessary adjustments.

A group of people stood before Joshua, said unto Joshua, we have a serious problem. We can't understand why you would give us less than you have given other people. One of the great challenges that I have faced as pastor of Allen Church is I have looked at the community of which I am a part, a middle class community that in the early 1980s was in decline. In decline because people did not see the opportunities available to them. They saw the greatness of a community that did exist before they moved there, immediately following white flight. They made a determination that their best hope was to leave that community and go to the suburbs. My challenge to them is not to move to the suburbs but let's make the suburbs a part of the community where you live. Let's make it an environment where people are comfortable not only in living, but also if they have already left, coming to back to. That challenge brought us to the place where we understood the necessity of building homes, buying up boarded-up properties, building our own school, redefining for people their sense of self. Giving them the understanding that if you have knowledge, if you have faith, if you have a focus, it is possible for you to turn your situation around. It is not necessary to run from it, but rather to run to it with an optimistic view that somehow within you there is the power to bring about change rather than waiting for the government to do it. My challenge was, *let's do it ourselves*. The people have responded. And they now believe that they live in the promised land. And they believe so much so that they continue to make necessary investments in it. So these people stood before Joshua and said to him, "you don't know who we are; we are a great people. We are the sons and daughters of Joseph; our ancestors include Abraham, Isaac and Jacob. If you understood who we were you would have given us more than you gave the others. Their square footage is more than ours; the ample land that you have given to them offers greater opportunities than ours. They need but go and break up the barren land; they need but plant in the fallow places and they will be able to produce crops. But the land that you gave to us is a woody place; it

(continued on page 11)



Floyd H. Flake

Photo by Stuart Watson

BACCALAUREATE 2001

is a mountainous region and we don't understand how we will be able to do anything with that. You could have given us a land similar to everybody else's. You could have given us a place that was not already inherited by the giants."

Oftentimes in life we are faced with the challenges of having to work our way through the woods. To climb the high mountains, to come to the place where we face the giants. Do we manage it by merely reacting, or do we find ourselves looking for ways to make opportunities where none seem to exist. The great challenge that you will face as young people is that there will be many mountains, there will be many wooded regions, many places where you will wonder if you have the power to overcome the giant. But your degree signifies the level of greatness. Your challenge now is to go out and to prove it. It can be the legacy for your future and so you as members of the Class of 2001 get ready for the great challenge that is yours. The paradigm has shifted and it is shifting everyday. Between now and the time you take your first job it can shift even more. But the question becomes, are you ready for this great challenge.

This great challenge will not be met by merely racializing, politicizing and personalizing every issue. It's time to rise beyond the level of those things that separate us and come to an understanding of what brings us together. We must become more accountable. We must move beyond our discouragements, our disappointments. We must stop merely complaining about what we don't have and begin to look at the opportunities that are available to us; look at ourselves

in relationship to those who do not have; and then challenge ourselves to be more responsive to their needs. When we do that, we will have the kind of nation—we will have the kind of people—who will be able to stand on their ground of faith not merely declaring it another Martin Luther King celebration "We Shall Overcome"—not merely having a few Brotherhood Sundays where we come together across racial lines. Not merely talking about opportunities that aren't being made available to women and allowing the gender gap to continue to exist. Not merely talking about the necessity of trying to break a glass ceiling, but rather we will join hands together and we will join, not based upon who is beside us, but understanding that whoever is beside us is our brother and whoever is beside us is our sister and no longer will the refrain be "we shall overcome" but it will be that we have overcome. We will indeed demonstrate to the rest of the world that we are a great people.

So, to the Class of 2001, go out to the barren places, go the mountainous regions, go to the places where the giants already inhabit—and conquer. When you have conquered, stand up on the strength of a faith that says that my faith, my focus is so in order I am so in tune with the reality of who I am and who I intend to be, that there is no force in the world that can keep me from becoming greater. If the barriers are there—I can overcome them, I can go around them, I can go through them, I can go under them, but by God—I am determined to prove my greatness. God bless you and may the Lord be with you.

Baccalaureate Address by President Judith Rodin, May 20, 2001

Building A Better World

Graduates of the Class of 2001, families, friends, deans, members of the faculty, Reverend Flake, and all honored guests: tomorrow, a group of extraordinary young men and women will take the field named for Benjamin Franklin to claim the prize they have worked so hard to earn: A degree from the University of Pennsylvania.

Graduates, you have cleared the highest academic hurdles and met the most exacting standards to get that sheepskin. Now it is *your* turn to celebrate and *our* turn to cheer. Your degree tells the world that you are *champions*, ready to give society the best of all the knowledge and learning you have gained at Penn.

What a journey it has been! Four years ago, you arrived at Penn from so many different places and backgrounds. You brought with you different tastes, convictions, standards, skills, attitudes, politics, and personal goals.

For the next four years, you would have the unique experience—and the extraordinary challenge—of living in the most dynamically diverse community you could possibly imagine.

You definitely have made the most of this unique opportunity. You learned to live skillfully at Penn by forming alliances with your colleagues and making common cause with one another, harnessing and harmonizing your different skills and beliefs to pursue your *common* goals. Time and again, you pulled together, even when the grind of course work and force of events could have driven you apart.

When I think about your experiences over the past four years, I am reminded of historian Joseph Ellis' descriptions of the Founders in his Pulitzer Prize-winning book, *Founding Brothers*. Ellis wrote that Franklin, Washington, Adams, Jefferson, Madison, Hamilton, and the other great leaders of the American revolutionary generation embodied complementary and *offsetting* talents, personalities, and beliefs.

By "colliding and colluding with each other," Ellis wrote, these fiercely proud and independent men "created a dynamic whole that was greater than the sum of its parts."

That describes what *you* have collectively accomplished at Penn. And in many ways the Founding Brothers had it easier. After all they were so much less diverse than we are here, not yet confronting issues like race or inequality, not yet seeing the huge ethical opportunities and challenges that science would provide. You have learned the meaning of collaboration in the service of humanity in a very complex moment in history.

I think of the computer science major from Long Island and the electrical engineering major from Singapore who teamed up to design and build a medium-scale, computer-controlled research blimp. Tomorrow, this blimp will fly next to the tennis courts near Franklin Field—a reminder to us all that Penn is a place where dreams can soar. The blimp's research capabilities are tremendous, as are the students who combined their talents to achieve something special—and became the closest of friends in the process.

Franklin would be so proud of them, as he would be proud of the graduating Nursing students who identified a need for peer-to-peer health education services in the College House System, and created Health Corner, which just opened last month at Community House. Health Corner represents a remarkable and important advance in student life at Penn. By raising awareness on exercise, nutrition, and sleep, the Health Corner can deliver a preemptive blow

against the stresses and problems that afflict many students. This project typifies the productive collaborations that Nursing students at Penn routinely forge to boost our capacity for enlightened self-care.

When it comes to can-do collaborations, our Wharton students are also up there with the best of the best. While they are known for the imaginative ways they sharpen their capitalist tools, Wharton students also invest their time and energy in numerous humanitarian enterprises.

To strengthen the links between Penn and the community, a Wharton senior founded Penn Students for Cancer Awareness. This group has developed outreach programs that stress peer counseling and education. At the same time, a dedicated band of Whartonites volunteer to bring comfort and support to patients at Penn's Cancer Center.

Finally, when I think of our seniors from the College, I recall Freshmen Convocation four years ago, when I challenged students—good-naturedly, I hope—to tackle the unsolved problem of finding world peace. Little did I imagine that so many outstanding students would accept this challenge and run with it.

Some of you in the College have worked to bridge the digital divide by building a computer lab in Tanzania. Some of you tapped into the powerful universal language of music to bridge cultural divides when you organized a combined conference and concert on Islam and the Globalization of Hip Hop. And some of you narrowed the health care divide by founding and joining American Youth Understanding Diabetes Abroad, which is doing so much to raise public awareness of that disease throughout Latin America.

Poverty, disease, and cultural enmity are more than just affronts to our sense of justice; they are destabilizing forces that threaten humanity's future. Those of you who went the extra mile—as so many of you have—to fight poverty, disease, and ignorance have brought the world that much closer to world peace. Humanity owes you a debt of gratitude.

Now, a new and quite exciting chapter in your lives is about to begin. Just as America's Founders eventually had to return to *their* lives and assume the formidable task of *governing* a new Republic, so, too, you must leave our campus and get on with the business of shaping a *world* that desperately needs your skills, your energies, and above all, your passion.

My challenge to you—and my prayer for you—is that you keep defying gravity and leap across *all* boundaries to lift humanity to higher ground.

Believe me, you've got powers and talents even our Founders would envy. And experiences they never could have dreamed of. In *Founding Brothers*, Ellis observed that "the faces that look down upon us with such classical dignity ... and the voices that speak to us across the ages, seem *so* mythically heroic, at least in part, because they *knew* we would be looking and listening."

Graduates—we do not know yet whether your faces will wind up in the National Portrait Gallery—whether your words will become required reading for schoolchildren—but treat *all* your efforts as though you *did* know that others will be watching and learning from what you conceive, and how you act. What we do know now, with confidence, is that future generations of Penn students will enjoy the fruits of your labor of love to build a better Penn and a better world.

I am extremely proud of you, Penn's Millennial Class. God bless you all.

The Commencement Address of Senator John McCain

Confronting Challenges

Thank you. . . Thank you distinguished faculty, families and friends, and thank you University of Pennsylvania Class of 2001. The invitation to give this commencement address is a great honor for someone who graduated fifth from the bottom in the United States Naval Academy Class of 1958. To stand here, in full academic regalia, and address an audience of distinguished academics and their learned students has reaffirmed my long held faith that in America anything is possible.

If my old company officer at the Academy were here, whose affection for midshipmen was sorely tested by my less than exemplary behavior, I fear he would decline to hold Penn in the high esteem that I do.

Nevertheless, I want to join in the chorus of congratulations to the Class of 2001. This is a day to luxuriate in praise. You have earned it. You have succeeded in a demanding course of instruction from an excellent university. Life seems full of promise. Such is always the case when a passage of life is marked by significant accomplishment. Today, it must surely seem as if the world attends you.

But spare a moment for those who have truly attended you so well and for so long, and whose pride in your accomplishments is even greater than your own—your parents. When the world was looking elsewhere, your parents' attention was one of life's certainties. And if tomorrow the world seems a little more indifferent as it awaits new achievements from you, your families will still be your most unstinting source of encouragement, counsel and often—since the world can be a little stingy at first—financial support.

So, as I commend the Class of 2001, I offer equal praise to your parents for the sacrifices they have made for you, and for their confidence in you and love. More than any other influence in your lives, they have helped make you the success you are today, and might become tomorrow.

I thought I would show my gratitude for the privilege of addressing you by keeping my remarks brief. I suspect that some of you might have other plans for the day that you would prefer to commence sooner rather than later, and I will try not to detain you too long.

It is difficult for commencement speakers to avoid resorting to clichés on these occasions. Or at least, I find it difficult. Given the great number of commencement addresses that are delivered every year by men and women of greater distinction, greater insights and greater eloquence than I possess, originality proves to be an elusive quality.

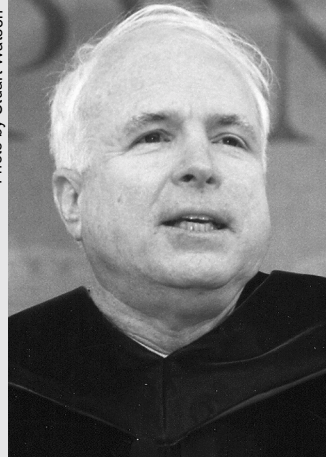
One cliché that seems to insist on my attention is the salutation "leaders of tomorrow," which is probably uttered hundreds of times by speakers addressing graduating classes from junior high schools to universities. In a general sense, it is an obvious truth. You and your generational cohorts, after all, will be responsible for the future course of our civilization, and, given America's profound influence in the world, much of the course of human events in your time. But will you specifically, with all the confidence and vitality that you claim today, assume the obligations of professional, community, national, or world leaders? I'll be damned if I know. I'm not clairvoyant, and I don't know you personally. I don't know what you will become. But I know what you could become. What you should become.

America is still a land of unlimited opportunities, and American citizenship confers advantages, no matter one's socio-economic status, that are the envy of people from every other country on earth. Moreover, no matter the circumstances of your birth, the very fact that you have been blessed with a quality education from this prestigious university gives you an enormous advantage as you seek and begin your chosen occupations. Whatever course you choose, absent unforeseen misfortune, success should be within your reach. You are members of an elite group, but, of course, this is a democracy, and leaders are not exclusively chosen from among our most advantaged citizens.

All of you will eventually face a choice, earlier in life than you might now presume about whether you will become leaders in our society, in commerce, industry, government, the arts, religion, the military, or any integral part of our civilization. Or will you allow others to assume that responsibility while you attempt to reap the blessings of a prosperous country without meaningfully contributing to its advancement. I very much hope you will take the first course.

Such responsibility, to be sure, is not always an unalloyed blessing to the person who chooses it. Leadership is both burden and privilege. But as

Photo by Stuart Watson



John McCain

Socrates contended "the un-examined life is not worth living," so I contend that the passive life is not worth forgoing the deep satisfaction, the self-respect, that comes from employing all the blessings God bestowed on you to leaving the world better for your presence in it.

No one expects you at your age to know precisely how you will lead accomplished lives or use your talents in a cause greater than your self-interest. You have some time, I'm sure, before such choices and challenges confront you. Indeed, it has been my experience that such choices reveal themselves over time to every human being. They are seldom choices that arrive just once, are resolved at one time, and, thus, permanently fix the course of your

life. Many of the most important choices one must make emerge slowly, sometimes obscurely. Often, they are choices that you must make again and again.

Once in a great while a person is confronted with a choice or a dilemma, the implications of which are so profound that its resolution might affect your life forever. But that happens rarely and to relatively few people. For most people, life is long enough, and varied enough to account for occasional mistakes and failures.

F. Scott Fitzgerald is often recalled for his observation that "there are no second acts in America." It's a pity that such a gifted writer is frequently remembered for this one observation, which in my opinion couldn't have been more mistaken. There are a great many second, third and fourth acts for Americans in all walks of life. I have had two or three already, and some would say I should be looking for another right about now.

I can think of a great many people throughout our nation's rich history whose lives refute Fitzgerald's argument. Indeed, our history would not be so rich absent the presence of many thousands of politicians, generals, religious leaders, artists, businesspeople, inventors, scientists, who had gained historical prominence after failing, some times more than once, to make much of a mark in the world.

You might think that I am now going to advise you not to be afraid to fail. I'm not. Be afraid. Failing stinks. . . . Just don't stop there. Don't be undone by it. Move on. Failure is no more a permanent condition than is success. "Defeat is never fatal," Winston Churchill observed. "Victory is never final. It's courage that counts."

As I observed earlier, few of you have reached the point when your parents and teachers expect you to have plotted your life in detail or even to have defined your ambitions. What they hope they have done is help develop within you the wherewithal to make the race; to choose well; to confront challenges intelligently and forthrightly; to overcome mistakes and failures in a way that diminishes the likelihood of your repeating them. In other words, all those who care about you and feel responsible for you hope they have helped you build the one thing you must possess—strength of character.

Bad people can occasionally do good things. Good people can occasionally do bad things. But those things are anomalies in a life that is defined by opposing acts. People of bad character will never reach the end of life satisfied with the experience. People of good character will never waste their life, whether they die in obscurity or renown.

"Character," said the 19th Century evangelist, Dwight Moody, "is what you are in the dark."

I have always found that the most difficult choices between honor and dishonor occur when no one is watching. For a politician that presents something of a dilemma. We like to have our virtue affirmed in the public spotlight. But no matter how clever you are in crafting a public image of integrity, if it is a false image, the truth will emerge and usually sooner than expected.

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The lessons I learned as a young man and officer have sometimes helped me withstand the temptations of public life to cut a few corners here and there for the sake of ambition. And sometimes not. I wouldn't want anyone here to be fooled into thinking that I am the example of rectitude I pretend to be to my children.

But events I have witnessed and the example of others have taught me that it is far preferable in one short lifetime to stick by truths that give more meaning to life than fame or fortune.

God grants us all the privilege of having our character and our honor tested. The tests come frequently, as often in peace as in war, as often in private as in public.

For me, many of those tests came in Vietnam. I knew no one who ever chose death over homecoming. But I knew some men who chose death over dishonor. The memory of them, of what they bore for us, helped me see the virtue in my own humility. It helped me understand that good character is self-respect, and courage and humility are its attributes.

Many years have passed since I learned that lesson. But I have not let the comforts and privileges of my present life obscure the memory of what I witnessed then. And in recent years when I have faced difficult decisions and chosen well, the choice was made easier by the memory of those who once made harder choices, and paid a much higher price for the privilege. And when I chose poorly, their example made me ashamed and left me no explanation for my failure other than my own weakness.

When I was a young man, I thought glory was the highest ambition, and that all glory was self-glory. My parents tried to teach me otherwise, as did the Naval Academy. But I didn't understand the lesson until later in life, when I confronted challenges I never expected to face.

In that confrontation, I discovered that I was dependent on others to a greater extent than I had ever realized, but that neither they nor the cause we served made any claims on my identity. On the contrary, they gave me a larger sense of myself than I had before. I discovered that nothing is more liberating than to fight for a cause larger than yourself; something that encompasses you, but is not defined by your existence alone.

In America, our rights come before our duties, as well they should. We are a free people, and among our freedoms is the liberty to care or not care for our birthright. But those who claim their liberty but not their duty to the civilization that ensures it live a half-life, having indulged their self-interest at the cost of their self-respect. The richest man or woman

possesses nothing of real value if their lives have no greater object than themselves.

Should we only claim our rights and leave to others our duty to the nation that protects them, whatever we gain for ourselves will be of little value, it will build no monuments to virtue, claim no place in the memory of posterity, hold no brief with aspiring nations. Success, wealth, celebrity gained and kept for private interest is a small thing. It makes us comfortable, eases the material hardships our children will bear, purchases a fleeting regard for our lives, yet not the self-respect that in the end will matter to you most. But sacrifice for a cause greater than self-interest and you invest your lives with the eminence of that cause.

We are not a perfect nation, a perfect union. Prosperity and power may delude us into thinking we have achieved that distinction, but inequities and challenges unforeseen a mere generation ago command every good citizen's concern and labor. What we have achieved in our brief history is irrefutable proof that a nation conceived in an idea, in liberty, will prove stronger and more enduring than any nation ordered to exalt the few at the expense of the many or made from a common race or culture or to preserve traditions that have no greater attribute other than longevity.

As blessed as we are, as empowered by liberty as we are, no nation complacent in its greatness can long sustain it. We are an unfinished nation. And we are not a people of half-measures.

I ask you to take your place in the enterprise of renewal, giving your counsel, your labor, your passion in your time to the enduring task of national greatness. Prove again, as those who came before you proved, that a people free to act in their own interests will perceive their interests in an enlightened way, will live as one nation, in a kinship of ideals, and make of their power and wealth a civilization in which all people share in the promise of freedom.

Although you were born in the last century, you will spend most of your life in this one. You are 21st Century Americans. I am not. I don't know how far humanity will progress in this century, but I expect great things, great things, indeed. I envy you so for the discoveries you will experience. Be worthy of your times and your advantages. Be worthy of your country. Serve a cause greater than yourselves and you'll know a happiness far more sublime than pleasure.

Will you be tomorrow's leaders? I don't know. But I would be proud if you were. You are blessed. Your opportunity is at hand. Make the most of it.

Thank you for the honor of addressing you.

Pursuing Interesting Ideas

Remarks at Commencement by David B. Hackney, Chair of the Faculty Senate

Greetings, Class of '01. Although I am speaking as Chair of the Faculty Senate, the following comments do not necessarily reflect the opinions of that body. I hope you found the last few years to be interesting, rewarding and fun. This leads some people to feel sadness at the end of their formal education. After all, when else will you have an extended period of time during which your primary responsibility is to intellectual pursuits of your own choosing? Well, don't worry, life gets better after college.

As time goes by, you may be among those who look back on college as an interesting, but overly long and confining culmination of an extended childhood. Entertaining in a limited sense, but, at least by the end, too narrow, too superficial, and too homogeneous.

To those of you who did not make the borders of the campus the limits of your lives, congratulations. You already know what I mean. To everyone else, you have something to look forward to. Life is about to open up geographically, culturally, and intellectually. While you were in college, the list of things to which you were expected to devote your mental energy was found in a course catalog. This served as a handy compendium of what the University chose to teach and thus, what lines of study were sanctioned, guided, offered for credit, and, most importantly, graded on your transcripts. However, the simple act

of defining a course requires emphasizing some ideas within a field and de-emphasizing or ignoring others. When you were in college, you had to put up with this. Now that you are out, you can pursue those interesting ideas that came up in your reading, but were never discussed in class. In college, if it will not be on the final exam, you have to turn your attention elsewhere. Now you can learn what you want, or need, as interest and circumstances dictate, without the artificial constructs of terms, courses, and grades.

The irony is that if you really liked this introduction to one approach to an intellectual life, you may find yourself back in the student role in graduate school. Of course, many of the faculty at this University did not go to graduate school at all. We were pre-professionals in college, there to get our tickets punched and then to move on to professional studies in medicine, law, or other areas. For me, things worked out as planned, college gave me what I asked, and I have no complaints. On the other hand, almost all of my education has taken place since I finished college, and it has been a lot more interesting.

So, in contrast to the usual graduation exhortation to continue your education once you leave college, I am suggesting that it is time to begin. Again, greetings and congratulations, this should be a wonderful day, have a great time.




Shimmy Magic!
On July 24, Habiba performs and teaches Egyptian dances in the Summer Magic 2001 series at the University Museum. See Children's Activities, below.

ACADEMIC CALENDAR

- 6/29** First Session classes end.
7/2 Second Session classes begin.
8/10 Second session, 12-week Evening Session classes end.
8/28 Move-in and registration for transfer students
8/30 Move-in for first-year students. New Student Orientation
9/5 New Student Convocation and Opening Exercises
Penn Reading Project
9/6 First Day of Classes

CHILDREN'S ACTIVITIES

- 6/12** *Story Hour*; 11 a.m.; Bookstore; info.: (215) 898-5965 or www.bkstore.com/upenn; Also June 19 & 26, July 10, 24 & 31, and August 7 & 28 (Bookstore).
Morris Arboretum
Free with admission. 1 & 2 p.m. Info.: (215) 247-5777 or www.upenn.edu/morris/
6/10 *It's the Wolf!*; by Tucker's Tales Puppet Theatre; includes *The Three Little Pigs* and *Little Red Riding Hood*.
6/17 *Professor Bowen's Punch & Judy Puppet Show*; by Tarr & Feather Puppets.
8/12 *Two of a Kind*; interactive performance featuring songs, puppets, movement and stories.

- Museum's Summer Magic 2001**
Weekday morning series featuring music, dance and storytelling from around the world; children 6-12; free with Museum admission (\$2.50/children; \$3.50 adults); pre-registration required: (215) 898-4015. Info.: www.upenn.edu/museum.
7/10 *African Culture Live and Direct*; 10 a.m. Also July 12 & 17.
7/11 *Afro-One Dance, Drama, and Drum Theatre*; 10 & 11 a.m.
7/18 *African Music of the Women's Sekere Ensemble*; 10 & 11 a.m. 
7/19 *Native American Storytelling*; 10 & 11 a.m.
7/24 *History and Mystery of Egyptian Dance*; 10 & 11 a.m.
7/26 *The Culture of India*; 10 & 11 a.m.
7/31 *Dances from Around the World*; 10 a.m.
8/2 *Chinese Ribbon Dance*; 10 a.m.

CONFERENCE

- 6/6** *Symposium of Herpes Viruses*; 8 a.m.-5:30 p.m.; auditorium, BRBII/III; free; lunch included. Registration: www.med.upenn.edu/medicine/ID.htm (Infectious Diseases; Microbiology; Medicine; Dental Medicine; Veterinary Medicine).

EXHIBITS


- Admission Donations and Hours**
Arthur Ross Gallery, Fisher Fine Arts Library: free, Tues.-Fri., 10 a.m.-5 p.m., Sat. & Sun., noon-5 p.m.
Burrison Gallery, Faculty Club, Inn at Penn: free, Mon.-Fri, 8 a.m.-6 p.m.
Esther Klein Gallery, 3600 Market: free, Mon.-Sat., 9 a.m.-5 p.m.
Institute of Contemporary Art: \$3, \$2/ students, artists, seniors, free/members, children under 12, with PENNCard, and on Sundays 11 a.m.-1 p.m.; open: Wed.-Fri., noon-8 p.m.; Sat. & Sun., 11 a.m.-5 p.m.
Kamin Gallery, 1st fl., Van Pelt-Dietrich Library Center: See *Summer Hours, reverse*.
Kroiz Gallery, Fisher Fine Arts Bldg., 220 South 34th St.: Mon-Fri., 10 a.m.-5 p.m.
Morris Arboretum: \$6, \$5/seniors, \$4/students, free with PENNCard, children under 6; Mon.-Fri., 10 a.m.-4 p.m.; Wed. & Thurs. 10 a.m.-8 p.m.; Sat. & Sun., 10 a.m.-5 p.m.
University Museum: \$5, \$2.50/seniors and students w/ID, free/members, with PENNCard, children under 6; Tues.-Sat., 10 a.m.-4:30 p.m., Sunday (free), 1-5 p.m.

Summer AT PENN



Whenever there is more than meets the eye, see our web site, www.upenn.edu/almanac/.

Upcoming

6/16 *Garden Railway Display: Great Lighthouses*; features 12 lighthouse replicas and more than 30 historic Philadelphia-area buildings; Grand Opening on Father's Day, June 17. Morris Arboretum. *Through October 8.* 

Now

Lee Lippman-San Paolo Series; colorful oil paintings of Mexico; Esther M. Klein Art Gallery. *Through June 2.*
Transformation: Jews and Modernity; 19th and 20th century works on paper; Arthur Ross Gallery. *Through June 17* (Arthur Ross Gallery; Center for Advanced Judaic Studies; GSFA; History of Art). 
Building Penn: Campus Planning and Architecture at America's First University; Klein Lounge. Kamin Gallery, Van Pelt-Dietrich Library Center. 
Through June 30 (Friends of the Library).
The Architectural Unconscious: James Casebere and Glen Seator; Seator's work includes the reconstruction of 3 buildings treated as a free-standing sculpture, and Casebere's consists of large-scale photographs made from 2 models based on interior of classrooms at Phillips Academy; ICA. *Through July 29.* 
East Meets West: "Folk" and Fantasy Painting from the Coasts; paintings, drawings, installation and sculptures by artists influenced by art outside of the contemporary art world; ICA. *Through July 29.* 
Sight/Site: Objects Subject to Change; undergraduate History of Art seminar exhibition; featuring works from a Philadelphia area art collection. ICA. *Through July 29.* 
KAHN at 100: A Memorial Exhibition; selection of master drawings, models, sketchbooks, manuscripts and memorabilia by world-renowned Philadelphia architect Louis I. Kahn; Kroiz Gallery. *Through September 15.* 

Ongoing

Ancient Greek World; Canaan and Ancient Israel; Living in Balance: Universe of the Hopi, Zuni, Navajo and Apache; Ancient Mesopotamia: Royal Tombs of Ur; The Egyptian Mummy: Secrets and Science; Raven's Journey: World of Alaska's Native People; Buddhism: History and Diversity of a Great Tradition; University Museum.
Healing Plants: Medicine Across Time and Cultures; Morris Arboretum.

FILMS

Moonlit Movie Series

- Movie under the stars, bring a blanket or lawn chair and snacks; 9 p.m.; field at 40th St. & Locust Walk; Info.: (215) 573-9054 or lygonza2@sas.upenn.edu (Summer Session/SAS/CGS, VPUL).
6/7 *Robot Monster and the Brain From Planet Arous*
6/14 *Lord of the Flies*
6/21 *Yellow Submarine*
6/28 *Love Story*
7/5 *Little Shop of Horrors*
7/12 *Rebel Without a Cause*
7/19 *The Black Cat Dinosaur*
7/26 *The Birds*
8/2 *The Bad Seed*
8/9 *Frankenstein Meets the Wolfman*

FITNESS/LEARNING

- Jazzercise*; 5:30-6:30 p.m.; Tuesday and Thursday; Newman Center; first class free; \$4.50/class, \$3.50/students; Carolyn Hamilton, (215) 662-3293 (days) or (610) 446-1983 (evenings).
6/2 *Summer Tours at the Morris Arboretum*; hour-long tour highlights seasonal treasures; 2 p.m.; Morris Arboretum; free w/admission. *Saturdays & Sundays through July 1* (Arboretum).
6/4 *Pulling Up Stakes: Planning and Implementing a Successful Move*; Margaret Novack, president and founder of Moving Solutions; 12:30-2 p.m.; rm. 203, Penn Medicine at Radnor, 250 King of Prussia Rd. (Penn Partners in Healthy Living PassCard Program).
6/13 *PPSA Book Club*; noon; Bookstore. Also July 11 & August 8 (PPSA).
7/7 *Great Plants Tour*; guided tour introduces visitors to selection of woody plants for the home garden; 2 p.m.; Morris Arboretum; free w/ admission. *Saturdays & Sundays through August 26* (Arboretum).
ESL Summer Evening Courses
For students whose English level is intermediate or higher; 6-8:30 p.m.; Bennett Hall; No registration fee if registered by the Friday before the class begins. Info.: www.sas.upenn.edu/elp or (215) 898-8681.
6/4 *Advanced Written Communication*; Mondays; \$335. *Through August 13.*
6/5 *Pronunciation Improvement*; Tuesdays; \$335. *Through August 14.*

- 6/7** *Vocabulary Development*; Thursdays; \$335. *Through August 16.*
7/16 *TOEFL Preparation*; Mondays & Wednesdays; \$335. *Through August 15.*
7/17 *Speaking and Listening*; Tuesdays & Thursdays; \$335. *Through August 16.*
7/18 *Oral Presentation*; Wednesdays; \$170. *Through August 15.*
7/26 Test of Spoken English (TSE) and SPEAK Test Preparation; Thursdays; \$105. *Through August 9.*

ISC Technology Training Group

The following are Hands-on courses for Windows; 9:30 a.m.-4:30 p.m.
6/6 *Intermediate Access 2000*
6/7 *Intermediate Excel 2000*
6/13 *Intermediate Filemaker Pro 4.0*

Morris Arboretum

Registration: (215) 247-5777, ext. 125.
6/2 *Potions, Lotions & Tonics: Herbs for Your Everyday Life*; Jeannine Vannais, historic herbalist, Pennsbury Manor; 10 a.m.-2 p.m.; \$44; \$40/members. *Tree Identification and Appreciation: Native Trees and Shrubs*; Ken LeRoy, horticulturist, McFarland Landscape Services, Inc.; 10 a.m.-12:30 p.m.; \$80; \$73/members. *Three Saturdays: June 2, 9 & 16.*

- 6/3** *Creepy Crawly Creatures*; Leslie Fitzgerald, plant protection intern, Morris Arboretum; 1:30-3:30 p.m.
6/5 *Gardening Fundamentals*; Alexandra Basinski, horticulture instructor; 6:30 p.m.-8:30 p.m.; \$80; \$72/members. *Four Tuesdays: June 5, 12, 19 & 26.*
Cottage Gardening: Easy Perennials, Biennials, and Roses; Shelley Dillard, plant Propagator, Morris Arboretum; Judy McKeon, garden consultant and author; 7-9 p.m.; \$47.50; \$40/members. Also June 9, 9:30 a.m.-12:30 p.m.
6/16 *Creating Miniature Houses: A master Class*; Paul Busse; 10 a.m.-noon; \$22; \$20/members.
6/23 *Landscape Drawing with Colored Pencils*; Eileen Rosen, art teacher and illustrator; 10 a.m.-2:30 p.m.; \$40; \$36/members. Also June 30.

Office of Community Housing

- Info/RSVP: (215) 898-7422 or bramsey@pobox.upenn.edu.
6/4 *Hiring a Contractor*; noon-1 p.m. & 1-2 p.m.; 720 Franklin Bldg.
6/6 *Community Housing 101*; noon-1 p.m. & 1-2 p.m.; 4046 Walnut Street; Also June 20, 720 Franklin Bldg. & July 18, 4046 Walnut Street.
6/11 *Credit Counseling and Repair*; noon-1 p.m. & 1-2 p.m.; 720 Frankling Bldg.; Also July 16, 4046 Walnut St.
6/25 *Obtaining a Mortgage*; noon-1 p.m. & 1-2 p.m.; 4046 Walnut Street; Also July 9.
7/11 *Home Buying Seminar*; noon-1 p.m. & 1-2 p.m.; 4046 Walnut Street.



Great Lighthouses!

With its Grand Opening on June 17th, Father's Day, the *Morris Arboretum's* 2001 Garden Railway display features "Great Lighthouses" within the miniature world created in the splendor of its summer garden. Along with G-scale model trains, historic houses and colorful plants, the lighthouses are constructed with acorns, moss, bark, twigs, leaves, seeds, resin, honey-suckle and other natural materials. See Exhibits, Fitness/Learning & Special Events.



The Sounds of Music at the Penn Bookstore

(Counter-clockwise from left)
Denise King
Stephen Wise
Charles Fambrough
See Music.

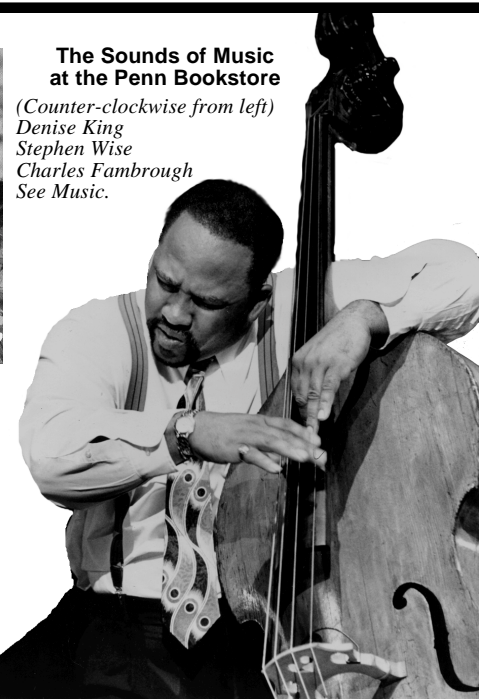


Photo by R. Andrew Lepley

Master Lecture Series

9 a.m.-noon; \$65; \$45/students. Info./registration: Mary Ann Layden at (215) 898-4106 or www.med.upenn.edu/psycct.
6/16 *PSTD*.
7/21 *Personality Disorders*.
8/18 *Imagery*.

MEETINGS

- 6/4** *Strictly Speaking Toastmasters Meeting*; 6:30 p.m.; Bookstore. Info.: (215) 898-5965 or www.bkstore.com/upenn. Also June 18, July 2 & 16 and August 6, 13 & 20.
6/6 *WXPN Policy Board Meeting*; noon; 3624 Market St.
6/15 *Trustees Stated Meeting*; 11 a.m.-noon; Inn at Penn.

MUSIC

- 6/6** *Jazz in the Cathedral Garden*; 7 p.m.; Philadelphia Cathedral, 3723 Chestnut St.; \$8, \$10. Info.: (215) 386-0234. *Every Wednesday through August 8* (Cathedral-Denise King Productions; www.VisionInJazz.com).
6/7 *Old Time, Irish and Bluegrass Jam Session*; bring your instrument; noon-1 p.m.; Steinhart Plaza behind Steinberg Hall-Dietrich Hall. Info.: (215) 898-2172. *Thursdays through September 20.*
6/14 *Songwriter's Round Robin*; singer-songwriter Gina Scipione, ELP, performs with guests; 8-10 p.m.; \$5; chapel, Philadelphia Cathedral, 3723 Chestnut St. Info.: (215) 898-5126. Also July 19 & August 16.
Penn Bookstore
Noon, unless otherwise noted. Info.: (215) 898-5965 or www.bkstore.com/upenn
6/5 *The History of Jazz*; by Warren Oree & Kay; 11 a.m.
6/13 *Denise King*
7/12 *Stephen Wise*
8/9 *Charles Fambrough and his Trio*
5th Annual Blues Fest
Proceeds benefit the Partnership CDC. Info: (215) 662-1612 or www.greaterphillybluesfest.com
6/7 *Ron Kraemer and the Hurricanes*; 8 p.m.; The Ivy Grille; free.
6/8 *Cliff Cliff*; 6 p.m.; El Diner; free.
6/9 *Brave New Blues*; 7 p.m.; Houston Hall; \$100/dinner only; \$120/dinner & concert.
Dr. John and Shemekia Copeland; 9 p.m.; Irvine Auditorium; \$30-35.
6/10 *Lea Gilmore and Eric Byrd*; 11 a.m.; Faculty Club, Inn at Penn; free.

Morris Arboretum

- Free with admission.
6/7 *Chestnut Hill Community Orchestra*; performance of classical and pop favorites; 6:30-8 p.m.
6/21 *Friends Jazz Ensemble*; 6:30-8 p.m.
7/5 *Latin American Cultural Roots*; enjoy the plaintive flutes of the Andes, the melodic marimba from Guatemala and the zapateado of the Jarabe Tipatillo; 6:30-8 p.m.
7/8 *Bunch of Drummers*; experimental percussion group; 1-3 p.m.
7/19 *Magical Strings*; Celtic harp and hammered dulcimer duo of Pam and Philip Boulding; 6:30-8 p.m.
8/2 *Simple Gifts*; international folk music from Irish jigs and down home American reels to Balkan dance music and Scandinavian twin fiddling; 6:30-8 p.m.

READINGS/SIGNINGS

- 6/1** *A President In The Family*; Thomas Jefferson, Sally Hemmings, and Thomas Woodson; discussions and signings; Byron Woodson Sr.; 6 p.m.; Bookstore; Info.: (215) 898-5965 or www.bkstore.com/upenn
6/6 *Speakeasy: Poetry, Prose and Anything Goes*; 8 p.m.; College Green by the Button. Also June 20, July 25 and August 1 (Kelly Writers House).
6/13 *Speakeasy: Poetry, Prose and Anything Goes*; 8 p.m.; Wynn Commons. Also July 11 (Kelly Writers House).

SPECIAL EVENTS

- 6/7** *Penn Faculty & Staff Appreciation Picnic*; box lunches from Bon Appetit; music by *Friends* with Glenn Bryan, City & Community Relations 11 a.m.-2 p.m.; College Green. Pre-registration required: www.hr.upenn.edu/quality/staffrecognition/spring.htm. Info.: (215) 898-5116 or rosenthal@hr.upenn.edu (Division of Human Resources).
6/8 *Beach Party*; 3-7 p.m.; Wynn Commons; wading pools, super-soakers & free food (Summer Session/SAS/CGS, VPUL).
Moonlight and Roses Gala; 6 p.m.-midnight; Morris Arboretum; \$175; \$115/ ages under 35; call (215) 247-5777 ext.152 for invitation (Arboretum).
6/13 *Crafts on the Commons*; 10 a.m.-3 p.m.; Wynn Commons; local crafters and vendors featuring jewelry, baskets, art and more; info.: (215) 898-6081; (VPUL).
6/24 *Study Brunch*; noon; Houston Hall; relieve some stress with snacks while preparing for finals. Also July 22 & August 5 (Summer Session/SAS/CGS; VPUL).
7/9 *Summer Clearance Sidewalk Sale*; Bookstore; info.: (215) 898-5965 or www.bkstore.com/upenn. Mondays, Tuesdays & Wednesdays through August 1 (Penn Bookstore).
8/4 *Rent-a-Grill Picnic and Talent Show*; 3-7 p.m.; Wynn Commons; bring your food and talents; grill will be provided; (Summer Session/SAS/CGS, VPUL).

TALKS

- 6/1** *Quality of Care and Mental Illness: Lessons Learned from Schizophrenia & Comparisons to Medical Quality*; Donald Steinwachs, Johns Hopkins University; noon-1:30 p.m.; CPC, 1st floor auditorium, 3641 Locust Walk; info.: (215) 898-5611 or www.upenn.edu/ldi (LDI).
6/6 *Regulation of Cell Mobility by Ena/VASP Proteins*; Frank Gertler, MIT; noon; 2nd fl. conference rm., Vagelos Research Labs (Chemical Engineering; IME).
6/7 *The Belmont Report*; James McCartney, Villanova University; noon-1:30 p.m.; 3401 Market Street, suite 320 (Center for Bioethics Emanuel & Robert Hart Lecture Series [Bioethics ERHLS]).
6/14 *Interactions between Primate Lentiviruses and Their Host*; Mario Stevenson, University of Massachusetts Medical School; 12:30-1:30 p.m.; Austrian Auditorium, CRB (CFAR).
6/21 *HIV, the Thymus, and Immune Reconstitution in AIDS*; Barton Haynes, Duke University School of Medicine; 12:30-1:30 p.m.; auditorium, BRBII/III (CFAR).
7/18 *Genetic Influences on Smoking Behavior: Clinical Potential and Ethical Considerations*; Caryn Lerman, psychiatry; noon-1:30 p.m.; 3401 Market Street, suite 320 (Bioethics ERHLS).
60-Second Lecture & Lunch Series
Brief lecture and music; 11:30 a.m.; Quaker Shaker, 37th St. & Locust Walk. Info.: (215) 573-9054 or lygonza2@sas.upenn.edu (Summer Session/SAS/CGS; VPUL).
6/6 *Cristle Collins Judd*, Music.
6/13 *Helen C. Davies*, Medicine.
6/20 *Sheldon Hackney*, History.
6/27 *Charles McMahon*, Materials Science, Engineering.
7/11 *Judith Rodin*, President.
7/18 *Robert Barchi*, Provost.
7/25 *TBA*. Also August 1.

Almanac

Suite 211 Nichols House, 3600 Chestnut St. Philadelphia, PA 19104-6106
(215) 898-5274 or 5275 FAX (215) 898-9137
E-Mail almanac@pobox.upenn.edu
URL: www.upenn.edu/almanac

Unless otherwise noted all events are open to the general public as well as to members of the University. For building locations, call (215) 898-5000 between 9 a.m. and 5 p.m. Listing of a phone number normally means tickets, reservations or registration required.
This Summer calendar is a pull-out for posting. *Almanac* carries an *Update* with additions, changes and cancellations if received by Monday noon prior to the week of publication. Members of the University may send notices for the *Update* or *September AT PENN* calendar. Deadlines can be found on-line at www.upenn.edu/almanac/calendar/caldead.html.

Summer Programs at Penn

Once again, Penn's campus will welcome hundreds of summer program participants as annual Summer Programs get underway. Visitors of all ages will participate in academic as well as athletic programs, which are listed below.

Youth Sports

Gymnastics Camp*: weekly sessions for 25 children ages 5-12 include gymnastics instruction and other activities; Tom Kovic, (215) 898-5316; *June 11-July 13.*

Levy Junior Tennis Program*: 250 students ages 7-17 participate in tennis instruction and tournaments; Hal Mackin, (215) 898-4741; *June 11-August 10.*

Nike Field Hockey Camp*: 80 15-18 year-olds ; Val Cloud, (215) 898-6308; *June 19-23 and July 8-12.*

Nike Rowing Camp*: 45 14-17 year-olds ; Bruce Konopka, (215) 573-7071; *July 14-17 and July 28-31.*

Nike General Skills and Volleyball Camp*: 80-120 10-18 year-olds; Kerry Major, (215) 898-6495; *August 5-8.*

NYSP National Youth Sports Program: 200 West Philadelphia-area students, ages 10-16, attend free recreational activities and enrichment workshops; Murray Grant, (215) 573-5350; *June 18-July 23.*

Penn Men's Lacrosse: 10th-12th graders;Mark Van Arsdale, (215) 898-6140; *July 19-22.*

Penn Women's Lacrosse: 10th-12th graders; Karen Brower, (215) 898-8278; *June 25-28.*

Penn Junior Fencing Camp*: 100 14-17 year-olds; for fencers with at least one year of competitive fencing experience; David Micahnik, (215) 898-6116; *July 22-August 4.*

Penn Red & Blue Chip Volleyball Camp: 45 16-18 year-olds with advanced skills; Kerry Major, (215) 898-6495; *August 8-11.*

Quaker Basketball Camp*: instruction and competition for 100 8-18 year olds; Steve Donahue, (215) 898-6142; *June 18-22 and June 25-29.* Three-day camp; *July 5-7.*

Soccer Camp*: instruction and competition for 5-13 year olds; Darren Ambrose (215) 898-2923; *June 18-22 and July 23-27.*

Youth Academics

AFNA National Education and Research Fund: 200 Philadelphia 11th and 12th graders receive academic tutoring and college prep assistance; Earl Vinson; *July 17-August 14.*

Anthropologists in the Making*: 40 children aged 8-12 will be immersed in a different world culture each week at the University Museum; Kristin Bachman, (215) 898-4015; *June 25-August 24.*

Cognition Function-Problem Solving: 20 juniors from local high schools participate in hands-on research on brain and muscle function; Britton Chance; *June 18-August 15.*

Leadership Education and Development (LEAD) Program: 30 high school seniors; introduction to business principles for minority students; Anne Greenhalgh; *July 5-August 2.*

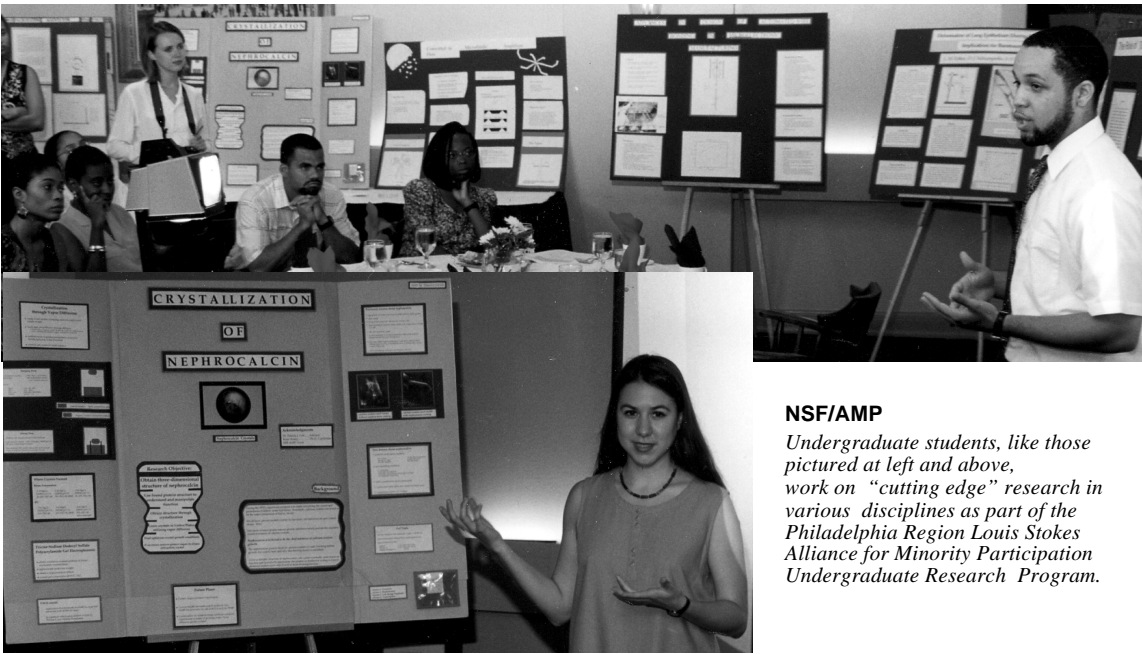
Leadership in the Business World (LBW): 54 high school seniors; students learn about business leadership through classes, trips and workshops; Mark Taylor; *July 9-August 3.*

Milken Young Entrepreneurs Program at Wharton (YEP): 40-45 students from grades 10-12 learn how to start their own small business; Jeff Harris; *July 23-August 3.*

Pathways to Engineering for Latinos: 40 Latino middle school students; an introduction to engineering and what engineers do; Jorge Santiago-Aviles and Colleen Davis; *June 25-July 27.*

Penn Merck Program: 75 students from grades 5 to 8; a college prep program taught by 3 master teachers and 36-40 visiting teachers & faculty focusing on science education and professional development for teachers; Deborah Smart; *July 9-20.*

* These programs may still accept applications. Call phone numbers listed for information.



NSF/AMP

Undergraduate students, like those pictured at left and above, work on "cutting edge" research in various disciplines as part of the Philadelphia Region Louis Stokes Alliance for Minority Participation Undergraduate Research Program.

Penn Summer Science Academy: 170-190 students from grades 10 to 12; an intensive program taught by Penn scientists consisting of both guided and independent lab and field projects, math workshops, computer labs, seminars and site visits; Valerie Ross; *July 2-27.*

Pre-college Program: 100-150 students in 11th and 12th grades from nine Philadelphia high schools take beginning-level courses and live in the dorms; Valerie Ross; *July 2-August 10.*

Summer Academic Institute: 80 7th- graders; students from the Overbrook Cluster participate in academic and enrichment activities; Annette Hampton; *June 18-July 13.*

Upward Bound Program: 50 9th-11th graders; program to increase students' academic proficiency, promote self-esteem, and motivate students to plan their educational and career goals; Judy Green; *June 17-July 27.*

Wego Program in English Language and US Culture: 60 high school students from Taiwan will take English classes at Penn; Hilary Bonta; *June 24-July 20.*

Undergrads

Afro-American Studies Summer Institute for Pre-freshmen: 30 pre-freshmen; introduction to major intellectual and cultural themes and currents in 19th and 20th Century African-American experience; Gale Ellison; *July 21-28.*

Freshman Orientation Program for the NROTC: 45 freshmen; Col. John Clauer; *August 30-September 4.*

Hope WorldWide: 60 students; present theatrical performances to educate children about preventative healthcare and social pressures; Marcy Lindenmuth; *July 29-August 11.*

NSF/AMP (Greater Phila. Region Louis Stokes Alliance for Minority participation) Undergraduate Research: 10 undergrads; work on 'cutting-edge' research in various disciplines; Cora Ingram; *May 24-August 3.*

Penn McNair Scholars Summer Research Program: 15 undergrads; McNair Scholars will conduct graduate-level research projects with Penn faculty mentors; Malcolm Bonner; *May 22-June 29.*

Pre-academic Training for Freedom Support Act Grantees: 50 adults, grantees of Freedom Support Act scholarships; prepares participants for academic life at U.S. universities; Susan Caesar; *July 29-August 11 and August 12-25.*

Pre-Freshman Program: 110 freshmen; preview of intellectual & social life at the University; John Lavoy; *July 21-August 24.*

Public Service Summer Internships: 20 undergrads; Joann Weeks; *May 23-August 13.*

Summer Institute for Demographic Research: 10 undergraduates; program to improve the human resource base in demography and to reinforce the ethnic diversity of that resource base; Tukufo Zuberi; *July 2-August 10.*

Summer Internships in Biological Sciences: 29 undergraduates; hands-on experience in a biomedical laboratory; Michael Selzer; *June 4-August 10.*

Summer Pre-Med Enrichment Program for Minority Undergraduates: 10 undergraduates; students are required to have completed at least two years of undergraduate study; Jerry Johnson; *May 21-July 27.*

SUNFEST (Summer Undergraduate Fellowship in Sensor Technologies): 12 undergrads; research with faculty & grad students; Jan Van der Spiegel; *May 29-August 3.*

Grad Students

English for Architects: 10 graduate students; ESL training for graduate students in architecture at GSFA; Mara Blake-Ward; *July 23-August 16.*

History of Architecture: 15-20 graduate students; open to candidates for admission to the Master of Architecture program who need additional background; Ken Jacobs; *July 2-August 13.*

Landscape Architecture & Regional Planning (LARP) Summer Institute: 15-25 graduate students; introduces incoming students to the fundamental elements of landscape architecture; James Corner; *August 7-September 1.*

Lauder Institute Program in English and U.S. Cultural Perspectives: 7 graduate students; prepares speakers of English as a second language for the demands of graduate education in Wharton & SAS; Lyn Buchheit; *June 4-July 26.*

Physics for Architects: 20 graduate students; open to candidates for admission to the Master of Architecture program who need additional background; Richard Farley; *July 2-August 13.*

Summer Institute for International Business Students (SIIBS): 40 graduate students; prepares speakers of English as a second language for the demands of graduate business school; Bill Martin; *July 2- 27; July 30-August 10.*



Anthropologists in the Making gives children aged 8-13 the opportunity to experience the cultures and customs of different peoples from all over the globe each week at the University Museum through informational tours and activities such as simulated excavations, shown here.

Summer Preparatory Program: 15-20 graduate students; for candidates for admission to the Master of Architecture Program who need additional background in design studio; Larry Mitnick; *July 2-August 13.*

Adults/Professionals

Business English Program for Goldman Sachs Tokyo: 13 adults; English for information technology specialists from Japan; Heather Williams; *April 30-June 20; June 21-July 25.*

Conversation and Culture: 45 adults; language study and sociocultural experiences for nonnative speakers of English; Joan Sauvion; *July 2-27 and July 31-August 24.*

English for Legal Studies: 30 adults; language training for international LLM students at Penn Law School; Tom Adams; *July 16-26.*

ESL Study for Japanese Teachers of English: 3 professionals; enhances participants' knowledge of English and U.S. culture; Tom Adams; *June 18-August 10.*

Nova Academy Program in English and US Culture: 30 adults at each session; students from Nova Language Academy in Japan learn English and sociocultural experiences; Ross Bender; *July 21-August 4 and August 4-18.*

Penn-Merck Summer Institute: 75 Middle school teachers engage in hands-on learning in University labs and classrooms; Jane Horwitz; *July 9-26.*

SAS Training Program for International Teaching Assistants (ITA): 60 adults; prepares prospective TAs for teaching assignments by increasing their ability to become more intelligible speakers of English; Barbara Willenborg; *June 26-August 25.*

Summer Program in City Planning: 35-40 candidates for the Master of City Planning degree; students take classes in statistics, economics and urban design; Eugenie Birch; *August 1-31.*

TTL Global Inernship Program: 50 adults;ESL training for SK Telecom's interns/future employees; James Riedel; *July 1-August 4.*

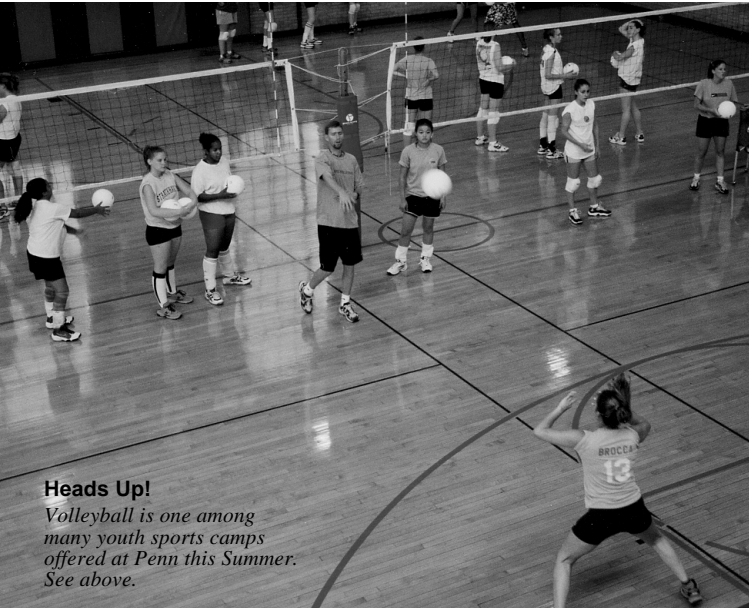
Veteran's Upward Bound: 47 adults; DOE-sponsored program to earn a GED or prepare for college; Annette Hampton; *May 14-August 18.*

Anthropologists



Summer

AT PENN



SUMMER HOURS 2001

Accounts Payable *Open:* Monday-Friday, 9 a.m.-5 p.m.

Annenberg Center Box Office *Open:* Monday-Friday, 10 a.m.-6 p.m., *Closed:* July 4

Cashier's Office Window *Open:* Monday, Wednesday, Thursday and Friday, 9 a.m.-4:30 p.m., Tuesday 10 a.m.-4:30 p.m.

Charles Addams Fine Arts Hall: Closed for the summer.

Christian Association *Open:* Tuesday-Thursday, noon-4 p.m. *Closed:* July 4, July 11-17. Other closings may occur. Info.: (215) 746-6350.

Community Housing *Open:* Monday-Friday, 9 a.m.-4 p.m. Info.: (215) 898-7422

Computer Connection *Open:* May 29-July 27, Monday to Friday 8:30 a.m.-6:30 p.m.; Saturday and Sunday, noon-5 p.m.; *Closed:* July 4th. Regular hours resume July 28.

Class of 1923 Ice Rink Closed for the summer.

Faculty Club *Open:* Monday-Friday, 8 a.m.-6 p.m.

Gimbel Gym & Katz Fitness Center Closed for the summer

Hillel *Open:* Monday-Friday, 9 a.m.-5 p.m. *Closed:* May 29 & July 4. Info.: (215) 898-7391.

Housing & Conferences Services *Open:* Harnwell House (HRE), June 16-August 23, Harrison House (HRS), May 18-August 25, Sansom Place West, June 1-August 25. *Closed:* all other residences. Info.: (215) 898-9319.

Houston Hall *Open:* Monday-Friday, 7 a.m.-8 p.m. On occasion, building will be open to accommodate events running past 8 p.m. on the weekends. Info.: (215) 898-4636.

Hutchinson Gym & Ringe Squash Courts *Open:* Monday-Friday, 6:30 a.m.-10 p.m.; Saturday, 10 a.m.-7 p.m.; Sunday, noon-7 p.m. Info.: www.upenn.edu/recreation/.

Hutchinson Pool *Open:* May 21-June 17 & July 28-Sept 5, Monday-Friday, 6:30 - 8:30 a.m. & 11 a.m.-9 p.m.; Saturday, 10 a.m. - 6 p.m.; Sunday, noon-6 p.m. June 18-July 27, Monday-Friday, 6:30 - 8 a.m.; Saturday, 10 a.m.- 6 p.m.; Sunday, noon-6 p.m. Info.: www.upenn.edu/recreation/.

Institute of Contemporary Art *Open:* Wednesday-Friday, noon-8 p.m.; Saturday-Sunday, 11 a.m.-5 p.m. *Closed:* July 30-September 15.

Kelly Writers House *Closed* for the summer. *Reopens:* September 4, 10 a.m. To reach staff, call (215) 573-9748 or e-mail wh@english.upenn.edu

Levy Tennis Pavilion *Open:* Monday-Friday, 9 a.m.-8 p.m., Saturday, 9 a.m.-2 p.m., *Closed:* Saturdays (July & August), Sundays.

L.U.C.Y. (Loop through University City) Runs: Monday-Friday, 6:30 a.m.-8 p.m., Saturday and Sunday. *Closed:* July 4. Info.: (215) 580-7800

Morris Arboretum *Open:* Monday, Tuesday and Friday, 10 a.m.-4 p.m., Wednesday and Thursday, 10 a.m.-8:30 p.m., Saturday and Sunday, 10 a.m.-5 p.m.

Newman Center *Open:* Monday-Thursday, 7:30 a.m.-4:30 p.m., Friday, 7:30 a.m.-1 p.m. *Closed:* May 28, July 4 & September 3.

Penn Bookstore *Open:* May 29-August 6, Monday-Saturday, 8:30 a.m.-9:30 p.m., Sunday, 10 a.m.-5 p.m. July 4, 10 a.m.-4 p.m.

Penn Fitness Center *Open:* Monday-Friday, 6:30 a.m.-10 p.m.; Saturday, 10 a.m.-7 p.m.; Sunday, noon-7 p.m. Info.: www.upenn.edu/recreation/.

Student Financial Services *Open:* Monday, Wednesday, Thursday and Friday, 9 a.m.-4:45 p.m.; Tuesdays, 10 a.m.-4:45 p.m. Info.: www.upenn.edu/sfs/.

Student Health Service *Open:* June, Monday-Friday, 8 a.m.-4:30 p.m., Saturday, 9 -11:30 a.m.; July & August, Monday-Friday, 9 a.m.-4:30 p.m., Saturday, 9-11:30 a.m. Info.: www.upenn.edu/shs/.

Transportation *Runs:* Escort Van, Monday-Sunday, 6 p.m.-3 a.m.; PennBus West, Monday-Friday, 4:50 p.m.-midnight (express run 4:50 p.m., regular runs 5:15 p.m.-midnight, every half hours after 6 p.m.); PennBus East, Monday-Friday, 5 p.m.-midnight, every 20 minutes after 5:40 p.m.; shopping shuttle discontinued.

University Museum *Open:* Tuesday-Saturday, 10 a.m.-4:30 p.m., Sunday, 1-5p.m. *Closed:* Sundays May 27 through September 2 and July 4.

Van Pelt-Dietrich Library Center *Open:* Monday-Thursday, 8:30 a.m.-9 p.m.; Friday, 8:30 a.m.-5 p.m.; Saturday, 10 a.m.-6 p.m.; August 10-September 4, Monday to Friday, 8:30 a.m.-5 p.m. *Closed:* July 4.

Rosengarten Reserve *Open:* Monday-Thursday, 8:30 a.m.-10 p.m.; Friday, 8:30 a.m.-5 p.m.; Saturday, 10 a.m.-6 p.m.; Sunday, noon-6 p.m.; *Closed:* August 10-September 4 , Saturdays & Sundays & July 4. Info.: www.library.upenn.edu/services/hours/hours.html.