

UNIVERSITY of PENNSYLVANIA *Almanac*

Tuesday,
May 28, 2002
Volume 48 Number 35
www.upenn.edu/almanac/

Law School's Awards



Colin Diver



Kim Lane Scheppele



David Skeel



Robert Fox



Joseph Manko

Colin S. Diver, Charles A. Heimbold Professor of Law and Economics, and the law dean from 1989-99, is the recipient of the A. Leo Levin Award for excellence in an introductory course. The Award was determined by the Associate Deans on the basis of teaching evaluations.

Professor Diver, known for his contributions to the school during his tenure as dean, took this same enthusiasm and commitment into the classroom—as was evident in the student evaluations which read in part, "...may be the best professor I've had in both my undergraduate and graduate experience," "...best teacher I have had in my schooling career. He makes me not only want to be a better lawyer, but a better person." And, "Every professor should be as clear, interesting, respectful, energetic and humorous as this one."

Professor Diver will be leaving Penn to serve as the 14th President of Reed College (*Almanac* February 19). According to Dean Michael A. Fitts, "Colin will be greatly missed here at Penn Law School. He served as a very successful dean for a decade (the longest tenure of any Penn Law Dean since Jefferson Fordham). Since stepping

down from the deanship, he has pursued teaching and scholarship with the same energy and dedication." The Colin S. Diver Distinguished Chair in Leadership was established in 1999 with contributions from alumni and friends of Penn Law.

Kim Lane Scheppele, professor of law, is the recipient of the Robert A. Gorman Award for excellence in teaching. The Robert A. Gorman Award was established this spring in honor of emeritus professor Robert A. Gorman, the Kenneth W. Gemmill Professor of Law, who taught at the school for more than 35 years until 2001. The Associate Dean determines the award based on student evaluations of courses.

Professor Scheppele's largest class, Evidence, is a standard in the law curriculum, and this year her class filled the largest classroom at the school. Her signature approach to teaching this class involves working with transcripts of actual trials to give students a sense of how real-world evidence problems arise.

This year, because of the 9/11 events, she used the transcript from the 2001 trial called the *U.S. v. Osama bin Laden*, a criminal case brought in New York City against four men accused of plotting and carrying out the bombing of American embassies in Kenya and Tanzania. Inspired by what she learned in editing down the transcript of this three-month trial, she went on in the spring term to develop a new course called Terrorism and Democracy, which looked at the

(continued on page 2)

Walter and Leonore Annenberg Professors in SAS

SAS Dean Samuel H. Preston has announced the appointment of Dr. J. Kent Blasie and Professor Peter Stallybrass to Walter H. and Leonore C. Annenberg Professorships.

Dr. J. Kent Blasie, professor of chemistry, is the new Walter H. and Leonore C. Annenberg Professor in the Natural Sciences. Dr. Blasie received his B.S. and Ph.D. from the University of Michigan in 1964 and 1968 respectively. He has been a professor of chemistry at Penn since 1979 and served as department chair from 1983 to 1985, initiating the first phase of an ongoing development plan. He also served on the faculty of the Medical School's Department of Biochemistry and Biophysics 1968-1979 before moving to the chemistry department in 1977 as an associate professor.

His research focus is on the structure and dynamics of membrane proteins and their artificial counterparts as biomolecular materials. He serves on the executive committee of the University's Laboratory for Research on the

Structure of Matter, as well as advisory committees at Argonne National Laboratory, Oak Ridge National Laboratory, Los Alamos National Laboratory, and the National Institute of Standards and Technology. In addition, he is the director of the Complex Materials Collaborative Access Team at the Advanced Photon Source at Argonne National Laboratory.

He has been the recipient of research grants from the NSF, the DOE and the NIH, and an undergraduate education grant from the Pew Charitable Trusts.

Professor of English Peter Stallybrass is the new Walter H. and Leonore C. Annenberg Professor in the Humanities. Professor Stallybrass received his undergraduate degree from the University of Sussex in the UK, where he also taught and did graduate work in Shakespeare and in European Romanticism. He joined Penn's English faculty in 1988 after teaching at Smith College, Hampshire College and Dartmouth College.

His area of interest is the Renaissance and the

history of the book and material culture. He received the James Russell Lowell Prize of the MLA for his latest book, *Renaissance Clothing and the Materials of Memory* with Ann Rosalind Jones. His other books include *The Politics and Poetics of Transgression* with Allon White and *O Casaco de Marx: Roupas, Memria, Dor*, a collection of essays on Marx, materiality, and memory. In 2000 he was the Samuel Wanamaker Fellow at the Globe Theater in London and chair of the English Institute at Harvard. He won the Christian R. and Mary F. Lindback Award for Distinguished Teaching in 2000 and SAS's Ira Abrams Memorial Award for Distinguished Teaching in 1997.

The Honorable Walter and the Honorable Leonore Annenberg, both of whom are emeritus Penn trustees, are lifelong supporters of Penn and patrons of education across the U.S. They have endowed many chairs in SAS and have made countless contributions to the University, including the creation of several professorships and the founding of the Annenberg School for Communication in 1958.

IN THIS ISSUE

- 2 SSW Dean Search Committee; Energy Conservation; Alumni Reunion Gifts
 - 3 F/S Appreciation Picnic; City Year Conference; Phone Directory Deadlines; Faculty Club Board
 - 4 Government Affairs Update
 - 6 Penn Perspective, HR: Summary Annual Reports
 - 7 Update; Crime Stats; Classifieds
 - 8 Research Roundup
- Pullout: Summer AT PENN**

Energy Conservation Reminder: Cooling Season Curtailment Steps



As part of the University's on-going efforts to save energy and natural resources, the Department of Facilities and Real Estate Services plans to institute the same curtailments used last summer.

Through these measures in 2001, Penn reduced consumption by five percent, thus saving more than 18.5 million kilowatt hours. This is

Law School Teaching Awards

(continued from page 1)

history of terrorism around the world and the responses of other governments to it, before concentrating on the 9/11 attacks in the US and the legal responses that came after.

"The students at Penn Law are terrific," Professor Scheppele said. "They are inspiring, and they appreciate courses that keep them in touch with what is happening in the world." She has also been involved in the College's experimental course "How Do You Know?," teaching a section on legal conceptions of evidence.

David Skeel, professor of law, was awarded the Harvey Levin Award for Teaching. This is the second time for Professor Skeel, who received this recognition in 1999 as well. The Award was named for alumnus Harvey Levin (B.S. '55, L.L.D. '58), an anti-trust law specialist who died in 1976 at the age of 43. It was established by his firm, Schnader Harrison Segal & Lewis in 1978, to be awarded annually to a faculty member in recognition of teaching excellence. Each recipient is selected by a majority vote of students earning the J.D. that year. The law firm donates funds for books selected by each year's winner relating to his or her area of interest, to be added to the Law School Library.

Professor Skeel teaches in the areas of bankruptcy and corporation law. This year he taught Commercial Credit II, Corporations, and a Gambling and Speculation Seminar. He is known for his dynamic classes, the clarity of his teaching and his enthusiasm.

Students have commented, "Professor Skeel is exceptionally clear and effective in generating interest in what he speaks about in class;" "one of the best organized;" "stimulated a lot of interest in the subject;" and "Professor Skeel is terrific and made the class so interesting—especially by incorporating current events."

He is the author of *Debt's Dominion: A History of Bankruptcy Law in America*, and a frequent commentator on NPR, in newspapers, and recently on *Nightline*.

Joseph Manko and Robert Fox are the first recipients of the school's new Adjunct Teaching Award which was established this year. The Associate Dean determines the award based on student evaluations of courses.

As experts in the field of environmental law, Professors Manko and Fox were able to provide students with special insights into their course, Introduction to Environmental Law, presenting theory and policy concepts while sharing real-world anecdotes about how environmental regulation works in practice. Students learned about the issues and requirements facing companies and regulators in evaluating and developing environmental policies and procedures, including the broad variety of enforcement actions.

One student commented, "I thought they were fantastic instructors. The discussion very rarely lagged, and they always kept me interested in even the driest material." Another noted, "both obviously are passionate about the field and conveyed that passion well."

the equivalent of planting 5,300 acres of trees or removing 2,500 cars from the road.

Across campus, for the past several weeks, Facilities staff have been fine-tuning systems and adjusting space temperatures from the heating season set-point of 68 degrees to the cooling season set-point of 78 degrees. In many of the newer buildings this may be done remotely, however in the older buildings adjustments are typically made at space thermostats throughout the buildings. Therefore in older buildings occupants are asked to please maintain 78 degrees.

In the event of extreme heat—typically when outside conditions reach 94 degrees with 50 percent humidity—Facilities will institute an action plan that calls for:

- Sending out alerts asking the Penn community to turn off all lighting in areas with any natural daylight. In areas without natural day lighting, but with task lighting, only overhead lighting should be turned off.
- Shutting down select equipment (i.e. air handling units, general exhaust fans, etc.) in specific buildings in consultation with appropriate school officials.
- Instituting rolling 30-minute shutdowns of some air handling units with as much prior notification to appropriate school officials as possible.
- Requesting that faculty and staff leave after noon or be directed to work at home since peak demand usually occurs between 1 and 4 p.m. This step requires the approval of the Provost and the Executive Vice President. Announcements will be made through e-mail, voice mail and the MELT line, which is typically used for snow emergencies.

Thank you for your attention in reviewing these steps in preparation for the challenges of this cooling season. With your support and cooperation, we will be successful in helping the University in this critical effort.

— Omar Blaik, Vice President,
Facilities & Real Estate Services
— Barry Hilts, Associate Vice President,
Facilities Operations

SSW Dean Search Committee

President Rodin and Provost Barchi have announced the formation of the committee to advise on selecting a Dean of the School of Social Work. The search committee invites nominations and applications for the position of Dean of the School of Social Work. Leading candidates for the Deanship will have distinguished records of accomplishment in research and education, administrative experience, and an appreciation of the values and objectives of a school dedicated to excellence in teaching and research. Nominees and applicants must demonstrate scholarly distinction appropriate for a tenured appointment in the School.

Applications and nominations, including a curriculum vita, may be forwarded to Chair, School of Social Work Dean Search Committee, Office of the President, 106 College Hall, Philadelphia, PA 19104-6380 or by e-mail to kellyke@pobox.upenn.edu. Nominations and applications will be reviewed immediately and accepted until the position is filled.

Members of the Search Committee include:

Michael Fitts, Dean, School of Law (*chair*)
Elizabeth E. Bailey, Professor, Wharton
Mary M. Cavanaugh, Ph.D. Candidate,
School of Social Work
Jeffrey Draine, Assistant Professor,
School of Social Work
Wendy Mann Hornick, Alumna/Overseer
School of Social Work
Janice Fanning Madden, Professor,
School of Arts and Sciences
Charlene Chen McGrew, Graduate Student,
School of Social Work
Lawrence W. Sherman, Fels Director and
Professor, School of Arts and Sciences
Phyllis Solomon, Professor,
School of Social Work
Carol Wilson Spigner, Associate Professor,
School of Social Work
Mark J. Stern, Professor,
School of Social Work
Kristine E. Kelly, Executive Assistant,
Office of the President (*staff*)

Alumni Reunion Gifts: Setting New Records Again

During Alumni Weekend 2002, the Class of '47 and the Class of '57 set new records for their respective reunion years; the Class of '37 set a record for the number of donors for the 65th reunion; the Class of '82 set a record for the number of donors for the 20th year reunion and the Class of 2002 set an all-time record for the number of donors from the senior class.

Class	Reunion	Total Dollars	Donors	Project
1937	65th	\$255,008	150*	Endowed Scholarships
1942	60th	\$762,683	177	Kelly Writer's House Garden; Class of 1942 Scholarship
1947	55th	\$2,381,105*	179	Class of 1947 Endowed Scholarship Fund
1952	50th	\$2,005,399	314	Class of 1952 Dedicated Clinical Assessment Center at the CCPPR; Class of 1952 Endowed Scholarship Fund
1957	45th	\$13,436,102*	215	Class of 1957 Endowed Scholarship Fund
1962	40th	\$750,062	219	Class of 1962 Walk Extension
1967	35th	\$3,353,682	274	Michael V. San Phillip Scholarship Fund
1972	30th	\$1,047,289	392	Class of 1972 Endowed Scholarship Fund; Class of 1972 Computer Lab, Laboratory in Woodland College House
1977	25th	\$3,028,303	475	\$1M Admissions Entranceway; \$1M Class of 1977 Endowed Scholarship Fund
1982	20th	\$1,005,694	578*	Unrestricted
1987	15th	\$1,607,711	394	Unrestricted
1992	10th	\$153,003	379	Unrestricted
1997	5th	\$120,662	296	Unrestricted
2002	senior	\$40,100	881**	Class of 2002 Gateway at Woodland Walk

* Denotes record

**Denotes all-time record for all classes

Penn Faculty and Staff Appreciation Picnic

*The President, Provost, and Executive Vice President
invite you to a picnic to celebrate and appreciate your contribution to Penn!
Join your colleagues under the tress of College Green for a
complimentary lunch by Bon Appetit and
concert by FRIENDS, with Glen Bryan.*

*Last year, 5,000 faculty and staff had a great time.
Don't miss this opportunity to enjoy good music, good food, and good company!*

Wednesday, June 12, 2002 (changed from June 13)

11 a.m. – 2 p.m.

On College Green between College Hall and the Library

Remember to bring: The "New Date" postcard sent to you via intramural mail and a photo ID. They are required to receive the complimentary lunch.

The picnic is sponsored by Human Resources. Questions? Contact QOWL, QOWL@hr.upenn.edu or call (215) 898-5116.

— Division of Human Resources

Cyzygy '02, City Year's National Convention: June 4-8

City Year, an AmeriCorps program with nearly 1,000 diverse young people in full-time volunteer service in communities across the country, is holding its annual convention June 4-9 at Penn.

The convention, *cyzygy '02: Building Democracy Through National Service*, marks the close of another successful year of national service for City Year's 17- to 24-year-old corps members and will unite corporate and community partners, elected officials, civic leaders and alumni in a celebration of the power of service to build a stronger democracy. From the Greek word "zyzygy," referring to the rare alignment of celestial bodies, *cyzygy* celebrates the importance of voluntary national service and youth leadership as powerful vehicles for positive change.

With Penn as the site of most *cyzygy* events and the temporary home to the conference attendees, the University community may notice heightened activity around campus. The offices of the President, Executive Vice President, Division of Public Safety and VPUL/Perelman Quadrangle have been working for several months with Campus Dining, the Departments of Housing and Conference Services, Facilities, University Communications and Community Affairs to ensure that *cyzygy* will go smoothly.

Please note these particulars about *cyzygy '02*, as it relates to campus activity:

- The conference will begin with the arrival of City Year corps members throughout the day, Monday, June 3, and will continue until their departure Sunday, June 9. Events are not open to the public.
- While University employees should expect additional pedestrian traffic on campus, *cyzygy '02* should *not* inconvenience their parking or public-transportation commutes, since the youths will arrive on buses and be housed in the Harrison and Harnwell College houses. The youths will take most of their meals in the 1920 Dining Hall.
- Most events will take place in Irvine Auditorium and Franklin Field and on College Green. There will also be bus excursions to various parts of the city.

- Among the array of public figures and corporate and community leaders scheduled to speak are former U.S. Sen. Harris Wofford, now chairman of America's Promise; Alma Powell, vice chair of America's Promise and wife of U.S. Secretary of State Colin Powell; Mitt Romney, CEO of the Salt Lake City Olympic Organizing Committee and now a Massachusetts gubernatorial candidate; and David Gergen, editor-at-large, *U.S. News and World Report*.

- Saturday, June 8, will be a day of service, in which the Corps members will build playgrounds, plant trees, and paint and otherwise spruce up eight schools in West Philadelphia. Members of the Penn community who want to volunteer their time and talents on Service Day should contact City Year at (215) 746-6801. Projects include cleaning, painting walls, fences and murals, landscaping and constructing playgrounds.

About City Year:

- City Year unites a diverse group of 17- to 24-year-old young people for a year of full-time, rigorous community service, leadership development and civic engagement.
- After completing their year of national service, City Year corps members earn nearly \$5,000 in assistance for college.
- City Year corps members earn their distinctive red jackets through the service milestones they achieve.
- Corps members lining up and clapping outside events venues are called "human arrows" and "power greeters."
- City Year has had a full-time program of service in Philadelphia for five years. There are 13 other City Year sites throughout the country.
- For more information about City Year, check out www.cityyear.org.

— Jeff Barta, Director of

Sales & Marketing, Conference Services



Faculty Club Board of Governors

The Faculty Club Annual Meeting was held on May 8. Congratulations to the newly elected and the reelected members of the Board of Governors for 2002-2003.

Elsa Ramsden, *President*
Ann O'Sullivan, *Vice President*
Jeanne Arnold, *Secretary*
Anthony Tomazinis, *Treasurer*
Roger Allen
Elijah Anderson
Michael Cohen
Susan Croll
Mark Devlin
Beverly Edwards
Anna Loh
Catriona MacLeod
John Rudolph
Edward Shils
Albert Stunkard

Penn faculty, staff, alumni and graduate students are invited to become members of the Club.

— Natalka A. Swavely, Club Coordinator

Faculty/Staff Directory Revisions

Important: Mailing to Department Heads

In June, a mailing will be sent to all department heads outlining the 2002-2003 Telephone Directory production process and timeline. Additionally, this mailing will help us ensure that our Telephone Directory Liaison list is accurate and up-to-date. Department heads are asked to forward the appropriate materials in this mailing to the staff member responsible for working with the Telephone Directory Office. All subsequent directory communications will be made through this Directory Liaison.

Update Individual Directory Records Online

For inclusion in the 2002-2003 Directory, *Tuesday, June 21 is the final day to update individual records online.*

To update your record in the white pages:

- 1) Go to www.upenn.edu/directories/dir-update.html (by June 21 for the hard-copy directory).
- 2) Click on "Online Add/Update Form."
- 3) Enter your PennNet ID and password. (For more information regarding your PennNet ID and password, go to www.upenn.edu/computing/netid).
- 4) Follow the prompts. Once you have entered and reviewed any revisions, be sure to click "Update Listings" so your changes will take effect.

White Pages Verification: Changes July 29

Lists of white pages submissions will be sent to Directory Liaisons for verification the first week in July. Please review these white pages listings and submit any changes by July 29.

Tan Pages Updates: Changes Due July 1

Tan pages edits must be returned by the Telephone Directory Office by July 1.

New Staff Members

New staff members may update their record online after they have obtained a PennCard and PennNet ID/password. Inclusion in the printed directory will be at the discretion of the department.

Non-University Staff

For representatives of CHOP, HUP, Inn at Penn, Sheraton, Penn Bookstore, and other University partners, updates will be made via the list sent to Directory Liaisons.

More Information

For more information, review the Directory FAQ at www.business-services.upenn.edu/ (click on the Faculty/Staff Directory link).

If you have questions, please e-mail fsdirectory@pobox.upenn.edu.

—Donna M. Petrelli Aquino, Senior IT Support Specialist, Division of Business Services

Government Affairs Update

Federal Relations

New Border Security Legislation

On May 14, President Bush signed into law the Enhanced Border Security and Visa Entry Reform Act of 2002, which contains several provisions that are relevant to higher education. The new law requires student visa applicants to provide additional information on their applications including the names and addresses of spouse, children, parents, and siblings; contacts within the country of residence who can verify personal information; and previous work history.

The measure requires the State Department and Immigration and Naturalization Service (INS) to notify institutions when students have been issued visas, and when these individuals enter the United States. Institutions will be required to notify INS within 30 days if a student visa holder fails to enroll. The Department of Education will also be required to conduct regular reviews of institutions certified to receive foreign students, to ensure that the institutions are in compliance with recordkeeping and reporting requirements.

Much of the compliance with this law will be dependent on the Student and Exchange Visitor Information System (SEVIS), which INS expects to be operational this fall. SEVIS is a nationwide electronic tracking system for foreign students. The INS recently published implementation regulations for SEVIS, which require that all higher education institutions use the system by January 2003.

Sensitive Areas of Study

Bush Administration officials recently announced plans to implement a Presidential Directive related to access by international students to education and training in "sensitive areas of study." The stated objective is to create a system that balances scientific freedom and progress with national security.

The plan focuses on creation of a new governmental entity to provide an additional level of review for all student visas and visas for postdoctoral students and researchers. The new mechanism will be called Interagency Panel on Advancing Science and Security (IPASS).

Visa applications will be flagged for IPASS review if certain criteria are met during the regular review process. These criteria include: being citizens of countries that are determined as suspicious or dangerous, having past training in certain scientific areas, and applying for study in areas that are "sensitive" and "uniquely available in the United States." The Administration has not yet determined which countries will raise red flags, and has not yet defined which areas of study will be identified as "sensitive."

After IPASS has completed its review of visa applicants, the findings and recommendations will be forwarded to either the INS or the State Department, depending on the circumstances, for further action. IPASS is expected to review about 2,000 applications per year. There is no timetable for implementation of IPASS.

IPASS will, under certain circumstances, review current visa holders under the same procedures. This review will occur when students apply for a change in status, or if irregularities or concerns are brought to light through the Student Exchange Visitor Information System (SEVIS) electronic tracking system for foreign students. The parameters will be slightly different for graduate and undergraduate study.

Changes in Student Visa Processing

Over the past months, the Department of State has implemented new policies that affect the processing of student visas. Please keep these in mind for students for the coming academic year.

- The State Department has implemented the Supplemental Nonimmigrant Visa Application, Form DS-157. All male nonimmigrant visa applicants between the ages of 16 and 45, regardless of nationality and regardless of where they apply, must complete and submit

a DS-157 in addition to the Nonimmigrant Visa Application (DS-156). This form may trigger an additional review process, which could add up to six weeks to the length of time for visa processing.

- The State Department has published an interim rule that prohibits individuals who entered the United States on a work or visitor visa from changing to a student visa if they did not announce their intention to study upon admission to the United States. The measure also prevents individuals who are in the United States on B visas (temporary visitor visas) from taking courses while they are here.

Rats, Mice, and Birds

The farm bill signed by President Bush on May 13 permanently excludes rats, mice, and birds from oversight under the Animal Welfare Act (AWA). This development is a victory for the research community, which has fought back efforts to include rats, mice, and birds under the AWA that resulted from a lawsuit against the United States Department of Agriculture (USDA). This provision will retain the 30-year policy of excluding rats, mice and birds from USDA regulation and will prevent the implementation of additional, burdensome paperwork requirements at our nation's biomedical research facilities. The cost of this inclusion was expected to exceed \$100 million per year.

Bioterrorism Legislation

Before adjourning for Memorial Day recess, Congress approved bioterrorism legislation that would give universities more responsibility for guarding biological agents used in research. This legislation is intended to address tracking of individuals who are working with potentially dangerous biological materials.

The new bioterrorism bill requires that every university and laboratory working with biological material that could be used to pose a public health threat—"select agents"—would be required to register with the U.S. Department of Health and Human Services (HHS) or the U.S. Department of Agriculture (USDA). Under current law, only laboratories that send or receive "select agents" must register. In addition, the legislation would impose new steps designed to limit access to 42 biological agents including anthrax, the Ebola virus, and smallpox.

The bill would prohibit scientists from countries that are considered state sponsors of terrorism (including Iraq and Iran) and any individuals with criminal records from handling "select agents." It would also implement a government-run screening process for all scientists handling "select agents." However, the legislation specifically states that any researchers who are in the midst of a project will be permitted to continue their work while the government performs its background checks. For new hires, individuals will not be able to begin work until the background screening is complete.

The background check process will work as follows: universities will submit names of researchers studying "select agents" to the Department of Health and Human Services. Names of individuals doing research on plant and animal pathogens will be submitted to the Department of Agriculture. The U.S. Attorney General's Office will then conduct the necessary background checks.

The legislation includes an appeal process if the government denies approval to a researcher. It also has a provision that would allow scientists to work on "select agents" without being screened in the case of an emergency.

The measure represents a compromise between earlier versions that had passed the House and the Senate. President Bush is expected to sign the bill shortly. Thereafter, HHS and the USDA will publish for comment the implementing regulations. The higher education community will work closely with these departments on the implementation process. We will keep the University community apprised of the details as soon as they are available.

For further information pertaining to these or other federal relations issues, please contact Melissa Peerless at peerless@pobox.upenn.edu or (215) 898-1532.

(continued on page 5)

Commonwealth Relations

Medical Liability Reform

On March 14, House Bill 1802 – Medical Liability Reform was passed by unanimous vote in the Senate and with only one negative vote in the House. The final bill was an amended version of the reform bill approved by the House and sent to the Senate on February 13. The bill was subsequently signed into law by the Governor on March 20 as Act 13 of 2002.

HB 1802 incorporates a number of limited tort reform measures. A new provision bars causes of action seven years from the occurrence of the event, with exceptions for minors and certain other circumstances. There are new expert witness qualification requirements. The collateral source rule that had prevented offsets to damages for medical expense and lost earning recoveries by plaintiffs from third parties has been eliminated. There are now periodic payments for future medical expenses over \$100,000. There is a new requirement that trial courts must consider motions challenging a verdict as excessive to evaluate its impact on availability or access to health care in the community. The ostensible agency rule has been modified setting a higher standard when hospitals can be held responsible for the acts of non-employed physicians. Finally, HB 1802 creates a committee to study jurisdiction/change of venue issues with recommendations to be made by September 2002.

HB 1802 also contains a number of measures relating to the Medical Professional Liability Catastrophe Loss (CAT) Fund. The Fund is transferred to the Insurance Department and the Department is required to contract with a third party administrator to manage settlement of the remaining cases. There is a reduction in Fund coverage from \$700,000 to \$500,000 effective January 1, 2003 with a reduction in provider coverage to \$1 million per occurrence/\$3 million aggregate (\$4 million for hospitals). The Fund will be phased out over the next seven years with changes to the levels of primary coverage physicians will have to obtain increasing to \$1 million effective January 1, 2009. The Insurance Commissioner can suspend the phase-out if there is not available medical liability coverage in the commercial market. Experience ratings will be used for providers to increase the relative level of surcharges for providers with multiple paid claims from the Fund. The Fund surcharge is capped, in the aggregate, at 95% of the 2001 surcharge for 2002 and at 90% for 2003 and 2004. Starting in 2004 and continuing for 10 years, \$37 million from the Auto CAT Fund will be used to reduce Fund liabilities, reducing the level of the surcharge. The Auto CAT Fund dollars will be allocated in a manner such that 50% will be used to reduce surcharges for hospitals and at-risk specialists (surgeons, obstetricians, etc.) with the result that the surcharge reduction for those “at risk” providers will be significantly more than for all other providers.

There are new professional board reporting requirements relating to complaints and disciplinary actions against physicians, midwives and podiatrists, including mandatory reports from the CAT Fund on any providers with more than three paid claims from the Fund. There will be increased fines for professional practice act violations as well as new continuing education requirements for providers.

HB 1802 establishes a new 11-member Patient Safety Authority appointed by the Governor and the Legislature and chaired by the Physician General to be funded by facility license surcharges (up to \$5 million in total expenses). The legislation requires reporting to the Authority by hospitals, birthing centers and ambulatory care facilities (ACFs) of *serious events* (occurrences that are undesirable and result in death or injury that require additional medical care) and *incidents* (occurrences that are undesirable that could have resulted in injury). HB 1802 permits anonymous reports to be made to the Authority and for the Authority to investigate reports if not satisfied with the report from the providers. A medical facility can be fined up to \$1,000 per day for failure to report. Hospitals, birthing centers and ASFs are required to develop patient safety plans (to be approved by the Department of Health) for the purpose of improving “the health and safety” of patients and the bill requires the establishment of a patient safety committee and the appointment of a patient safety officer. Of great import to providers, HB 1802 protects the

confidentiality of information generated to comply with the new patient safety requirements, except original source documents (e.g., medical records). Also, HB 1802 requires the Insurance Department to establish a patient safety discount for those providers that adopt measures that reduce medical errors and improve patient safety.

The University of Pennsylvania Health System, along with other providers in the Commonwealth, continue to experience extraordinarily high medical liability costs. Some private practice physicians, especially in certain subspecialties, have not been able to obtain commercial coverage at any price. It remains to be seen whether HB 1802 will have any significant immediate or long-term effect on the cost of medical professional liability coverage or access to that coverage. The Health System and the University will continue to work as an institution and through various advocacy coalitions to address unresolved medical malpractice issues and the overall health care delivery system and economic stability of hospitals and health systems.

City and Community Relations

Walnut West Library

The first phase of the City of Philadelphia’s \$3 million Walnut West Library renovation project is currently underway. The building design restores the original 40th Street entrance as well as the skylights, and provides a modern, state-of-the-art public library facility for West Philadelphia. Throughout the summer, the demolition phase of the project will move forward, allowing for the removal of materials from the interior of the building. By mid-August, the building will be secured while the design is finalized. The one-year construction phase is scheduled to begin in December 2002. Councilwoman Jannie Blackwell, the Friends of the Walnut West Library, and the University City Historical Society, who worked passionately to champion this project, expect the renovated facility to reopen in early 2004.

Drawings are on display at the library branch at 3927 Walnut Street. Please note that the Friends of Walnut West Library will now hold their Friday afternoon book sales on the lawn between DuBois House and the library building while construction activity is underway.

City Year Day of Service

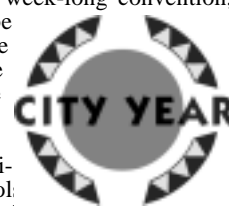
The culminating event of City Year’s week-long convention, *cyzygy ‘02*, (see details on page 3) will be high-impact day of community service to be run at nine different schools and day care centers throughout West Philadelphia. The “City Year Day of Service”, on Saturday, June 8, will tap the power of the entire City Year national network to revitalize communities through projects at the following schools: Lea Elementary, West Philadelphia High, The Penn-Assisted School, Parent-Infant Center, University City High, Drew Elementary, The Walnut Center, Powel Elementary, and McMichael Elementary. The projects were designed in partnership with principals, students and other community organizations at each of these locations. It is estimated that these efforts will impact the lives of over 7,000 children.

City Year is looking to engage members of the West Philadelphia community in working with its “corps members” during planned service activities. These activities include:

- The installation of 7 new playground systems
- Refurbishment of three multi-use fields
- Painting of community murals
- Planting of fresh service learning gardens

Members of the Penn community who want to volunteer their time and talents on Service Day should call City Year at (215) 746-6801.

—Carol R. Scheman,
Vice President for Government, Community and Public Affairs



Penn Perspective: June 25 & 26

Penn is a unique institution with a proud history and worldwide reputation for excellence. Although our mission of education, research and service is easily understood, the business of running such a large and diverse enterprise is not. It is a very complex process. This program will attempt to provide insight into these complexities and those attending the program will leave with a better understanding of how the University works. Participants will also develop a greater appreciation for the role they play in this process.

This two-day Learning and Education Program will include the opportunity for you to hear first-hand from Penn's leaders regarding critical aspects of the University's structure, mission and future direction. The program will be held Tuesday, June 25 and Wednesday, June 26, 9 a.m.-4:30 p.m. in Bodek Lounge, Houston Hall. Continental breakfast and lunch are included. The registration fee is \$50.

You may register online via the Online Course Catalog at www.hr.upenn.edu/learning.

—Division of Human Resources

Summary Annual Report for the Retirement Allowance Plan and Life Insurance Program

This is a summary of the annual reports for the Retirement Allowance Plan and for the Life Insurance Program sponsored by the University of Pennsylvania, EIN 23-1352685, for the period July 1, 2000 through June 30, 2001. The annual reports have been filed with the Pension and Welfare Benefits Administration, as required under the Employee Retirement Income Security Act of 1974 (ERISA).

To facilitate publication, the reports have been combined. Consequently, portions of this summary may refer to a plan in which you are not currently participating.

Retirement Allowance Plan: Basic Financial Statement

Benefits under the plan are provided through a trust fund. Plan expenses were \$6,285,028. These expenses included \$453,634 in administrative expenses and \$5,831,394 in benefits paid to participants and beneficiaries. A total of 6,386 persons were participants in or beneficiaries of the plan at the end of the plan year.

The value of plan assets, after subtracting liabilities of the plan, was \$136,975,788 as of June 30, 2001, compared to \$136,183,646 as of June 30, 2000. During the plan year the plan experienced an increase in its net assets of \$792,142. This increase includes net unrealized appreciation in the value of plan assets; that is, the difference between the value of the plan's assets at the end of the year and the value of assets at the beginning of the year or the cost of assets acquired during the year.

Minimum Funding Standards

An actuary's statement shows that enough money has been contributed to the plan to keep it funded in accordance with the minimum funding standards of ERISA.

Life Insurance Program: Insurance Information

The Plan has a contract with Teacher's Insurance and Annuity Association to pay Life Insurance, AD&D and Dependent Life claims incurred under the terms of the plan.

Because it is a so-called "experience-rated" contract, the premium costs are affected by, among other things, the number and size of the claims. Of the total insurance premiums paid for the plan year ending June 30, 2001, the premiums paid under such "experience-rated" contract were \$3,023,137 and the total of all benefit claims paid under the contract during the plan year was \$2,287,725.

Your Rights to Additional Information

Under ERISA, you have the right to receive a copy of the full annual report, or any part thereof, upon request.

To obtain a copy of either plan's full annual report, or any part, thereof, write or call the office of the Plan Administrator, c/o Joanne M. Blythe, Retirement Manager, University of Pennsylvania, 3401 Walnut Street, Suite 527A, Philadelphia, PA 19104-6228, (215) 898-9947. The charge to cover copying costs will be \$5 for the full annual report or 25 cents per page for any part thereof.

You also have the legally protected right under ERISA to examine the annual reports in the offices of the Employer, and at the U.S. Department of Labor in Washington, D.C., or to obtain a copy from the U.S. Department of Labor upon payment of copying costs. Requests to the Department should be addressed to: Public Disclosure Room, Room N-5638, Pension and Welfare Benefits Administration, U.S. Department of Labor, 200 Constitution Avenue, N.W., Washington, D.C. 20210.

Summary Annual Report for the Matching Plan, Basic Plan and the Supplemental Retirement Annuity Plan

This is a summary of the annual reports of The University of Pennsylvania Matching Plan (Plan 001), The University of Pennsylvania Basic Plan (028) and the Supplemental Retirement Annuity Plan of the University of Pennsylvania (002) sponsored by the University of Pennsylvania, EIN: 23-1352685, for the period July 1, 2000 through June 30, 2001. The annual reports have been filed with the Pension and Welfare Benefits Administration, as required under the Employee Retirement Income Security Act of 1974 (ERISA).

To facilitate publication, the reports have been combined. Consequently, portions of this summary may refer to a Plan in which you are not currently participating.

Basic Financial Statement:

The University of Pennsylvania Matching Plan and Supplemental Retirement Annuity Plan of the University of Pennsylvania

The Plans have contracts with the providers TIAA-CREF and Vanguard which allocate funds toward group deferred annuities and mutual funds. Participants who have accounts with these providers deal directly with them when making transactions in their respective accounts. The providers render financial reports directly to the plan participants.

Basic Financial Statement: The University of Pennsylvania Basic Plan

Benefits under the plan are provided through allocated insurance contracts and a trust fund. Plan expenses were \$44,537. These expenses included \$287 in administrative expenses and \$44,250 in benefits paid to participants and beneficiaries. A total of 10,442 persons were participants in or beneficiaries of the plan at the end of the plan year.

The value of plan assets, after subtracting liabilities of the plan, was \$18,738,418 as of June 30, 2001, compared to \$0 as of June 30, 2000. During the plan year the plan experienced an increase in its net assets of \$18,738,418. This increase includes net unrealized depreciation in the value of plan assets; that is, the difference between the value of the plan's assets at the end of the year and the value of assets at the beginning of the year or the cost of assets acquired during the year. The plan had total income of \$18,782,955, including employer contributions of \$19,473,671, employee rollover contributions of \$7,119, and earnings from investments of -\$697,835.

The plan has contracts with TIAA-CREF which allocate funds toward individual policies. The total premiums paid for the plan year ending June 30, 2001 were \$2,526,312.

Your Rights to Additional Information

Under ERISA, you have the right to receive a copy of the full annual report, or any part thereof, upon request. The items listed below are included in that report for the University of Pennsylvania Basic Plan:

1. an accountant's report;
2. financial information;
3. assets held for investment;
4. transactions in excess of 5 percent of the plan assets;
5. insurance information; and
6. information regarding pooled separate accounts in which the plan participates.

To obtain a copy of the full annual report, or any part thereof, write or call the office of the Plan Administrator, c/o Joanne M. Blythe, Retirement Manager, University of Pennsylvania, 3401 Walnut Street, Suite 527A, Philadelphia, PA 19104-6228, (215) 898-9947. The charge to cover copying costs will be \$5.00 for the full annual report or 25 cents per page for any part thereof.

You also have the right to receive from the Plan Administrator, on request and at no charge, a statement of the assets and liabilities of the plan and accompanying notes, or a statement of income and expenses of the plan and accompanying notes, or both. If you request a copy of the full annual report from the Plan Administrator, these two statements and accompanying notes will be included as part of that report. The charge to cover copying costs given above does not include a charge for the copying of these portions of the report because these portions are furnished without charge.

You also have the legally protected right under ERISA to examine the annual reports in the offices of the Employer at the address for the Plan Administrator, above, and at the U.S. Department of Labor in Washington, D.C., or to obtain a copy from the U.S. Department of Labor upon payment of copying costs. Requests to the Department should be addressed to: Public Disclosure Room, Room N-5638, Pension and Welfare Benefits Administration, U.S. Department of Labor, 200 Constitution Avenue, N.W., Washington, D.C. 20210.

—Division of Human Resources

Update

MAY AT PENN

MUSIC

Philadelphia Blues Fest

See www.greaterphillybluesfest.com/events.html

30 Mike Guildin & Rollin' & Tumblin'; 6-8 p.m.; Palladium, 3601 Locust Walk; Free admission.

31 The Lou Jerome Blues Band; 6-8 p.m.; Pizza Rustica, 3602 Chestnut Street; Free admission. (Also see Summer At PENN for 6/1 concert).



Space 1026, Scratch Off the Serial, Ink, pencil, digital manipulation. 9 x 12 inches. At the ICA through July 14.

TALKS

29 *Neurobiology and Function of Vocalization in Parrots*; Arla Hile, U.S. Fish and Wildlife Service; 11:30 a.m.; library, Monell Chemical Senses Center (Monell Chemical Senses Center).

30 *Bitter Taste Perception of 6-n-propylthiou-racil: A Phenotype Associated with Food Selection and Body Weight in Preschool Children*; Kathleen Keller, Columbia University; 11:30 a.m.; library, Monell Chemical Senses Center (Monell Chemical Senses Center).

Deadlines: The deadline for the Summer AT PENN Update—to be published in the July 16 issue—is *Monday, July 8*. For submission information, see www.upenn.edu/almanac/calendar/caldead.html.

Reminder: Almanac Schedule

This is the last issue in the spring semester. If you need to publish information of concern to faculty and staff, please contact *Almanac* to reserve space in the mid-summer issue. *Almanac* does not publish weekly in the summer months. A mid-July issue is planned, as usual. Breaking news will be posted to *Almanac Between Issues* and *Express Almanac* will be sent as needed.

Are you responsible for some of the 292,000 hits to *Almanac's* website last week?

Get on Board Express Almanac

To sign up for our listserv to receive e-mail notification when we post breaking news between issues, send an e-mail message with "subscribe" as the Subject to almanac@pobox.upenn.edu and include your name, and e-mail address and mailing address. —Ed.



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 13 to May 19, 2002**. Also reported were **13 Crimes Against Property (including 1 burglary, 6 thefts, 3 retail thefts, and 3 robberies)**. Full reports on the Web (www.upenn.edu/almanac/v48/n35/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 13 to May 19, 2002**. 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.

05/13/02	11:46 PM	3800 Baltimore	Male wanted on warrant/Arrest
05/14/02	1:10 AM	4105 Pine St.	Male attempted to gain entry/Arrest
05/15/02	10:16 AM	3915 Walnut St.	Male blocking passage/Cited
05/16/02	7:44 PM	3300 blk Walnut	Male driving intoxicated/Arrest
05/17/02	6:50 PM	100 S 39 St.	Male aggressive toward police/Cited
05/18/02	1:39 AM	S 42 St.	Male stabbed female and fled

18th District Report

16 incidents and 2 arrests (including 10 robberies and 6 aggravated assaults) were reported between **May 13 to May 19, 2002** by the 18th District covering the Schuylkill River to 49th St. & Market St. to Woodland Ave.

05/13/02	7:43 AM	4600 Chestnut	Robbery
05/13/02	1:30 PM	4209 Chester	Robbery
05/15/02	2:20 AM	4624 Cedar	Aggravated Assault
05/16/02	3:50 PM	5000 Spruce	Aggravated Assault
05/16/02	4:00 PM	4900 Spruce	Aggravated Assault
05/16/02	12:20 AM	5131 Hazel	Robbery
05/16/02	11:00 PM	40367 Spruce	Robbery
05/16/02	2:20 AM	3604 Chestnut	Robbery
05/17/02	8:27 PM	4700 Chester	Robbery
05/17/02	3:08 AM	4500 Spruce	Robbery
05/17/02	4:44 AM	4201 Walnut	Robbery
05/18/02	1:20 AM	1 42nd St.	Aggravated Assault
05/19/02	1:00 AM	4626 Cedar	Aggravated Assault
05/19/02	3:20 PM	4300 Chester	Aggravated Assault
05/19/02	11:35 PM	4403 Walnut	Robbery/Arrest
05/19/02	11:38 PM	4600 Walnut	Robbery/Arrest

CLASSIFIEDS—UNIVERSITY

RESEARCH

Spina bifida: Researchers at the University of Pennsylvania School of Medicine are working with individuals and families affected by spina bifida to identify the causes of this serious birth defect. This research study is open to individuals with myelomeningocele (spina bifida cystica or aperta) and their families. For more information about this study, please contact Katy Hoess (215) 573-9319 or 866-275-SBRR (toll free), e-mail: khoess@cceb.med.upenn.edu or visit our website at: www.sbr.info.

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 Rose Giordano at Giordano@mail.med.upenn.edu or (215) 662-9040. Compensation is provided.

Interested in preventing prostate cancer? Call Lisa @UPCC (215) 614-1811 regarding SELECT research study.

Almanac is not responsible for contents of classified ad material.

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

CLASSIFIEDS—PERSONAL

HOME INSPECTION

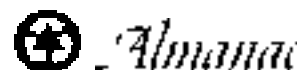
Need Home Repairs? You may be entitled to money for home repairs. Roof/plumbing leaks, water stains, etc. at *no cost to you*. Call for free property inspection today. Lisa Smith (215) 424-6748.

ACCOUNTANT

Tax Professional on Campus—Tax Return preparation & advice by Sage CPA/MBA for personal & small business; non-profits, estates, trusts, alien & Green Card Residents, advice, appeals, audits, no charge for first appointment-Day/Evg. Early Filer & Off Season Discounts. Call Tim (610) 853-2871—3916 Locust Walk (Church Admin. Office).

Almanac is not responsible for contents of classified ad material.

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



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

EDITOR Marguerite F. Miller
ASSOCIATE EDITOR Margaret Ann Morris
ASSISTANT EDITOR Tina Bejian
STUDENT ASSISTANTS Chris McFall; William Yeoh
UCHS INTERN Shante Rutherford

ALMANAC ADVISORY BOARD: *For the Faculty Senate*, Martin Pring (Chair), Helen Davies, David Hackney, Phoebe Leboy, Mitchell Marcus, Joseph Turow. *For the Administration*, Lori N. Doyle. *For the Staff Assemblies*, Michele Taylor, PPSA; Karen Pinckney, A-3 Assembly; David N. Nelson, Librarians Assembly.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, religion, color, national or ethnic origin, age, disability, or status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic, or other University administered programs or employment. Questions or complaints regarding this policy should be directed to Valerie Hayes, Executive Director, Office of Affirmative Action, 3600 Chestnut Street, 2nd floor, Philadelphia, PA 19104-6106 or (215) 898-6993 (Voice) or (215) 898-7803 (TDD).

New Pain Scale "Fifth Vital Sign" for Babies

Not all babies—or children—cry when they're hurt, so how can you be sure an infant is not in pain? Particularly if they have an undetected ailment or undergo routine but uncomfortable hospital procedures such as drawing blood or circumcision.

Penn researchers are investigating the usefulness of a pain scale which they now consider "the fifth vital sign" with newborns in hospital nurseries, said nursing professor Dr. Marilyn Stringer.

The assessment tool, Neonatal Infant Pain Scale (NIPS), looks at factors including facial expression, crying, altered breathing (is it quickened or shallow), arm movement (flailing), leg movement (twitching, kicking), and state of arousal (can they be awakened).

"Historically, we haven't known how to assess pain in our tiniest patients," Dr. Stringer said. "With this tool, we are collecting data on how to better detect and manage the pain of infants because they can't tell us what hurts. By doing so, we expect to catch some potentially serious conditions earlier with better outcomes for babies and their families."

Parents, too, can look for these same signs in their children. "By careful observation of subtle changes in patient appearances, nurses are often the first care provider to assess that something isn't right with this baby," Dr. Stringer said. "By looking at these same factors, parents can become astute observers of their babies' symptoms in order to report them in a meaningful way to their family physician if they become concerned."

Minangkabau of Indonesia: Alternative Social System

For the last century, historians, anthropologists and other scholars have searched both human history and the continents to find a matriarchy—a society where the power was in the hands of women, not men. Most have concluded that a genuine matriarchy does not exist, perhaps may never have existed.

Anthropologist Dr. Peggy Reeves Sanday disagrees. After years of research among the Minangkabau people of West Sumatra, Indonesia, she has accepted that group's own self-labeling, as a "matriarchate," or matriarchy. The problem, she asserts, lies in Western cultural notions of what a matriarchy "should" look like—patriarchy's female-twin.

"Too many anthropologists have been looking for a society where women rule the affairs of everyday life, including government," she said. "That template—and a singular, Western perspective on power—doesn't fit very well when you're looking at non-Western cultures like the Minangkabau. In West Sumatra, males and females relate more like partners for the common good than like competitors ruled by egocentric self-interest. Social prestige accrues to those who promote good relations by following the dictates of custom and religion."

Dr. Sanday decided to propose a new definition of matriarchy after living for an extended period with the Minangkabau. The R. Jean Brownlee Endowed Term Professor of Anthropology at Penn, and Consulting Curator at the University of Pennsylvania Museum of Archaeology and Anthropology (UPM), she has spent most of the last 21 summers and some sabbaticals living in a Minangkabau village, conducting research supported in part by the Museum.

Today, four million Minangkabau, one of the largest ethnic groups in Indonesia, live in the highlands of the province of West Sumatra. Their society, Dr. Sanday discovered, is founded on the coexistence of matrilineal custom and a nature-based philosophy called *adat*.

The key to Minangkabau matriarchy, according to Dr. Sanday, is found in the ever-present *adat* idea expressed in the proverb "growth in nature must be a teacher." "One must nurture growth in humans, animals, and plants so that society will be strong," people told her.

The power of Minangkabau women extends to the economic and social realms. Women control land inheritance and husbands move into the households of their wives. Unlike many other societies in which anthropologists say women are exchanged between families at marriage, in this society men are exchanged. During the wedding ceremony the wife collects her husband from his household and, with her female relatives, brings him back to her household to live. In the event of a divorce the husband collects his clothes and leaves.

Yet, despite the special position women are accorded in the society, the Minangkabau matriarchy is not the equivalent of female rule.

"Neither male nor female rule is possible because of the Minangkabau belief that decision-making should be by consensus," Dr. Sanday said. "In answer to my persistent questions about 'who rules,' I was often told that I was asking the wrong question. Neither sex rules, it was explained to me, because males and females complement one another. As with everything else, the Minangkabau have a proverb to describe the partnership relationship between the sexes: 'Like the skin and nail of the fingertip.'"

Cognitive Therapy as Effective as Drugs

A new study indicates that cognitive therapy is at least as effective as medication for long-term treatment of severe depression, and it is less expensive. The findings, by researchers at Penn and Vanderbilt University, undercut opinions now held by many in the psychiatric profession.

Principal investigators, Dr. Robert J. DeRubeis of Penn and Dr. Steven D. Hollon of Vanderbilt and their colleagues presented the work at the annual conference of the American Psychiatric Association in Philadelphia.

"This will be a surprising, controversial finding for many psychiatric professionals," said Dr. DeRubeis, professor and chair of psychology at Penn. "Most believe quite strongly in the efficacy of medication, and psychiatric treatment guidelines call unequivocally for medication in cases of severe depression."

Compared to past research on severely depressed patients—those depressed nearly enough to require hospitalization—Dr. DeRubeis and Dr. Hollon's study was unusually comprehensive in its size, 240 patients in Philadelphia and Nashville, and in its duration, 16 months.

The study involved a four-month period of acute treatment followed by an additional year of treatment for those who showed improvement in the initial phase. Among those who continued into the second phase of the study, 75 percent of patients who underwent cognitive therapy avoided a relapse, compared to 60 percent of patients on medication and 19 percent of those receiving a placebo pill.

"Statistically, both cognitive therapy and medication were more effective than a placebo, and a brief course of cognitive therapy was better than a similarly brief course of medication in the yearlong continuation phase," Dr. DeRubeis said. "These results suggest that even after termination, a brief course of cognitive therapy may offer enduring protection comparable to that provided by ongoing medication."

Drs. DeRubeis, Hollon and colleagues also found that cognitive therapy enjoys a long-term cost benefit compared to drugs. During the 16 months, treatment with medication cost an average of \$2,590, compared with \$2,250 for cognitive therapy. This gap grew with time, since antidepressants must be administered continually to be effective.

Dr. DeRubeis and Dr. Hollon's colleagues in the study include Jay D. Amsterdam and John P. O'Reardon of the Department of Psychiatry in Penn's School of Medicine; Paula R. Young, formerly of Penn's Department of Psychiatry; and Richard C. Shelton, Ronald M. Solomon and Margaret L. Lovett of Vanderbilt's Department of Psychiatry. The study was funded by the National Institute of Mental Health and GlaxoSmithKline.

Next-Generation Training: Part Technology, Psychology

American troops may soon prepare for their assignments by pitting themselves against virtual "mobs" and "terrorists" developed by computer scientists at Penn.

The goal of the project, rooted in studies by social scientists, is computer-generated figures that mimic the complex behavior of real-life adversaries. Dr. Barry G. Silverman, professor of systems engineering and computer and information science at Penn, and lead researcher on the three-year effort, presented a behavioral framework for the training system at the annual Computer-Generated Forces and Behavioral Representation Conference in Orlando, Florida.

Dr. Silverman's crowd-modeling work will offer detail to the level of single provocateurs within a crowd, taking into account, for instance, young agitators' frequent desire to assert themselves, dominate conflicts and avenge wrongs. The simulation can model terrorist behavior based upon observations of extremists' sense of commitment, feelings of competence and need to right perceived injustices.

Dr. Silverman's work will permit troops to face a host of virtual opponents before deploying. Recruits could find themselves facing mobs of women and children throwing rocks, rogue armies of disaffected teens tormenting ethnic minorities or protesters cowed into submission by nothing more than planes whizzing overhead. With news crews infiltrating zones of conflict around the world, peacekeepers-in-training may even have to make decisions as photographers record their behavior.

The simulation will steer trainees away from behaviors that research has shown to contribute to crowd aggression, such as the flaunting of weapons, authoritarian governance, the use of barricades and the exaggeration of differences between groups.

Dr. Silverman's work is supported by a three-year, \$1.4 million grant from the Pentagon's Defense Modeling and Simulation Office. At Penn, his group includes Michael Johns of the Human Modeling and Simulation Lab, Kevin O'Brien and Jason Cornwell of the Ackoff Center for Advancement of Systems Approaches and Ransom Weaver of the Department of Asian and Middle Eastern Studies.