

### The Gate of Heaven

*The time is WWII, the place is Dachau, and the two whose lives change forever are a Japanese-American soldier and a Jewish survivor. Lane Nishikawa is Kiyoshi "Sam" Yamamoto and Victor Talmadge is Leon Ehrlich in the production opening October 10.*

Photo by Ken Howard



## The Annenberg Center: Looking Forward to the Season of 1996-97

*Even as The Annenberg Center paused to take a few bows this spring for its first twenty-five years of accomplishment, the Season of 1996-97 was waiting in the wings. In theatre, music and dance, these are the highlights ahead:*

### Annenberg Center Theatre Series

Much Ado About Nothing, November 13-15  
Having Our Say, December 10-15  
Spalding Gray, March 5-6  
Stuffed Puppet Theatre, April 16-19

### Philadelphia Theatre for New Plays

The Gate of Heaven, October 10-20  
Bare-Knuckle, January 23-February 8  
Headin' South, May 1-18  
The Secret Window, May 21-25

### Dance Celebration

Trinity Irish Dance Co., October 24-26  
Mark Morris Dance Group, October 28-29  
Sankai Juku, November 18-19  
Tharp!, January 7-12  
Doug Elkins Dance Co., February 6-8  
Merce Cunningham Dance Co., February 10  
Paul Taylor Dance Co., April 10-12  
Momix, May 8-10

### Music at Annenberg

The Relâche Ensemble, September 27-28/January 10-11/February 28-March 1  
The Coltrane Project, May 1-4  
Beppie Blankert/Relâche, May 30-31

**Theatre for Children**, November 6-7/February 20-22

**Young Adult Theatre**, April 3-4

**Philadelphia International Theatre Festival for Children**, May 21-25

*For series rates and other information, please call the box office at 898-6791. For school and group sales, call 898-6683.*



### Irish Dance

*High style springs from Celtic roots as the Trinity Irish Dance Company opens Dance Celebration '97 October 24 in Zellerbach Theatre.*

### CAMPUS SAFETY

Eight new steps are announced on page 3

# Almanac

Tuesday,  
October 1, 1996  
Volume 43 Number 6

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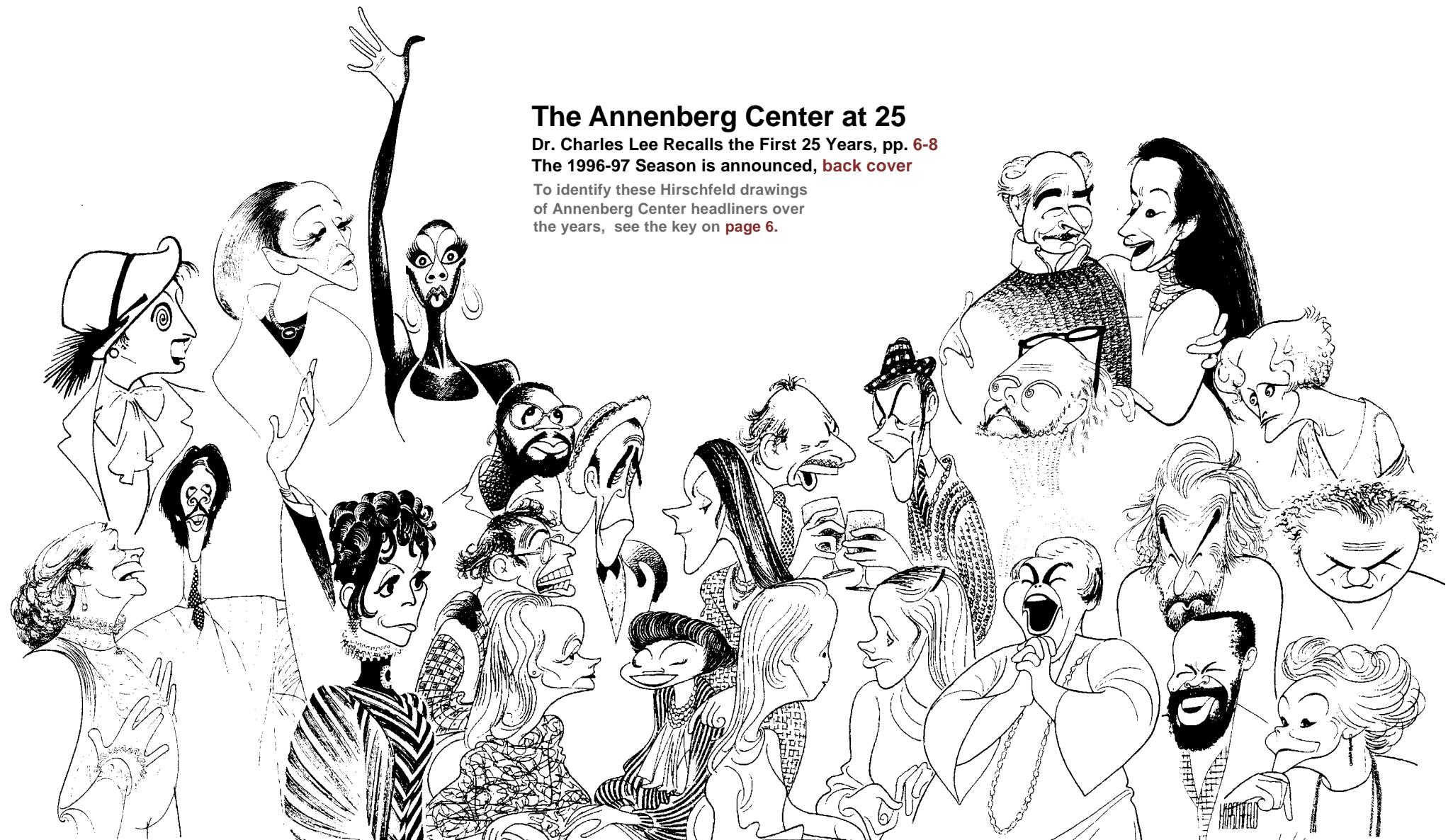
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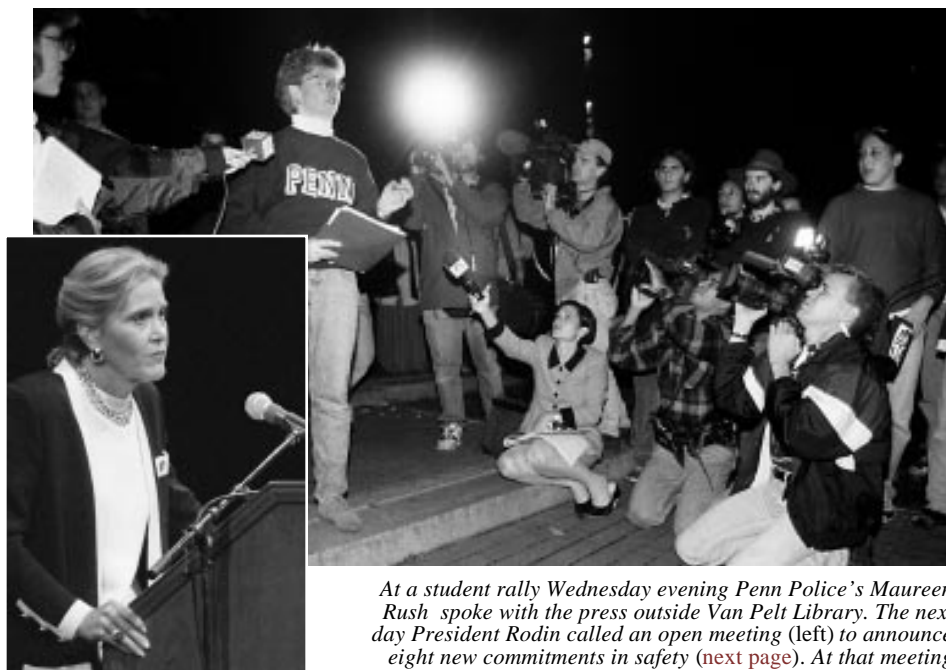
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'The Gate of Heaven' and  
Other Highlights of the New Season

## The Annenberg Center at 25

**Dr. Charles Lee Recalls the First 25 Years, pp. 6-8**  
**The 1996-97 Season is announced, back cover**

*To identify these Hirschfeld drawings of Annenberg Center headliners over the years, see the key on page 6.*





At a student rally Wednesday evening Penn Police's Maureen Rush spoke with the press outside Van Pelt Library. The next day President Rodin called an open meeting (left) to announce eight new commitments in safety (next page). At that meeting she made a ninth commitment, to evaluate Escort Service anew.

Daily Pennsylvanian photos by Hooman Anvar

## A Senior is Wounded, and Safety is Topic Number 1

In September, despite arrests and incarcerations that would normally contain crime at least for a time, robberies and burglaries continued on and near the campus throughout the month.

Then around 3 a.m. Wednesday, September 25, College senior Patrick Leroy was shot and wounded in an attempted robbery while walking with two friends near 40th and Locust.

Penn Police responded, followed shortly by Philadelphia Police, and Mr. Leroy was taken to HUP where his condition was listed Thursday as stable and by the weekend was recorded as good.

Within an hour of the shooting, Philadelphia Police had arrested a 20-year-old Delaware man who was charged with armed robbery and related offenses.

But the shooting, coming on top of other robberies with firearms, reverberated through the week.

In public meetings and private counseling and advising sessions, Penn administrators, staff and police professionals dealt with the ramifications of a crime pattern "unprecedented"—in the words of Public Safety's Managing Director Tom Seamon—not for its numbers alone, but because even after seven arrests that apparently cleared 18 of the month's 26 incidents, a 27th still occurred—and nearly took a life.

Often, Mr. Seamon said, a rash of robberies indicates a serial offender or offenders. Thus when a suspect is arrested, police reopen earlier unsolved incidents and try to find out, through physical evidence or eyewitness identification, whether the same suspect can be charged with more than one count. This can lead to longer sentences, keeping repeat offenders off the streets longer and potentially acting as a deterrent.

This fall's increased arrest rate in campus crime is attributed partly to the fact that after the first street incidents and fraternity/sorority house burglaries, Penn and Philadelphia police had stepped up patrols and had deployed more investigators—including plainclothes decoys who were responsible for some arrests that took alleged multiple offenders off the streets.

But students had also stepped up their pre-

cautions—particularly heeding the advice to walk in pairs or groups, as Patrick Leroy had done with two other fraternity men. "He was not alone, but he still wasn't safe," several speakers pointed out in three gatherings where safety was discussed last week. Mr. Seamon, with the VPUL, continue to advise traveling together (see letter, next page) but as part of a mixture of behaviors and techniques. "There is no single answer in safety," Mr. Seamon said Thursday night.

### Recurring Issues

Wednesday afternoon at Council, observers' questions were taken for some 45 minutes after the President described the attack on Mr. Leroy in her opening message—and pledged that Penn would beef up its forces and technology, and go after both criminals and any area establishments that illegally encourage a criminal presence. That night at the Peace Symbol outside Van Pelt Library, angry students held a rally, and the next morning President Rodin called an open meeting for 8 p.m. in Zellerbach Theater.

Some issues common to these three sessions are addressed in the eight new steps Dr. Rodin announced. In Q & A, however, questions and proposals showed varied levels of awareness of safety measures already in place.

**Bluelight Phones:** To a speaker who scorned bluelight phones, claiming police must expect one to dial while being mugged, Dr. Rodin explained the real and preventive uses, e.g., to report being followed, to report suspicious behavior, to report someone else's plight.

**Walking Escorts:** When speakers equated the use of PennWalk (the University-operated walking escort) with being accompanied by friends—which in the case of Patrick Leroy did not deter—Director of Police Operations Maureen Rush said Escorts' radios and insignia make a difference, both enabling them to summon help and setting up a deterrent effect by linking them visibly to police authority.

At Council, President Rodin had also underscored her confidence in PennWatch, the student volunteer group, saying that although stu-

dents (via the Student Activities Committee) had declined to renew its support, the University would now fund it.

**Escort Vans:** One of the most-questioned services was the Escort van system—where vans do and don't go, where they should stop, how long the wait between vans at transit stops and how long the wait when one is booked by phone. Ms. Rush clarified some apparent anomalies such as no-service at campus core—noting that the idea was to use walking escort to move within the core and to get to the transit stops. But Dr. Rodin said, as questions continued, that it was obvious the University would need to take a new look at the entire system.

**The City:** Philadelphia Police Deputy Commissioner Rich Zapille stunned some members of the audience by saying that because of the Penn Police, West Philadelphia is actually safer than anywhere else; but he expressed commitment to the new goals that call for more city police help. Dr. Rodin urged letters to the Mayor Edward Rendell to keep safety on the agenda, and Friday Ms. Rush added a call for letters to City Council after news reports that some Council members propose cutting \$6 million from the District Attorney's budget—potentially affecting Penn's plan for vigorous prosecution to help increase safety.

**Community:** Some speakers assumed Penn has no relationship to its neighborhood (Vice President Carol Scheman offered to brief the speaker) while others described existing activities and urged audience members to join in. Later Glenn Bryan, director of community relations, offered to provide information to callers; there are also lists at <http://partners.upenn.edu/WP>. Earlier, Tom Seamon said Penn is helping seek for West Philadelphia a Special Services District similar to Center City's.

**Follow-up:** In a press briefing Friday the month's new total was given at 28, with a robbery reported at Urban Outfitters Thursday night. But another arrest was also detailed, potentially linking an offender both to a street robbery and to burglary in the Greek houses.

During the briefing Ms. Rush outlined some of the resources available to victims and those around them who may have post-traumatic stress—among them Penn Police's Special Services (formerly Victim Support), the Penn Women's Center, and the VPUL's Counseling and Psychological Services, where Dr. Ilene Rosenstein issued the invitation below.

### Group Support After Trauma

*Counseling and Psychological Services is offering support groups for students who have experienced trauma through acts of violence, such as armed robberies or muggings.*

*The group might be helpful for you or someone you know who, in response to a trauma, feels scared, helpless, or hyper-vigilant; who experiences distressing thoughts, difficulties sleeping, or problems concentrating; or who tries to avoid any feelings, people or activities that might be associated with the trauma.*

*The group offers a safe, confidential, and supportive place to learn ways to cope and to be understood. Please call 898-7021 to learn more about the groups and other free services that can help you.*

*—Ilene C. Rosenstein, University Counseling and Psychological Services*



## Eight New Steps in Campus Safety

I would like to spend the majority of our time together tonight talking with you—discussing campus safety and security. It is a very, very important subject to me, as it is to you; to all of us who live and work in this community. I very much want to hear from you. I do, though, have some comments as preface [to the Q & A].

First, I should report to you that Patrick Leroy is doing well, considering all he has been through. I visited him yesterday. Valarie Swain Cade-McCoullum was with him a few hours ago, and she reports that he is looking and feeling much better. His doctors expect him to make a good recovery. That is very, very good news.

Second, and I want to be clear about this with you, what happened to Patrick Leroy is an outrage. We can never, ever accept senseless acts of violence. We can never, ever explain them as a “fact of life” here, and we will not. You feel outrage. I do, too.

Are we committed to making this a safe place to live and work? Absolutely. We spend \$15 million dollars a year on safety and security here. We support one of the largest private police forces in the Commonwealth of Pennsylvania. We provide one of the most extensive networks of escort services of any university in the country. Those are facts, and you should know them.

Can we do more? We have to.

Can the city of Philadelphia to do more? It must.

We will do more, beginning here tonight, to supplement what we already do—and what we have committed to do in the long term:

1. We will expand our existing police force with the addition of 10 new officers. We also are assigning a new tactical team of five experienced officers to the 7 p.m. to 3 a.m.

shift to target violent crime in areas surrounding the campus. We will not be specific as to where these officers will function—that would simply “tip off” those who wish to violate our safety and security—but this team will operate on the city streets adjacent to the campus.

2. We will expand the network of “blue-light” phones, establishing 66 new locations, including at least 30 locations in areas adjacent to the campus that have been the targets of violent crime. This new commitment will not in any way detract from what we have previously announced as a commitment to upgrade existing campus and off-campus “blue-light” phones with state-of-the-art technology. The renovation and expansion of this system will begin no later than Nov. 1.

3. We have gained a commitment from the Philadelphia Police Department to provide three additional foot patrol officers on the streets surrounding the campus in the evening hours, an additional patrol car in the area 24-hours-per-day, and two additional patrol cars in the surrounding community between midnight and 4 a.m. This is, I might add, a welcome response.

4. We are placing 10 security guards on the city streets adjacent to campus in the evening hours to supplement our police officers and those provided by the city of Philadelphia. Specifically, these officers will patrol the area west of 40th Street between Chestnut and Baltimore.

5. We have gained a commitment from SEPTA to provide both a mobile unit and six officers to patrol in and around the subway system that services the campus. SEPTA also has agreed to be more aggressive as it moni-

tors the condition of its call box system.

6. We will aggressively “go after” businesses that are by their action—or inaction—breaking the law and attracting those intent on victimizing us.

7. We will support PennWatch, financially and otherwise—and you should, too.

8. We will aggressively pursue all “quality of life” issues in the surrounding community that impact on our safety and security—and that of our good neighbors. Specifically, that means we will redouble our efforts to address problems of the homeless, panhandling, trash, collection, graffiti and, perhaps most important, we will do everything possible to foster economic development of the immediate areas surrounding the campus.

These things, I think, will help. Meanwhile, we will accelerate our plans to install state-of-the-art electronic security systems in our buildings and residences. We will encourage and support Mr. Seamon and his officers as they, and we, implement the strategic plan for the Division of Public Safety. And we will use every available university resource to identify, arrest, and prosecute those intent on victimizing us. We want to deliver the strongest possible message to the criminal element—stay away from the University of Pennsylvania. The strength of our new investigative presence—eight experienced investigators whose task is to arrest violent offenders and get them off the streets—is already being felt; 17 of 28 reported cases have been “cleared” to date—and that by any law enforcement standard is an exceptional record.

We are grateful to the Philadelphia Police Department for the special assistance it is prepared to offer us, but we expect more. This university is a vital economic and intellectual force in Philadelphia, and we have every right—you have every right—to expect its protection on city streets.

Many of you have expressed to me and to others that you want to help. That gives me great encouragement. Together, there are 40,000 pairs of “eyes and ears” in our community. If you see something or someone suspicious, report it. Watch out for each other; we are all in this together.

I encourage you, too, to contact Mayor Rendell. He and others in city government should know, indeed they must know, how you feel—and what you expect of our elected representatives. This is particularly important in terms of requesting additional street lights—these are city streets—and the timely repair of existing lighting.

When I was here at Penn 25 years ago, the University imposed great restrictions on its students—particularly its female students. You could not come and go as you pleased; there were curfews. We signed in—and we signed out. The University functioned as a parent. It wanted to know where you were and with whom. It dictated your comings and goings. Well, I don’t have to tell you that times have changed—and much of what the University accepted as a surrogate parent then, is in your hands now.

Even though times have changed, my sense of responsibility for you has not. I take it very seriously. I urge you to take advantage of the many services we provide for you here—escort services, counseling services, and other student services—and be smart.

—Judith Rodin at the open meeting with students Thursday, September 26, in Zellerbach Theatre

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### Dear Penn Students:

*Random acts of violence have increased in our country and in our community. These acts have a terrible impact not only on victims and their loved ones, but on all members of the Penn family. We already have in place institutional resources to provide prevention and educational outreach including specific advice on responsible safety and security measures each of us can take. Even though campus police have increased patrols on and around campus, we urge you to continue your vigilance in using these resources and in closely following these guidelines.*

*Please take extra precautions while traveling. Use the safety services that Penn has made available, particularly the campus bus and escort services. Avoid walking alone after dark, and use BlueLight phones to report any situation when you feel threatened.*

*In the coming days, you will hear of additional services and supports regarding safety at Penn. The Penn Police welcome all calls for safety and security information and assistance—both for yourself and for your group or organization. The number you can call, for Penn Safety and Security Special Services, is (215) 898-8848.*

*We urge you to exercise good judgment in your travels and to avoid circumstances that increase your risks including the following:*

- Don’t walk alone after dark.
- Avoid excessive alcohol consumption
- Use well lit travel routes

*Working together, we can help to keep our campus safe.*

*Sincerely,*

—Thomas Seamon, Managing Director of Public Safety, and Valarie Swain-Cade McCoullum, Vice Provost for University Life, by e-mail 9/26/96

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## SENATE From the Senate Office

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*The following agenda is published in accordance with the Faculty Senate Rules. Questions may be directed to Carolyn Burdon either by telephone at 898-6943 or by e-mail at burdon@pobox.upenn.edu.*

### Agenda of Senate Executive Committee Meeting

Wednesday, October 2, 1996, 3-5:30 p.m.

1. Informal discussion with President Rodin and Provost Chodorow, including safety and tenure
  2. University of Minnesota Board of Regents Tenure Code Revision
  3. Approval of the minutes of September 4, 1996
  4. Chair's Report
  5. Past Chair's Report on activities of the Academic Planning and Budget Committee and on the Capital Council
  6. Continued discussion on just cause revision
  7. Discussion on Senate Nominating Committee Nominees
  8. Other new business
  9. Adjournment by 5:30 p.m.
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### Death of Dr. Thelma Williams, Community Nursing for the Underserved

Dr. Thelma Williams, emeritus assistant professor of nursing, died September 8 at the age of 64. Dr. Williams, who joined the nursing faculty in 1966 as an instructor and became an assistant professor in 1972, was regarded by the School as a model of community health nursing who worked to promote health care for minorities and underserved populations.

Dr. Williams received her basic nursing education at Harlem Hospital in New York and went on to receive a bachelor's degree in nursing from St. John's University in Brooklyn, a master's of science degree in nursing from Penn, and a doctorate in Urban Education from Temple. She practiced community health nursing in a variety of settings including the New York Department of Health and the Community Nursing Service of Philadelphia.

At Penn Nursing Dr. Williams is remembered as an innovative teacher and expert clinician. A hallmark of her career was the establishment of a public health clinical experience for undergraduate nursing students in conjunction with the United States Public Health Services Indian Medical Center in Tuba City, Arizona. In 1995, Dr. Williams was recognized at the 1995 Black Health Care Conference by the School of Nursing for her community efforts in promoting health care for African American and Native Americans.

There are no known survivors.

## BULLETINS

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### Wanted: Cast-Off Computers for Schools

If you have upgraded your computer system and you have an outdated computer, printers or associated equipment which you are no longer using, please consider donating this equipment for use in the Philadelphia City High Schools. Ingrid Waldron runs a series of workshops for city high school biology teachers, and they have been very grateful for past donations which they have put to good use in their classrooms. Peter Conn is working on faculty and curriculum development at University City High School, and they also would be grateful for donated computers.

If you are interested in making a donation, please contact Ingrid Waldron (898-8396 or [iwaldron@sas](mailto:iwaldron@sas)) or Peter Conn (898-5726 or [pconn@english](mailto:pconn@english)) to make arrangements.

— Ingrid Waldron, Professor of Biology

— Peter Conn, Professor of English

### Kindergarten Open House at Powel

The Samuel Powel Elementary School, a Philadelphia public school at 36th and Powelton, will hold its annual Kindergarten Open House & Tea on Wednesday, October 2, from 10 until noon. Parents of prospective kindergartners for the class entering in the Fall of 1997 are most welcome.

Admitted children will be welcomed to an open house in the spring as well.

Applications to Powel for all grades are being accepted for the '97-'98 school year. For more information, call Mrs. Margaret Graves, Principal, at 823-8201.

Colleagues and neighbors can call me, a long-time Powel parent with two graduates and one current second-grader, to learn more about Powel; I'm at 729-3663 evenings.

— Jo-Ann Verrier, Assistant Dean for Career Planning & Placement, Law School

### Faculty/Staff Appreciation Day: Not a \$2 Charge

In last week's notice on the fourth annual Faculty/Staff Appreciation Day to be held October 19, a \$2 fee was indicated. Not so, the Human Resources Office now clarifies. Faculty/Staff Appreciation Day is open to all members of the University without charge, including the Penn-Lehigh game. Family and friends also have the picnic lunch and other events free, but there is a charge of \$2 for *their* tickets to the game. They have to be ordered (before October 11, if by campus mail) from Weightman Hall Ticket Office.

## Council:

### Electronic Privacy Motions Pass

On Wednesday the University Council adopted unanimously, as three separate motions, the resolutions offered by the Committee on Communications toward the adoption of policies on electronic privacy. The three motions, presented by Dr. Martin Pring, the incoming Communications Chair, with last year's co-chair Ira Winston, advise the President to:

— adopt the Policy on Privacy of Electronic Information (published as a draft in *Almanac* March 19).

— move toward adoption of the Policy on Student Privacy in University Residences (published as a revised proposal in *Almanac* September 24).

— maintain the electronic policies as discrete in relation to other communications policies.

To allow time for questions on safety issues (see pp. 2-3), Council accepted but did not discuss the Bookstore Committee report. Acceptance was with a proviso from the incoming chair, Dr. Stuart Erwin, that the Report is subject to correction in a passage which indicated that the University Press did not give discounts to the Bookstore.

## A-3 ASSEMBLY

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### Nominations October 2, Election October 9

It is again time for the Executive Board of the A-3 Assembly to hold nominations and elections to the Board and various Committees of the A-3 Assembly. There are 8 vacancies existing on the Executive Board of the A-3 Assembly. The nominations meeting is on October 2 at the Lauder-Fischer Boardroom, and the election is on October 9 at Houston Hall, in the Smith-Penniman Room, both from noon to 2 p.m.

This constituency has gained the support and respect of the University community and it is each A-3's responsibility to insure that the past efforts of many do not become dormant. It is the role of the Executive Board to reflect the diversity and views of the University and this constituency. We seek a blend of diverse members to represent and communicate to others the relevant issues pertaining to members of the A-3 Assembly.

It is essential that we receive input in this important process from all A-3s on campus. Your input is important and we invite you to nominate individuals from your Schools, Centers and Departments who would best represent the wide range of concerns and issues relating to A-3 staff at Penn. A-3 staff members are an integral part of the University community and play a vital role in many committees of the University Council.

We ask that you complete a nomination by listing the name, position title, campus phone and e-mail address of your nominee, and forward this information to the A-3 Nominations and Elections Committee:

c/o Yvonne Mclean  
256 S. 37th St. 3rd Flr. L-F Hall/6330  
e-mail: [mcleany@wharton](mailto:mcleany@wharton)

or:

c/o Shawn Flack  
3533 Locust Walk/6226  
e-mail: [flack@ben.dev](mailto:flack@ben.dev)

— Karen E. Wheeler Chair, A-3 Assembly

# Research Foundation Guidelines, 1996

## Statement of Purpose

The Research Foundation encourages the exploration of new fields across a broad spectrum of disciplines. In doing so, the Foundation expands opportunities for faculty to attract support and resources from external sources while encouraging work in fields that are traditionally underfunded. *The Research Foundation is principally for faculty.*

The Foundation supports two levels of grants. The first level, Type A grants, provide support in the range of \$500 to \$5,000. The second level, Type B grants, provide support in the range of \$5,001 to \$50,000. The standard application for a Type A grant is briefer than that for a Type B grant, reflecting respective funding levels. However, the review criteria for Type A and Type B grants are similar, and several general factors are

considered in evaluating an application for either type of grant. They are:

- Its contribution to the development of the applicant's research potential and progress.
- The quality, importance and impact of the proposed research project.
- Its potential value for enhancing the stature of the University.
- Its budget appropriateness in terms of the project proposed, including consideration of need and availability of external support.

## The Application Process

The Research Foundation Board will review both Type A and Type B applications in the fall and spring of each academic year. Applications for the fall cycle are due on or before *November 1* of each year, while spring cycle applications are due on or before *March*

*15* of each year. All research projects involving human subjects or animals must receive Institutional Board approval prior to funding. Questions concerning human/animal research should be directed to Mrs. Ruth Clark at 898-2614. All research projects involving the use of hazardous or biohazardous materials must receive approval from the Office of Environmental Health and Safety (OEHS) prior to funding. Questions about this approval process should be directed to Ms. Harriet Izenberg at 898-4453. The use of radioactive materials must be reported to Dr. Mark Selikson in the Office of Radiation Safety at 898-7187.

*An original and ten copies of the proposal with the cover sheet\** should be submitted to the Office of the Vice Provost for Research, 212 College Hall/6381.

**Type A Proposals** are limited in length to ten single spaced pages and should contain a brief description of the research and the specific needs which the grant will cover. The proposal should include:

1. *The Research Foundation Proposal Cover Sheet. Failure to fully complete the Cover Sheet will risk disqualification from the competition.*
2. 100-word abstract of significance of the project for the educated non-specialist.
3. Amount of current research support (including start-up packages).
4. Other pending proposals for the same project.
5. List of research support received during the past three years. Include funds from University sources such as school, department, or Research Foundation. If you were funded by the Research Foundation in the last three years, please submit a brief progress report with publications and grants proposed or received (no more than one page).
6. A one-page biographical sketch of the investigator(s) listing educational background, academic positions held, and five recent publications.
7. A back-up of the 100-word abstract in the form of a three or four page mini-proposal.
8. A budget that justifies the specific items requested and assigns a priority to each item.

Research Foundation support for Type A proposals will focus on:

- Seed money for the initiation of new research.
- Limited equipment requests directly related to research needs.
- Travel expenses for research only.
- Publication preparation costs.
- Summer Stipends, with preference for applications from Assistant Professors.

**Type B Proposals** are limited in length to fifteen single spaced pages. The following format is suggested for Type B proposals:

1. *The Research Foundation Proposal Cover Sheet. Failure to fully complete the Cover Sheet will risk disqualification from the competition.*
2. 100-word abstract of significance of the project for the educated non-specialist.
3. Amount of current research support (including start-up packages).
4. Other pending proposals for the same project.
5. List of research support, including titles, amounts, and grant periods, received during the past three years. Include funds from University sources such as school, department, or Research Foundation.
6. A brief curriculum vitae including publications for the principal investigator.
7. Statement of the objectives and scholarly or scientific significance of the proposed work (two to three pages).
8. Description of the research plan and methodologies to be employed (three to four pages).
9. Description of the significance and impact of the project.
10. Description of how a Research Foundation grant will facilitate acquisition of future research funds.
11. Budget (one page). Budget items should be listed in order of priority.

Research Foundation support for Type B proposals focus on several areas of need. These are:

- Matching funds, vis-a-vis external grant sources.
- Seed money for exploratory research programs.
- Support for interdisciplinary research initiatives.
- Faculty released time.

*Requests for student tuition and dissertation fees will not be considered by the Foundation.*

## Cover Sheet\*

### Research Foundation Proposal

Principal Investigator: \_\_\_\_\_

Phone: \_\_\_\_\_ E-mail \_\_\_\_\_

Department: \_\_\_\_\_

School: \_\_\_\_\_

Campus address: \_\_\_\_\_

Mail code: \_\_\_\_\_

Business Administrator (name, phone #, and e-mail) \_\_\_\_\_

Title of proposal: \_\_\_\_\_

Amount requested: \_\_\_\_\_

*Does the project involve the use of any of the following:*

Human subjects or animals? \_\_\_\_\_

Radioactive material/radiation-producing equipment? \_\_\_\_\_

Investigational new drugs or new devices? \_\_\_\_\_

Potentially infectious agents, including human blood or tissue? \_\_\_\_\_  
carcinogens? \_\_\_\_\_

*In vitro* formation of  
Recombinant DNA? \_\_\_\_\_

*Please indicate below which Committee you would prefer to review your proposal:*

\_\_\_\_\_ Biomedical

\_\_\_\_\_ Humanities

\_\_\_\_\_ Social Science & Management

\_\_\_\_\_ Natural Science & Engineering

*Signatures:*

Dean: \_\_\_\_\_

Department Chair: \_\_\_\_\_

Principal Investigator: \_\_\_\_\_

\* This "cover sheet" is for information only. For a usable form on the PennWeb: <http://www.upenn.edu:80/NPR/RF.html>. Recipients of Research Foundation Awards in the Spring Cycle 1996 are on pages 8-9 of this issue.— Ed.

# The Annenberg Center at 25

A Reminiscence by Charles Lee

The 1960s, often recalled as a period of turbulence and turmoil, was also a decade of cultural renaissance in which the performing arts flourished throughout the nation.

Recognizing the important role of the University in strengthening and enhancing the arts and in fostering an appreciation of, and support for, a broad range of artistic expressions, several committees of the University of Pennsylvania decided to plan and to build a campus center dedicated to the performing arts.

In 1965 the University asked Dr. George Gerbner, dean of the Annenberg School for Communication, to assume the additional responsibility of guiding this new University project and to head its administration.

Such a center for the arts had long been sought by the University community. Its realization was made possible by a generous gift from Ambassador and Mrs. Walter H. Annenberg, with additional major support from the Harold L. Zellerbach family and renowned Broadway producer/director Harold Prince, a Penn alumnus.

Dean Gerbner articulated the vision for the Annenberg Center as a place where the "specialized resources of the University should be used to express and advance its particular role in society, to serve its special clientele and to complement Philadelphia's rich and varied cultural offerings. The Annenberg Center is an investment in such an expression of the idea of a University."

The Center—two years in planning and twice as long in building—was dedicated on Thursday, April 8, 1971.

At the dedication ceremonies, Nancy Hanks, chairman of the National Endowment for the Arts, echoed the University's hope for the Center: "Through theatre, music, dance and the

electronic arts and with the resources of a great University, this Center will contribute—and lead to—something we are all interested in: the enrichment in all senses of life in America."

President Richard M. Nixon, in a dedicatory letter, expressed both the vision for the center and the gratitude of its advocates to Ambassador Annenberg whose generosity gave substance to the dream:

"The dedication of the Annenberg Center... is a proud milestone in the history of the University of Pennsylvania and an event of great national significance... I know that this exciting new Center will be a lasting tribute to the vision of its distinguished benefactor and a major instrument in the progress of American arts and culture for many years to come."

The Center means different things to different people. In addition to the three theatres: the Zellerbach, named after Penn alumnus and benefactor, Harold L. Zellerbach; the Harold Prince, named for the University's distinguished theatrical alumnus; and the Studio—still in search of a benefactor, it houses production and administrative offices, rehearsal rooms, dressing rooms and workshops. Penn's music department performance activities; the Theatre Arts office, rehearsal and performance activities, and many student extracurricular performance activities.

Richard Kirschner, the first managing director, said he saw the major challenge of the job was coping with the "hundreds of groups" who wish to participate in the Center, as well as the "innumerable vested interests involved." He felt if he could make order out of this and survive, we would be the people's hero.

Well, much order has been made out of that since the opening day and tonight we want to quickly give you an overview of what 25 years has produced. Time does not permit us to include everything so we have gleaned what we feel are significant productions, events, milestones and will present them in categories rather than chronologically, beginning with Theatre.

## Let's go down memory lane...

*St. Joan of the Stockyards* opened April 27, garnering enthusiastic reviews from the Brecht scholars, and dazed expressions from many of us who were in the audience.

The following fall the Prince Theatre opened with *Hough In Blazes* starring Judd Hirsch in his pre-Tony Award days.

*All My Sons* was the offering of the Theatre Lab, directed by Ilona Gerbner.

The Center mounted productions of Julie Bovasso's *Gloria and Esperanza...* Sean O'Casey's *The Plough and the Stars*

Hal Prince, directing for the New Phoenix Repertory Company brought productions of O'Neill's *Great God Brown* and Durrenmatt's *The Visit*.

Joseph Papp's New York Shakespeare Festival at Lincoln Center brought Charles Durning and Julie Harris in *The Au Pair Man*, Liv Ullmann and Sam Waterston in *A Doll's House* Miguel Pinero's *Short Eyes...* and Ron Milners's *What the Wine-Sellers Buy*.

It was during this production that the Center, in an effort to fulfill its responsibility to the community, and particularly the West Philadelphia community in which it is located established its Community Outreach Programs under the direction of Marcella Beresin.

A volunteer student organization, InterAct, whose founding members included Wendy Neuss, now a producer of *Star Trek*, and David Zippel, Tony Award winner for the lyrics to *City Of Angels*, was formed to serve and integrate the Center's professional and student performing arts activities.

Zoe Caldwell makes her first appearance at the Center in Strinberg's *The Dane of Death* with Robert Shaw and Hector Elizondo.

The Shaw Festival of Canada debuts with *Charley's Aunt*, starring Paxton Whitehead.

1975-76 Richard Kirschner resigns... Stephen Goff, the assistant managing director is appointed managing director. Goff, with the assistance of two Penn alumni and theatre enthusiasts, Howard Burnett and George Robinette are successful in obtaining support from the Western Saving Bank for the Bicentennial Theatre Series which included: Jose Ferrer and Clifton Davis in Tom Cole's *Medal of Honor Rag*, Odette's *Awake and Sing* from the McCarter Theatre starring Morris Carnovsky and Richard Gere

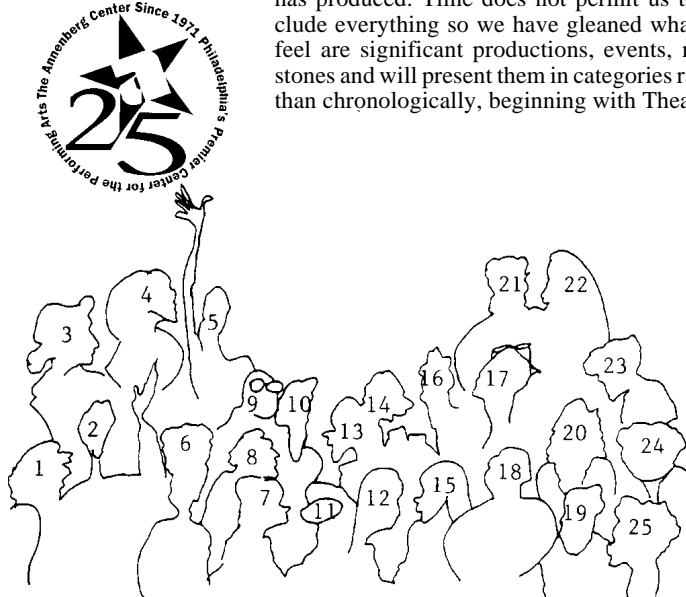
Tennessee Williams' *Sweet Bird of Youth* with Irene Worth and Christopher Walken... Ms. Worth won a Tony for her performance when it moved to Broadway.

*A Streetcar Named Desire* with Glenn Close, Shirley Knight, Kenneth Welsh and George Dzundza.

Anthony Quayle starred in *Rip Van Winkle*, directed by Joshua Logan... and the Abbey Theatre Players presented *The Plough and the Stars*

Key to the Hirschfeld illustration (front cover):

1. Colleen Dewhurst
2. Morgan Freeman
3. Celeste Holm
4. Martha Graham
5. Judith Jamison
6. Claire Bloom
7. Jessica Tandy
8. Hume Cronyn
9. Paul Winfield
10. Jason Robards
11. Claudette Colbert
12. Julie Harris
13. Tammy Grimes
14. Jose Ferrer
15. Liv Ullmann
16. Rex Harrison
17. Hal Prince
18. Pat Carroll
19. Zakes Mokae
20. Athol Fugard
21. Robert Whitehead
22. Zoe Caldwell
23. Glenn Close
24. Charles Durning
25. Irene Worth





At right: The young Charles Durning played The Au Pair Man to a perennially youthful Julie Harris in a 1979 production of the New York Shakespeare Festival.



with Shiobahn McKenna and Cyril Cusack.

Tammy Grimes and daughter Amanda Plummer appeared in the McCarter production of *A Month in the Country*... Jason Robards in *A Touch of the Poet*... Celeste, Holm and G. Wood in *Hayfever*... The Acting Company in *Pericles*... and Marc Blitzstein's *The Cradle Will Rock*.

The Shaw Festival returns with *An Inspector Calls*, Mercedes McCambridge in *'Night Mother*... The Yale Repertory production of *Kiss of the SpiderWoman*... *The Wonderful Ice Cream Suit* from the Organic Theatre Company, Chicago... The Shaw Festival's *Night Must Fall*... Philip Bosco in the Roundabout Theatre's *A Man For All Seasons*...

The Annenberg Center introduces Philadelphia audiences to Athol Fugard's work... *Sizwi Bansi is Dead*... the pre-Broadway production of *Master Harold*... and the boys from the Yale Rep which went on to win the Drama Desk Award and the Outer Circle Critic's Award for best play and a Tony for its star, Zakes Mokae...

Fugard and Mokae in the 25th anniversary production, prior to Broadway of, *The Blood Knot* and *My Children, My Africa* from the People's Light and Theater Company...

The Center also introduced Philadelphia audiences to the work of August Wilson with the Yale Rep production of *Ma Rainey's Black Bottom*. The Broadway "deal" was made in the Center's conference room...

Hal Prince returns as director of Joanna Glass' *Play Memory*. The Broadway opening night party was a smash...

Who will forget Mickey O'Donoghue in the New Vic Theatre of London's production of *Canterbury Tales*... and *Hunchback of Notre Dame*... the American Repertory Theatre brought Julie Taymor's imaginative puppets in *The King Stag*...

"I was mugged at your theatre without anyone laying a hand on me"... "What I saw belongs

in the garbage can." "Rather harsh criticism for a performance that also evoked the following responses..." I want to thank you endlessly for having the artistic courage to present the Mabou Mines production, *Dead End Kids*... The last scene was absolutely necessary, even though it caused some people to walk out." Undoubtedly this was the most controversial production ever presented by the Center. But, hey, that's what theatre is all about!

David Mamet's *Oleanna* caused some stir... as did this fall's *Angels In America*.

International companies, in addition to the Shaw and Abbey previously mentioned, have had a strong presence over the years. Woza Albert and Asinamali from the Market Theatre, Johannesburg... *The Ik*, from Peter Brook's Center for Theatre Research, Paris... *Uncle Vanya* from the State Theatre of Lithuania... *The Tempest* of Argentines Compañia Rajatabla and *Shadow of a Gunman* and the *Plough and the Stars* from the O'Casey Theater Company of Northern Ireland.

Solo artists have added a special lustre to the Center's programming including Jessica Tandy in Beckett's *Not I*... Hume Cronyn in *Krapp's Last Tape*... Colleen Dewhurst in *My Gene*... Pat Carroll in *Gertrude Stein, Gertrude Stein, Gertrude Stein*... Zoe Caldwell in *Lillian*... Uta Hagen in *Charlotta*... Laurence Luckinbill in *LBJ* and *Clarence Darrow*... and Spalding Gray in *Gray's Anatomy*.



At left: In 1987, a millisecond in mid-air from Bob Fosse's *Percussion Four*, by the Hubbard Street Dance Chicago.

Photo by Eileen Glenn



Dance Celebration produced a tribute to Martha Graham in 1986 for the Center's 15th anniversary. Miss Graham is seen here in her 1940 *Letter to the World*.

The Center has collaborated with many companies in mounting productions including the Philadelphia Festival Theatre for New Plays... Bruce Graham's *Early One Evening at the Rainbow Bar and Grill*... Dennis McIntyre's *Established Price*... Christopher Davis' *A Peep Into the 20th Century*...

The Cherry Orchard in a new translation by founding artistic director, Carol Rocamora... Joyce Carol Oates *Here She Is* with People's Light and Theatre Company, Kabuki Othello... and American Century among others.

In 1983 the Center joined forces with Dance Affiliates, Randy Swartz, Artistic Director, and presents the major dance series in the City. Over the years such companies as Alwin Nikolais... Bella Lewitzky... Dance Theatre of Harlem... Eliot Feld... National Ballet of Caracas... Paul Taylor here in its popular "Company B" work done to the music of the Andrews Sisters... Momix... Lubovitch... American Indian Dance Theatre... and the Alvin Alley American Dance Theatre...

In 1989-90 an alliance was made between Philadelphia's music ensemble, Relâche, and the Center to present a contemporary music series.

Some of the extraordinary programs have been The Philip Glass Ensemble providing the score for the Jean Cocteau film, *La Belle et La Bête*... and Godfrey Reggio film, *Koyanisqatsi/Live*... the Kronos Quartet... and Diamanda Galas.

As stated at the beginning, the Center is also home to the Theatre Arts Major. *Richard II*, directed by Dr. Cary Mazer and Miss Julie... and the Music Department performance activities. The Symphony Orchestra, shown [in the April celebration] playing at the Church of the Savior,



In 1984, when The Annenberg School celebrated its 25th anniversary, the Center gave its Award of Merit to Actor James Stewart (at left with his wife Gloria) and to the Ambassadors Leonore and Walter H. Annenberg.

will give two concerts in the Zellerbach Theatre next season.

Among what the Center calls "Specials" have been the Flying Karamazov Brothers... Sandra Reaves, who we will enjoy hearing this evening, in *The Late Great Ladies of Blues and Jazz... O.T.*, the Dutch theatre/dance ensemble which along with Stuffed Puppet. are part of the U.S./Netherlands Exchange Program, The Academy of Vocal Arts and the Center joined forces to present *Hansel & Gretel...* and have done the same with the McCarter Theatre Company to present *The Christmas Carol*.

A very special holiday special was *The Lord of the Rings* from Theatre San Fil whose *The Hobbit* will be part of this year's International Theatre Festival for Children

A favorite of the Center's Theatre for Children has been the famous Potato People... In 1990 the Zoppe Circus Europa, animals and all, gave a dazzling performance. Giovanni Zoppe will thrill us tonight... and what child would not know Sharon, Lois, and Bram?

Student performing arts are an important part of the activity which takes place in the Center. Rehearsal rooms are full from 3 in the afternoon until midnight. Among the groups which perform in the Center's theatres are the Glee Club, under the able direction of Bruce Montgomery who was just honored Saturday night for his 40 years as conductor... Penn Players in *The Caucasian Chalk Circle...* and *On the Twentieth Century...* Penn Singers in *H.M.S. Pinafore...* African Rhythms... and Mask & Wig in *Hit or Mrs.*

Two special events occurred which don't fit into any neat category. The first was the College

Hall sit-in which began shortly after noon on March 2, 1978, which was triggered by the rumor of the proposed elimination of the University's ice hockey, gymnastics, and badminton teams, and the curtailment of professional theatre at the Annenberg Center. This "puck and play massacre," as it became known on campus, featured the rally outside College Hall with the *Arts and pucks deserve bucks* posters prominently displayed. The protest gained a partial victory. Although ice hockey was cut, the Center's programs were able to continue.

The second special event was the jewel in the crown of Philadelphia's Century IV celebration. The Center sponsored "A Philadelphia Tribute to Grace Kelly, Actress" culminating in a Gala Dinner and presentation of the Center's Award of Merit.

And now, I'd like to stand-in for Ambassador and Mrs. Annenberg currently in Palm Springs, and read his letter written for this celebration.

It is with pride that I join in the celebration of the 25th Anniversary of the Annenberg Center for Communication Arts & Sciences at the University of Pennsylvania. May I also salute you, Stephen Goff, for the manner in which you have directed the Center's activities. My wife -- Lee, and I are indeed proud of the services given the public, the faculty, and the students of the University of Pennsylvania.

Most sincerely,  
Walter H. Annenberg

This is Charles Lee with *Arts in Review*, covering 25 dramatic years at the Annenberg Center.



Steve Goff

**Coda:** The talk above was given by Dr. Charles Lee, with pictures, at the celebration of the Annenberg Center's 25th Anniversary on April 29, 1996. But the script is not complete. Before delivering his formal text Dr. Lee offered a bit of verse he called the briefest possible history of Philadelphia:

*After Penn,  
Ben.*

Then, nearing the sign-off that has made him a household name to generations of WFLN-FM listeners, Dr. Lee fell prey to further inspiration. Citing Center Director Stephen Goff's remarkable success in bringing the arts to life in West Philadelphia, he improvised:

*After Adam and Eve,  
Steve.*

The standing ovation for Steve Goff was a prolonged one. —K.C.G.



Dr. Lee (left) as seen by self-portraitist Bruce Montgomery

## Research Foundation

On page 5 of this issue are new guidelines for application to Penn's internally-funded Research Foundation. Below, the Vice Provost for Research, Dr. Ralph Amado, announces the recipients and projects funded in the Spring 1996 cycle.

Paul Axelsen, Pharmacology, Medicine; *Kinetics Controller for Rapid Scanning FTIR Spectroscopy*.

Leonard Bello, Pathobiology, Veterinary Medicine; *The Role of Upstream Elements in the Control of mRNA 3'-end Formation in Herpesvirus-Infected Cells*.

Susan Blum, Anthropology, SAS; *Deception and Truth in China*.

Nancy Bonini, Biology, SAS; *Molecular Genetics of Brain Degeneration: Brain Pathology of Genetic Models for Degenerative Disease*.

Dawn Bonnell, Material Science & Engineering, SEAS; *Variable Temperature Scanning Tunneling Microscopy for Studies of Atomic Structure and Bonding in Oxides*.

Amy Brooks-Kayal, Neurology & Pediatrics, Medicine; *Developmental Regulation of GABA<sub>A</sub> Receptor Expression*.

Thomas Childers, History, SAS; *War and Experience*.

Rachel Croson, Information Management, Wharton School; *Personality Characteristics and Supply Chain Management Decisions*.

William DeGrado, Biochemistry & Biophysics, Medicine; *Analytical Ultracentrifugation of Macromolecules*.

Jacques deLisle, Law School; *No Wei Out?: The Trials of China's Most Enduring Dissident and the Dilemmas of Law in the Era of Deng Xiaoping and Hong Kong, 1997: Legal Visions, Political Institutions and the Return to Chinese Rule* (with a co-author).

Guy Diamond, Psychiatry, Medicine; *Development of a Family-Based Treatment for Adolescents with Major Depression*.

Harold Dibble, Anthropology, SAS; *The Middle Paleolithic Industries of Pech del'Aze IV (France)*.  
Ron Donagi, Mathematics, SAS; *Research Proposal on the Interactions of Algebraic Geometry and Quantum Field Theory*.

Lisa Downing, Philosophy, SAS; *Empiricism and Newtonianism: Locke, Berkeley, and the Decline of Strict Mechanism*.

Peter Drain, Physiology, Medicine; *Molecular and Integrative Physiology of K<sub>ATP</sub> Channel Mutants and the Control of Glucose-Sensitive Insulin Release*.

William Ewald, Law School; *Research Grant for Completion of Two Books*.

Ann Farnsworth-Alvear, History, SAS; *Pacific Blackness: Nationhood and Locality in the Colombian Choco*.

Jay Farrell, Pathobiology, Veterinary Medicine; *The Role of Interferon-γ-Inducing Factor (IGIF) in the Development of T Helper Type 1 Responses and Immunity to Cutaneous Leishmaniasis in Mice*.

Alan Filreis, English, SAS; *The Literature and Culture of the Cold War, 1945-60*.

Robert Finkelstein, Neuroscience, Medicine; *Segment Polarity Genes in Drosophila Head Development*.

Robert Forster, Physiology, Medicine; *To Upgrade Computer Control of Mass Spectrometer for Stable Isotope Measurements*.

Mark Fortini, Genetics, Medicine; *Molecu-*



lar and Genetic Analysis of Alzheimer's Disease-Related Genes in *Drosophila*.

Mary Foster, Medicine, Medicine; *Environmental and Genetic Effects on Expression of Germ-line Nephritogenic Autoreactivity*.

Susan Freiwald, Legal Studies, Wharton School; *The Magnitude of Scale: Communications Technology and Legal Change*.

Yale Goldman, Physiology, Medicine; *Time-Resolved Fluorescence Polarization of Single Fluorescent Molecules Detected by Total Internal Reflection Fluorescence Microscopy*.

Raymond Gorte, Chemical Engineering, SEAS; and David White, Chemistry, SAS; *Solid-State NMR Spectrometer Console and Work Station*.

Jinyong Hahn, Economics, SAS; *The Role of the Propensity Score in the Efficient Semiparametric Estimation of the Average Treatment Effect*.

Bea Hollander, Psychiatry, Medicine; *Transcending Trauma: Exploring Psychological Mechanisms of Survival*.

Erika Holzbaur, Animal Biology, Veterinary Medicine; *Trans-genic Models for Motor Neuron Disease*.

Anne Hubbard, et al, Radiology, Medicine; *Magnetic Resonance Microscopy of Cardiac Development in Normal and Genetically Altered Mouse Embryos*.

G. John Ikenberry, Political Science, SAS; *Liberal Competence: The Performance of Democracy in Great Power Balancing*.

Francis Johnston, Anthropology, SAS; *Physical Growth and Mental Development of Guatemala City School Children*.

Cristle Collins Judd, Music, SAS; *Tonal Structures in Early Music*.

Roland Kallen, Biochemistry & Biophysics, Medicine; *Novel Approaches to the Determination of Membrane Protein Structure: Application to Voltage-Sensitive Sodium Channels*.

Igor Kopytoff, Anthropology, SAS; *Archival Anthropological Research at London Economics (Papers of Phyllis Kaberry)*.

Karen Kozarsky, Molecular and Cellular Engineering, Medicine; *In Vivo Characterization of the Scavenger Receptor SR-BI as a High Density Lipoprotein (HDL) Receptor*.

Abba Krieger, Statistics, Wharton School; *Detecting Out of Control Systems Under Linear Drift*.

Paul Liebman, Biochemistry & Biophysics, Medicine; *Action of General Anesthetics on G Protein Function and Structure*.

Michael Madaio, Medicine, Medicine; *Molecular Analysis of Goodpasture's Autoantibodies*.

Vicki Mahaffey, English, SAS; Research Foundation Grant for Publication Costs, *Shattered Images, Playful Desire: Wilde, Yeats, and Joyce, and Research Money for De-Siring Women: Female Acculturation and the Fairy Tale*.

Francis Mante, Restorative Dentistry, Dental Medicine; *Cell Attachment to Titanium Single Crystal*.

Marie-Louise Mares, Annenberg School for Communication; *Re-Examining Children's Comprehension of Television*.

Dimitri Metaxas, Computer & Information Science, SEAS; *Interactive Virtual Environment for Modeling Human Anatomy and Physiology*.

Margaret Mills, Folklore & Folklife, SAS; *South Asian Folklore: An Encyclopedia: Publication Preparation (Final Year)*.

Patricia Molloy, et al, Neurology, Medicine; *Pilot Study of Evaluation and Treatment of Tumor-Related Obesity in Pediatric Patients with Hypothalamic/Chiasmatic Gliomas*.

Katherine Molnar-Kimber, Surgery, Medicine; *Destruction of Non-CNS Tumors by Herpes Simplex Type 1 Mutants*.

James Muhly, Asian & Middle Eastern Studies, SAS; *The Lead-Isotope Analysis of Some Bronze Artifacts from the Late Bronze Age Southern Levant (Israel and Jordan)*.

John Murray, Cell & Developmental Biology, Medicine; *Understanding the Design of Molecular Motors*.

John Murray, Cell & Developmental Biology, Medicine; *Laser Scanning Confocal Microscope and Associated Imaging Equipment*.

Vivianne Nachmias, Cell & Developmental Biology, Medicine; *5kDa Actin-Binding Peptides (Beta Thymosins): Structure and Binding Sites*.

Margit Nass, Radiation Oncology, Medicine; *Developing Novel DNA-Protein Targeting Models Applicable to Gene Therapy of Human Mitochondrial Diseases*.

Philip Nichols, Legal Studies, Wharton School; *Analysis of Contract Law in Emerging Economies with Reference to Formal and Informal Institutions*.

Harvey Nisenbaum, et al, Radiology, Medicine; *The Cost Analysis of Magnetic Resonance Imaging Procedures Using an Activity-Based Cost Accounting System*.

Eric Orts, Legal Studies, Wharton School; *Shirking and Sharking: Agency Costs and Agency Law in the Theory of the Firm Revisited*.

Burt Alan Ovrut, Physics, SAS; *Penn-Russian Theoretical Physics Collaboration*.

Maurizio Pacifici, Anatomy & Histology, Dental Medicine; *Indian Hedgehog and Limb Skeletal Development*.

Vicki Petropoulos, Restorative Dentistry, Dental Medicine; *Comparative Study of the Wear of Implant Overdenture Attachments*.

Stephen Paul Phipps, Geology, SAS; *A Possible On-Land Ser-pentinite Mud Volcano, Southwestern Oregon Coast Ranges*.

Stephen Paul Phipps, et al, Geology, SAS; *X-Ray Diffractometer Studies of Clay Minerals: Applications in Biogeochemistry, Paleoclimatology, and Tectonics*.

Holly Pittman, History of Art, SAS; *Final Publication of the Glyptic Art from Tal-i Malyan, Ancient Anshan Capital of Elamite Iran: 3200-1500 B.C.*

Scott Poethig, Biology, SAS; *Reverse Genetics in Arabidopsis Thaliana*.

Eric Posner, Law School; *The Political Economy of Personal Bankruptcy*.

Gregory Posschl, Anthropology, SAS; *Excavations at Lakhueenjo-daro, a Settlement of the Indus Civilization*.

Robert Preucel, Anthropology, SAS; *The Korymbi Archaeological Research Project*.

Glenn Radice, Obstetrics & Gynecology, Medicine; *Regulation of Cell Adhesion and Edwards Syndrome (Trisomy 18)*.

Michele Richman, Romance Languages, SAS; *Durkheim Among the Disciplines: Rejection and Renewal in the Inter War Period*.

David Roof, Physiology, Medicine; *Mutational*

*Analysis of Kinesin KIP1 Function in Mitotic Spindle Assembly and Checkpoint Surveillance*.

Jean Sanger and Joseph Sanger, Cell & Developmental Biology, Medicine; *Purchase of Inverted Microscope to Study Live Cells*.

Norbert Scherer, Chemistry, SAS; *Laser-Detected Polarizability Scanning Probe Microscopy*.

Edward Scott, Molecular & Cellular Engineering, Medicine; *Functional Analysis of Proto-Oncogene PU.1 During Lymphoid and Myeloid Development*.

Eero Simoncelli, Computer & Information Science, SEAS; *An Optical Range-Measurement Camera*.

John David Skrentny, Sociology, SAS; *The Rights Revolution*.

Wesley Smith, Classical Studies, SAS; *A Contribution to Study of Jewish Medical Theory and Practice in the 2nd Century AD*.

W. John Smith, Biology, SAS; *Structure and Function of the Carolina Wren (Thryothorus ludovicianus) Song System*.

Matthew Sommer, History, SAS; *Sex, Law, and Society in Late Imperial China*.

Wenchao Song, Pharmacology, Medicine; *The Biology and Regulation of Estrogen Sulfotransferase*.

Martin St. John Sutton, Medicine, Medicine; *Impact of Load Alteration on Regional Myocardial Function and Remodeling in Chronic Aortic Regurgitation*.

Nancy Shatzman Steinhardt, Asian and Middle Eastern Studies, SAS; *Liao Architecture Maps and Photographs*.

David Stern, Asian & Middle Eastern Studies, SAS; *Three Jewish Books and Their Histories*.

Eileen Sullivan-Marx, Nursing; Nurse Practitioner Survey of Relative Work Values for Evaluation and Management.

Gabriel Szulanski, Management, Wharton School; *Appropriate Capability: Scope in the Replication of Organizational Routines*.

Jacqueline Tanaka, Pathology, Dental Medicine; *Does Ibogaine Inhibit Drug-Craving by Altering Gene Expression in Selective Neurons?*

Jane Vanderkooi, Biochemistry & Biophysics, Medicine; *Protein Dynamics Studied by Phosphorescence*.

Gregory VanDuyne, Biochemistry & Biophysics, Medicine; *Non-Radioactive Study of Protein: DNA Interactions Using Fluorescence Imaging*.

Cynthia Ward, Clinical Studies, Veterinary Medicine; *Regulation of Egg-Induced Sperm Activation by Monomeric G Proteins*.

Tandy Warnow, Computer & Information Science, SEAS; *Phylogeny Construction Algorithms: Implementation and Performance Analysis*.

Mariusz Wasik, Pathology & Lab Medicine, Medicine; *Role of the Jak/STAT Signal Transduction Pathway Associated with Y chain of the Receptor for Interleukin-2 (IL-2R) in the Pathogenesis of Malignant T-Cell Lymphomas*.

David Weitz, Physics, SAS; *Diffusing Acoustic Wave Spectroscopy*.

Eugene Wolf, Music, SAS; *The Origins and Early History of the Symphony (Conclusion of Research Phase)*.

John Wolfe, Pathobiology, Veterinary Medicine; *In Utero Gene Therapy*.

Irene Wong, et al, Social Work; *A Pilot Investigation of Racial and Ethnic Differences in Subsistence Strategies in the Face of Housing Emergencies*.

# New Deuteronomy Commentary Continues Penn Tradition

By Kirby F. Smith

Professor Jeffrey H. Tigay's recently published commentary on Deuteronomy is a milestone in the long, distinguished history of University of Pennsylvania Hebrew Bible scholarship as well as in American Jewish scholarship. It is also a testament to the unusual collection of materials that Penn can offer to its Bible scholars.

"Tigay is a leading figure among scholars of the Hebrew Bible in the context of the Ancient Near East," said David Noel Freedman, professor of Hebrew Biblical Studies at the University of California-San Diego and editor-in-chief of Doubleday's Anchor Bible series. "With the new Deuteronomy commentary, he claims an honored place among eminent and distinguished practitioners of this fine art associated with the University of Pennsylvania."

Penn scholars have written commentaries on 9 of the 24 books of the Hebrew Bible, including Tigay's "Deuteronomy," which came out in June and is the fifth and final volume of the "Jewish Publication Society Torah Commentary."

"The new commentary on Deuteronomy is undoubtedly the best one-volume commentary in English (and maybe in any language) now available to the reader, and will continue to hold that place for years to come," Freedman said.

Tigay, who is Ellis Professor of Hebrew and Semitic Languages and Literatures and Chairman of the Jewish Studies Program at Penn, has written extensively on Deuteronomy.

"It is the most reflective and intellectual book of the Torah," he said. "It not only teaches monotheism and prohibits idolatry, but explains the reasons for these teachings and demands and demonstrates the truth behind them."

"It is the source of the idea that a sacred book should be at the heart of religion (an idea now shared by Judaism, Christianity, and Islam), and that the entire populace, not just the clergy or an elite class, should be schooled in that book."

"It is the most passionate book of the Torah and introduces that emotion into the

relationship between God and Israel by speaking of their mutual love. It teaches a less anthropomorphic conception of God than do the earlier books of the Torah and it seeks to spiritualize religion by freeing it from excessive dependence on sacrifice and priesthood.

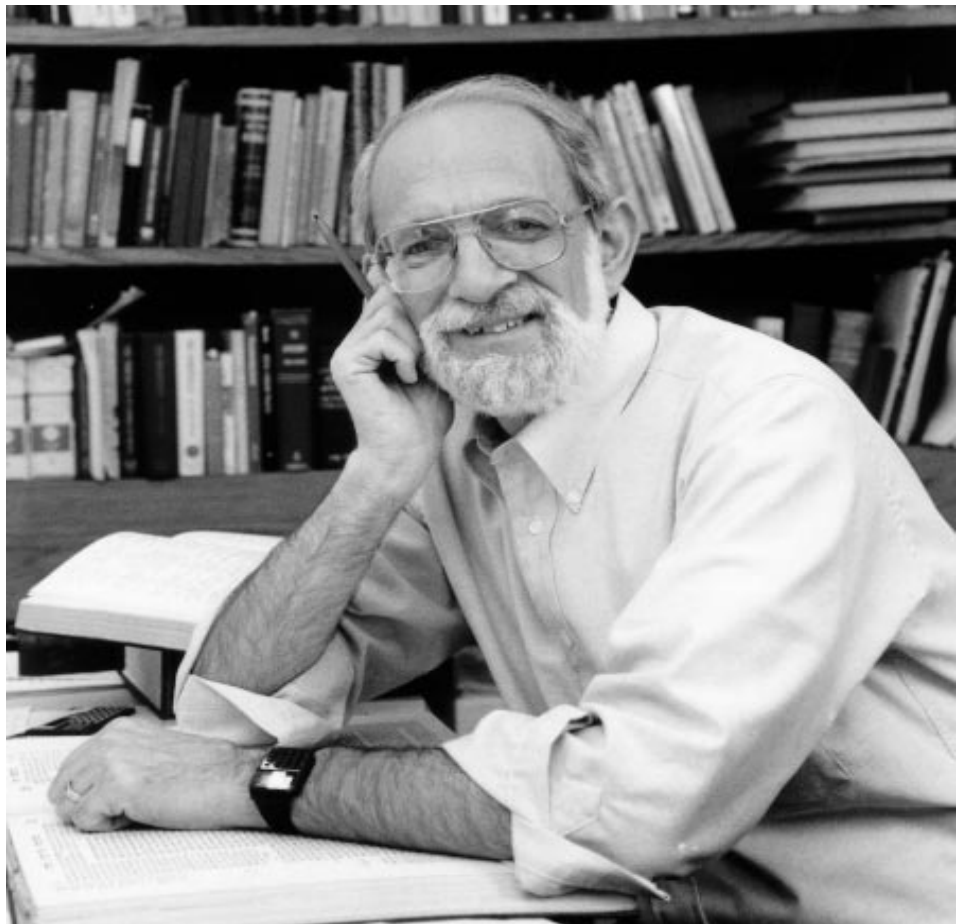
"It is also the book that most fully develops the Torah's humanitarian concern for the poor and disadvantaged — debtors, indentured servants, escaped slaves, resident foreigners, orphans, widows, animals, and even criminals."

Tigay's commentary — and that of the

tigation and application of extensive Akkadian and Assyro-Babylonian materials to the biblical texts," Freedman said, "and in this respect Tigay has demonstrated his unsurpassed mastery of the subject matter and his equal skill in analyzing and interpreting the biblical text."

Tigay depended on the scholars as well as the artifacts at the University Museum to help him with his understanding of the biblical texts.

"The materials referred to by Freedman are written on stone and clay tablets, and



Photograph by Stuart Watson

**Dr. Jeffrey H. Tigay**

other Penn Hebrew Bible scholars — benefited from access to an enormous wealth of materials at the University of Pennsylvania Museum of Archaeology and Anthropology.

"One of the special features of the Pennsylvania tradition has been the inves-

are found in several museums throughout the world," said Tigay. "Our museum has one of the largest collections."

"Since most of what I used has been previously published (such as an ancient Sumerian law book), I wouldn't have had  
(continued on page 9)

(continued from page 8)

to come to the museum to use it. But my presence at Penn has made it much easier for me to consult with colleagues in the museum about the interpretation of these texts and to ask them for references about various topics."

Tigay noted that Penn's museum also has what may be the largest collection of archaeological artifacts from ancient Israel outside of Israel itself, and being here made it easier for him to study them. For example, at one point in writing the commentary, in order to understand one of the laws in Deuteronomy, Tigay needed to know how much each of the two pieces of ancient millstone sets weighed; though several descriptions and pictures of millstones have been published, nobody had ever published their weight. So the museum staff weighed the millstone sets in the museum's collection for him.

Tigay also pointed out that although

Egyptological materials are not quite as important as Assyro-Babylonian ones for writing about most books of the Bible, they were often valuable to him, as was access to Penn's Egyptologists and Assyriologists from the department of Asian and Middle Eastern studies.

In 1995, The University gave Tigay its Lindback Award for distinguished teaching. A graduate of Columbia University with a B.A. in History, he holds a Master of Hebrew Literature degree from the Jewish Theological Seminary of America, where he was also ordained as a rabbi in 1968. He received his Ph.D. in Near Eastern Languages and Literatures from Yale University in 1971.

The other Penn scholars who are part of the tradition of Hebrew Bible scholarship are Morris Jastrow Jr., who taught at Penn in the late 19th and early 20th centuries and wrote commentaries on the Song of Songs, Job and Ecclesiastes; James A.

Montgomery, who taught here in the first several decades of the 20th century and wrote commentaries on Daniel and Kings; E.A. Speiser, who taught here from the '20s into the '60s and wrote the commentary on Genesis in Doubleday's Anchor Bible series; and Moshe Greenberg, who trained here in the '40s and '50s, stayed on to teach through the '60s, and wrote a commentary on Exodus and, in the Anchor Bible series, on Ezekiel.

"Without meaning to sound 'boosterish,' there is probably no place in the world that combines as broad a constellation of experts and as large a collection of ancient texts and artifacts that are valuable for Biblical scholarship as there are at Penn," Tigay said. "This helps to explain why so many commentaries have been written here."

Those interested in purchasing the Deuteronomy commentary and/or the other four volumes, should call the Jewish Publication Society at 800-234-3151.

## He Cures Audio and Video Ills

By Libby Rosof

In some places my audio tape sounds like someone gargling. In some places, a definite water whoosh accompanies the gargling, as if the sink is running. Some places, the voices are way high on helium, and other places they drag and sink below the range of human vocal cords, right down the drain.

I'm on deadline, but my interview tape needs surgery, and so will I (think heart attack here) unless someone can rescue it.

That was how I learned about the Multi-Media Center.

In the basement of David Rittenhouse Labs, through a warren of hallways, works the wizard who can take a terminal sound track and make it come alive — sometimes.

Media Specialist Sam Johnson makes duplications of audio and video, mans the digital work station that manipulates audio and video through the desktop, and edits videotapes. He presides over a bag of tricks to help the Penn community. Although the facility primarily helps SAS faculty and graduate students, anyone in the University can use it for as little as the cost of a tape, or some other reasonable fee.

Johnson, whose looks like a cross between a librarian and a mad scientist, has

a background in communications and theater.

"I used to make things blow up — on cue," he said about his work as a theater technician.

One of his theater inventions was a shrinking machine. "It had several motors and gears that appeared to pump. It had Chinese lanterns on top that went up and down. It was a mad contraption. Because it was so finicky, they needed me to go to France to show someone how to adjust it. They were so worried it wouldn't work, I had to stay there in Cannes for the opening (of Gian Carlo Menotti's 'The Boy Who Grew Too Fast')."

## Households Binge on Tax Refunds

by Esaúl Sánchez

Even little changes in income tax policy have a big impact on spending, according to new evidence presented by Nicholas Souleles, assistant professor of finance, at a lunch-time seminar sponsored by Wharton's Public Policy and Management Department at Steinberg-Dietrich Hall, Sept. 26.

Souleles studied consumption patterns of 8,000 households that received federal income tax refunds in one of the years between 1980 to 1991. His survey revealed that the poor and the wealthy spent

He still invents contraptions, even for the Multi-Media Center.

"We needed a boom mike for a PennNet show called the Math Zone, hosted by Dr. Dennis DeTurck," said Johnson. He put one together from the parts of a stand-up microphone.

But sometimes his inventiveness is not enough to cure all ills. After speeding it up, slowing it down, filtering this and that, and more, Johnson could make out most of my tape on his high-quality tape deck. But on my equipment, I still understood not a word. It's a good thing I took notes.

a large amount of their refunds within three months of receiving them. Both groups treated the tax refunds as windfalls, and not as regular income.

Souleles found that wealthier people spent their refunds differently from poorer people, even though they all behaved as if the refunds were found money.

The poorer people used refunds to buy things such as food and clothing they couldn't buy before because they didn't have the cash. But those with higher incomes, who had money to spend even

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# Dean Hack Plans Changes for Fine Arts

*Recently appointed Dean of the Graduate School of Fine Arts Gary Hack has joined teaching and research to practice in projects as diverse as New York's West Side Highway and Development Plan and master planning for Tokyo, Taipei and Bangkok. Arguably among the foremost urban designers in the world, he brings to Penn a belief in cross-pollination among disciplines and between theory and practice.*

*In two interviews, one with Compass Editor Libby Rosof, and one with architect Harris Steinberg (C '78 & GSFA '82) of Steinberg & Stevens, Hack spoke about his plans for GSFA.*

## **What are your plans for GSFA?**

First the school is to be centered on design, not in the narrow sense of only artistic vision, but also including the technical, social and political processes by which designs become realities. Design cannot exist in a vacuum. Designers need to recognize how all the culture, economics and politics, and materials influence the final outcome of a project.

Second, we're in an urban environment, so we will center on urbanism.

We're cemented to the collective environment we inhabit. We need to design the urban fabric well and bring to it artistic sensibilities. It's the "soft" elements — signs, advertising, public art, landscape, and so on — that humanize the places we inhabit.

Third, we need to be linking theory and practice. In science, researchers work in a laboratory, and that is how they test their theories against reality. But in urban design, the lab can't be in the university. In our case, having a practice is necessary, because much of our theory comes from trying things out in practice. It's a two-way street. The practice inspires the theory, and the theory inspires the practice.

## **How would you incorporate practice into the program?**

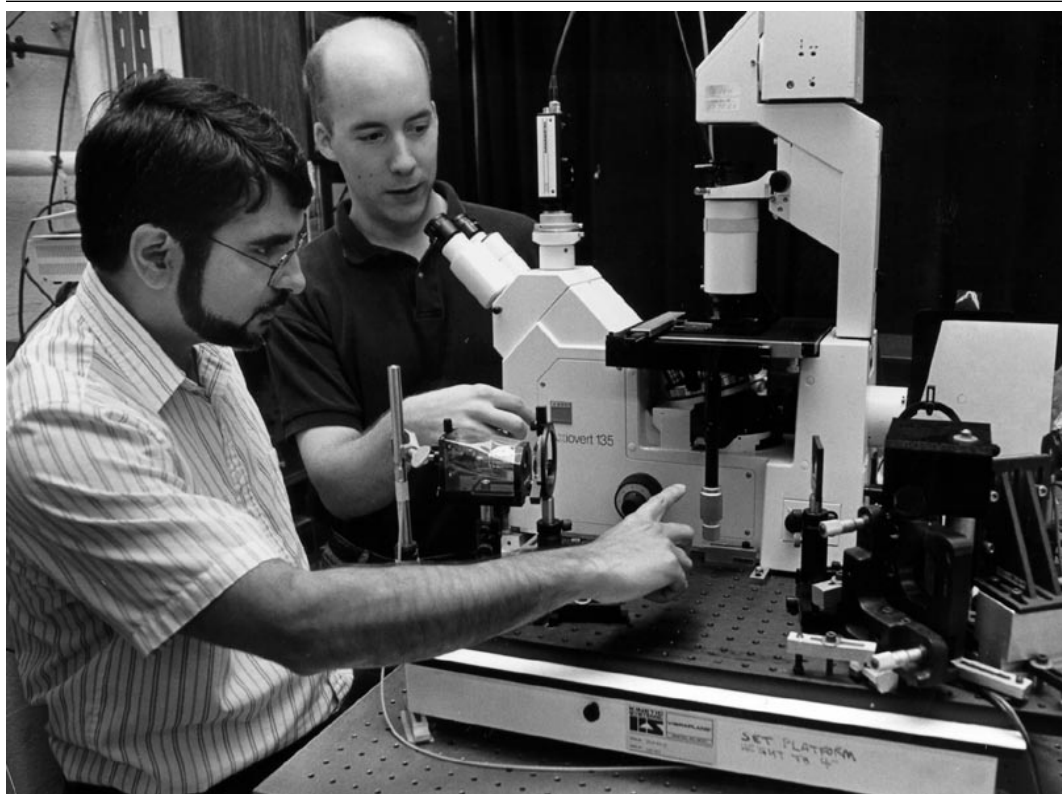
One of the things I want to do in working with the faculty this year is to explore the possibility of creating a practice foundation which would be similar to the kind of foundations that they have in medical school or clinical law practice. We would engage students in a learning that has to do with doing. I guess one of my models for that is the work that I've done over the

last few years at MIT. We've just finished a new plan for Bangkok. We managed to do it using students and faculty. I've kept on for a year three students who have helped put the plan together. It's been a magnificent learning experience for all of those people, a kind of experience that they couldn't have received by going to lectures.

## **How would you differentiate your institute from private practice?**

We should be doing the kinds of things that normal practitioners can't easily do. Let me give you an example. At MIT we did a project in Tokyo. We did studies on what the impacts of higher densities would be and questions of how they might finance whatever needed infrastructure would support the higher densities. That kind of objective analysis can better be done by a university because there is a certain level of objectivity in the university, whereas private practitioners in Japan were in one way or another tied into people who had a stake in these outcomes.

*(continued on page 11)*



Photograph by Candace diCarlo

## **Eureka**

*The British journal Nature published the research of Penn physicists Dr. Arjun Yodh (left) and graduate student Tony Dinsmore Nov. 19. They measured a force exerted on macromolecules by even tinier macromolecules. "It is possible that this type of entropic force plays some role in biological membranes where it is often necessary to manipulate big molecules into specific locations," Yodh said. "In this case, smaller molecules could play the same role as the smaller macromolecules played in this experiment." The scientists speculate that other possible applications might include the development of better-reflecting mirrors and low-fluctuation light sources. Yodh and Dinsmore worked with Dave Pine from the University of California-Santa Barbara.*

*— Esaúl Sánchez*

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***While dean, will you continue consulting and practicing with your firm?***

I'm not taking on any large projects. It's hard to practice and teach full time concurrently. You can do it serially. Doing a big project and being a consultant, you need flexibility of your time. Teaching is not at all flexible. When students show up for a class, they expect you to be there. There are not a lot of people who had full-gauge practices and did full-gauge teaching at the same time. This school needs attention and needs a full-time dean. My hope is that when I resume doing practice, what I'll do is practice through the new practice unit that we create here in the school.

***Do you plan any changes in faculty?***

We will recruit two new faces in planning, including someone who can anchor our efforts in the urban agenda. In Architecture, we will fill the Miller Chair, hopefully with a distinguished designer. I will try to push people to work on things with this agenda. And I plan to reward the people we have for good work — good teaching, good research, good work.

***How do you plan to make the fine arts faculty feel like they are part of the department? They are physically moving further away from planning and architecture. How will you encourage the integration of fine art sensibility into planning if people don't get a chance to rub elbows?***

Addams Hall (a new facility nearing completion at 33rd and Chestnut) will pick up one-half to two-thirds of our fine arts activity now. At first, we will keep some of our fine arts people in what people jokingly refer to as the "Blau Haus" — that's the blue prefab building at 33rd and Chestnut and that's a pun on Bauhaus. Later, as the building grows, everyone will be in Addams Hall.

I am concerned about how far away Addams Hall is, but Sansom Street could be made into a parallel walkway to Locust Walk, and the green space next to Hill House could become a town common. The Law School has a similar problem of being separated from the rest of campus.

Making those changes would incorporate those fringes into the central life of the campus.



**Dean Gary Hack**

I am interested in finding ways by which we can re-engage the fine arts' relationship with architecture, landscape architecture and planning. I would like, for example, to see more work in the area of public art, which is a nexus of all those fields. I'd like to see more of the sensibilities of people in fine arts — seeing and drawing and making of objects — find their way into architecture and landscape architecture.

***What is your agenda for fine arts?***

I have three agendas in fine arts. One, we have to teach visual literacy to all undergraduates here. So much of our

## Refunds

(continued from page 9)

before the refund, spent half the money they received on high-ticket items such as new vehicles.

"The most rational goal would be to consume evenly regardless of variations in income, that is, not to go from feast to famine," Souleles said. "According to this, people should borrow some money before receiving the refund in order to increase a little their consumption. Then they should save much of the refund after receiving it in order to make the higher level of consumption last further into the future. Instead people binge as soon as they get the refund."

culture is communicated through visual images. It would help to have a visual arts requirement, like the University of Chicago's. The requirement should not just be art history; it's important for people to try to have the experience of expressing things themselves through visual media like painting and sculpture.

Two, we ought to be teaching people to become artists and teachers in the arts in our master's program. Faculty need students as much as students need faculty to provide models for new ideas, new ways to see things and do things.

Three, we need the fine arts here at Penn for a constant infusion of artistic vision. The fine arts give us new ways of representing things and seeing things. Planning needs to emerge from artistic vision about places.

***What is the university's relationship to the community that surrounds it?***

This university has a huge stake in the inner city. Philadelphia is a wonderful place. It has to do with its smallness and congeniality. We have to pay attention to West Philadelphia.

***How do you view the future relationship between the suburbs and the cities?***

Suburbs and cities are intimately tied together — economically, socially. Suburbs can't survive if the core city is in bad shape, and the core city these days can't survive unless it has the revenues and responsibilities of people who live in the suburbs.

These results help explain how the president of the United States can make the economy look good near election time just by tweaking income tax policy.

"The best example was the Bush administration," Souleles said. "Bush only changed the timing of when taxes were withheld, not how much was withheld. Yet according to these results spending probably went up in reaction to Bush's policy."

The talk was part of the Fall Public Policy Seminar series. The next three seminars, addressing crime policy, will be October 3, 10 and 17, noon to 1:15 p.m. at 2034 Steinberg-Dietrich Hall.

# Music Department Goes Techno

by Libby Rosof

The new Music Computer Lab with all the bells and whistles is almost perfect. It can play the notes. It can notate the music. It can play the orchestration. As a chant plays, it can even pull up a copy of the illuminated music manuscript from the Vatican Library.

But in the eyes of the Lab's creator, Assistant Professor of Music Cristle Collins Judd, there's a mote in the perfection. Her doubts are not about the quality of the Lab, which does indeed do everything she had hoped. Her doubts are about hard choices — whether to allocate money to the Lab or to acoustic instruments.

"We don't have funding for tuning pianos," Judd said, while showing off a few of the Lab's tricks. "So we get the newest technology, but if we can't maintain our current technology ... It means money not spent on pianos."

But when Judd explains the new technology, she's proud and excited.

"This doubles the number of keyboards available to students in the music department," she said.

Because the new tool does things no acoustic instrument can do, and because it does a far more efficient job at some things than a teacher can do, it's a boon to undergraduate music education.

With the new technology, a student reading along in a textbook can hear the bars of music printed on the page. Just click on the example number and presto, the music comes to life. Students who can't sight read can hear each example without fumbling with a CD or tape.

The computer also allows students to drill on their own, a far more efficient process than class or even human-run labs can provide. The computer screen presents some notes, starts a metronome ticking, and the students can either sing the notes into a microphone or play them on the attached keyboard. The computer corrects the pitch and timing, and then gives a grade. The computer can also play a sound and ask the students to recognize it and enter the notation. Again, the answer is checked and graded.

The drilling allows ear training in first-year music classes, even for students with

little or no music background. It allows students to learn important basics normally given short shrift in a three-day-a-week, one-hour class. And teaching assistants can be redeployed to teaching their own classes instead of running the labs for faculty.

The computer also plays and prints out student compositions and makes orchestration easier.

Judd started her music career as a performer. "I played the oboe," she said.



***Music Professor Cristle Judd (standing) with graduate student Matt Butterfield in Music Computer Lab she designed.***

When she switched to academia, music theory was her specialty. She describes her computer skills before she began designing Penn's lab as "basic."

But upon her arrival at Penn in 1993, when she saw the department computer lab — "ten IBM double-floppy-drive dinosaurs and one up-to-date computer with a keyboard" — she knew she had a mission.

"We were not teaching our students

efficiently some very basic skills," she said.

Aware of the possibilities — she came from Cal State Fresno where her husband, Robert Judd, had just set up a music lab — she was convinced the department needed to set up a lab.

"I had no idea what I was getting into," she said.

She designed the lab (with some pro bono advice from her husband), made all the decisions on all the equipment (even how long the cables needed to be), wrote grant proposals, and after getting the money from the the School of Arts and Sciences and the Pew Charitable Trusts, she ordered the hardware and the software.

"What I didn't expect was that I'd be sitting on the floor setting up cables," she said. "I literally sat on the floor for two days, setting up this [teacher's] station."

Because she had to install everything, from peripherals to software, she learned how everything worked.

Although she's proud of her computer work, Judd is a professor of music first.

"The computers are tools, not an end point," she said. "I wouldn't describe myself as a techy. What I know about computers is to do certain kinds of things that allow me to teach music efficiently."

Gravely, she considered the trade-offs of the tried and true for the newest toy, of excellent pianos for computers.

"There's obviously a different sound quality to an acoustic instrument," she said. "And we're using the Music Lab synthesizers primarily to imitate acoustic instrumental sounds."

Students who compose scores on the computer and listen to the synthetic playback may get instant feedback, but they are not hearing the work as it would be performed.

"The lab cannot replace acoustic music making," Judd said.





# OPPORTUNITIES at PENN

Listed below are the job opportunities at the University of Pennsylvania. To apply please visit:

**University of Pennsylvania Job Application Center**  
**Funderburg Information Center, 3401 Walnut Street, Ground Floor**  
**Phone: 215-898-7285**

**Application Hours:** Monday through Friday, 9 a.m.-1 p.m.

Positions are posted on a daily basis, Monday through Friday, at the following locations:

Application Center—Funderburg Center, 3401 Walnut Street (Ground level) 9 a.m.-1 p.m.

Blockley Hall—418 Guardian Drive (1st Floor and 2nd Floor)

Dental School—40th & Spruce St. (Basement-across from B-30)

Houston Hall—34th & Spruce St. (Basement-near the elevators)

Wharton—Steinberg Hall-Dietrich Hall (next to Room 303)

*Job Opportunities and daily postings* can also be accessed on the Human Resources web page ([www.upenn.edu/hr/](http://www.upenn.edu/hr/)). A position must be posted for seven (7) calendar days before an offer can be made. The Job Opportunities Hotline is a 24-hour interactive telephone system. By dialing 898-J-O-B-S and following the instructions, you can hear descriptions for positions posted during the last three weeks. You must, however, have a push-button phone to use this line.

The University of Pennsylvania is an equal opportunity employer and does not discriminate on the basis of race, color, sex, sexual or affectional preference, age, religion, national or ethnic origin, disability or veteran status.

WHERE THE QUALIFICATIONS FOR A POSITION ARE DESCRIBED IN TERMS OF FORMAL EDUCATION OR TRAINING, PRIOR EXPERIENCE IN THE SAME FIELD MAY BE SUBSTITUTED.  
 POSITIONS WITH FULL DESCRIPTIONS ARE THOSE MOST RECENTLY POSTED.

## ANNENBERG SCHOOL

*Specialist: Clyde Peterson*

### INFORMATION MANAGEMENT SPECIALIST II

(091133CP) Serve as member of small computer support team serving diverse 200-users graduate school department computer system (which supports NetWare, Windows, DOS, & Mac systems & provides remote dialup, Internet, WWW services, two computer labs, scanning multimedia & experimental survey research computer systems); provide program support for use of applications software; develop programmed solutions for integrating software applications; set up & support software on all department system platforms; assist in systems hardware set-up & maintenance; assist & periodically train end users & write & distribute end-user documentation. **Qualifications:** BA/BS in computer science, MIS or equivalent; at least five years related experience; demonstrated ability to support DOS, Windows (3.11, Working & 95), MacOS, Novell NetWare 3.11, Ethernet & async trans protocols, TCP/IP network protocols, including PPP & SLIP; experience with ability to support MS Off software suite (Excel, Word, Access) on PC & Mac Platforms, background, with macro-level program of MS packages; DOS BATCH & WINBATCH, Netscape & HTML exp. pref.; Visual Basic program exp. strongly pref.; good organizational & communication skills essential; exp. with MS, C & BASIC a plus; exp. in academic computer environment pref. **Grade:** P6; **Range:** \$32,857-42,591 9-26-96 Annenberg School

## ARTS AND SCIENCES

*Specialist: Susan Curran*

**ADMINISTRATIVE ASS'T. I** (091132SC) Coordinate & maintain files for Clinical Psychology training program, as well as research-related records; produce audiovisual materials for scientific presentation & papers; conduct literature searches & maintain bibliographic database; answer phones, forward calls & take messages; type letters & memos; order supplies. **Qualifications:** High business curriculum & related post HS training or equivalent; at least two yrs. secretarial exp.; experience with Macintosh or IBM-compatible computers; proficiency with word processing programs & familiarity with (or ability to learn) other related software. **Grade:** G9; **Range:** \$17,614-21,991 9-24-96 Psychology

## DENTAL SCHOOL

*Specialist: Clyde Peterson*

**STAFF HYGIENIST** (091149CP) Perform patient evaluation: record & update health; chart existing oral conditions, needs & vital signs; monitor & motivate patients in

oral hygiene program; perform scaling, root planning, curettage & polishing teeth; instruct students & residents in utilization of hygienist in clinical care; maintain equip. & sterilize clinical instruments to current standards; order & maintain supplies. **Qualifications:** Registered dental hygienist; certification & licensure in PA; two yrs. direct clinical exp.; evidence of continuing educ.; ability to work well with variety of patients & staff. **Grade:** P3; **Range:** \$24,617-31,982 9-24-96 Dental Care Ctr.  
**DENTAL ASS'T. I** (40 HRS) (091148CP) Prepare treatment area to current infection control guidelines; assist in preparation of patient records; assist chairside utilizing 4-handed techniques; dispense & mix materials; expose, develop & mount x-rays; maintain equipment & sterilize clinical instruments; order & maintain supplies. **Qualifications:** HS graduate; completion of accredited dental assisting program; one yr. direct experience may be substituted for formal education: Pennsylvania x-ray certificate required. **Grade:** G7; **Range:** \$17,068-21,247 9-24-96 Dental Care Center

## ENGINEERING/APPLIED SCIENCE

*Specialist: Clyde Peterson*

**ADMIN. ASS'T. III** (091167CP) Facilitate graduate admission process, process new applications, data entry & generating related correspondence; coordinate undergraduate petition process, pull files, e-mail results, note files, SRS Actions & related correspondence; provide support to receptionist; interpret school policies for faculty, staff & students. **Qualifications:** Completion of HS business curriculum; minimum two yrs. at AAII level or related exp.; exp. in use of database required; excellent judgement & attention to detail; prior exp. in University setting pref. **Grade:** G11; **Range:** \$20,497-26,008 9-26-96 Student Svcs.

## EXECUTIVE VICE PRESIDENT

*Specialists: David Smith/Susan Curran*

**NUTRITIONIST** (091123SC) Write all recipes & create computer assisted recipe file & nutritional data base keeping the data base current & inter-active; monitor microbiological surveillance program for food safety; direct & implement Nutritional Education program; counsel students on nutritional matters; monitor all nutrition technology. **Qualifications:** BA/BS in nutrition; Registered Dietitian (RD); computer literate in both working with computers & developing computerized inter-active nutritional & recipe databases; four yrs. experience in a program that emphasizes nutrition; good inter-personal skills. (End date: One yr. appointment) **Grade:** P4; **Range:** \$26,986-35,123 9-23-96 Dining Services  
**ADMINISTRATIVE ASS'T. II** (091146SC) Provide University clients with advertising schedules & esti-

mates; provide publications with insertion orders & advertising materials to meet required due dates; proof-read advertising text prior to releasing materials to publications; work with internal design staff, provide direction for creative development of advertisements; produce display classified advertisements based on established formats; coordinate & manage vendor payments & client billing; greet visitors to office, answer telephones, distribute internal mail; perform data entry to assign job numbers & create a job file for all incoming orders; order office supplies. **Qualifications:** Completion of HS business curriculum or & related post HS training or equivalent; at least two yrs. at the AAI level or comparable background; excellent customer service skill; familiarity with Macintosh programs, understanding PageMaker helpful; ability to work well as part of a team effort; ability to handle multiple assignments simultaneously & meet deadlines. **Grade:** G10; **Range:** \$19,261-23,999 9-26-96 Publications

**SERVICE REPRESENTATIVE I** (37.5 HRS) (091147SC) Provide pre-sale support about computers & related products to University Community customers; answer telephones; give product demonstrations; filing/data entry operate computerized register system. **Qualifications:** HS grad with some college-level course work preferred in computer related field; experience in retail &/or computer support center; working knowledge of Apple & Windows computers & related products; strong, interpersonal/customer service skills. **Grade:** G10; **Range:** \$20,637-25,713 9-23-96 Computer Connection

## GRAD SCHOOL OF EDUCATION

*Specialist: Clyde Peterson*

**DIR. II** (081007CP) (End date: 9/30/01) P5; \$29,664-38,677 9-9-96 NCAL  
**PROGRAMMER ANALYST I** (081006CP) (End date: 9/30/01) P4; \$29,986-35,123 9-9-96 NCAL  
**PROJECT COORDINATOR** (081008CP) (End date: 9/30/01) P4; \$29,986-35,123 9-9-96 NCAL  
**RESEARCH SPECIALIST I** (07785CP) (On-going contingent upon grant funding) P2; \$22,351-29,098 7-19-96 GSE/NCOFF  
**ADMINISTRATIVE ASS'T. II** (07730CP) (On-going contingent upon funding) G10; \$19,261-23,999 7-19-96 NCOFF  
**P-T (ADMINISTRATIVE ASS'T. I)** (28 HRS) (07134CP) G9; \$9,678-12,083 3-11-96 Development Office

## LAW SCHOOL

*Specialist: Clyde Peterson*

**COORDINATOR II** (081013CP) P2; \$22,351-29,098 9-17-96 Law Development & Alumni Relations  
**ADMINISTRATIVE ASS'T. III** (08870CP) G11; \$20,497-26,008 8-7-96 Law School

## MEDICAL SCHOOL

*Specialists: Ronald Story/Janet Zinser*

**ASS'T. TO CHAIRMAN I** (08872JZ) Answer telephones; screen & draft response to Chairman's correspondence; assist in preparation & coordination of departmental reports; manage data; schedule appointments, meetings & manage calendar; participate in coordination of special function; act as liaison with faculty & school administration; attend & provide minutes of monthly & special faculty meetings. **Qualifications:** BA/BS; three-five yrs. related experience; knowledge of University policies & procedure preferred; ability to speak & write effectively; demonstrated initiative, ability to meet deadlines & teamwork approach; computer literacy, Macintosh expertise, Word, Filemaker Pro; excellent organizational & management skills. **Grade:** P1; **Range:** \$20,291-26,368 8-8-96 Cell & Developmental Biology  
**ASS'T. DIR. II** (08977JZ) Implement & coordinate Center's activities pertaining to faculty development (organize seminars & meetings), faculty recruitment, student recruitment & retention (organize meetings, at-

tend recruitment functions; develop newsletters, facilitate mentoring activities; plan & implement lectures, research courses & workshops for students & faculty; facilitate research on minority health problems. **Qualifications:** BA/BS; 3-5 years professional experience; substantial background in program management (faculty & students); relevant experience at institution of higher learning preferred; demonstrated ability in faculty & student recruitment; excellent oral, written, organizational & interpersonal skills; demonstrated ability work to independently; background in minority health research preferred. (End date: 8/31/99) **Grade:** P3; **Range:** \$24,617-31,982 8-26-96 Geriatric Medicine

**ASS'T. DIR. IV (091154JZ)** Administer special programs; coordinate Medical School with course director; manage database for the INS & department; assist in the development of new scientific programs & funding initiatives; publish a newsletter; compile annual reports & academic plans; organize annual functions & endowed lectureships; oversee educational program for medical students; help process faculty appointments & promotions; coordinate faculty searches; produce database/annual report, staff committee meetings/minutes; administer awards & special grants for faculty. **Qualifications:** BA/BS required; advance degree preferred; five yrs. of experience in research administration or comparable activities; ability to write & evaluate scientific reports; proficient with word processing spreadsheet & database software; excellent writing & communication skills; thorough understanding of academic procedures & administration. **Grade:** P5; **Range:** \$29,664-38,677 9-25-96 Institute of Neuroscience/Neuroscience

**PROGRAMMER ANALYST II (091101JZ)** Development of ML & C/C++ of CPL and TSL & other database tools as required; develop client/server architecture for CPL; test CPL & TSL on biological database; develop Mosaic & GUI interfaces to CPL client/server for Biological Databases. **Qualifications:** MS in computer science or BA/BS in computer science & two yrs. experience; data experience desirable; ability to develop design & implement algorithms preferred; skilled in UNIX, C, Perl, TCL/TK & GUI development; **Grade:** P6; **Range:** \$32,857-42,591 9-19-96 Genetics

**PROJECT MGR. I (07814RS)** Coordinate grant studying adverse drug events with drugs to arrest premature labor; establish relationship with medical record departments at five area hospitals; collect medical record data; develop & maintain project records/ documents; travel throughout the Delaware Valley; preparation of progress reports. **Qualifications:** BA/BS required; Masters desired; RN; one-three yrs. exp. in research; experience with computer applications software; excellent interpersonal skills; prior research experience. (End date: 6/30/01) **Grade:** P5; **Range:** \$29,664-38,677 9-23-96 CCEB

**PROJECT MGR. II (07821RS)** Coordinate grant studying adverse drug events with drugs to arrest premature labor; establish relationship with medical record/department at five hospitals; develop system to request medical records; collect data; develop & maintain project records document; travel throughout Delaware Valley to abstract records; preparation of progress reports; participate in other epidemiologic research projects; prepare project budgets; participate in research design; write proposals; prepare manuscripts for publication. **Qualifications:** Master's of science in epidemiology or related field; RN; three-five yrs. experience in research & project design; computer applications software experience; organized & attentive to detail. (End date: 6/30/01) **Grade:** P7; **Range:** \$36,050-46,814 9-23-96 CCEB

**RESEARCH COORDINATOR (091140RS)** Study monitor for the Mood & Anxiety Disorder Section; monitor & coordinate clinical research drug studies; implement & ensure protocol adherence to established guidelines; prepare study material & medication; document & report adverse events; ensure drug accountability; prepare study-related IRB paperwork; conduct field monitoring of studies, training of personnel & problem solving for quality assurance at participating satellite sites in the greater Philadelphia area; screen patients to determine eligibility for research study participation; monitor study charts; monitor labs & EKG's; train & supervise part-time assistants as well as medical personnel at satellite clinics; collect & analyze data; provide statistical summaries & report of progress on monitored studies; provide back-up coverage for research clinic, both at Penn & King of Prussia; provide support services to satellite sites as needed; supervise & train students. **Qualifications:** BA/BS, scientific major & at least three

yrs. clinical research-related experience required; ability to work independently & communicate with professional staff & associates; ability to collect, spin & prepare blood samples, collect urine specimens & perform EKG's; computer literate; working knowledge of IBM word processing software packages essential; valid driver's license & car required for working at satellite sites & for transporting books & medication to satellite clinics; must be willing to work one evening a week. **Grade:** P3; **Range:** \$24,617-31,982 9-24-96 Psychiatry

**RESEARCH SPECIALIST, JR. (091144RS)** Recruit, retain & track subjects for studies on depression & bipolar illness in children; provide assistance in protocol planning for studies; data collection, data entry & preliminary analysis; maintain subject logs; write lab reports & methods sections of scholarly papers; perform library bibliographic searches; may involve the administration of structured diagnostic interviews to participants. **Qualifications:** BA/BS in scientific or social science field; exposure to lab work; computer literate. **Grade:** P1; **Range:** \$20,291-26,368 9-24-96 Psychiatry

**RESEARCH SPECIALIST I (40 HRS) (091142RS)** Participate in pre-clinical & clinical toxicology research studies; provide technical support for research studies; provide technical input on the writing of Institutional Animal Use & Care Committee (IACUC) protocols; assist in the preparation of IACUC protocols for pre-clinical & clinical toxicology research studies as needed; provide intermediate supervision & direction to laboratory animal care technicians assisting on research studies; provide pre- & post-operative care to animals in accordance with AAALAC principles; observe & record clinical signs & reactions; assist with clinical management of laboratory animals with IHGT; administer treatments; inform the Director of Animal Services Unit (ASU) of any problems with treatments; maintain up-to-date health records on the animals; perform intravenous manipulations, such as blood draw & tail vein injections for investigators as required; perform clinical diagnostic/therapeutic procedures; perform minor surgical procedures related to studies; responsible for all blood & clinical chemistry materials (i.e. swabs & urine) collected at necropsies & during in-life phase of toxicology studies; interface with contract laboratories retained to analyze blood & clinical chemistry materials & follow-up with laboratories. **Qualifications:** Completion of accredited health technology program & State certification/license required; BA/BS in a scientific field required; one-three yrs. of laboratory experience in an industrial, research or academic setting required & or experience; experience working with non-human primates highly desirable, as is previous experience working in a GLP facility; good oral & written communication skills required, hard-working & enthusiastic attitude required; flexibility to work beyond requisite scheduled hours; high standards of animal welfare & health required. (Must be willing to share on-call responsibilities for after hours, weekends & holidays) (End date: 9/30/98) **Grade:** P2; **Range:** \$22,351-29,098 9-24-96 IHGT

**RESEARCH SPECIALIST I/II (091141RS)** Design, plan & carry out routine to complex experiments involving multi-parameter flow cytometric evaluations of growth regulation in leukemic cells; perform advance multicolor flow cytometry; compile data for presentation & prepare manuscripts; keep logs & write lab reports. **Qualifications:** BA/BS in biochemistry, biology or related field with advanced training in immunology. **RES. SPEC. I:** One yr. experience. **RES. SPEC. II:** Three yrs. experience. **Grade:** P2/P3; **Range:** \$22,351-29,098/\$24,617-31,982 9-24-96 Pathology & Lab Med.

**RESEARCH SPECIALIST II (081030RS)** Perform immunological techniques: separate peripheral lymphocytes, lymphoproliferation assays, ELISA; perform tissue culture techniques; develop & maintain short-term & long term, T & B cell cultures; assist in service requests for flow cytometry; perform apoptosis assays; perform ELISA techniques on samples from various pre-clinical & clinical studies; assist & train users of CIC equipment & facilities; assist CPU staff during necropsies & dissections; perform general lab duties such as cleaning, stocking, preparation of stock reagents & routine equipment inspection & maintenance; maintain accurate logs & records of service requests & multiple on-going projects; perform molecular biological techniques; assist with project planning & protocol development including working with the Toxicology program. **Qualifications:** BA/BS in scientific field required; knowledge & experience in cellular immunological techniques & molecu-

lar biology & theory required; three-five yrs. laboratory experience required; good organizational skills, ability to work with limited supervision & knowledge of Macintosh computers required. **Grade:** P3; **Range:** \$24,617-31,982 9-23-96 IHGT

**RESEARCH SPECIALIST II (091168RS)** Research the molecular physiology of two ion channels involved in cell signaling & human disease, the inositol trisphosphate receptor & the cystic fibrosis transmembrane conductance regulator; perform techniques in cell physiology including digital imaging of single living cells using light, fluorescence & confocal microscopies, micro-injection, patch clamp electro-physiology, immunolocalization; tissue culture of mammalian & insect cells, dissection of frogs & rodents to harvest cells; assist in planning experiments, implement new protocols, perform experiments, write lab reports, analyze data & perform computer searches & analyze; order & maintain supplies & equipment; assist in training other laboratory personnel including students. **Qualifications:** BA/BS or MS in scientific field required; three-five yrs. research experience; knowledge & previous laboratory experience (> two yrs.) in cell physiological or cell biological techniques; electrophysiology, computer programming or optical imaging experience desirable; ability to work independently, good interpersonal & organizational skills & knowledge of computers. **Grade:** P3; **Range:** \$24,617-31,982 9-27-96 Physiology

**RESEARCH SPECIALIST I/II (06641RS)** Responsible for managing the Dermatology Laboratories in the Stellar-Chance Building; participate in experiments; implement protocols; analyze data; teach new techniques; keep records & logs; maintain equipment; train new personnel; coordinate seminars & meetings; monitor expenses; order supplies & maintenance; study the molecular biology of cell adhesion in the skin; techniques will include molecular subcloning, transfection, baculovirus protein production, polymerase chain reaction, cell culture, southern analysis, gel electrophoresis, DNA sequencing, production of gene "knockout" mice & animal models & disease. **Qualifications:** **RES. SPEC. II:** BA/BS in scientific or related field; knowledge of molecular & cell biology; three to five yrs. experience in molecular & cell biology or similar research; strong organizational skills; ability to work with others. **RES. SPEC. III:** BA/BS in scientific or related field required; MA/MS preferred or equivalent; knowledge of molecular & cell biology; three to five yrs. exp. in molecular & cell biology or similar research; strong organizational skills; ability to work with others. **Grade:** P3/P4; **Range:** \$24,617-31,982/\$26,986-35,123 9-23-96 Dermatology

**ADMINISTRATIVE ASS'T. II (091138RS)** Support research group; schedule meetings, screen calls; maintain files, & reports; compose, prepare & edit correspondence & other documents; participate in manuscript preparation; assist in the implementation of plans for office environment including physical specifications, maintenance, telecommunication & housekeeping activities & monitor related expenditures; maintain equipment inventory data base; provide support on special, specific/assignments/projects; provide computer instruction & consultation for clinical trainees & research assistants. **Qualifications:** HS grad with some college course work; three yrs. AAI experience in a psychiatric/research setting pref.; excellent communication skills; extensive knowledge of personal computers, incl. WordPerfect, Harvard Graphics, Dbase, Lotus & Excel. **Grade:** G10; **Range:** \$19,261-23,999 9-26-96 Psychiatry

**OFFICE ADMINISTRATIVE ASSISTANT I (091153JZ)** Assist fiscal coordinator & business administrator with processing purchases, journals & C-forms using FinMis system for departments of Neuroscience & Neurology; compile & summarize financial data for monthly reports; respond to standard inquiries regarding policies & procedures; organize & maintain record filing systems; record, monitor & verify budget actions; responsible for service center billing. **Qualifications:** Completion of high school; two years administrative/clerical experience or equivalent; ability to work with many faculty, staff & students. **Grade:** G9; **Range:** \$17,614-21,991 9-24-96 Neuroscience

**PROGRAMMER I (40 HRS) (091136JZ)** Run existing computer software; develop new software; run & develop mathematical models of neural function under the direction of Ass't. Professor. **Qualifications:** BA/BS computer science/physics/programming or equivalent; programming familiarity with C & V or IX. **Grade:** G10 **Range:** \$22,013-27,427 9-23-96 Anesthesia

**RESEARCH LAB TECHNICIAN II** (40 HRS) (091137RS) Conduct experiments studying drug effects on animal behavior & neurochemistry; responsible for learning animal behavior techniques that measure drug reinforcement; conduct chemical analysis using liquid chromatography; keep experimental records, analyze data & prepare reports of results. **Qualifications:** BA/BS in psychology, biology or related science; experience with experimental psychology or liquid chromatography techniques helpful. (*On-going contingent upon grant funding*) **Grade:** G10; **Range:** \$22,013-27,427 9-24-96 Psychiatry

**RESEARCH LAB TECH III** (091170RS) (091171RS) Carry out laboratory protocols; keep logs & write lab reports; maintain inventories & order supplies; perform complex procedures, mastering techniques used in lab; follow established safety protocols. **Qualifications:** BA/BS in scientific field required; some prior laboratory experience needed; ability to act in an independent manner. **Grade:** G10; **Range:** \$20,637-25,173 9-25-96 Medicine-Pulmonary

**RESEARCH LAB TECHNICIAN III** (091169RS) Perform experiments utilizing magnetic resonance Spectroscopy; assist in writing lab reports & protocols for human studies; assist in human study experiments; document procedures; maintain chemistry lab; order supplies; collect & analyze data; perform computer analysis. **Qualifications:** BA/BS with science concentration; demonstrated ability to understand research protocols & documentation of research results; exposure to lab work required. **Grade:** G10; **Range:** \$19,261-23,999 9-27-96 Radiology

**SECRETARY IV** (091151JZ) Handle correspondence for seven faculty; transcribe letters & reports; arrange travel for faculty & post docs; copy course materials for faculty; type & proofread grant applications; organize & maintain filing system; order & maintain office supplies; maintain conference room schedule; perform journals by using FinMis (i.e. telephone & service contracts); provide back-up for secretarial position, process C-forms (travel reimbursements, supply requisitions & purchase); trouble shoot problems with purchases & payments. **Qualifications:** HS graduate with two yrs. experience; knowledge of word processing (WordPerfect or Word) & general skills with PC based software including database & spreadsheet; transcription experience; excellent organizational skills, ability to work with faculty & students; knowledge of scientific & medical terminology. **Grade:** G9; **Range:** \$17,614-21,991 9-24-96 Institute for Neuroscience

**SECRETARY** (091151JZ) Handle correspondence for seven faculty members; transcribe letters & reports; arrange travel for faculty & post docs; copy course materials for faculty; type & proofread grant applications; organize & maintain filing system; order & keep inventory of office supplies; maintain conference room schedule; perform journal by using FinMis (i.e. telephones & service contracts) provide back-up for secretarial position; process C-forms (travel reimbursements, supply reimbursements & purchases); trouble shoot problems with purchases & payment. **Qualifications:** HS graduate with two yrs. experience; knowledge of word processing (WordPerfect or Word) & general skills with PC based software including database & spreadsheet; transcription experience; excellent organizational skills, ability to work with faculty & students; knowledge of scientific & medical terminology. **Grade:** G9; **Range:** \$17,614-21,991 9-24-96 Institute for Neuroscience

**SEC'Y IV** (091152JZ) Answer phones for chairman; handle correspondence for faculty; transcribe letters & reports; arrange travel for faculty; copy course materials for faculty; provide back-up for secretarial positions; type & proofread grant applications; create NIH grant forms; organize & help maintain filing system; order & keep inventory of office supplies; assist dept. academic coordination with med school course. **Qualifications:** HS grad with two years secretarial/clerical exp.; knowledge of word processing (WordPerfect) & general skills with PC-based software including database & spreadsheet; transcription experience; excellent organizational skills, ability to work with faculty & students; knowledge of scientific & medical terminology. **Grade:** G9; **Range:** \$17,614-21,991 9-24-96 Institute for Neuroscience

**SECRETARY IV** (091155JZ) Handle correspondence; transcribe letters and reports; arrange a seminar series (including arranging itinerary for speakers, travel arrangements, and set-up for seminar); assist the Assistant Director in maintaining database; process C-forms for

speakers and graduate students (i.e. travel reimbursement). **Qualifications:** HS graduate with two years of secretarial/clerical experience; knowledge of word processing (WordPerfect) and general skills with PC-based software including database and spreadsheet; transcription experience; excellent organizational skills, and ability to work with faculty and students; knowledge of scientific and medical terminology. **Grade:** G9; **Range:** \$17,614-21,991 9-24-96 Institute for Neuroscience

**SECRETARY IV** (091177JZ) Assist in coordination of activities related to Cooperative Human Tissue Network project including secretarial & clerical; assist in the procurement & shipment of thousands of tissue annually; develop & maintain computer database; answer phones; arrange shipment of human tissue; maintain/order office supplies; maintain donor files & ensure donor confidentiality. **Qualifications:** High School diploma with business curriculum; two years progressively responsible duties; type minimum 55 wpm. **Grade:** G9; **Range:** \$17,614-21,991 9-27-96 Pathology & Laboratory Med.

## NURSING

*Specialist: Ronald Story*

**ADMINISTRATIVE ASSISTANT I** (40 HRS) (091172RS) Perform administrative assistant, clerical & receptionist duties in support of the Director Facilities Management; provide high level front line customer service; greet & direct visitors; answer telephones, take messages & route calls; maintain calendar of the Facilities Management staff; coordinate & schedule use of conference room & classrooms; maintain schedule of special events; coordinate & disseminate information of Federal Workstudy Program; oversee mailing & handling of employee paychecks; type standard & confidential correspondence using WordPerfect; provide back-up word processing support. **Qualifications:** Completion of High School business curriculum or equivalent; at least two years administrative/clerical experience or equivalent; knowledge of office systems/procedures; ability to prioritize conflicting demands; knowledge of Lotus 1-2-3 & WordPerfect. **Grade:** G9; **Range:** \$20,130-25,133 9-27-96 Nursing

## PRESIDENT

*Specialists: Susan Curran/Janet Zinser*

**COORDINATOR III** (091134JZ) Work closely with Director of Development for School of Nursing, Assoc. Director & faculty to assist in the coordination of stewardship, communications & solicitation activities; plan & coordinate special events; prepare annual reports to donors; oversee gift acknowledgment, tracking & grant information systems; draft & prepare proposals; coordinate special fundraising campaigns, limited exposure to soliciting gifts & edit & produce related publications materials. **Qualifications:** BA/BS; background in higher education, preferably in health related fields; two to five years experience in development &/or marketing including stewardship & special event work; excellent communications skills, both oral & written (writing samples required; word processing & desk-top publishing skills preferred; valid driver's license required; willingness to travel. (*Some evening & weekend work required*) **Grade:** P3; **Range:** \$24,617-31,982 9-23-96 Development & Alumni Relations

**STAFF WRITER II** (08938JZ) Provide general writing services with major emphasis on gift acknowledgement letters, presidential correspondence & other development communications projects, such as campaign & other newsletters, research & writing for speeches & remarks, scholarship & professional reports. **Qualifications:** BA/BS or equivalent; one to three years professional writing experience; excellent writing & research skills; detail oriented; computer literate; strong interpersonal skills; knowledge of or previous work experience in university environment pref. **Grade:** P3; **Range:** \$24,617-31,982 8-21-96 Development & Alumni Relations

## PROVOST

*Specialist: Clyde Peterson*

**ASSOCIATE DIRECTOR, LIBRARY INFORMATION SYSTEMS** (081020CP) Provide leadership, vision and management for the information systems department of

the University Library; recruit, develop and lead a team of professional & staff in the design and implementation of Penn's digital academic library of the future; plan, implement, install, support and maintain hardware and software; responsible for operation, maintenance and upgrading of Library computer laboratories & other public workstations; develop & manage effective staff; analyze systems; identify new products & technologies with potential value to scholarly information services; participate on teams planning & oversee University-wide computing & networking systems; act as liaison with other Penn programs & with other universities in collaborative projects & programs. **Qualifications:** BA/BS required; demonstrated initiative & leadership preferably in an academic setting; effective leadership, teamwork & interpersonal skills; familiarity with current information system development; previous experience with installation of major computer system or large-scale information technology application; knowledge of library & library information systems; demonstrated knowledge of: WAN & LAN systems, Z39.50 applications design, SGML & HTML design & application, UNIX, C+, Java, Javascript, Active X, Desktop operating systems, such as Windows & Apple, Oracle, Digitizing technologies, tiered client-server system design, Natural language, relevance search engines & relational database; telecommunication technology; networking technology; electronic publishing applications. **Grade:** P11; **Range:** \$32,857-42,591 9-26-96 University Libraries

**HEAD COACH B** (091166CP) Manage, direct & coach the Men's Squash team; responsible for recruitment, training & counseling of student athletes; actively participates in alumni relations & fund raising for the squash programs; work closely with women's squash coach to coordinate program needs. **Qualifications:** BA/BS; previous experience playing & coaching required/preferably on college or national level; ability to counsel students & motivate recruits, players, students & alumni to support program; demonstrated management skills/experience with academic advising desirable. **Grade:** P6; **Range:** \$32,857-42,591 9-26-96 DRIA

**SYSTEMS ANALYST SENIOR** (091150CP) Responsible for the technical and functional analysis of information processing and management systems, completing feasibility studies; designing systems and identifying the interrelationship among systems; develop system design specifications and cost benefit estimates; ensure adherence to departmental technical and quality assurance standards; maintain thorough knowledge of system development tools; determine functional requirements for client office; organize, plan and manage project within the scope responsibility in conjunction with appropriate client management. **Qualifications:** BA/BS with a minimum of six years progressively responsible experience within an administrative computing environment, including a minimum of three years in system design concepts and development methodologies; expertise in UNIX and relational database technology required; knowledge of COBOL, C, and ADABAS/NATURAL a plus; excellent written, verbal and interpersonal skills; demonstrated planning and organizational skills; working knowledge of LAN, project management software and desktop presentation tools helpful; experience with Access control/security systems, video networking and the product and technologies within the industry supporting police/security administration a strong plus. **Grade:** P8; **Range:** \$39,655-52,015 9-24-96 Information Systems Computing/Application Development

**ELECTRONIC TECH III/ELECTRONIC COMPUTER TECH, SR.** (091105CP) **E.T. III:** Maintain simple connections & more complex components of PennNet & participate on large projects; test & repair all types of PennNet copper & fiber optic wiring; find & correct faults in all types of interconnections between wiring & installed network electronics; identify & isolate problems down to the individual field-replaceable components, using sophisticated network test equipment & specific trouble shooting procedures & document diagnostic & corrective actions performed; refer complex or critical problems to Senior Technicians; responsible for routine projects assigned; may be required to carry a pager as part of the after-hours support of PennNet. **E.T., SR.:** Same as above as well as, implement major changes to network infrastructure, testing new technology & installing complex electronic; monitor PennNet during non-business hours; assist in the training of junior staff. **Qualifications:** **E.T. III:** HS graduate with focus on computer electronics or data networking or equiv.; three



# OPPORTUNITIES at PENN

yrs. experience installing or maintaining data networking components, or related experience; detailed knowledge of standard wiring components & techniques, Ethernet & data-networking electronics; basis knowledge of TCP/IP; expert in trouble-shooting complex systems, such as computer networks or equivalent; ability to use & configure personal computers & use UNIX systems to perform routine tasks. **E.T., SR.:** Seven yrs. experience installing or maintaining data networking components or related experience; expert knowledge of standard wiring components & techniques, data-networking electronics such as CISCO routers, Ethernet hubs, repeaters, bridges, terminal servers & modems; expert in trouble shooting systems with complex test equipment, such as Ethernet packet sniffers or equivalent test equipment; expert knowledge of Ethernet TCP/IP; strong leadership skills. **Grade:** G11/G13; **Range:** \$20,497-26,008/\$25,132-33,270 9-24-96 ISC-Networking

**OFFICE ADMINISTRATIVE ASSISTANT III** (091165CP) Perform administrative/clerical duties in support of the central administrative budget, purchasing, personnel/payroll; exercise considerable judgement, creativity & analysis in designing/implementing office/clerical procedures; prioritize work & compile/prepare budget & financial reports; process, monitor & verify payroll, personnel, A/P requisitions & budget actions; oversee service center staff & billings; oversee work-study program; serve as receptionist to provide information, respond to inquiries. **Qualifications:** Completion of HS curriculum & related post HS training or equivalent; minimum two yrs. experience at OAAII level or equivalent; thorough knowledge of clerical-accounting & office standards/practices; working knowledge of FinMis, Lotus spreadsheets applications & IBM PC's; strong interpersonal skills. **Grade:** G11; **Range:** \$20,497-26,008 9-26-96 LRSM

## VETERINARY SCHOOL

*Specialist: Ronald Story*

**NURSE, VET HEAD** (03276RS) P4; \$26,986-35,123 3-28-96 VHUP-ICU

**RESEARCH SPECIALIST JR** (081015RS) P1; \$20,291-26,268 9-4-96 Pathobiology

**RESEARCH SPECIALIST JR/I** (06654RS) (End date: 7/98) P1/P2; \$20,291-26,368/\$22,351-29,098 6-28-96 Clinical Studies

**RESEARCH SPECIALIST I** (091092RS) (On-going contingent upon grant funding) (Position located in Kennett Square, PA - There is no public transportation) P2; \$22,351-29,098 9-16-96 Clinical Studies

**CLERK ACCOUNTING II** (40 HRS) (091079RS) (Position located in Kennett Square - There is no public transportation) G8; \$18,481-23,132 9-11-96 Large Animal Hospital

**MAINTENANCE MECHANIC/MAINTENANCE MECHANIC, SR.** (40 HRS) (06581RS) (Position located in Kennett Square, PA. - There is no public transportation) G12/G13; \$26,133-33,725/\$28,723-38,022 6-19-96 Administrative Services/NBC

**RESEARCH LAB TECH III** (40 HRS) (07767RS) G10; \$22,013-27,427 7-19-96 Clinical Studies

**RESEARCH LAB TECH III** (40 HRS) (091078RS) (Position located in Kennett Square; no public transportation) G10; \$22,013-27,427 9-11-96 Pathobiology

**SECRETARY V** (11532RS) G10; \$19,261-23,999 11-7-95 Small Animal Hospital

**TECH, VET I** (40 HRS) (08972RS) (Schedule may include rotating shifts, weekends, holidays, plus overtime & on-call) (Position in Kennett Square; no public transportation) G8; \$18,481-23,132 8-28-96 Large Animal Hospital-NBC

**TECH, VET III (SPORTS MEDICINE & IMAGING)** (40 HRS) (03230RS) (May be required to work occasional overtime) (Position located in Kennett Square, PA. - There is no public transportation) G8/G10; \$18,481-23,132/\$22,013-27,427 3-22-96 Large Animal Hospital

**TECHNICIAN, VET ANESTHIA TRAINEE/I** (40 HRS) (081016RS) (Hours: 7:30 a.m.-4:00 p.m.) G8/G11; \$18,481-23,132/\$23,425-29,723 9-4-96 VHUP

**TECHNICIAN, VET IMAGING/II** (40 HRS) (081014RS)

(081017RS) (Assigned to emergency call evenings, weekends, & holidays; may be assigned to weekends) G8/G10; \$18,481-23,132/\$22,013-27,427 9-4-96 VHUP

**TECHNICIAN, VET O.R. III** (40 HRS) (08880RS) (Work schedule may include evenings, weekends, holidays & emergency on-call) G8/G10; \$18,481-23,132/\$22,013-27,427 8-9-96 VHUP-Surgery

## VICE PROVOST/UNIVERSITY LIFE

*Specialist: Clyde Peterson*

**COORDINATOR II** (08923CP) P2; \$22,351-29,098 8-19-96 OSIS

**INFORMATION MANAGEMENT SPECIALIST II** (08922CP) P6; \$32,857-42,591 8-19-96 OSIS

**PLACEMENT COUNSELOR, SR.** (07864CP) P5; \$29,664-38,677 8-6-96 CPPS

**PROGRAMMER ANALYST II** (08921CP) P6; \$32,857-42,591 8-16-96 OSIS

**STAFF ASS'T. V** (05424CP) P5; \$29,664-38,677 7-24-96 VPUL

**UPWARD BOUND COUNSELOR** (12650CP) (Work schedule: Tuesday-Saturday) (End date: Grant supported, ongoing continuation contingent on funding) P3; \$24,617-31,982 12-13-95 Academic Support

**PART TIME PROFESSIONAL (STAFF PSYCHIATRIST)** (15 HRS) (08999CP) (End date: 6/30/97) Blank 8-29-96 Counseling & Psychiatric Services

**ADMINISTRATIVE ASS'T. III** (07805CP) G11; \$20,497-26,008 7-25-96 International Programs

**SECRETARY, SR.** (08914CP) G11; \$20,497-26,008 8-16-96 VPUL

**OFFICE SYSTEMS COORDINATOR** (08983CP) G11; \$20,497-26,008 8-27-96 OSIS

**REGISTRATION ASSISTANT** (081000CP) G9; \$17,614-21,991 8-28-96 OSIS

## WHARTON SCHOOL

*Specialist: Janet Zinser*

**ASSOCIATE DIRECTOR VI** (091121JZ) Responsible for entire faculty computing research activity at the Wharton School; interact directly with and respond to faculty technology needs; manage staff of 14 senior computer consultants in the academic departments and research units; develop strategies to meet changing technical research and organizational requirements; promote provision of services to unsupported units; perform needs assessments; build and maintain group cohesiveness and develop staff; manage financial resources. **Qualifications:** BA/BS required; five years of management experience in a variety of computing environment and managing professional computing staff; familiarity with a broad range of computing platforms; proven ability to plan, prioritize and manage budget resources within the division; demonstrated initiative and leadership in an academic setting; excellent leadership, teamwork and interpersonal skills; proven ability to communicate effectively, both written and orally; excellent ability to present technical materials to non-technical users; demonstrated project planning and organization skills; strong customer service orientation skills. **Grade:** P8; **Range:** \$39,655-52,015 9-24-96 WCIT

**MEDIA TECHNOLOGY SPECIALIST** (06591JZ) (06592JZ) Provide complete technology support for faculty instruction & presentation; manage & maintain computing systems, software & hardware used in classrooms, incl. PC's, Local Area Networks, UNIX workstations, classroom computers & AV stations; assist faculty in use of these systems, in the design & authoring of graphics, multimedia, interactive World Wide Web pages & computer based digital media; formulate & implement computing solutions & strategies for faculty; instruct & support faculty in the use of a-v technology & video conferencing technology; participate in video & computer display production; maintain behavioral research lab; research & evaluate developing technologies, software & computing systems. **Qualifications:** BA/BS or equiv.; three-five

## Staff Training Schedule

Training and Organization Development has scheduled for this month:

- *Managing Frontline Staff;* October 15, 9 a.m.-5 p.m.; \$50; for those who manage or supervise staff responsible for the direct delivery of service.
- *Customer Service at Penn—You Make the Difference;* October 22 and 29, 9 a.m.-noon on both days; \$50; for anyone responsible for the delivery of service.
- *Time Quest—Increasing Productivity Through Value-Based Time Management;* October 25, 9 a.m.-5 p.m.; \$165; for anyone interested in becoming better organized, more productive and less stressed due to time pressures.
- *New Staff Orientation;* October 31, 9 a.m.-noon; free; for newly hired staff members.

For more information contact Joe Cooney, Ext. 1351, or via e-mail, [jcooney@pobox.upenn.edu](mailto:jcooney@pobox.upenn.edu)

yrs. minimum exp. in computing support, operations, software development, multimedia authoring or other relevant area; project management ability & proven organizational skills; ability to lift 50 lbs.; exp. with MS-DOS, UNIX, MAC-OS, Windows, TCP/IP, IPX, X-windows, Ethernet, C, Visual-Basic; extensive experience with many PC applications, multimedia authoring & presentation software; knowledge of IBM PC's compatible, Macintosh computers, UNIX workstation, incl. peripherals; experience with video/digital video helpful; strong interpersonal skills; ability to work & communicate with users with a wide range of technical exp.; strong organizational & leadership skills. **Grade:** P6; **Range:** \$32,857-42,591 9-26-96 WCIT

**PLACEMENT COUNSELOR II/ASS'T. DIR. IV** (091131JZ) **PLACEMENT COUNSELOR:** Provide individual career counseling to MBA students; conduct mock interview sessions & programs; design & manage school-wide programs that facilitate peer & professional counseling opportunities; design, deliver & manage career workshop & panels; serve as primary contact for several industries' recruiting representatives; assist on projects; manage professional & administrative & administrative staff; manage student assistants. **ASS'T. DIR.:** Provide career counseling services to MBA students, plan & implement career-related programming teach Career Management Seminar to first yr. MBA's; coordinate collections analysis & reporting of placement data; develop & maintain relationships with designated employers. **Qualifications:** **PLACEMENT COUNSELOR:** BA/BS required; two yrs. exp. in career development or equiv.; grad degree in business or career counseling pref.; exp. in & an understanding of the career development process; demonstrated ability to successfully handle simultaneous administrative tasks; initiative & a proven ability to work in teams to meet deadlines; excellent oral & written communication skills; knowledge of word processing & database management. **ASS'T. DIR.:** Grad degree in mgmt. or counseling strongly pref.; three-five yrs. exp. in career development svcs.; knowledge of business & business careers; strong written & oral communication skills essential; familiarity with PC-based system; polished teaching & platform skills. **Grade:** P4/P5; **Range:** \$26,986-35,123/\$29,664-38,677 9-23-96 Career Development & Placement

# Update

OCTOBER AT PENN

## TALKS

**7** *ATP's Role in Regulation of Bladder Smooth Muscle*; Robert Theobald, Kirksville College of Osteopathic Medicine; 9-10 a.m.; Seminar Rm., White Bldg. (Urology).

*Mutagenic Analysis of the Actin-alpha Actinin Interface*; Isaac Peng, R. W. Johnson Medical School; 2 p.m.; Conference Rm., Richards Bldg. (Pennsylvania Muscle Institute).

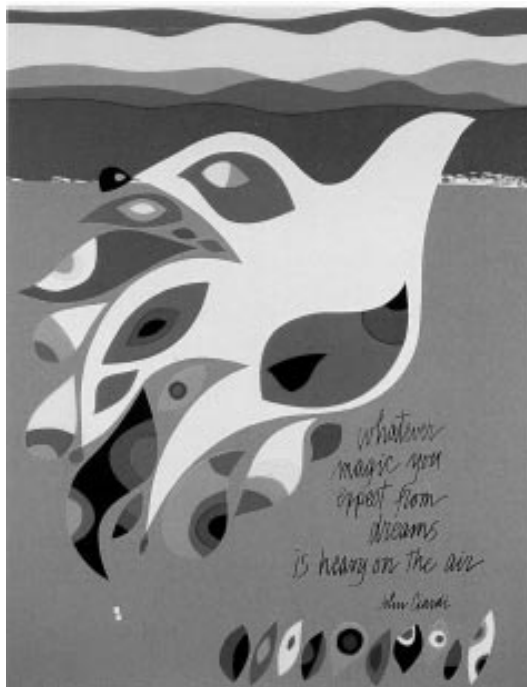
*Von der Hostie zur Munze Goethe uber religiose und monitaire Weltanschauungen*; Jochen Horisch, UVA; 8:15 p.m.; Max Kade German Center, 3905 Spruce St. (German; Comp Lit).

**8** *Adorno's Modernity: Revisiting the Frankfurt School*; Jochen Horisch, UVA; 4 p.m.; Smith-Penniman Rm., Houston Hall (German; Comp Lit).

**9** *Publishing in African Studies*; Janet Rabinowitch, Indiana Univ. Press; 4 p.m.; 421 Williams Hall (African Studies).

## Green Thumbs for Senior Citizens

Beginning this month, Penn's Institute on Aging and the Ralston Wellness Center will offer horticultural therapy sessions for senior citizens. The Green Thumbs Club will meet Mondays and Thursdays, 10 a.m.-noon at Ralston House, 3615 Chestnut St. This free, pilot program runs through February 1997. The "kick-off" is Wednesday, October 2, at 2 p.m. Seniors interested in joining or volunteering may call Bev Agard, at 573-5789.



Sam Maitin's John Ciardi Print (1980), a seven-color serigraph in the Faculty Club show opening today at 4:30 p.m.

## The Faculty Club's October Exhibit: Works by Sam Maitin

Recent Works and Other Flights of Fancy by Sam Maitin, the show at the Faculty Club now through October 25, will open with a reception this afternoon, 4:30 to 6:30 p.m. Most of the work on view was completed after he returned recently from China, where he was commissioned to create and install a large mural in a new building in Shanghai. Other drawings, prints and paintings were created in response to writings of authors and poets he admires. Mr. Maitin's presence is also evident at the Annenberg School of Communication, where the relief mural Celebration, fills the east wall of the main lobby, and at the Wharton School's Vance Hall, where his lively banners line the main floor corridor. Mr. Maitin's posters commemorating many occasions, including the Dental School's Centenary, are now collector's items.

## 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 **September 16 through September 22**. Also reported were **Crimes Against Property**, including 43 thefts (including 4 burglaries, 2 thefts of auto, 4 thefts from autos, 16 of bikes and parts); 5 of criminal mischief and vandalism; 3 of trespassing & loitering. Full crime reports are in this issue of *Almanac* on the Web (<http://www.upenn.edu/almanac/v43/n06/crimes.html>).—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 **September 16 and September 22, 1996**. The University Police actively patrol 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 898-4482.

### Crimes Against Persons

**34th to 38th/Market to Civic Center:** Robberies (& attempts)—1, Threats & harassment—5  
 09/16/96 12:11 PM College Hall Staff received threat via phone  
 09/16/96 11:57 PM Bishop White Dorm Unwanted obscene calls received  
 09/17/96 4:13 PM 3401 Walnut St. Harassing phone calls received  
 09/17/96 11:51 PM 3400 Blk. Sansom Complainant robbed by 2 males  
 09/19/96 5:25 PM 3700 Blk. Walnut Male threatened with knife  
 09/20/96 12:16 PM Medical School Staff reports being harassed

**38th to 41st/Market to Baltimore:** Robberies (& attempts)—5, Threats & harassment—1, Indecent exposure & lewdness—1  
 09/16/96 1:30 AM 41st & Chestnut Complainant robbed at gunpoint  
 09/17/96 5:04 PM 40th & Ludlow 2 males attempted to rob complainant  
 09/18/96 12:00 AM 4000 Blk. Pine 2 males robbed complainant at gunpoint  
 09/18/96 1:00 AM 40th & Locust 3 males robbed complainant at gunpoint  
 09/21/96 11:06 AM 1925 House Harassing calls received  
 09/22/96 8:46 PM 3900 Blk. Pine Male reported to be exposing self  
 09/22/96 10:38 PM 4000 Blk. Pine Complainant robbed at gunpoint

**41st to 43rd/Market to Baltimore:** Robberies (& attempts)—1  
 09/22/96 9:36 PM 300 Blk. St. Mark Complainants robbed by unknown person/s

**30th to 34th/Market to University:** Threats & harassment—2  
 09/16/96 10:33 PM Hill House Unwanted calls received  
 09/17/96 11:16 PM Hill House Unwanted calls received

**Outside 30th to 43rd/Market to Baltimore:** Robberies (& attempts)—2, Simple assaults—1, Threats & harassment—2  
 09/16/96 11:58 AM 2101 Chestnut Unwanted calls received  
 09/16/96 12:12 PM 1301 Filbert Officer harassed by suspect in court  
 09/16/96 2:31 PM Off Campus Complainant reports being assaulted  
 09/18/96 10:10 PM 400 Blk. S. 42nd Complainant robbed by 3 males/2 arrested  
 09/19/96 4:53 PM 11th & Pine Complainant robbed by unknown person

**Calendar Deadlines:** Material for November at Penn is due by October 15, for December at Penn by November 12. Updates are published weekly only as space allows, and copy is due one week prior to publication.



# Almanac

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