



## Wharton Center Receives Federal Grant

*Funds provided to establish Small Business Development Centers across the state*

**T**he Small Business Administration has given a one-year, \$150,000 grant to the Wharton Entrepreneurial Center for use in the development and supervision of a state-wide network of Small Business Development Centers (SBDCs).

According to the terms of the grant, the federal monies will be used by the entrepreneurial staff here to give an impetus to the growth of small businesses throughout the commonwealth. The grant was announced by Lt. Governor William W. Scranton III, chairman of the governor's Small Business Council.

Professor William Zucker, associate director of the entrepreneurial center and principal investigator for the grant, said, "It's our job to make all these centers—as well as our own—effective in generating the kind of help every entrepreneur needs." In particular, plans call for Zucker and his associates to supply to small businesses information concerning real estate, as well as legal, financial, and engineering matters.

The five regional centers that will participate in the project are:

University of Pittsburgh: western Pennsylvania;

Bucknell University: central Pennsylvania;

Pennsylvania State University: Harrisburg and York;

Lehigh University: Allentown, Bethlehem, Easton; and

Wilkes College and the University of Scranton: Scranton and Wilkes-Barre.

Professor Edward B. Shils, director of the entrepreneurial center, said that one of the major objectives of the newly funded program was to "motivate the centers throughout the state to aid owner-operators of small businesses." Conferences, seminars, and workshops will be used to help disseminate to Pennsylvania's small entrepreneurs the expertise that has accumulated over the years at the Wharton Entrepreneurial Center.

"We'll emphasize the clinical approach to all the behavioral and organizational design problems," said Shils.

Lt. Governor Scranton, in announcing the award, said he expects the commonwealth to receive \$300,000 for the second year of the



*Professors Shils and Zucker: Big help for small businesses*

SBDC network's operation. Eventually as many as 15 Pennsylvania college and university centers may be brought into the program, he said.

It is appropriate that the Wharton Entrepreneurial Center was designated the commonwealth's clearinghouse for the SBA-funded program. It was organized more than six years ago under the School's Department of Management and quickly grew to encompass a student-operated association, called Business Practice Service, that consulted with minority enterprises.

Undergraduate and graduate curricula in the study of entrepreneurship developed out of that initial phase. Last year more than 600 students completed the center's courses, which are part of a "concentration" for management majors.

"In those early days," said Shils, "we were called in on dozens and dozens of small-

business cases. They made the Entrepreneurial Center an outpatient clinic for the treatment of owner-managed operations. We learned to recognize every growth crisis a young organization could have—how to find money, or people, or raw materials, and how to set up worthwhile controls."

In recent years, as part of its ongoing research, the center has profiled hundreds of owner-operators. "The entrepreneur is far

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- His cartoons mix the known with the unfathomable, the commonplace with the mysterious. This is the work of one-time Penn student Charles Addams, *page 6*

# Rock-hounding in the Sinai

*Michael Stone investigates Armenian rock inscriptions in the desert*

Some of the earliest Armenian writing to survive to the present day may be scratched into rock along caravan routes in the disputed Sinai peninsula, according to Dr. Michael Stone, adjunct professor of religion.

Stone spent much of his summer traveling by jeep around the Sinai and recording the inscriptions, some dating back to around 600 A.D., even as Israeli and Egyptian negotiators were deciding the eventual fate of the peninsula.

Discovery of the inscriptions came when Stone and a University graduate student, Thomas Samuelian, checked out a reference they had found in an obscure journal to "a few" Armenian inscriptions which were reportedly scratched into a well-known tourist attraction near Ain Hudra in Wadi Haggag in Sinai.

Tourist buses frequently stop at the rock near Ain Hudra to let people see inscriptions left by generations of pilgrims in many languages. In fact, the rock has a wall built around it to keep modern day pilgrims from leaving their own "inscriptions."

On his first trip to the site, Stone and

Samuelian found not a few, but nearly 40 Armenian inscriptions on the rock.

"There were so many inscriptions on it, and they were so faint, I had to look at the rock at several different times of day, including dawn for a strong side light," Stone said.

The number of inscriptions firmly established the Armenian presence on the pilgrim route to Mount Sinai, and the dates of the inscriptions put the Armenian presence in the area of the Holy Land much earlier than scholars had thought.

He found corroborative evidence of the sanctity of Sinai in Armenian eyes in the Church of Etchmiadzin in the Armenian Quarter of Jerusalem. Rocks from Sinai are preserved there along with rocks from two other places holy to Armenians.

From an archaeological officer of the Israeli Sinai Administration, Stone heard about a valley full of inscriptions, Wadi Mukateb, in Western Sinai. A trip to the place yielded more Armenian inscriptions.

For Stone, who is also a member of the faculty of Hebrew University in Jerusalem, the find was another episode in a long history of Jewish-Armenian cooperation.

Since the Six Day War in 1967, Stone has been meeting with residents of the Armenian quarter of the Old City of Jerusalem. With another Israeli scholar, he has written a book about the treasures of Armenian art.

He has also helped to publish a book on Jewish texts which have been preserved in Armenian. Some of these texts date back to

the days of the Second Temple.

One Jewish text preserved in Armenian records who wrote which parts of the Bible. This is a translation from the Talmud, the written form of Jewish oral law.

Why did the Armenians preserve these Jewish texts?

"The Armenians modeled themselves after the Maccabees," Stone noted. "They are a people who have fought to maintain their faith. And, like the Jews they have been scattered throughout the world in a kind of diaspora."

Stone notes that some Armenian scribes appended personal notes on their times and their surroundings to the texts they were copying.

One such appendix, from Lemberg, or Lvov, in Poland, mentions a Jewish community there. It describes the Jews studying their ancient texts and notes that Armenian consulted Jewish rabbis about the interpretation of scripture.

In one very complimentary flourish, said Stone, the scribe writes that Jews cultivated the muses as the Athenians had.

Stone became interested in Armenian when a professor ordered him to learn it. "I am a very obedient guy," he added laconically. He is originally from Australia, a fact which he says has no relationship to his interest in the Armenian language and culture. His findings were presented at the First International Conference on Classical Armenian Culture November 4-6 at Penn.

—Max Lebow

## Barnes to Leave Penn for Tufts University

Curtis L. Barnes Jr., director of communications at the University for the past two years and a member of the administration since 1973, will leave at the end of December to accept a senior administrative position at Tufts University, near Boston.

In a newly-created position at Tufts of director of communications, Barnes will serve as a member of the president's cabinet. He will have overall responsibility for university public relations, public information and publications, and significant involvement in community relations, government relations, alumni relations, admissions and student recruitment, and development programs.

University of Pennsylvania President Martin Meyerson said, "While we are immensely pleased for Curtis Barnes, his leaving will be a great loss for Pennsylvania. In his six years here, Curtis has brought his administrative talents to a variety of important tasks, resulting in significant improvements to the University."

Prior to becoming director of Communications, Barnes had been publications director.

He has served in publications and public relations posts at Syracuse University, Elmira College, and Clarkson College of Technology.

## Federal Grants to Wharton Center

*continued from page 1*


more than a mere adventurer. He or she is one who knows how to evaluate business opportunities and select as targets only those ventures where there is a reasonable guarantee of success," observed Zucker.

The SBA grant, according to Director Shils, will enable the entrepreneurial center to once again stress its original emphasis on small businesses.

Shils added, however, that "We have also lately gone into the international field. One of our projects has so far involved two years of consulting with the Social and Economic Council of France as they propose a far-reaching redesign of their major corporations. For them we studied nine major U.S. corporations that have decentralized organizations."

The SBA has designated similar statewide small-business networks for nine other states. All of their directors will meet in Washington, D. C., later this month to exchange plans and share strategies.

# Almanac



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# Sidewalk Status

*Annenberg Study examines who yields to whom on a crowded street*

Galantry is alive and well on our sidewalks, although it is sometimes difficult to detect.

Pedestrians on a crowded street yield to other pedestrians who are deemed weaker because of their age, sex or health. But pedestrians also yield to those who possess obvious strength and status.

The two acts look the same but have very different social ramifications, according to "Correlates of Displacement in Pedestrians," a study in the autumn issue of the *Journal of Communications*, published quarterly at the Annenberg School of Communications.

Researchers Frank Willis Jr., Joseph Gier, and David Smith of the University of Missouri, Kansas City observed 1,038 displacements involving 3,141 pedestrians in a college restaurant and four shopping malls.

The researchers defined displacement as when pedestrians, singly or in groups, approach each other and one moves or turns his or her body for the other. Gender, age, race and group size were among the characteristics monitored to determine who moved for whom.

The researchers found that:

- A man moved for a woman only 39 times

while a woman moved for a man 79 times.

- The man in a couple was displaced 78 times while the woman was displaced only 54 times.

- Single pedestrians yielded more frequently to couples than couples yielded to them.

- Pedestrians carrying infants or pushing wheelchairs or strollers were more likely to displace other pedestrians than to be displaced themselves.

- Whites were more likely to be displaced by blacks in all cases, a fact which is not easily explained in the context of the study, the researchers said.

"The most important implication of these findings is that 'gallantry' may be as important as power in determining displacements," the researchers said.

"Yielding to someone stronger in status or physical attributes is a very different act from that of deferring to someone deemed weaker by the conventions attached to age, sex and health," they said. "That the two kinds of acts look the same does not mean that their ramifications are equivalent, or that they serve the same functions in regulating the physical and social traffic that governs day-to-day life."



## Music Department Sets Fall Concert Schedule

Beautiful music is yours for the listening at concerts sponsored by the music department. Except for the December 1 Christmas Concert, all are free and require no tickets. Tickets for the Christmas Concert, at \$4 each (\$2 for students and senior citizens), are available at the Music Department Performance Activities Office, 518 Annenberg Center, 3680 Walnut Street, or by calling 243-6244.

The schedule is as follows:

**Friday, November 9:** The University Symphony Orchestra plays Beethoven's *Leonore Overture No. 3*, Tchaikovsky's *Symphony No. 5*, and Webern's *Passacaglia*, opus 1. 8:30 p.m., Irvine Auditorium, 34th and Spruce streets.

**Friday, November 16:** The University Choir sings Bach's *Missa Brevis in G*, chansons by Poulenc, motets of Josquin and Vinders and part songs by Haydn. 8:30 p.m., Tabernacle Church, 3700 Chestnut Street.

**Saturday, December 1:** The Collegium Musicum presents Christmas music of medieval and renaissance Spain. 8 p.m., University Museum, 33rd and Spruce streets.

**Friday, December 7:** The University Choral Society sings Haydn's *Missa Brevis St. Joannis de Deo*, Brahms' *Liebeslieder Waltzes* and two Purcell anthems. 8:30 p.m., Tabernacle Church, 3700 Chestnut Street.

**Friday, January 18:** The Penn Contemporary Players present Lambert Orkis in a recital of 20th century music for piano and harpsichord including Maurice Wright's *Chamber Symphony for Piano and Electronic Sounds*; James Primrosch's *Apparition* for amplified piano; William Penn's *Fantasy* for amplified harpsichord and Charles Ives' *Concord Sonata*. 8:15 p.m., Lang Concert Hall, Swarthmore College.

**Friday, February 29:** The University Symphony Orchestra plays many of the works of Aaron Copeland, in celebration of the composer's 80th year. Mr. Copeland is expected to attend. 8:30 p.m., Irvine Auditorium, 34th and Spruce streets.

## WORTH NOTING

■ Intricate applique and brightly-colored embroidery created by the Hmong women of the Hill people of Laos is on display at the University Museum shop, 33rd and Spruce Streets. These craftswomen from Xieng Khouang, Laos are now living in Philadelphia. To introduce their traditional folk crafts to Philadelphia, the Museum Shop is presenting an exhibit and sale through November 30. The shop is open Tuesday-Saturday, 10 a.m.-4 p.m., and Sunday 1-4 p.m.

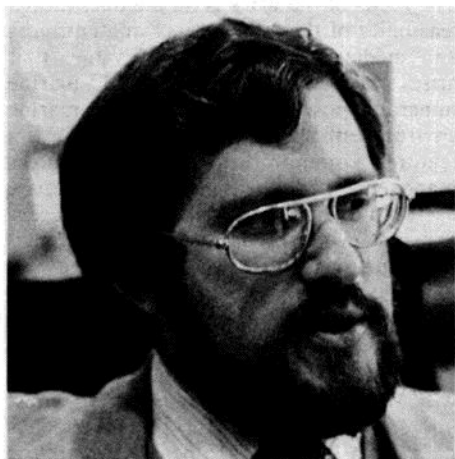
■ The National Endowment for the Humanities has set February 1, 1980 as the deadline for its next Challenge Grant program. New guidelines for the program must be used in filing against the February deadline. Copies are available from NEH Challenge Grants, Mail Stop 800, National Endowment for the Humanities, Washington, D.C. 20506.

■ The National Institute of Education is accepting applications for teaching and learning research grants for the current fiscal year. The institute wishes to encourage proposals for studies on how learning and teaching are affected by race, ethnic or language background, gender and social class. Sixty to 70 grants, ranging from \$15,000 to \$50,000, will be awarded. For

more information, send a self-addressed mailing label to Program Staff, Teaching and Learning Program, National Institute of Education, 1200 19th Street, N.W., Washington, D.C. 20208.

■ High school juniors and seniors, parents and anyone else interested in higher education will have the opportunity to talk with college representatives from all over the country—at the Philadelphia National College Fair—November 13 and 14 at the Civic Center. Approximately 375 colleges and universities will participate, providing brochures, catalogs and other literature describing their institutions, programs and campus life. There will also be a counseling center for students to talk personally with professional guidance people. Admission to the fair is free. It will be open 4 p.m. to 9:30 p.m. on Tuesday, November 13 and 9 a.m. to 2 p.m. Wednesday, November 14.

■ The Stouffer College House community is seeking a faculty fellow, which is a residential position. For information, call Professor Aris Protopapadakis at Ext. 7639, Chuck Stempler at 386-2963, or leave your name and phone number with the receptionist at Ext. 6827.



**Dr. Fredric D. Burg** was appointed associate dean for academic programs by the School of Medicine. The position involves research in medical education as well as responsibility for the school's educational programs.

Burg, who was trained as a pediatrician, took as his primary interest the prevention of accidents and injuries to children early in his career. While in the United State Public Health Service, he served as the chairman of a committee charged by the Secretary of Health, Education, and Welfare to develop guidelines for the prevention of lead poisoning in children. Burg was also among the early proponents in the use of restraining devices in automobiles for the protection of children, and assisted in the development of a national program that encouraged the use of these restraints.

As a result of Burg's work on the document, *Foundations for Evaluating the Competency of Pediatricians*, pediatrics was among the first specialties to develop standards for residents trained in pediatrics to become Board certified.

Since 1971, Burg has been associated with the National Board of Medical Examiners, and has served as that organization's vice president since 1977.

Burg was graduated Phi Beta Kappa from Miami (Ohio) University and was awarded his M.D. degree with distinction from Northwestern University in 1965.

**Dr. M.H. Samitz**, emeritus professor of dermatology, was elected president of the Foundation for International Dermatologic Education (FIDE) at its September 23 meeting in New Orleans. Samitz was also recently honored as the Luis Guerrero Lecturer at the University of Santo Tomas, Manila, Philippines. He is in Manila for three weeks as a visiting professor.

**Eduardo D. Glandt**, assistant professor of chemical and biochemical engineering, received the 10th Victor K. LaMer Award of the American Chemical Society, Division of Colloid and Interface Science. The \$1,500 award honors Glandt for his theoretical research on gas adsorption. A graduate of the University of Buenos Aires, Argentina, Glandt received his Ph.D. from the University of Pennsylvania in 1977.

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## ON CAMPUS

Items for *On Campus* should reach the Almanac office by noon the Thursday preceding desired publication.

### November 8—18

#### 8 Thursday

**Coffee Hours:** The Modern Language College House hosts coffee and conversation hours for students of Italian and German at 4 p.m., Class of 1925 House.

**Lecture:** The microbiology department presents Dr. Ahmad Nukari of Cold Spring Harbor on *Transposition of Bacteriophage* at 11:30 a.m. in Room 163-64 Mezzanine, Medical School.

The Center for the Study of Art and Symbolic Behavior and the departments of folklore-folklore and anthropology present the second in a series of three lectures by Professor Masao Yamaguchi on *The Mythical Trickster and His Successors* at 7:30 p.m. in the Folklore Lounge, Logan Hall.

The department of South Asia regional studies features Dr. Richard Schechner of New York University on *Ramila* at 11 a.m. in Room 2, University Museum.

**Meeting:** The Off-Campus Tenants Association holds its organizational meeting at 8 p.m. in St Mary's Parish Hall, 3916 Locust Walk.

**Movie:** *Alea's Death of a Bureaucrat* is shown at 7:30 and 9:30 p.m. by the Neighborhood Film Project at International House. Admission is \$1.50.

**Seminar:** Reverend Festo Mutashobya of Tanzania leads the discussion of *Third World Missions to the United States* at this week's Brown Bag Lunch Seminar at noon, University Lutheran Church, 37th and Chestnut Streets. Call 387-2885 for information.

**Theater:** Quadramics continues its production of *Steam Bath* at 8 p.m. and runs through the weekend with shows on Friday at 8 p.m. and Saturday at 6:30 and 10 p.m. Admission is \$3.

#### 9 Friday

**Coffee Hours:** The Modern Language College House hosts coffee and conversation hours for students of French, Spanish, and Russian at 4 p.m., Class of 1925 House.

**Concert:** The University Symphony Orchestra plays Beethoven's *Leonore Overture No. 3*, Tchaikovsky's *Symphony No. 5*, and Webern's *Passacaglia* at 8:30 p.m. in Irvine Auditorium. Admission is free.

**Movie:** The Penn Union Council offers Bakshi's *Wizards* at 7:30 and 10 p.m., Room B-1, Fine Arts. Admission: \$1.

*Alea's Death of a Bureaucrat* is shown at 7:30 and 9:30

p.m. by the Neighborhood Film Project at International House. Admission is \$1.50.

**Sports:** Penn competes in the Regionals for women's field hockey through Saturday; Penn enters the Regionals for women's volleyball through Saturday; Penn's Figure Skating Group holds a session at 4 p.m., Class of '23 Rink. Penn plays Columbia in freshman football at 6 p.m. on Franklin Field; Penn takes on Navy in lightweight football at 2 p.m. on Franklin Field; Penn competes in the Ivy Championships for women's cross country at 4 p.m. on the Fairmount Park home course.



#### 10 Saturday

**Children's Programs:** The Institute of Contemporary Art presents the program *What is Real?* for members' children at 11 a.m. in the ICA Galleries.

**Concert:** The Folklife Center of International House presents Welsh folk music at 8 p.m. Admission is \$1.50 for House members and \$2.50 for others.

**Movies:** The Penn Union Council shows Ashby's *Harold and Maude* at 9:30 and DeBroca's *King of Hearts* at 7:30 and 9 p.m. in Irvine Auditorium. Admission: \$1.

**Sports:** Penn takes on Harvard in football at 1:30 p.m. at Harvard; Penn faces off against Dartmouth in women's field hockey at 11 a.m. on Franklin Field; Penn meets

Harvard in men's soccer at 11 a.m. at Harvard; Penn competes in the War Memorial Sailing Competition at SUNYMC through Sunday.

#### 11 Sunday

**Movie:** The University Museum Film Series presents Pontecorvo's *Burn* at 2:30 p.m. in Harrison Auditorium, University Museum.

**Seminar:** Dr. Kathryn Kopf leads this week's forum on *Women's Organizations in the Church* at 6 p.m., University Lutheran Church, 37th and Chestnut Streets. Supper at 5 p.m. is \$2. Call 387-2885 for information.

#### 12 Monday

**Lectures:** The Center for the Study of Aging presents Professor Otto Pollak on *Experiential Account of Aging* at 4 p.m. in Room 113, Nursing Education Building.

The department of chemical and biochemical engineering sponsors Professor D. M. Himmelblau of the University of Texas at Austin on *Facts and Folklore in Optimization* at 3:30 p.m. in Alumni Hall, Towne Building.

The Folklore-Folklore Colloquium features Angus Gillespie on *Folksongs and Coal Minors: The Life of George Korson* at 4 p.m. in the Folklore lounge, Logan Hall.

The Communications Colloquium presents Professor Eric A. Havelock of Yale University on *From Homer to Plato—The Coming of Literate Communication to Western Culture* at 4 p.m. in the Colloquium Room of the Annenberg School.

The department of history and sociology of science features Barbara A. Kimmelman on *The American Breeders Association: Agricultural Genetics and Eugenics in an Institutional Context, 1903-1913* and Jeffrey L. Sturchio on *Charles Chandler, The American Chemical Society, and Club Life in Gilded Age New York* at 4 p.m. in Room 107, Smith Hall.

#### 13 Tuesday

**Blood Drive:** The University Hospital sponsors a blood drive at Hill from 11 a.m. to 6 p.m.

**Lectures:** The psychology department features Dr. Robert Crowder of Yale University at 4:45 in Room B-21, Stiteler Hall.

The Graduate Group in Epidemiology presents Janet Cherry, Project Coordinator, on *Follow-Up of National Breast Cancer Detection Project Screenings* at noon in Conference Room 110, Nursing Education Building.

The Educational Linguistics Program of the Graduate School of Education presents Edward Plocha, of the





**Morton Benson:** *English-SerboCroatian Dictionary*. 699 pages. Philadelphia: University of Pennsylvania Press. \$35 (hardcover).

This dictionary presents an original lexical description of present-day English, especially of the American standard. The entries are translated into the Eastern variety of SerboCroatian. The lexicon includes many currently used compound nouns and compound verbs. The phonemic transcription describes American pronunciation; major British variants are also given. Benson is professor of Slavic languages.

**Carol P. Germain, R.N.:** *The Cancer Unit:*

*An Ethnography*. 235 pages. Wakefield, Mass.: Nursing Resources, Inc. \$12.95 (hardcover).

This research is a descriptive analysis of the subculture of an adult oncology (cancer) unit and an accredited urban community hospital. While emphasis is on role behavior of registered nurses and the problems and stresses they face in this setting, the study also deals with the hospital and its administration, physicians, patients, families, and social issues. Germain is associate professor of nursing.

**W. W. L. Lee:** *Decisions in Marine Mining, The Role of Preferences and Trade-Offs*. Cambridge: Ballinger Publishing.

This book presents a package of multi-dimensional, probabilistic, and multiperson project evaluation techniques, which are synthesized and experimentally tested for their usefulness to decision makers in the continental shelf sand and gravel mining.

The focus of the work is on the operational feasibility of these techniques in identifying and mediating the conflict of values that arises between exploitation of marine mineral deposits and concern for the marine environment. Because the focus is on features common to so many resources management problems, these techniques are useful in a wide variety of situations. Lee is assistant professor of civil and urban engineering.

**John A. McCarthy:** *Christoph Martin Wieland*. 192 pages. Boston: Twayne Publishers. \$12.95 (hardcover).

This study is designed to indicate how and why Wieland came to play one of the most influential roles in eighteenth century German literary life. It is to be read, therefore, not only as a critical biography of the man but also as a running commentary of the author's reception by his contemporaries and by modern critics. McCarthy is associate professor of German.

Polish American Affairs Council, speaking on *The Polish American Community* at the Graduate School of Education Room C-43 from 7-9 p.m.

**Seminars:** Dr. Susanna Dodgson leads this week's Respiratory Physiology Seminar on *Mitochondrial Carbonic Anhydrase* at 12:30 p.m. in the physiology library, Richards Building.

The physical therapy department features Professor Mary Joan Day on *The Elusive Rostral Projections of the Vestibular System* at 11 a.m. in Room 212, Nurses Education Building.

## 14 Wednesday

**Concert:** The Penn Union Council presents Ravi Shankar at 9 p.m. in Harrison Auditorium, University Museum. Admission is \$6.50 with University I.D.

**Lectures:** The geology department features Dr. Gerald M. Friedman of Rensselaer Polytechnic Institute on *Recognition of Post-Paleozoic Reefs: An Experience in Frustration* at 4 p.m. in Room 104, Hayden Hall.

The Oriental studies department sponsors Professor Joshua Blau of the University of Jerusalem on *The Revival of Hebrew in the Light of the Revival of Literary Arabic* at 4:15 p.m. in East Lounge, Williams Hall.

The Student Lecture Series of the Graduate School of Fine Arts features Anthony Vidler at 6:30 p.m. in Alumni Hall, Towne Building.

The Center for the Study of Art and Symbolic Behavior presents the fourth in a series of lectures by Professor Arthur Danto on *Metaphor* at 4 p.m. in Room G-20, Annenberg School.

**Movies:** The Exploratory Cinema offers Antonioni's *N.U.*, Agee, Levitt, and Loeb's *In the Street*, and Meyers' *The Quiet One* at 7 and 9:30 p.m. in Annenberg's Studio Theater. Admission is \$1 for students with I.D. cards and \$2 for others.

**Museum Tours:** The University Museum sponsors weekly guided tours of its collections at 1 p.m. Admission is free but a \$1 contribution is suggested.

**Poetry Reading:** The department of English features Stanley Plumly at 4 p.m. in the Philomathean halls, fourth floor, College Hall.

**Seminar:** The Wharton Graduate Alumni Affairs sponsors a seminar on the *Legal Rights of Women* with Nancy Shurtz at 5 p.m. in the Faculty Club. The fee is \$15 for alumni, \$25 for others.

## 15 Thursday

**Blood Drive:** The University Hospital sponsors a blood drive at the Kappa Sigma fraternity from 11 a.m. to 5 p.m.

**Coffee Hours:** The Modern Language College House

hosts coffee and conversation hours for students of Italian and German at 4 p.m., Class of 1925 House.

**Lecture:** The Center for the Study of Art and Symbolic Behavior and the departments of folklore-folklife and anthropology present the last in a series of lectures by Professor Masao Yamguchi on *Scapegoating* at 7:30 p.m. in the Folklore Lounge, Logan Hall.

**Movie:** The Italian Studies Center offers Rosi's *Salvatore Giuliano* at 8 p.m. in Irvine Auditorium. A \$1 donation is requested.

**Seminar:** Dr. Robert Bornemann of the Lutheran Theological Seminary leads this week's Brown Bag Lunch Seminar on *New Views of the Hebrew Scriptures* at noon, University Lutheran Church, 37th and Chestnut Streets.

**Theater:** The Marygold Theater Company presents *Good News* at 8 p.m. in the Parish Hall of St. Mary's Church, 3916 Locust Walk. The show runs through Saturday. Admission is \$3.

## 16 Friday

**Coffee Hours:** The Modern Language College House hosts coffee and conversation hours for students of French, Spanish and Russian at 4 p.m., Class of 1925 House.

**Concert:** The University Choir sings works by Bach, Polenc, Josquin, Vinders, and Haydn at 8:30 p.m. Tabernacle Church, 3700 Chestnut Street. Admission: free.

**Sports:** Penn meets Dartmouth in men's soccer at 8:15 p.m. on Franklin Field.

**Theater:** The Paper Bag Players perform *Mama's Got a Job* in the Annenberg Center's Theater for Children Series. Call Ext. 6791 for information.

## 17 Saturday

**Movies:** The Penn Union Council offers Rash's *The Buddy Holly Story* at 7 and 9:30 p.m. and Chandler's *The Big Sleep* at midnight in Irvine Auditorium. Admission is \$1 and 75¢ for midnight shows.

**Sports:** Penn takes on Dartmouth in football at 1:30 p.m. on Franklin Field; Penn competes in sailing in the Fiske Harriman Sleigh at Coast Guard.

**Theater:** The Penn Union Council presents the comedy troupe *Second City* at 8 and 11 p.m. in the Houston Hall Auditorium. Admission is \$4 with University I.D., \$5.50 without.

The Paper Bag Players perform *Mama's Got a Job* in the Annenberg Center's Theater for Children Series. Call Ext. 6791 for information.

## 18 Sunday

**Movie:** The University Museum Film Series shows *History of Jazz* at 2:30 p.m. in Harrison Auditorium, University Museum. Admission: free.

**Sports:** Penn competes in the National Championships for women's cross country.



# Somewhat Gloomily Yours, Charles Addams

*'New Yorker' cartoonist brings his bizarre humor to Penn*

*Three scientists are examining plants in a dense tropical jungle. Says the first to the second, who's bent over a rare specimen, "Have you got a minute, Dr. Headley? We may have found a new carvororous specimen." Behind him, a huge plant with tentacle-like leaves has just grabbed and devoured their colleague.*

As cartoonist Charles Addams explains it, his father registered his displeasure with the son's chosen occupation with this remark: "I don't know if I'm happy with the direction that Charles' mind is taking."

The direction taken exhibits itself in Addams' macabre sense of humor that mixes the known with the unfathomable, the commonplace with the mysterious.

As a cartoonist for *The New Yorker* for more than 40 years, Addams is the creator of several hundred cartoons, a small exhibition of which opened last week at Penn's Faculty Club. And Addams, who attended Penn in 1930-31, was there to talk about himself and his work.

Most Addams cartoons are characterized by their creator's bizarre sense of humor that twists the perfectly normal with the abnormal, leaving the poor soul in the cartoon—and the reader—incredulous. I know this can't happen, one thinks, and yet...

Take, for example, the cartoon in which the pest exterminator is greeted at the door of a pleasant suburban home by a giant insect.

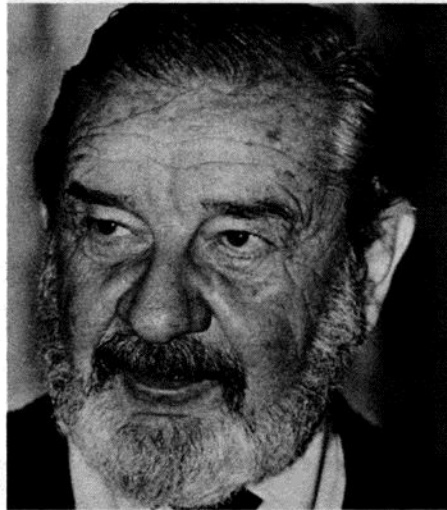
Or the two-paneled cartoon in which the court jester says to the king, "Now, stop me if you've heard this one..." The next panel finds the jester manacled to the dungeon wall.

Or the one that Addams described as his favorite:

"An octopus has come up out of a manhole in New York City and grabbed a passer-by. The passer-by is beating the octopus over the head with his umbrella to loosen its grip, and a crowd gathers to watch. No one helps him, and one on-looker says, 'A crowd will gather for almost anything in New York.'

"I like the idea of thinking there's an octopus under there all the time," Addams chuckled. He admitted to a "morbid suspicion" that an octopus or two may indeed lurk in the Big Apple's drainage system.

In addition to octopi and carnivorous plants, Addams cartoons are seasoned with a variety of weird and unusual characters:



witches, mummies, dwarves, vampires, unicorns and assorted freaks. While this is the raw material of fairy tales, these are fairy tales for adults, stories that never end "happily ever after" but enigmatically.

*Driving down a country road, a motorist encounters a warning sign: "Bouncing balls. Next 3 miles." On the road ahead of him, are balls in all shapes and sizes—basketballs, footballs, golf balls, tennis balls—all bouncing like, well, bouncing balls.*

Cartoonists are rarely considered serious artists by the art world, yet Addams seemed nonplussed by this distinction. "I don't think what I do is any less good because it happens to be funny," he said. "I'm not saying cartoons are great art, but they're not as low on the art ladder as some people think."

Inspiration for his work comes "from doodling with a blank piece of paper." While it may take Addams only 15 minutes to sketch out an idea once conceived, conception is the most difficult part.



Influences come from a variety of sources: art, contemporary events, suggestions mailed to him "from people with a lot more gruesome ideas than mine," Addams said. All these influences "build up in your mind" where they're synthesized into "something that would make a good cartoon," he said. He likes to deal with social, topical subjects but admitted that he had "never done a political cartoon."

Do friends and acquaintances ever find their way into Addams' cartoons? "Of course, I always remember people I've seen," Addams explained. "My friends do show up in my work but it's more of an attitude than how someone looks." In a bit of whimsy, Addams said when drawing graveyards he puts the names of friends on the tombstones.

*While walking down the street, a man encounters a sign and a tin cup, floating, apparently, in thin air. The sign—the property of an invisible panhandler—reads "Be thankful you can be seen. God bless you."*

Although Addams' topics border on the sinister and the spooky, in person he is nothing of the sort. "I did have a very happy childhood," Addams said. "Although I suppose it would be more interesting if I hadn't."

Born in Westfield, New Jersey, in January 1912, Addams said his childhood was full of the usual boyish pranks. He went off to Colgate University in the fall of 1929 because "practically everyone in Westfield went to Colgate," but transferred to Penn because he wanted to take art courses. The year at Penn turned out to be first-year architecture instead of art, so the following year he attended the Grand Central School of Art in New York City.

He sold his first cartoon to *The New Yorker* in 1933. Three years later he had become a regular contributor with his work appearing in every second or third issue.

Today, at an age when most people retire, Addams is still working on cartoons and, he said, selling even more of them to *The New Yorker*.

*Inside a waiting room, sit four men each wearing a T-shirt with a message emblazoned across the chest. One reads "Godot," another "Til the sun shines, Nellie," the third "Lefty," and the fourth, "the Robert E. Lee."*

—C. Anne Vitullo

8 November 1979



## Appointments

Following are Appointments approved by the trustees between May 15, 1979 and June 14, 1979. They are based on actions taken by the Provost's Staff Conference. A bullet (•) before a standing faculty name indicates that the faculty member achieved tenure. Under the listings for secondary appointments, the primary appointment appears within parentheses. For a description of the structure of the academic staff and definitions of standing and associated faculty, refer to ALMANAC supplement, April 19, 1977, pp. IV-V ("Draft Revision of Basic Documents on Academic Governance at the University of Pennsylvania").

### Faculty of Arts and Sciences

#### Standing Faculty

Dr. Wendy Steiner, assistant professor of English.

#### Secondary Appointments

Ms. Setha Low (assistant professor of landscape architecture and regional planning) assistant professor of anthropology.

Dr. Daniel Rose (assistant professor of landscape architecture and regional planning) assistant professor of anthropology.

### Graduate School of Fine Arts

#### Standing Faculty

• Lee G. Copeland, professor of architecture and planning.

### School of Medicine

#### Standing Faculty

Dr. Jack W. London, associate professor of radiology.

#### Associated Faculty

Dr. Murray J. Stewart, visiting associate professor of anatomy.

#### Secondary Appointments

Dr. Abass Alavi (associate professor of radiology at the Hospital of the University of Pennsylvania) associate professor of radiology in neurology at the Hospital of the University of Pennsylvania.

Dr. Giulio J. D'Angio (professor of radiation therapy) professor of pediatrics and radiology.

Dr. Martin Reivich (professor of neurology) professor of neurology in radiology.

Dr. Philip C. Sagi (professor of sociology) professor of sociology in research medicine.

Dr. Paul D. Stolley (professor of medicine) professor of medicine in research medicine.

Dr. Bayard T. Storey (associate research professor of obstetrics and gynecology) associate professor of physiology.

#### Other Changes

Dr. Frances Adar from research assistant professor of biochemistry and biophysics to adjunct associate professor of biochemistry and biophysics in the associated faculty.

Dr. Ivan S. Cohen, from assistant professor of psychiatry to clinical assistant professor of psychiatry in the associated faculty.

Dr. Paul D. Stolley, from professor of research medicine to professor of medicine in the standing faculty.

Dr. Robert W. Colman, professor of medicine in the standing faculty, resigned as of November 30, 1978.

Dr. Selma A. Balaban, assistant professor of radiology in the standing faculty, resigned as of June 30, 1979.

### School of Public and Urban Policy

Dr. Anthony Boardman, assistant professor of public policy in the standing faculty, resigned as of June 30, 1979.

### School of Veterinary Medicine

#### Other Changes

Dr. Laurence S. Cushing, from associate professor of surgery in clinical studies in the standing faculty to adjunct associate professor of surgery in the associated faculty.

### Wharton School

#### Standing Faculty

Dr. Aris A. Protopadakis, assistant professor of finance.

Dr. Scott Harrington, assistant professor of insurance.

#### Secondary Appointment

Dr. Thomas Dunfee (professor of legal studies) professor of marketing.

#### Other Changes

Dr. George M. Parks, associate professor of management in the standing faculty, resigned as of December 31, 1978.

## Promotions

The following Promotions were approved by the trustees between May 15, 1979 and June 14, 1979. They are based on actions taken by the Provost's Staff Conference. A bullet (•) before a standing faculty name indicates that the faculty member received tenure. Under the listings for promotions in secondary appointments, primary appointments appear within parentheses. For a description of the structure of the academic staff and definitions of standing and associated faculty, refer to ALMANAC supplement, April 19, 1977, pp. IV-V ("Draft Revision of Basic Documents on Academic Governance at the University of Pennsylvania").

### College of Engineering and Applied Science

#### Standing Faculty

• Dr. Portonovo Ayyaswamy to associate professor of mechanical engineering and applied mechanics.

• Dr. Norman I. Badler to associate professor of computer and information science.

### Faculty of Arts and Science

#### Standing Faculty

• Dr. Sandra Barnes to associate professor of anthropology.

Dr. Eugene W. Beier to professor of physics.

• Dr. Thomas H. Connolly to associate professor of music.

• Dr. David H. Dumville to associate professor of English.

• Dr. Germán Gullón to associate professor of Romance languages.

• Dr. Michael W. Meister to associate professor of the history of art.

• Dr. Ellen F. Prince to associate professor of linguistics.

Dr. Robert E. Ricklefs to professor of biology.

### School of Allied Medical Professions

#### Standing Faculty

• Dr. Charles Benson to associate professor of microbiology.

• Dr. Ruth Levanthal to associate professor of medical technology.

### School of Dental Medicine

#### Standing Faculty

• Dr. Norman Stoller to associate professor of periodontics.

#### Associated Faculty

• Dr. George Boudreau to clinical assistant professor of dental care systems.

### School of Medicine

#### Standing Faculty

Dr. Vidya Sagar Banka to associate professor of medicine.

Dr. Peter H. Berman to professor of neurology.

Dr. J. Kent Blasie to professor of biochemistry and biophysics.

Dr. Mark E. Josephson to associate professor of medicine.

Dr. Jack W. London to assistant professor of radiology.

Dr. S. Michael Phillips to associate professor of medicine.

Dr. H. Ralph Schumacher to professor of medicine.

Dr. Sanford J. Shattil to associate professor of medicine.

#### Associated Faculty

Dr. Frances R. Batzer to clinical assistant professor of obstetrics and gynecology.

Dr. John S. Barrett to clinical assistant professor of medicine.

Dr. Laurence H. Beck to associate professor of medicine at the Hospital of the University of Pennsylvania in the clinician-educator track.

Dr. Eduardo Bonilla to research associate professor of neurology.

Dr. Joseph M. Campos to adjunct assistant professor of microbiology in pediatrics.

Dr. Peter A. Cassileth to professor of medicine at the Hospital of the University of Pennsylvania.

Dr. Robert H. Cram to clinical professor of orthopaedic surgery.

Dr. Dennis W. Cronin to clinical assistant professor of surgery.

Dr. Ella Haugaard to associate professor of pharmacology.

Dr. George A. Hermann to clinical associate professor of pathology.

Dr. Gary S. Hill to adjunct associate professor of pathology.

Dr. Richard B. Keohane to clinical assistant professor of radiology.

Dr. John B. Kucharczuk to clinical assistant professor of obstetrics and gynecology.

Dr. Marie G. Latour to clinical assistant professor of radiology.

Dr. Roberth M. Lavker to research assistant professor of dermatology.

Dr. Santo V. Nicosia to research associate professor of obstetrics and gynecology.

Dr. James E. Nixon to clinical professor of orthopaedic surgery.

Dr. Justin L. Parr to adjunct assistant professor of pathology.

Dr. David L. Paskin to clinical associate professor of surgery.

Dr. Robert L. Sadoff to clinical professor of psychiatry.

Dr. Frederic T. Serota to clinical assistant professor of pediatrics.

Dr. William H. Simon to clinical associate professor of orthopaedic surgery.

Dr. Wilbur C. Tucker to clinical assistant professor of obstetrics and gynecology.

Dr. Robert E. Weibel to research professor of pediatrics.

### School of Veterinary Medicine

#### Standing Faculty

Dr. Elaine P. Hammel to associate professor of medicine in clinical medicine.

### The Wharton School

#### Standing Faculty

Dr. Bernard E. Anderson to assistant professor of insurance.

Dr. Robert Edelstein to professor of finance.

Dr. Marshall Fisher to professor of decision sciences.

Dr. Sanford Grossman to professor of finance.

• Dr. Abba Krieger to associate professor of statistics.

(continued on page 8)





(continued from previous page)

## Leaves

The following Leaves were approved by the trustees between May 15, 1979 and June 14, 1979. Editor's note: Individual faculty members sometimes reschedule their leaves after formal approval, and this may not be reflected in the listing below.

### College of Engineering and Applied Science

Dr. George L. Schrenk, associate professor of mechanical engineering and applied mechanics, on a scholarly leave of absence (spring 1980).

### Faculty of Arts and Science

Dr. Constantine Azariadis, associate professor of economics, for employment elsewhere (spring 1980).

Dr. Richard R. Beeman, associate professor of history, for employment elsewhere (spring 1980).

Dr. John Cebra, professor of biology, for employment elsewhere (spring 1980).

Carlos Fuentes, adjunct professor of English and Romance languages, on a scholarly leave of absence (spring 1980).

Dr. Ward H. Goodenough, professor of anthropology, on a scholarly leave of absence (spring 1980).

Dr. Robert M. Hartwell, professor of history, for employment elsewhere (spring 1980).

Dr. Lucinda M. Lewis, assistant professor of economics, for employment elsewhere (spring 1980).

Dr. John A. McCarthy, associate professor of German, on a scholarly leave of absence (spring 1980).

Philip Roth, adjunct professor of English, on a scholarly leave of absence (spring 1980).

Dr. Laurence S. Seidman, assistant professor of economics, for employment elsewhere (spring 1980).

Dr. James A. Spady, assistant professor of political science, on a scholarly leave of absence (spring 1980).

Dr. John F. Szwed, professor of folklore and folklife, for employment elsewhere (spring 1980).

### Graduate School of Fine Arts

Dr. Norman Glickman, associate professor of city and regional planning, for employment elsewhere (spring 1980).

### Graduate School of Education

Dr. Daniel Wagner, assistant professor of education, on a scholarly leave of absence (spring 1980).

### Law School

Alvin C. Warren, professor of law, for personal reasons (spring 1980).

### School of Veterinary Medicine

Dr. Dudley E. Johnston, professor of surgery, on a scholarly leave of absence (spring 1980).

### Wharton School

Dr. Bernard E. Anderson, for employment elsewhere.

Dr. Robert Edelstein, professor of finance, on a scholarly leave of absence (spring 1980).

Dr. Jay R. Galbraith, professor of management, for employment elsewhere (spring 1980).

Dr. Robert P. Inman, associate professor of finance, on a scholarly leave of absence (spring/fall 1980).

Dr. Howard E. Winklevoss, associate professor of insurance (spring 1980).

## Hearings List

### Term expiring September 30, 1980

Lucy E. Creevey (city and regional planning)  
Ahmet Evin (Oriental studies)  
Ellen Golub (English)  
William R. Graham (engineering)  
William Hanaway (Oriental studies)  
Edward Irving (English)  
Leena Mela (medicine)  
Wallace Miller (radiology)  
Carroll Smith-Rosenberg (history)  
Bernard Wailes (anthropology)  
Roger H. Walmsley (physics)

### Term expiring September 30, 1981

Roger M. A. Allen (Oriental studies)  
Lucienne Frappier-Mazur (romance languages)  
Lila Gleitman (education)  
Robert Hanna (landscape architecture)  
Peggy Sanday (anthropology)  
Cecil Striker (history of art)  
Joseph R. Washington (religious studies)  
James Wheeler (medicine)  
Oliver R. Williamson (political science)

### Term expiring September 30, 1982

Alan T. Cathcart (law)  
Elizabeth Dussan (chemical and biochemical engineering)  
Carol P. Germain (nursing)  
Peter G. Earle (Romance language)  
Wayne E. Howard (management)  
Janice Madden (regional science)  
Wilfred Malenbaum (economics)  
Phyllis R. Rackin (English in general honors)  
Legal Officer: James H. Manning, Jr.,  
term expiring September 30, 1981

The faculty grievance procedures can be found on pages 68-77 of the *Handbook for Faculty and Administration* (1979) and in ALMANAC 11/21/78 and 12/5/78.

The University Council Committee on Undergraduate Admissions and Financial Aid invites commentary by students, faculty, and staff on any and all aspects of admissions and financial aid at the University. Send your comments to the committee chairman, Kenneth A. Fegley, 367 Morre/D2.

## Hiring Procedures Modified

Effective October 22, 1979, the procedures for hiring all non-faculty personnel will be modified to require two distinct actions by the Hiring Review Committee: approval to search and approval to hire.

As has been the case for nearly two years, each request for employee services must be submitted to the Committee for review. If approved, the position is posted for filling. A new step has been added, however, that will require the approval of the Hiring Review Committee to fill the position once a particular individual has been selected and before a commitment has been made. Such approval will be granted if: a) affirmative action requirements have been met; b) the proposed salary is consonant with University policy, and; c) the Budget Office has verified that the position is properly budgeted.

Every effort will be made to expedite this second approval process. For example, the Budget Office will verify the budget information while the search is being conducted. The approval to hire (as distinguished from the approval to search) will be given in response to the Statement of Compliance form for A-1 positions and as part of the normal salary setting process for other positions. This approval will be in the form of a code number that must be included on the upper right hand corner of the appointed PAF in order for it to be processed. A new Request for Employee Services Form is enclosed with this letter.

—Jon C. Strauss  
Vice President  
Budget and Finance

## Girifalco Heads Space Committee

Provost Gregorian has appointed a Space Committee for 1979-1980 to be chaired by Vice Provost for Research Louis A. Girifalco. The committee will review all proposals involving the moving of offices, renovations and requests for new space. It will then transmit its recommendations to the Provost and the Capital Council. Other members of the committee are: Walter D. Bonner, professor of biochemistry and biophysics; Manuel Doxer, executive director of administrative services, office of the provost; Charles F. Gross, law student; Harry J. Halley, associate dean for resource management, school of medicine; Titus D. Hewryk, director of facilities development; Guy R. Lounsbury, '80; Jack H. Nagel, associate professor of political science; James C. Saunders, associate professor of otorhinolaryngology; and Benjamin Shen, associate provost. Staff members include: Mary Jo Ambrose, assistant to the vice provost for research, and Robert Zimring, facilities information systems manager for facilities development.

## Faculty Grievance Commission 1979-80

### Term expiring September 30, 1980

Chair: James E. Walter (finance)  
Chair-elect: Marten S. Estey (management)  
Past Chair: Robert Summers (economics)





## University Committee on Recreation and Intercollegiate Athletics

Because of the situation which developed on campus during the spring of 1978 when cutbacks were made in the athletic program, the committee had intended this year to study "criteria for choice" in the modification of any of our current athletic programs, and from such a study to develop policies consonant with our present situation. The resignation of Andy Geiger as director of recreation and intercollegiate athletics forced a change in our plans and created a hectic but interesting year.

Before a selection committee could actively recruit a new director, it was necessary to update and more closely define what our actual policies are with regard to recreational and intercollegiate athletics. The president and provost sought the advice of our committee, among others, in this matter. Working against an almost impossible deadline, our committee made the following recommendations:

1. We should remain within the Ivy Group. Because there was no data available on campus priorities and attitudes, we could not agree on whether to concentrate on a smaller number of sports than we now do or to continue participation on a "broad spectrum" basis. We encourage our president and other Ivy Group presidents in efforts to minimize tendencies towards professionalism in our intercollegiate sports programs.

2. We recommend levels of support for our recreational programs that will allow them to prosper and adequately serve the academic community. (Currently there are 19 club sports involving 750 participants; 22 intramural sports with 990 teams and 11,750 participants—perhaps 6000 different persons; and 2400 participants per day in other recreational activities.)

3. We recommend that the director of recreation and intercollegiate athletics report directly to the provost. Reporting directly to the president would create an undesirable asymmetry with respect to academic programs, while reporting to a vice-provost could produce undesirable isolation of the provost from an important part of student life.

4. We recommend that general aspects of the budgets for recreation and intercollegiate athletics be made available to the university community and that the budgeting procedures be modified to show the real costs of the various programs; currently, the total costs for recreation do not appear directly on the budgets for DRIA.

5. We recommend that the subvention currently being applied to the non-salaried portion of the DRIA budget be frozen at its present level for a five-year period; any additional expenses in this portion of the budget, including those due to inflation, must be met by fund-raising activities specifically related to athletics, and that these activities be coordinated with those of the development office. Salaries in DRIA would be increased in the same way as salaries in other areas of the University.

6. We recommend that a study be conducted on campus attitudes and priorities concerning athletics similar to the survey recently completed at Stanford. The committee has been impressed with the diversity of personal opinions concerning athletics and the scarcity of information reflecting "average" campus attitudes.

7. We recommend that when a new policy on athletics is developed, it should be carried out over an extended period, say five years; this should remove much of the confusion and uncertainty concerning athletics that exist both within DRIA and the overall community.

The committee approved the elevation of men's volleyball to varsity status but with severe restrictions on financial obligations; no other sports will be considered for varsity status until a more detailed policy on intercollegiate athletics is developed.

An athletic facilities subcommittee, chaired by Mr. Hunter Lott, was approved; this will be a standing committee consisting of faculty, alumni, trustees, students, and administrators that will be active in working with the development office in raising funds for

various athletic needs; priorities for fund raising will be done in conjunction with the University Committee on Recreational and Intercollegiate Athletics.

The committee was taken on a tour of the athletic facilities which are most impressive; it is hoped that this will continue on a yearly basis. Another meeting was held jointly with coaches and staff of DRIA, and we heard a talk by Professor Howard Brody on the physics of tennis rackets.

With the appointment of a new director of recreational and intercollegiate athletics (Mr. Charles Harris) the committee can return to the business it had expected to complete this year; we hope to initiate a survey to determine campus attitudes and priorities on athletics: recreational, intramural and sports club activities and intercollegiate. This information will be useful in priority decisions. We intend to examine also both the recent statement of the president and provost on athletic policy and the document of the Senate Advisory Committee entitled "Athletic Policy." We will, of course, work closely with Mr. Harris on new programs he may wish to initiate.

—Thomas W. Wood, Chair

## Committee on Community Relations

Major areas of concern on the part of committee members were gradually articulated during the course of the academic year, resulting in the decision by a majority of committee members that they would serve during the 1979-80 academic year as well, given the opportunity.

Included in the evolving decisions regarding the University and its relationship to its geographical community were: environmental problems affecting West Philadelphia, especially pollution; a general plan for community development since West Philadelphia has been disregarded by Philadelphia city planners; need for a University/community plan to improve the area without pushing out all low-income residents; broad access internally and externally to University resources; more continuing education made available to community residents; greater visibility of the University through information services in the community.

The half-time appointment of Tom Corl as director of community relations in November accelerated the work of the committee and began to make possible projects planned earlier. A directory of University-based services was recommended as a priority by the committee. Through Corl's, office a number of functions previously carried by the committee can be implemented: 1) development of a planning process for the University's community relations; 2) clearing house functions; 3) extension services to community; 4) vehicle for expanding the University's sense of responsibility to the community.

Ron Bond and Steve Goff apprised the committee regularly of the activities in their respective areas.

Marion Pond serviced the committee with extensive and excellent minutes, bringing in materials from community institutions as resources as well.

The committee plans to report early in academic year '79-'80 to the Council so that more of its planning can be actualized.

Louise P. Shoemaker, Chair

## Honorary Degrees Committee

A total of six meetings was held from October 5 to November 30, so that the Trustees and the administration would have sufficient time to communicate with the candidates finally selected and to hear from them. All names had to be approved in the end by the Trustees.

The number of possible candidates considered and discussed came to 89. Finally, 12 names were chosen to be transmitted to the Trustees. Of these 12, six were invited to accept the degree and of these, three were able to accept.

As in the past, honorary degrees were to be awarded to the baccalaureate speaker and to the speaker at commencement.

—Judah Goldin, Chair

# OPPORTUNITIES

The following listings are condensed from the personnel office's bulletin of November 1. Because of the delay occasioned by printing schedules, these listings should not be considered official. Some of the positions may no longer be available. Bulletin boards at several campus locations list full job descriptions. For further information, call personnel services, Ext. 7285. The University of Pennsylvania is an equal opportunity employer. Where qualifications include formal education or training, significant experience in the field may be substituted. The two figures in salary listings show minimum starting salary and maximum starting salary (midpoint). An asterisk (\*) before a job title indicates that the department is considering promoting from within.

## Administrative/Professional

**\*Assignment Officer** (2636) assists in the planning, operation, and evaluation of the assignment/billing system; explains procedures to staff; monitors all systems (bachelor's degree) \$10,375-\$14,375.

**Assistant to the Associate Provost** (2573) helps plan and maintain academic programs and budgets (Ph.D., M.B.A., or terminal degree) Salary to be determined.

**Assistant Controller of Physical Plant** (two positions) assists operating accounting functions and managing personnel (B.A. in accounting with budget, audit, finance, and statistics course work) Salary to be determined.

**Assistant Director** (2569) collects and analyzes energy data for the University conservation program data base, performs technical analyses of various conservation projects, and assists in the formulation and implementation of special procedures for energy calendar management (degree in architecture, mechanical, or electrical engineering, knowledge of Fortran, APL, or Mark IV helpful) Salary to be determined.

**Assistant to the Director, Annual Giving** (2607) encourages large gift totals, cultivates and solicits major gift prospects, coordinates design and writing of solicitation material (3 years direct fund raising preferred, graduation from recognized college or university, preferably Pennsylvania) \$10,375-\$14,375.

**Assistant Director, Annual Giving III** (2633) plans and administers annual giving programs for graduate and professional schools; presents programs to alumni groups (college degree, three years' fund-raising experience; ability to direct large-scale volunteer programs) \$12,900-\$17,850.

**Assistant Director for Personnel Relations** (2638) interviews, screens, refers and assists in the selection of applicants; counsels employees (college degree in business administration, personnel relations, or liberal arts or equivalent experience) \$11,250-\$15,850.

**Assistant to the Vice-President of Commonwealth Relations** (2542) helps represent the University's interests to the General Assembly, the Governor's office, civic organizations, the school board, et al. (B.A., preferably from Penn, teaching, academic administration, and/or administration of student activities experience; familiarity with socioeconomic and political problems of the Commonwealth) \$16,125-\$22,725.

**Associate Development Officer II** (two positions) (2518) manages fund-raising program, implements corporate communications projects, prepares major gift appeals (three to five years' experience in public relations or promotional or fund-raising work); (2409) plans and implements fund-raising for professional schools, develops and implements cultivation, solicitation and stewardship techniques for various constituencies of the schools, liaison with deans and faculty of the schools to develop fund-raising objectives. (bachelor's degree, 3-5 years' experience in institutional fund-raising, public relations, or marketing) \$16,125-\$22,725.

**Associate Development Officer III** (2541) coordinates fund-raising activities, works with dean on campaign objectives, presents attractive programs to bring in funds (fund-raising experience in higher education and academic administration work) \$24,650-\$34,750.

**Assistant Director, Residence Unit** (2630) is responsible for all aspects of staffing, training and evaluation of Resident Advisors and Graduate Assistants; creates and maintains a resource of materials and contacts in the area of programming and counseling (master's degree in college student personnel administration or equivalent, residence hall experience) \$10,375-\$14,375.

**Associate Editor** (867) supervises institute's technical communications, edits scientific documents, procures photographic and printing services (B.A. in English, journalism, or related field, extensive writing and editorial experience, knowledge of scholarly research writing processes) Salary to be determined.

**Biostatistical Data Manager** (983) constructs and maintains computerized clinical data based on melanoma; prepares reports (experience in computer programming, statistical software, and medical base data management) Salary to be determined.

**Buyer** (two positions) is responsible for procurement of services, supplies, and equipment, prepares invitations to bid, determines capacities of vendors, interviews salesmen (business background desirable or comparable education, five years' experience in purchasing and procurement) \$12,900-\$17,850.

**Career Counselor** (2631) develops alumni advising and other career planning, implements career planning seminars and workshops; conducts job hunting strategy sessions (master's degree in student personnel, industrial relations, counseling or related field) \$12,900-\$17,850.

**Comptroller** (2403) maintains accounting systems and financial reports, monitors receipts and disbursements (advanced degree in accounting, five years' experience with financial and administrative duties) Salary to be determined.

**Clinic Director** (B41) supervises staff relevant to multidisciplinary research; administers clinical activities; screens patients and makes judgments regarding treatment; responsible for daily operation of clinic (DMD degree with board certification, five years' private practice experience; knowledge of University systems) \$28,325-\$39,950.

**Department Head II** supervises and operates technical services, acquisitions, cataloging, and serials; plans procedures, supervises work in technical services and photocopy input into on-line cataloging data base (M.A. in library science from ALA accredited school with medical, computer, and natural sciences background; three years' technical processing experience) \$14,850-\$20,550.

**Director** (two positions) (a) serves as chief executive officer of the trustees' publishing arm, plans budgets, contracts, editorial program, establishes basic production and marketing strategies (minimum of ten years' experience in publishing scholarly books, extensive knowledge of financial aspects, acquisition, editorial procedures, familiarity with shipping, printing, and promotion); (b-A992) directs a research center involved in the study of contracts and the management process. (M.B.A., D.B.A., or Ph.D. degree, ten or more years' experience with a leading management consulting firm) Salary to be determined.

**Director, Residence Unit** (2637) acts as a project leader for the modification or new design of a residence assignment information system (bachelor's degree; graduate work in administration or computer science preferred; two years' related experience in administration and computer systems) \$11,250-\$15,850.

**Editor Assistant** (B40) edits manuscripts, books, letters; proofreads; writes miscellaneous copy; prepares dummy copy for publication; deals with publishers; designs covers and brochures (thorough knowledge of English; appropriate college degree or editorial experience) \$10,375-\$14,375.

**Fiscal EDP Coordinator** (2415) handles systems planning, researches and designs approach to data generated within the organization (B.A. in business administration, experience with budgets, accounting, and data analyses procedures) \$12,900-\$17,850.

**Job Analyst** (2625) audits and classifies non-exempt positions; writes and revises job descriptions; assists in cost computational analysis; conducts salary surveys and analyzes results (college degree or equivalent experience; exposure to job evaluation and related salary administration activities) \$10,375-\$14,375.

**Junior Research Specialist** (five positions) (A643) assists with biochemical experiments, prepares and purifies membrane components, performs assays and binds them with radioactive material (B.S. in chemistry, biochemistry, or biology; research experience); (A896) performs biochemical analyses of subcellular fractions of bacteria, researches molecular aspects of bacteria pathogenicity (M.A. in biology or chemistry; two years' experience); (B26) prepares specimens, operates and calibrates instruments, orders and stocks laboratory supplies, makes routine use of column separation and gel electrophoresis techniques (B.S. in biochemistry or biology; experience in quantitative biochemical procedures); (B19) performs standard hematological tests. (college graduate; research/laboratory experience; biochemical or hematological background); (A945) fabricates electrodes, produces and tests microelectrodes for measuring pH, K<sup>+</sup>, CA<sup>2+</sup>, O<sub>2</sub>, and H<sup>+</sup>; responsible to PI (B.S. in biophysics or biochemistry) Applications will be considered after December 15. \$10,375-\$14,375.

**Personnel Relations Assistant** (2599) assists in the selection of job applicants and interviews for promotion within the University (B.A. in business administration, personnel administration, or liberal arts or specific work experience) \$11,250-\$15,850.

**Programmer Analyst I** (B2) conducts daily computer programming for projects, maintains records for ongoing studies in genetics of diabetes (B.A. in statistics, knowledge of FORTRAN) \$12,900-\$17,850.

**Programmer Analyst II** (two positions) (B25) defines and implements computer-related tasks, identifies issues of statistical methodology and analytic techniques for data analysis activities, translates research needs into data management and statistical programming tasks, selects appropriate statistical design and testing procedure for Center research projects (M.A. in sociology, economics or related field, strong quantitative emphasis, two years of statistics courses); (B22) develops and implements comprehensive systems programming, works with Project Investigators in statistical and computer processing (degree in mathematics or business administration, two years' systems programming, programming languages: Basic, Fortran, Assembly) \$14,850-\$20,550.

**Project Manager** (2433) develops application software, plans network expansion, deals with vendors, servicemen, and Uni-Coll technicians, trains operators, coordinates installations in physical plant (four years' experience with programming systems, programming languages, and heavy PLI and CICS on-line development) \$16,125-\$22,725.

**Regional Director of Admissions** (2592) is responsible for developing programs for the recruitment of secondary school students (college graduate with educational background and at least three years' experience) \$14,850-\$20,550.

**Research Coordinator** prepares clinical studies, directs research protocol, interviews patients, orders diagnostic procedures, collates clinical data (nursing skills, familiarity with hemodynamic monitoring equipment, and resuscitation procedures including cardiopulmonary and clinical studies) \$12,900-\$17,850.

**Research Specialist I** (five positions) (A957) designs and performs experiments on experimental demyelinating diseases in small animals (B.A., four years' experience in biology or immunology laboratory); (B31) collects data for the determination of amino acid sequence of a large protein, purifies proteins and peptides, makes amino acid analyses of protein and peptide hydrolysates, prepares peptides and determines their amino acid sequences (laboratory experience in liquid chromatography); (B46) performs biochemical and immunological assays, tissue cultures, scintillation counting; maintains cell lines; supervises technicians; collects and analyzes data; works with autoradiograph (knowledge of tissue culture and serological testing; B.A. or M.S. in biochemistry preferred); (B42) performs statistical analysis of two large data sets concerning employment, health and related variable in women; executes statistical package programs and collaborates in the design and interpretation of the analysis (experience with SAS or similar statistical package; experience in computer processing of large data sets) position available for one year only; (B27) works on immunology and electron microscopy for ongoing clinical research projects; fixes, stains and sections for EM; purifies and tests antibody specificity with immunodiffusion; performs immunofluorescent and immunoperoxidase staining; develops and submits proposals for research grant support (B.A. or B.S. in biology) \$11,250-\$15,850.

**Research Specialist II** (A682) designs and develops electronic systems for particle physics research (knowledge of modern digital electronics, experience with minicomputers) \$12,900-\$17,850.

**Research Specialist III** (four positions) (A958) makes cultures of blood, spinal fluid, and thymic lymphocytes and monocytes from patients with autoimmune diseases (B.A. in science geared to this position); (2544) maintains, troubleshoots, and repairs Bruker WP-250, NMR Spectrometer, JEOL-PS-100 NMR Spectrometer, Varian A-60A NMR Spectrometer (advanced degree in electronics, physics or chemistry or training with five years' experience in nuclear magnetic resonance spectroscopy); (B24) performs computer programming and data processing on clinical research projects, prepares and analyzes statistical reports. (M.A., M.S. in biostatistics or applied statistics, three to five years' experience, preferably in biomedical research); (B44) directs clinical research activities in aging, alcoholism and neuropsychology; reports to Principal Investigator/Medical Director; monitors budgets and hiring;



formulates policy and goals; designs experiments; analyzes research results; co-authors reports (special skills in design of experiments involving human subjects, especially pharmacologic; administration and scoring of neuropsychological measures; application of HBO; grant and paper writing; minimum B.A. in behavioral science; four years' experience) \$14,850-\$20,550.

**Secretary of the Corporation** is responsible to the president and the chairman of the trustees for trustee affairs and for commencement and special projects, assures staff support for the internal governance operations of the University and its committees (education and experience in academic, administrative, supervisory and communicative functions) Salary to be determined.

**Senior Systems Analyst (four positions)** (a) creates on-line data acquisitions systems for compatibility with other facilities; prepares programs for colliding beam experiments; consults on physics problems (Ph.D. in physical science, knowledge of Fortran on IBM + DEC, CDC computers and PDP II Macro and Graphics); (A918) submits program applications for series/1, evaluates application programs for series/2 assembler and data base applications (B.A., experience with Fortran and IBM equipment); (2072) prepares feasibility studies, systems designs, programming specification; trains user groups (B.A. in business, several years' experience in data processing and systems analyses, ability to design on-line, real-time computers); (B43) manages day-to-day operations; writes applications programs; develops data base management and statistical software; maintains a large, complex data base (knowledge of PL/I, Fortran, IBM, JCL and utilities; statistical packages such as SPSS or BMDP-77) \$16,125-\$22,725.

## Support Staff

**Abstractor I** (2603) maintains prospect records, updates prospect files from newspaper clippings, keeps files, types cards and forms (high school graduate, at least two years clerical experience) \$6,875-\$8,750.

**Administrative Assistant I (two positions)** (2565) takes dictation, types manuscripts, reports, grant applications; prepares budgets, maintains financial records; handles departmental purchasing and personnel forms and records (college degree desirable, shorthand, accurate typing, familiarity with medical vocabulary desirable); (2526) assists in preparation of schedules, orders materials, works on faculty evaluations, types large volume of correspondence, maintains files, handles telephone calls and appointments (high school graduate with college and/or medical experience, office experience, accurate, neat typing, command of the English language) \$7,975-\$10,150.

**Administrative Assistant II** (A808) maintains budget and employee time sheets, buys and leases equipment, schedules farm collections (minimum two years' college, business and accounting experience, typing) *New Bolton Center* \$8,625-\$10,950.

**Assistant Cashier** (2624) balances transactions daily; cashes checks or vouchers (graduation from high school; two years' cashiering experience) 37.5 hours per week \$6,825-\$8,675.

**Clerk I** prices, stocks, and arranges merchandise, takes inventory and performs other duties in various departments. (Knowledge of retail sales) Minimum wage.

**Data Control Clerk** (2522) organizes data for reports, maintains data files (experience in computer programming desirable, statistical data and research design) \$7,975-\$10,150.

**Editor, Office Automation** (2629) operates IBM 6 System 6 word processor, maintains files, keeps up to date log of work produced, orders supplies for system, assists in training back-up operator (experience with computer-based word processing systems, highly developed typing skills, ability to work with mathematical symbols and Greek characters) \$7,975-\$10,150.

**Electronic Technician Trainee** (A683) learns to design, assemble, test and troubleshoot modern digital electronic circuits (mechanical aptitude, high school or vocational school, preferably with courses in electronics) \$6,700-\$8,450.

**Electron Microscopy Technician II** (A913) processes a variety of granulocytic and reproductive tissues, performs routine electron microscopic duties, and prepares photographic projection prints (B.S. in biology, one year of experience as an electron microscope technician) \$9,650-\$12,225.

**Groom** (2618) cares for mares; feeds, waters, loads and unloads animals; assists herdsman in pasture and ground maintenance; repairs fences, rails; observes hospitalized animals; assists veterinarians (graduation from elementary school, one year's experience in the care and maintenance of large animals) *New Bolton Center* \$6,550-\$8,375.

**Junior Accountant** (2610) adjusts bills according to financial aid, collects payments, checks delinquencies, answers inquiries about billing (some college preferred, course work in accounting, good aptitude for clerical work and figures) \$7,975-\$10,150.

**MCST Operator** (2482) transcribes correspondence, types, operates various magnetic memory media (excellent typing, spelling, grammatical skills, experience in a word processing environment) \$7,425-\$9,450.

**Office Automation Operator** operates word processing equipment on computer-based system using remote control terminal, prepares drafts (highly developed typing skills, experience with standard and electric typewriters) \$6,875-\$8,750.

**Personnel Data Coordinator** (2626) assists University hiring officers in following affirmative action guidelines by coordinating and evaluating application and selection forms in the employment process (high school graduate; four years' personnel or administrative experience, or some college; ability to work well with people and detailed numerical reports; familiar with computers) \$9,275-\$11,800.

**Programmer I** programs applications software; writes, maintains, and documents programs for data acquisition, reduction, display, and instrument control on mini/micro computers (knowledge of DEC RT11 Macro, Fortran and TTL devices) \$9,275-\$11,800.

**Project Budget Assistant** (2555) assists business administrator in completing data and grant proposals, budgets, records, and expenditures; keeps summary sheets (some college or business school, good typing and bookkeeping skills, knowledge of University procedures) *New Bolton Center* \$7,975-\$10,150.

**Psychology Technician I (two positions)** (B32) assists in interviewing psychiatric patients, keeps record of ongoing clinical studies, assists patients with self-rating scales (B.A. in psychology or equivalent experience); (B34) assists with screening and selection of patients for tests; collects and performs simple laboratory tests; handles and analyzes data; organizes and coordinates study of psychotropic drug effects on the kidney (B.A. or B.S. in biological sciences or psychology; experience in coordination of clinical studies) \$9,650-\$12,225.

**Receptionist** (2629) screens and handles incoming telephone calls; provides information to students; greets visitors-faculty, staff, parents, students; assists the Executive Secretary in setting up meetings (pleasant telephone manner; initiative, sensitivity and ability to deal with the public; University and previous secretarial experience necessary) \$7,975-\$10,150.

**Recorder** (2588) handles general office functions, distributes information, assists with orientation, posts grades on transcripts, other projects related to grading system (two years' college, two years' experience in similar office, typing, dictaphone, organizational ability) \$7,425-\$9,450.

**Research Laboratory Technician I (four positions)** (A750) isolates and characterizes bacterial mutants, maintains stocks, performs bacterial genetic techniques and enzyme analyses (B.A. or medical training); (A971) sets up experiments, records data for small animals, assists in therapy sessions acting as an in-chamber patient assistant (B.A. in science and knowledge of hyperbaric medicine procedures preferred, one year laboratory aide experience); (A991) performs isolation of glucose for radiochemical assays; assists in experiments with animals; processes blood samples (three years' experience, ability to care for and handle animals); (B21) maintains lab, purifies proteins, column chromatography, gel electrophoresis, enzyme assays (chemistry through organic required) \$7,575-\$9,600.

**Research Laboratory Technician II (seven positions)** (2447) performs radioimmunoassay of thyroid hormones; general laboratory work (B.S. in biology or chemistry preferred); (A988) performs routine laboratory work; orders supplies; injects animals and removes tissue (B.S. in the sciences required, laboratory experience); (B9) grows virus in tissue culture, conducts serological tests including neutralization, CF, immunodiffusion and RIA, conducts *in vitro* lymphoblast transformation and cell-mediated cytotoxicity assays (B.A. in biology or physical sciences, ability to work with laboratory animals and knowledge of infectious agents); (868) performs blood and analysis for carbon monoxide, blood gas and pH measurements, routine

laboratory duties (B.S., experience in research setting, basic chemical skills); (B12) prepares and maintains lymphocyte cultures, assay of lymphocyte cultures for cytotoxicity and blastogenesis, lymphocyte separation, cell freezing (B.A. or B.S. in biology, microbiology or related field, one year direct laboratory research experience) *New Bolton Center*; (B35) injects small laboratory animals, performs usual laboratory chores. (B.S. in biology, chemistry or related areas) \$8,575-\$10,850.

**Research Laboratory Technician III (12 positions)** (A611) fabricates microelectrode and animal experiments with tissue measurements (B.A./B.S., prior experience preferred); (A911) prepares *in vitro* and *in vivo* studies and gastric analyses; uses dynographs, recorders, transducers; draws blood for samples (B.A. in life sciences, one year's experience with patients); (A693) prepares and uses tissue cultures, reagents and radioisotopes (B.S. in biology; sterile technique, tissue culture and hematology experience); (A941) performs immunofluorescent and cytotoxic studies of cultured peripheral and central nervous system cells, makes studies of cell-mediated immunity to isolate nervous system cells (academic background specifically directed to this specialty, laboratory experience essential); (A880) produces radio-pharmaceuticals labeled with short-lived isotopes (B.S. in chemistry, chemical engineering, physics, or biochemistry); (A736) prepares sterile media, enzyme assays, radioisotopes, enzyme purification (experience with tissue culture and general laboratory techniques, particularly sterile techniques); (B17) carries out acute animal experiments, physiological monitoring using polygraph equipment, prepares brains for autoradiography, maintains laboratory (biological science background including physiology, experience in a biological laboratory, interest in animal research); (B16) handles radioactive materials, uses atomic absorption spectrometer, and x-ray fluorescence, high pressure liquid chromatography, measures mitochondrial activity in bone and cartilage, performs trace element analysis (B.S. and knowledge of routine biochemistry); (B4) research in molecular genetics, use of recombinant DNA techniques, nucleic acid hybridization and gel electrophoresis (B.A. in biochemistry, biology, or chemistry); (B15) immunochemical and immunobiological techniques, tissue culture with human and animal cells (research or clinical lab experience, medical technology training helpful); (B36) prepares reagents, purifies and analyzes proteins, performs immunological tests of viral proteins. (degree in biology, chemistry, or related field); (2640) prepares organs and dissected parts for class and museum display; cares for anatomical museum, cadavers, preparation rooms; prepares rooms for classes; orders supplies (high school chemistry, physics and biology with further training in medical technology and/or comparative anatomy and biology) \$9,650-\$12,225.

**Research Machinist I** (B28) operates all standard metal working machine tools, fabricates, modifies, repairs, and assembles experimental apparatus (completion of four-year apprenticeship or equivalent experience, knowledge of shop mathematics and the working properties of all metals, alloys, and synthetic materials) \$9,525-\$12,200.

**Residence Hall Clerk** answers telephones, provides information, keeps records of maintenance work and reports any disturbance to security (high school, some college preferred, mature individual) \$7,425-\$9,425.

**Secretary II (19 positions)** \$6,875-\$8,750.

**Secretary III (13 positions)** \$7,425-\$9,450.

**Secretary Medical/Technical (six positions)** \$7,975-\$10,150.

**\*Supervisor, Accounts Payable** (2609) executes accounting procedures, schedules work in accordance with deadlines, distributes cost analyses and budget summaries (college course work in accounting, five to ten years' experience in an accounting department) \$9,250-\$11,750.

**Veterinary Anesthesia Technician II** (2581) manages research projects involving anesthetization of animals, instructs students and lower level technicians, may be assigned to emergency call, weekend and/or holiday duty (knowledge and technique in handling anesthesia equipment, biomedical education and previous experience with horses, at least two years' direct professional level experience in the specialty) *New Bolton Center* \$14,100-\$17,850.

**Word Processing, Secretary/Technician** operates Lexitron for scientific manuscripts, transcribes from dictating machine (excellent typing, word processing, and medical terminology) \$7,975-\$10,150.

## Hard-Hat at the Vet School

*Among other things, James Buchanan oversees construction of the new Small Animal Hospital*

In his office, which is tucked away around the corner from the heart station at Penn's Small Animal Hospital, Dr. James W. Buchanan keeps two hats. One is a sporty, light-gray felt model that fits the image of the suburbanite who lives with his wife and four children, spends one night a week as an assistant scoutmaster, and sings in the choir of the United Methodist Church of Narberth. The other is a white hard-hat which Buchanan wears to the construction site of the new Small Animal Hospital, where he functions as chairman of the building committee. Meeting with architects and contractors there, he tries to assure that the building, when completed, will fit the needs of the hospital.

"It is not the largest small animal hospital that has ever been built," he said, "but because of the small size of our lot, and its unusual shape, the building is taller than most veterinary hospitals. Because of that," he added, "one of the things we have to do is make sure that the building makes sense vertically as well as horizontally."

The role of building committee chairman takes up about half his time. The other half goes to his specialty, which is cardiology. Buchanan began studying cardiology while the idea of such a veterinary specialty was relatively new. One of the reasons he came to the University in 1960 was that at the time, Penn was the only school which offered a training program in this new field.

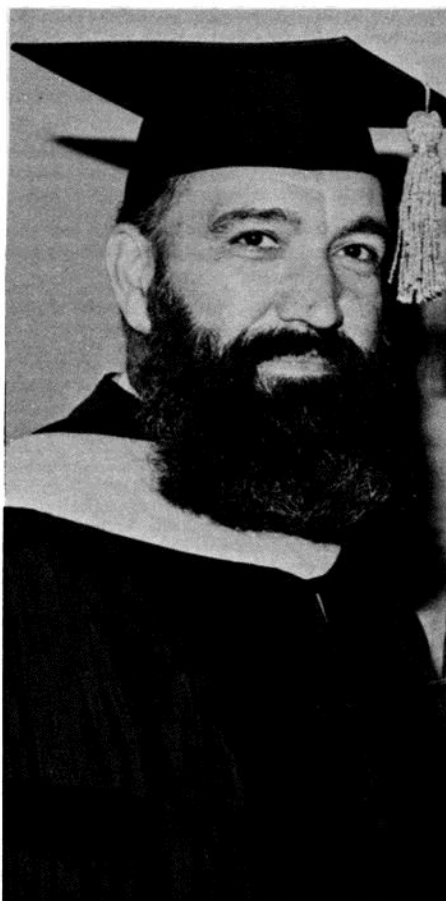
Heart disease is present in about 10 percent of all dogs admitted to the Small Animal Hospital, Buchanan said. "Another 10 percent have a murmur or something suspicious."

After nearly 20 years in the field, Buchanan has 65 journal articles to his credit, and he is president of the cardiology group of the American College of Veterinary Internal Medicine.

"Dogs do not have heart attacks in the same sense that people do," Buchanan said. Coronary occlusion is very rare. More frequently, dogs suffer from valvular fibrosis that leads to congestive heart failure.

Recently he has focused on a closer examination of genetically-related heart disease. Patent Ductus Arteriosus (PDA) the disease he is examining, is a common abnormality in dogs. Significantly, it is the most frequently found heart disease in children as well.

Last month Buchanan attended a meeting in Berlin, Germany, where he presented



*Dr. Buchanan...in yet another of his hats*

some of his findings on PDA to the World Small Animal Veterinary Association.

In his research he uses an audiovisual technique he developed in 1973 for displaying histological sections in three dimensions. In the role of teacher, he has produced seven instructional films.

Thursdays he takes students on cardiology rounds in the Small Animal Hospital, sees patients, and about every other week performs an operation. Tuesdays he visits the construction site of the new facility.

Last summer he went on a 2000-mile cross-country motorcycle trip with his 18-year-old son, Michael.

That, of course, involves another hat. Buchanan keeps his motorcycle helmet in a box at the back of his motorcycle, which is always parked in the hospital's courtyard.

—Max Lebow

## Summer Program Offers Job Counseling to Ph.D.'s

In response to the deepening job crisis facing persons with Ph.D.'s in the humanities and social sciences, the University will conduct a seven-week program of business orientation and job counseling during June and July 1980.

Since 1969 when doctoral candidates in the humanities and social sciences could expect several job offers in college or university teaching and research, the number of college-age students has begun to diminish, and teaching jobs for new Ph.D.'s have become scarce. Because the decline will continue, the job situation for Ph.D.'s is not likely to improve. (There were 4.3 million 18-year-olds in the U.S. in 1979; there will be 3.2 million in 1992.)

Ph.D.'s and A.B.D.'s (all but dissertation) in appropriate fields from all American universities will be eligible to participate in Penn's seven-week summer program. The curriculum, to be designed and taught by members of the Wharton School faculty, will include three intensive courses: accounting; control and statistics; managerial economics and finance; and marketing and administration. In addition, a series of seminars on career development will be offered by the University's placement office. While the program will include actual job interviews, there is no guarantee of employment.

Professor Peter Conn, graduate group chairman of the English department, has been appointed director of the program.

## PENN PEOPLE

*(continued from page 4)*

Professor Cecil L. Striker of the history of art department was elected to the Koldewey Gesellschaft, the German society for archaeological architectural research. He is the first American elected to the society.

Maurice English was appointed interim director of the University of Pennsylvania Press, succeeding Robert Erwin who resigned in August.

English was the founder of the Temple University Press and its director for 10 years. Prior to that he was a senior social sciences editor at the University of Chicago Press and in charge of its paperback publications.

Edward S. Cooper, professor of medicine, was honored by the Dr. Charles R. Drew Award Committee, a society that recognizes minority achievements in medicine, for his accomplishments in medicine. Dr. Cooper was the first black faculty member to achieve the rank of full professor in the School of Medicine.