

# Almanac

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*"University of Pennsylvania—Shanghai Jiao Tong Sign Agreement" translates the headline at left and the body language above. Left to right: Dean Bordogna, Vice President Deng, Dean Carroll.*

Photo by Martha Ledger  
Calligraphy by Eugene Liu

At a bilingual ceremony in the Faculty Club last Tuesday, two schools of the University joined Shanghai Jiao Tong University of the People's Republic of China in an agreement for educational exchange.

The School of Engineering and Applied Science and the Wharton School will assist Shanghai Jiao Tong with major reorganization involving its Engineering, Sciences, Management and Humanities schools—and specifically helping create a dual masters degree program in Management and Technology that awards both MBA and MS in Engineering degrees. The Chinese university expects to increase its enrollment in these schools "to a level of several hundred graduates," according to preliminary reports.

In return, Shanghai Jiao Tong will help with University of Pennsylvania scholarly activities in China—particularly those in trade, industry and agriculture; environ-

mental and political studies; social and natural sciences, and Chinese language, art and history.

Described as "one of the most important educational institutions in China" by the two Penn deans at the ceremony, Shanghai Jiao Tong has been designated by the People's Republic for expansion and modernization. It once had a college of administration and management in the past, according to Deng Xu-Chu, vice president of its University Council; it was discontinued for "a variety of reasons," he said.

For the past two-and-a-half years, CEAS Acting Dean Joseph Bordogna said, delegations have been going back and forth between China and the U.S., mostly in technology. "We decided to add management to the mix, since that is a focus at Penn that we have done quite well with." Wharton and SEAS have a four-year undergraduate pro-

gram in management and technology, plus the dual-degree program in management and engineering which is the model for Shanghai Jiao Tong's proposed one.

"In management," Dean Donald C. Carroll of the Wharton School said, "the United States and China have some of the same problems. The management of technology is pretty independent of political philosophy."

## INSIDE

- Bender on Faculty Compensation, page 2; response on page 3
- For Comment, A Draft Policy on External Issues, page 3
- Miller on the Investment Record, page 4
- Harrisburg and Other Reports, page 4
- A Master Calendar for Fall, pages 7-10
- On Strikes and Other News, page 11

## On Faculty Compensation

In the past Senate chairpersons have, from time to time, used the pages of *Almanac* to report to the University community on the activities and plans of the Senate (especially at the outset of the academic year), and to raise or discuss issues that concern the faculty. This practice has recently fallen into disuse. I would like to try to revive it now, as part of a general effort to make the Senate as representative as possible of faculty concerns and to strengthen the role the Senate can play in University governance and policy making.

The first report of the year would normally deal with Senate activities over the summer months. There are some fairly interesting matters to relate in this regard, but I am going to defer that for a week or two in order to devote this first report to the question of faculty compensation—a matter that, in my view, urgently requires effective faculty consideration and participation as early in the academic year as possible.

During each of the past several years the average salary increases for faculty members at the University of Pennsylvania have been significantly lower than the corresponding increase in the cost of living. This is true for the present year as well, even though our faculty has received an average raise of about 9% for 1980-81. As a result of this situation, the real wages of the faculty have steadily and substantially declined. This condition is not by any means unique to the University of Pennsylvania; it is nevertheless a cause for serious concern.

A Committee on the Economic Status of the Faculty was established by the Faculty Senate in 1971 to facilitate the representation of faculty interests in the University's budget process. Recently, the Committee became an elected one in an attempt to strengthen it as a body representative of faculty views. I have recently reviewed the reports of the Economic Status Committee for the last nine years, during which time the Committee has been chaired by James Sprague, William Gomberg, F. Gerard Adams, Jean Alter and Jerry Wind. In doing so, I was struck by the fact that identical concerns about faculty compensation and the budgetary process have been emphasized by the Committee year after year.

Each year the Committee has noted, with alarm, the erosion of real faculty income and the potential harm in this situation for the faculty and for the quality and future of the University. The Committee has also repeatedly recorded its dismay over the fact that faculty salaries appear to be treated as a residual item in the University's budget—that is, as an item to be satisfied with available funds after other, more "fixed" costs, are met. The Committee has steadily recommended that the budget process be reformed, so that adequate faculty salary increases can be given an earlier and higher priority. The Committee has repeatedly stressed the absence of, and need for, a long-term and principled approach to setting faculty salaries. It has complained frequently about the ineffectiveness of the University Budget Committee, about apparent failures of communication between itself and the University administration, and about its failure, in general, to have a significant impact on University budget decisions.

This is not to say that the University administration has been unmindful of the Committee's concerns and recommendations. Rather, the administration has listened patiently and sympathetically. (I know from my own experience has a member of the Committee that this was certainly true last year.) Constructive

responses to these recommendations have not, however, been generally forthcoming.

At this time I have no idea whether, given the available resources, and the competing legitimate and pressing demands on those resources, the University could possibly have been more generous to its faculty during the last decade. Nor am I entirely clear that the bureaucratic process by which salaries determined can, in fact, be reformed along the apparently sensible lines the Committee has suggested. However, it does seem to me to be quite unfortunate, to say the least, that the faculty's representatives have continued to make the same basic recommendations year after year, on a matter so closely affecting the welfare of the faculty and the University, with little or no tangible result. The issues, I think, are ripe for the kind of full faculty consideration that will imperatively call upon the administration either to accept the faculty's views—assuming that a faculty consensus emerges—or convincingly demonstrate why those views cannot or should not be implemented. The faculty has shown in the past that if it participates broadly and responsibly in such a discussion its views will be taken very seriously.

I therefore intend to recommend to the Senate Executive Committee, at its first meeting on September 10, that it place the procedural and substantive issues relating to faculty compensation policy as the principal agenda item for the fall Senate meeting, which is scheduled to take place on November 5. I have also asked David Cummins, the new chair of the Economic Status Committee, to begin the process of collecting relevant information and formulating proposals to put before that meeting. I hope also that *Almanac* can be used as a forum for the ongoing discussion; it has, for example, printed excellent statements by past Senate chairs Ralph Amado (*Almanac* 5/1/80) and Irving Kravis (*Almanac* 4/24/79).

The Senate Committee on Consultation has discussed these tentative plans with the president and the provost. They are receptive to our concerns and have undertaken both to respond to our requests for relevant information and to work with us in formulating a proposal for reform to lay before the Senate.

*Paul Bender*

*Almanac*

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EDITOR Karen C. Gaines  
ASSISTANT EDITOR C. Anne Vitullo  
EDITORIAL ASSISTANT Marguerite F. Miller  
DESIGN SERVICES Brenda Reed, Ms. Miller

ALMANAC ADVISORY BOARD Robert Lewis Shayon, chair; Herbert Callen, Fred Karush, Paul Bender, Charles Dwyer and Phoebe Leboy for the Faculty Senate... Morris Arnold for the Administration... Valerie Pena for the Librarians Assembly... Shirley Hill for the Administrative Assembly... A-3 Assembly representative to be named...

## Response on Compensation

*The President and the Provost reply to the Senate Chairman's comments:*

Professor Bender rightly points out the deterioration of faculty salaries in relation to the cost of living. The problem is extremely serious, and it is a national one at all universities. The modest relative gains of the University of Pennsylvania match neither inflation nor the rewards available to professionals in other parts of the economy. Furthermore, the entire staff of the University faces similar difficulties.

This is not the place to question the average figure Professor Bender uses on raises, nor the difference between total compensation and salaries per se. What we do wish to emphasize is Professor Bender's concluding paragraph in his statement. We indicated many weeks ago to the Senate leadership that we were analyzing the facts and delineating the issues; but more important, we are proposing the outline of a program to help overcome these problems. To this end we asked that the Senate meeting be as late in the fall as possible.

If the Senate and we can agree and succeed in such an effort—and in no way can we promise that we will—we shall have done what no other university has yet accomplished.

—Martin Meyerson and Vartan Gregorian

## Council: United Way, Judiciary

At the University Council's first fall meeting September 173, two issues are scheduled for discussion:

President Martin Meyerson will report on the United Way's adoption of new guidelines (reflecting University recommendations that would allow donors to earmark their gifts for non-United Way agencies), and will propose administrative procedures for implementing them here.

Steering Committee Chair Paul Bender will introduce the Committee's new draft revision of the Judiciary System. In its revision, the Steering Committee proposes a Judiciary for students only, and delineates the role of lawyers in proceedings. Council meets from 4 to 6 p.m. in the Furness Building.

## FOR COMMENT



## Institutional Response to External Issues (Draft)

*The Trustee Committee on University Responsibility has reviewed and approved the following draft statement, "Response by the University as an Institution to External Issues." It invites your written comments. Any you may have should be sent to the Committee in care of the University's General Counsel, Matthew Hall, at 109 College Hall/CO no later than October 1, 1980. The statement will be presented to the Trustees for action at their Stated Meeting on October 23.*

The University of Pennsylvania and universities in general have traditionally avoided taking positions on issues not directly related to their academic mission. There are several reasons for this historical stance:

1. A primary function of a university is to provide, protect, and nurture a forum for the free and open expression of ideas. If a university were to take positions on such issues, the exercise of free inquiry and expression by proponents of different positions within the university would be jeopardized.

2. A university is given a privileged status by society and government in recognition of its unbiased and nonpartisan pursuit of knowledge. Society does not expect and should not tolerate the privileged position it has granted universities to be used to advocate positions on issues unrelated to their academic mission.

3. Universities are not organized to formulate moral distinctions and urge them on others, and to do so may imperil their fundamental mission of learning, teaching, and encouraging debate and research on issues of moral, philosophical, national, and international interests.

4. An effort to reach an institutional consensus on an external issue in a diverse university community may place harmful strains on the institution's social, intellectual, and economic fabric.

5. Finally, a university should save its credibility and influence for those occasions when it must speak out to protect its own academic mission and role in society.

The strong presumption against taking institutional positions on exter-

nal issues may be inappropriate in certain unusual circumstances. Such is the case when the external issues affect the academic freedom of members of the University community as, for example, when a number of institutions opposed the investigative tactics of the late Senator Joe McCarthy. If, however, an issue does not closely relate to the mission of the University, the University of Pennsylvania will take institutional positions only under the most unusual circumstances and only on those issues which are of the greatest social concern and deal with the most fundamental human rights.\*

Once the University takes an institutional position, it should use with great circumspection the instruments available to it to effect the ends it seeks. In particular, it should use whatever economic influence may be at its disposal only in rare instances. With respect to its endowment, it should be recognized that the Trustees are tightly restricted by requirements of fiduciary responsibility. Its powers of moral and political persuasion should likewise be used sparingly and selectively.

The University of Pennsylvania encourages all its members to take an active role in influencing government and society according to the dictates of their individual consciences and to state individual positions on external issues. The University will provide and protect forums for the debate of issues to the maximum extent of its powers.

The refusal of the University to adopt the varied (and often conflicting) moral and political positions of certain individuals or organized groups within our community is not a dilution of anyone's individual rights, but rather it is a recognition of the fact that the University is a particularly fragile institution which could be harmed irrevocably by efforts to make it an advocate for partisan views—regardless of the sincerity and confidence of those holding such views.

\*An example of the University taking such a position is the policy with respect to South Africa adopted by the Trustees January 18, 1980.



## The Record of Investment of the Endowment

by Paul F. Miller

Questions are raised from time to time as to how the Trustees of the University of Pennsylvania manage the endowment funds of the University and, more specifically, as to how the investments have fared.

Over a decade ago, the approaching bankruptcy of our neighbor, the Penn Central Railroad, resulted in a loss to the University of about three million dollars. Partly because of this event, the Trustees sought to reorganize their investment management and strategy.

Pennsylvania's Revised Non-Profit Act of 1972 provided the means for reformulation by allowing universities to pursue an investment policy of total return (income plus capital gains). A common complaint of those days was that universities were following investment strategies that were too conservative.

The Trustees in the summer of 1972 created new organizational units to implement the total return approach and appointed three professional portfolio managers.

The managers started their work in late 1972 as the recession of that period was approaching. In 1973, moreover, the economy was jolted by the O.P.E.C. oil embargo which deepened the recession of 1973-1974. The result was that by changing the investment strategy to be more venturesome in 1972, the endowment suffered considerably during 1972-1974.

But since then, the University's record of investment portfolio management was strengthened. In June of 1975, as the University was preparing for the Program for the Eighties, our major fund drive, the Trustees established an Investment Board to be chaired by a Trustee of the University and to take over all investment responsibilities. The past chairmen have been Wesley A. Stanger, Jr., Director of MacKay-Shields Financial Corporation, and Julian S. Bers, President, Imperial Metal and Chemical Company. The present chairman is John B. Neff, Senior Vice President, Wellington Management Company. These outstanding financial figures have aided tremendously the performance of the University's investments.

During the five years since the establishment of the Investment Board, the pooled endowment—the Associated Investment Fund (A.I.F.)—of the University has had the following comparative record of total return according to the statistics of the National Association of College and University Business Officers.

	AIF	All Endowment Pools	Balanced Income-Oriented Pools	Pools of Over \$50 Million
Past year	11.4%	10.8% (62nd of 169)	10.3% (36/113)	12.2% (26/43)*
Past 3 yrs.	7.3%	6.0% (43rd of 166)	5.8% (24/111)	6.2% (16/44)
Past 5 yrs.	8.9%	8.0% (52nd of 154)	7.8% (33/103)	8.1% (19/40)

\*Figures in parentheses indicate the University's rank, compared to other universities.

Indeed, in one of these past five years (1977), the University of Pennsylvania had the second best record among the forty-one institutions with over \$50 million in assets.

The following indicates the total performance of the Associated Investments Fund, including additions to it, and it should be

understood in terms of the University's successful determination to balance its annual budgets:

	January 1, 1975	January 1, 1980
Total Market Value	\$76,634,481	\$134,025,208
Annualized Income	4,247,870	8,474,484
Cash Additions to Fund		33,200,000

In addition to the Associated Investments Fund, the University has a variety of other investments valued on January 1, 1980 at approximately \$120 million.

The investment strategy of these most recent five years already produced better than average results, although financial markets have not been particularly friendly to investors during recent years.

John Neff, our Trustee Chairman of the Investment Board, is a person who commands great respect in the financial community as a successful professional investor. We recognize that satisfactory investment returns depend heavily upon healthy financial markets and a good economy, both of which are difficult to predict at this juncture. However, we are in good hands and are striving to raise our returns relative to comparable portfolios.

### Harrisburg-Ivy-China Report

**Countdown in Harrisburg:** The Pennsylvania General Assembly may have as little as six to 11 days—starting September 15—to act on bills Governor Richard Thornburgh would need to restore cuts made in higher education budgets. The Governor told five presidents (of Penn, Temple, Lincoln, Pittsburgh and Penn State) on September 2 he would try to consolidate bills for action before pre-election recess. "But," said President Martin Meyerson, "there isn't much time."

The \$2 million cut from Penn's projected appropriation of \$20,396,000 was part of a \$33 million abatement that affects all state-aided and state-related schools. Here, it led to hiring deferrals that began in August.

**Athletes in the Ivy:** The main theme of the Ivy Group meetings in Cambridge July 28-30 was "how important it is that the median scholastic records of varsity athletes be brought closer to the median of the classes as a whole in all the Ivy schools," the President said. In the expanded group (with MIT), topics included

- the growing collaboration in the Research Libraries Group (up from 7 members to 20) which works to improve service and save money; and
- federal legislation (on student aid and science, and the need for it on facilities) and on regulatory activity and relationships with associations. In discussions led by President Meyerson and Harvard's Curtis Bok, the issue of Department of Labor investigative approaches in universities across the country arose. There was, Mr. Meyerson said, "a sense that DOL is missing the point of what we *can* do best while imposing corporate models



that aren't working all that well even for corporations."

**On China, More to Come?** In August visits to the Ministry of Education for the current educational exchange arrangements (page one), Mr. Meyerson explored the possibility of a bilingual university or a set of programs leading to one. A suggested location is Xian, the ancient capital and site of new archaeological finds. After Beijing and Shanghai, it has the largest number of educational institutions in the People's Republic. He met with Vice Premier Fang Yi (who is also president of the Chinese Academy of Sciences, Minister of Education Jiang Nanxiang and his staff; other Chinese colleagues and U.S. Ambassador Leonard Woodstock.

## The Presidency at Pennsylvania

### *A Very Short History*

If the University is 200 years old, and the average term of its presidents has been ten years, how many presidents has the University of Pennsylvania had?

The answer is five, but it was a trick question.

Pennsylvania had no such title as President of the University until 1921, and the man then elected did not serve: For two years, from appointment to resignation, General Leonard Wood yielded to U.S. President Warren G. Harding's pleas to remain as governor-general of the Philippines. The Provost, Josiah H. Penniman, continued running the University under the old structure dating to 1755 (when the Academy became the College that became the University in 1779). For a time he held the joint title President and Provost, but no new "office" emerged. In 1926 the Trustees changed the statutes to make the Provost again chief officer—but also naming him Chairman of Trustees for the next two years.

It was not until almost fifty years ago—October 8, 1930—that Pennsylvania began its unbroken chain of freestanding presidents with the election of the prominent banker and alumnus Thomas Sovereign Gates. A Trustee and chairman of the newly created Executive Board of Trustees at the time of election, he delineated the office of president alongside Provost Penniman (until Dr. Penniman was succeeded by the longtime vice provost/vice president Dr. George W. McClelland in 1939). Bringing the University through a depression and most of a war, Mr. Gates was awarded the unique title Chairman of the University when he left the presidency in 1944; he kept it until his death in 1948.

The second president was Dr. McClelland. Halfway through his short term (1944-48) he launched the \$32 million campaign that produced Dietrich Hall and other buildings badly needed by the post-war, growing University. When he retired as president because of ill health, he became Chairman of the Trustees.

The short tradition of insider-presidents was broken in 1948 with the election of Harold E. Stassen, an active candidate for the U.S. presidency who continued to campaign while holding office.

The Trustees again turned inside Pennsylvania to elect the eminent Physics Professor Gaylord P. Harnwell in 1953. If Mr. Stassen had been seen as a part-time president, Dr. Harnwell perfected the overtime presidency with his cross-country capital campaign for \$93 million and the management of the expanded University produced by growth in enrollment, federal research and its own building program. He continued past retirement age while the Trustees, now with formal faculty and student input, conducted a major search for his successor in 1969-70. As President Emeritus, he remains at Penn, his office in Graduate Towers.

The fifth president is Martin Meyerson, again from inside academia and in part from inside Penn—as former professor of city planning brought home. He is the first Penn president to have headed any other university before taking the presidency here: first as acting chancellor at Berkeley, then as president at Buffalo. In the Harnwell/McClelland traditions, midway in his presidency he called for a capital campaign—this time for \$255 million in five years. In June, 1980, came the announcement that the campaign was over the top by \$5 million—and still counting.

Next week, Trustees Chairman Paul F. Miller talks about the selection of the sixth President of the University.—K.C.G.

## On Religious Holidays

I wish to remind faculty and students that September 11 and 12 (Thursday and Friday) are Rosh Hashanah and that September 20 (Saturday) is Yom Kippur. No examinations shall be given or assigned work made due on these days.

Some students may also wish to observe important religious holidays other than those listed above, such as Sukkoth. Although our religious holidays policy (*Almanac*, 2/20/179) does not prohibit examinations on these days, students who are unable to take examinations because of religious observances *must* make alternate arrangements with their instructors by September 19 (Friday). If instructors are informed of the dates of all religious obligations by the 19th, the students have a right to make-up examinations given on the dates of those holidays or obligations.

—Vartan Gregorian, Provost

## To the Penn Black Community

James Brister was awarded a degree from the University of Pennsylvania's School of Dental Medicine in 1881, thus becoming the first Black to receive a degree from this university. In recognition of this occasion, the Trustees of the University have declared 1980-81 the Year of the Black Centenary and have encouraged the President and the Provost to take appropriate measures to mark the occasion with scholarly and cultural events.

Accordingly, they have convened a committee of faculty, administrators and alumni who are planning a calendar of activities that highlight the talents, contributions, and accomplishments of the Blacks who have affiliated with the University of Pennsylvania.

In order to facilitate the dissemination of this information to the Black Community of the University, we are compiling mailing lists of Black alumni and Black university employees. Anyone wishing to be included on these lists or to assist with their compilation should contact Kenneth Arrington or Dolores Peoples at Ext. 4410.

—Ralph R. Smith, Professor of Law

## Almanac: New/Old Editor

The Almanac Advisory Board announces with pleasure that beginning with this issue Karen C. Gaines is the new editor of our University's journal of record and opinion. A Pennsylvanian since 1967, Ms. Gaines was the first editor of *Almanac* after its conversion to a weekly publication in March 1971. She left in October 1977 to become development officer for foundations and corporations at The Claremont Colleges in California, and returned in August 1979 as research development officer and special assistant to Dr. Louis A. Girifalco, Vice Provost for Research.

Ms. Gaines' appointment as *Almanac* editor ended a search initiated last spring and carried forward jointly by the Almanac Advisory Board and the Office of the President. Under a recent agreement of the Board and the Administration, editorial responsibility and authority for *Almanac* rests with the Board, and administration with the President's Office through Vice President Morris Arnold. We welcome Karen Gaines to her new/old position and are confident that she will fill it with demonstrated ability, tact and knowledge of the University community.

We are also pleased that C. Anne Vitullo, acting editor during the search, will continue as assistant editor. She has our thanks for ably publishing during a difficult transition.

—Robert L. Shayon  
Professor of Communications and  
Chairman, Almanac Advisory Board

# PENN PEOPLE

**Dr. June Axinn**, professor of social work, has been appointed the Kenneth L. M. Pray Professor for the current academic year.

Dr. Axinn is the book review editor for *Administration in Social Work* and is co-author of *Social Welfare: A History of the American Response to Need*. She is currently engaged in research on social security and the economics of aging.

After receiving her Ph.D. from the University in 1964, Dr. Axinn joined the faculty of the School of Social Work in 1965. She is on the University Steering Committee and University Council.

**Dr. John Paul Brady**, professor and chairman of the psychiatry department has been appointed Visiting Professor of Psychiatry at Trinity College, Dublin, for the current academic year.

Dr. Brady will be on sabbatical leave from the University to serve in this position.

**Dr. Stuart W. Churchill**, the Carl V. S. Patterson Professor of Chemical Engineering at the University has received the Max Jakob Award in recognition of eminent achievement and distinguished service in the

area of heat transfer.

The award, which is named after a pioneer of heat transfer engineering, is awarded jointly by the American Society of Mechanical Engineers and the American Institute of Chemical Engineers.

The award was presented as part of the 19th National Heat Transfer Conference, at which Dr. Churchill spoke.

Dr. Churchill's research is represented by more than 150 publications, including a book, *The Interpretation and Use of Rate Data—The Rate Process Concept*.

University trustee **Reginald Jones**, chairman and chief executive officer of General Electric Company, has been chosen as the U.S. business executive most respected by his peers. He was mentioned by about a third of all respondents and by more than half of the heads of the largest corporations who participated in the *Wall Street Journal*/Gallup survey of business opinion.

The survey is based on interviews with 306 chief executives of the country's largest corporations (including 100 of the Fortune 500 companies), 276 heads of medium-sized firms and 198 small-firm owners.

Mr. Jones was also awarded an honorary Doctor of Laws degree by the University at the Commencement last May, citing him as "expert in management as in economic and monetary policy, he is equally concerned with expanding opportunities for people, with the nation's human as well as its financial assets."

**Dr. Harry E. Morton**, emeritus professor of bacteriology in the School of Medicine was elected an honorary member of the International Organization for Mycoplasmaology.

Dr. Morton was selected for pioneering scientific efforts in the field of mycoplasma research and for early contributions to the development of a very active research group of young investigators at the University. Many of the investigators became notable experts in the field as well as leaders of new research groups that advanced mycoplasma.

Dr. Morton was formerly chief of the Microbiology Division of the William Pepper Laboratories at HUP.

In Manila for meetings of the International Association of Universities, President **Martin Meyerson** was reelected to the board and named vice president of the organization at its general conference in August. In 1985 the association will meet in the U.S. for the first time, he said.

**Irene F. Pernsley**, associate professor of social work, has been named commissioner of the Philadelphia Welfare Department.

Mrs. Pernsley came to the University in 1975 after having been the deputy secretary of welfare for the Commonwealth of Pennsylvania.

Earlier she was southeastern regional director of the state Department of Public Welfare and held several positions with the Delaware County Board of Assistance, including executive director.

Mrs. Pernsley received both her master of social work degree and advanced certificate from the University.

**Dr. Lawrence Eisenberg**, professor of systems engineering, has been appointed associate dean for undergraduate education and special programs in the School of Engineering and Applied Science.

Dr. Eisenberg came to the University in 1968, moving from assistant, to associate to full professor of systems engineering. He has been the director of the University's Energy Center since 1975. As director of the center, he was principal investigator for dozens of research projects including an assessment of the energy management programs offered by institutions of higher education.

Dr. Eisenberg holds the S. Reid Warren Jr. Award from the School of Engineering

(Continued on page 11)

## President's Medal

This summer **President Martin Meyerson** inaugurated a President's Medal for Pennsylvanians, awarding the first to **Dr. Lawrence Klein**, Benjamin Franklin Professor of Economics and Finance. The diamond-shaped medal will honor "on very special occasions, persons who have made particularly great contributions to the University. Among Dr. Klein's in his twenty years on the Penn faculty: the development of Wharton Econometric Associates' widely used quarterly forecasts of the U.S. economy, the later LINK project which ties together forecasts for the whole world, and WEFA World Model projecting world trade, world inflation and other factors.

Designer of the medal is **Sculptor/Professor Robert Engman**, of GSFA who crafted a three-dimensional expression of the mathematical symbol for infinity at its center—then cast the medal in 18-karat gold using the "lost wax" process that destroys the original.

Dr. Klein, at left, in his office.

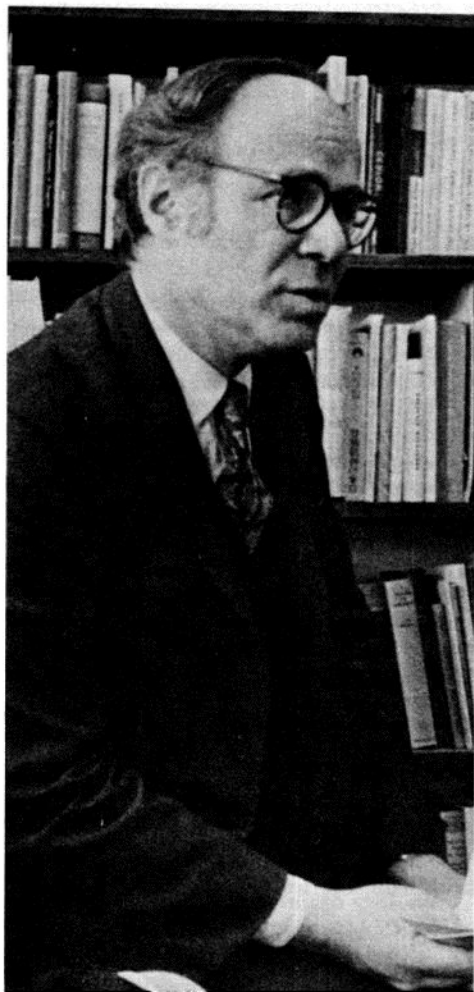


Photo by Frank Ross

# Campus Calendar for Fall 1980

This calendar compiles many of the events for the fall semester. Although it is as comprehensive as we could make it, it by no means includes every event on campus this fall. You should also consult the weekly Almanac calendar listings.

To be included in the weekly Almanac calendar, information should reach out offices at 3533 Locust Walk one week before desired date of publication.

To be included in the spring semester—to be published in Almanac next January—information should reach us by January 10, 1981.

## 1980-81 Academic Calendar

**September 3** Fall term began  
**November 10** Pre-registration for spring term begins  
**November 26-30** Thanksgiving recess  
**December 8** Fall term classes end  
**December 9-10** Reading days  
**December 11-19** Final examinations  
**December 19** Fall term ends  
**January 8-9** Registration for undergraduate transfer students  
**January 12** Spring term classes begin; new student registration  
**January 13** Final day for class registration  
**January 17** Founder's Day  
**March 14-22** Spring recess  
**March 30** Pre-registration for summer session and fall term  
**April 24** Spring term classes end  
**April 27-29** Reading days  
**April 30-May 8** Final examinations  
**May 16** Alumni Day  
**May 18** Commencement  
**May 19** First summer session begins  
**June 26** First summer session ends  
**June 29** Second summer session begins  
**August 7** Second summer session ends

## Exhibits

**Now through September 28** Works by students in the Graduate School of Fine Arts, the ICA Gallery in the Fine Arts Building.

**Now through October 3** installation, works by artist Chris Martens, Houston Hall Gallery.

**Now through October 19** *Dowries from Kutch: A Women's Folk Tradition*. The exhibit features exquisitely decorated wedding gifts and personal ornaments created for brides in Kutch, a remote region of rural India. Part of the first U.S. tour of this important ethnological collection, the exhibit includes textiles, jewelry, household implements and mirror-embroidered clothing. At the University Museum, 33rd and Spruce Streets.

**September 27-August 31, 1981** *The Egyptian Mummy: Secrets and Science*. Possibly the largest exhibition on mummification ever mounted in the U.S., this show examines Egyptian ideas about life after death and the health and disease patterns of these ancient people as revealed through x-ray and autopsy studies of mummified remains. At the University Museum.

**October 4-November 9** *Drawings: The Pluralist Decade* at the Institute of Contemporary Art. The show includes work by the same artists featured in the U.S. exhibit for the Venice Biennale. Opening is set for Friday October 3, 5-7 p.m.

**Opening October 25** *A Century of Black Presence at the University of Pennsylvania, 1879-1980*. Van Pelt Library. This exhibit, honoring the Black Centenary at the University, continues through 1981.

**November 23-January 25** *Made in Philadelphia IV* at the ICA features work by emerging Philadelphia artists and photographers.

**ICA Gallery Hours** Tuesday 10 a.m.-7:30 p.m., Wednesday-Friday, 10 a.m.-5 p.m., Saturday and Sunday, noon-5 p.m. Closed Monday.

**University Museum Hours** Tuesday-Saturday 10 a.m.-5 p.m., Saturday 1-5 p.m. Closed Monday and holidays.

**Houston Hall Gallery Hours** Monday-Friday noon-6 p.m., Saturday and Sunday noon-4 p.m.

Almanac September 9, 1980



Photo by Antonia Graeber

This elaborately embroidered blouse is part of Dowries from Kutch: A Women's Folk Tradition, an exhibit of clothing, household implements and jewelry from a rural province of India. The exhibit continues through October 19 at the University Museum.

## Faculty Club

**September 26** Seafood Buffet before the Penn-Lehigh football game  
**October 8** Cocktail party for new members  
**October 25** Football brunch before the Homecoming game which pits Penn against Yale  
**December 10** Christmas tree lighting

For more information about events at and membership in the Faculty Club, please see the longer notice in this section.

## Films

### Exploratory Cinema

**September 17** *The First Films: Watermelon Patch, Scrap in Black and White; A Trip to the Moon; D. W. Griffith's The Musketeers of Pig Alley; Edwin S. Porter's The Life of an American Fireman, and A Life of the American Fireman* by Mark Daniels and Joanne Mallas.

**September 24** Edward S. Curtis' *In the Land of the War Canoes*, and Franz Boas' *The Kwakiutl of British Columbia*.

**October 1** Robert Flaherty's *Nanook of the North*, and Jean Vigo's *A Propos de Nice*.

**October 8** Dziga Vertov's *Enthusiasm*.

**October 15** V. I. Pudovkin's *Mechanics of the Brain*; Sergei Eisenstein and Grigori Alexandrov's *Que Viva Mexico!*

**October 22** *Learning to Dance in Bali* by Margaret Mead and Gregory Bateson; *The Wedding of Palo* by Knud Rasmussen and F. Dalsheim.

**October 29** Luis Bunuel's *Las Hurdas (Land Without Bread)*; *Boirnage* by Joris Ivena and Henri Storck; *Song of Ceylon* by Basil Wright and John Grierson.

**November 5** Oskar Fischinger's *An American March*; Erik Barnouw's *Hiroshima-Nagasaki, August 1945*; Humphrey Jennings' *Listen to Britain*; Frank Capra's *Divide and Conquer*.

**November 12** Alain Resnais' *Toute La Memoire du Monde*; George Franjur's *Hotel des Invalides*; *Sky-scraper* by Shirley Clark and Willard Van Dyke; Hilary Harris' *Highway*; Chris Marker's *Sunday in Peking*; and Bert Haanstra's *Glass*.

**November 19** Ian Hugo's *Jazz of Lights*; Lionel Rogosin's *Come Back Africa*.

**December 3** *Chronicle of a Summer*, Jean Rouch and Edgar Morin.

All screenings are held at the Annenberg Center's Studio Theatre on Wednesdays at 7 and 9:30 p.m. Admission: \$2 for students with I.D. and \$3 for others.

## Penn Union Council film series

**September 13** *The Godfather, Part I*, 9:15 p.m. and *Reefer Madness*, midnight, in Irvine Auditorium. Admission \$1.25.

**September 15** *Chinatown*, 8 p.m. in Irvine Auditorium. Admission: \$1.25 with Penn I.D. and \$2.50 for the public.

**September 16** *The Conformist*, 7:30 and 9:40 p.m. at the Annenberg Center's Studio Theatre. Admission: \$2 with Penn I.D. and \$2.50 for the public.

**September 18** Francois Truffaut's *Small Change*, 8 p.m. in Irvine Auditorium. Admission: \$1.25 with Penn I.D. and \$2.50 for the public.

**September 20** *One Flew Over the Cuckoo's Nest*, 9:30 p.m. in Irvine Auditorium. Admission: \$1.25

**September 22** Fred Astaire and Ginger Rogers Night with two of their best: *Top Hat* and *Swing Time*, 9:40 p.m. in Annenberg Center's Studio Theatre. Admission: \$2 with Penn I.D. and \$2.50 for the public.

**September 23** Carlos Fuentes will introduce Luis Bunuel's classic *Viridiana*, 7:30 p.m. at the Annenberg Center's Studio Theatre. Admission: \$2 with Penn I.D. and \$2.50 for the public.

*Days of Heaven*, 8 p.m. in Irvine Auditorium. Admission is \$1.25 with Penn I.D. and \$2.50 for the public.

**September 26** A Paul Newman/Robert Redford double feature: *Butch Cassidy and the Sundance Kid* will be screened at 7:30 and 11:30 p.m. while *The Sting* will be shown at 9:30 p.m. Both are in Irvine Auditorium for \$1.25

**September 27** A James Bond double feature: *Dr. No* at 7:30 and 11:30 p.m. and *Moonraker* at 9:30 p.m. Both in Irvine Auditorium for \$1.25.

Alfred Hitchcock's *Shadow of a Doubt*, 7:30 and 9:30 p.m. at the Annenberg Center's Studio Theatre. Admission: \$2 with Penn I.D. and \$2.50 for the public.

**September 30** *East of Eden*, 7:30 and 9:30 p.m. at the Annenberg Center's Studio Theatre. Admission: \$2 with Penn I.D. and \$2.50 for the public.

(Continued on page 8)



(Continued from page 7)

## International Cinema, Series 8

**September 17-19** Philadelphia premiere of Nelson Pereira dos Santos' *Tent of Miracles*, 7:30 and 9:45 p.m. each evening and 4 p.m. on Friday afternoon.

**September 24** Eleven of the best new animated films, 7:30 and 9:30 p.m.

**September 25** *The Marriage of Maria Braun*, 7:30 and 9:45 p.m.

**September 26** *The Marriage of Maria Braun*, 4 and 9:30 p.m.; Independent Black filmmakers: six short films with guest filmmaker Ben Caldwell, 7:30 p.m.

**October 1** Four documentaries on Latin America, 7:30 p.m.

**October 2** *How Yukong Moved the Mountains*, Program 1: *A Woman, A Family*, 7:30 p.m. *Sao Bernardo* and *Man of Leather*, 9:30 p.m.

**October 3** *How Yukong Moved the Mountains*, 4 p.m.; *Sao Bernardo*, and *Man of Leather*, 7:30 and 9:30 p.m.

**October 8** *Land of the Indians* and *Noel Nutels*, 7:30 p.m.

**October 9** *El Super*, 7:30 and 9:30 p.m.

**October 10** *El Super*, 4 and 9:30 p.m.; filmmaker William Farley presents four of his films, 7:30 p.m.

**October 15-16** *Coronel Delmiro Gouveia* and *The Flour Mill House*, 7:30 p.m. *Picnic at Hanging Rock*, 9:30 p.m.

**October 17** *Picnic at Hanging Rock*, 4 and 7:30 p.m. *Coronel Delmiro Gouveia* and *The Flour Mill House*, 9:30 p.m.

**October 22** Neighborhood action: three films, 7:30 p.m.

**October 23** *Weekend*, 7:30 and 9:30 p.m.

**October 24** *Weekend*, 4 p.m. *Sun Ra: A Joyful Noise*, 7:30 p.m.

**October 29** Humor is cheaper by the dozen with this showing of one dozen funny movies, 7:30 and 9:30 p.m.

**October 30** *How Yukong Moved the Mountains*, Program 2: *The Fishing Village*, 7:30 p.m. *The Amulet of Ogun*, 9:30 p.m.

**October 31** *How Yukong Moved the Mountains*, 4 p.m.; *The Amulet of Ogun*, 7:30 and 9:30 p.m.

All films at International House, 3701 Chestnut Street. Tickets are \$2, \$1 for the Friday matinee.

## University Museum Children's Film Program

**October 11** *Ivanhoe!*

**October 18** *The Man who could work Miracles*

**October 25** *Anansi the Spider; The Magic Tree; Arrow to the Sun; The Loon's Necklace*

**November 1** *Adventures of Tom Sawyer*

**November 8** *Son of Paleface*

**November 15** *A Tale of Two Cities*, the 1935 version of Dickens' novel of the French revolution starring Ronald Colman and Basil Rathbone.

**November 22** *The Amazing Mr. Blunden*

**December 6** *The Thief of Baghdad*

**December 13** *The King and I*

**December 20** *It's a Wonderful Life!*

All films in this free series are screened Saturdays at 10:30 a.m. in Harrison Auditorium of the University Museum.

## University Museum Sunday Film Series

**October 5** *Northern Lights*

**October 12** *Princess Yang Kwei-Fei*

**October 26** *Duke Ellington*, a film biography encompassing the history of American jazz.

**November 2** *Newsfront*

**November 9** *Wedding Camels*

**November 16** *Chapayev*

**November 23** *El Super*

**December 14** *Blaise Pascal*

**December 21** *Swing Time*

Films in this free series are screened Sundays at 2:30 p.m. in Harrison Auditorium of the University Museum.

## Meetings

### Faculty Senate

Fall meeting: Wednesday, November 5 at 3 p.m.  
Spring meeting: Wednesday, April 22, 1981 at 3 p.m.  
Location to be announced.

### Trustees

Stated meeting of the full board of Trustees, Friday October 24 at 2 p.m. in the Council Room of the Furness Building. Stated meetings of the full board and the executive board of the Trustees are open to all members of the University community.

### University Council

September 17, October 8, November 12, December 10, January 14 (if needed), February 11, March 11, April 8 and April 29.

All meetings are held from 4 to 6 p.m. in the Council Room of the Furness Building. Council Steering Committee meets two weeks before each full Council meeting. Steering Committee meetings are closed to all but members of the committee; members of the University community may be invited to attend full Council meetings.



## Music

**Now through September 12** Auditions for music department performance groups including the Choir and Choral Society, the Orchestra, Wind Ensemble and Collegium Musicum. For information call Ext. 6244 or stop by 518 Annenberg Center.

**October 9-10** Workshops in contemporary music presented by *Continuum* as part of a mini-residency sponsored by the music department. Set for the Annenberg School auditorium with times to be announced. Call Ext. 6244 for information.

**October 10** Guest artists *Continuum* in the first concert of the year for Penn Contemporary Players. Program includes the area premiere of Milton Babbitt's *A Solo Requiem* for soprano and two pianos, Igor Stravinsky's *Concerto for Two Pianos* and Jane Wilkinson's *Phoenix II* for solo flute at 8 p.m. in the Annenberg School Auditorium. A reception with the artists follows the concert.

**October 11** The Collegium Musicum is joined by guest artists the Cambridge Court Dancers for *Italian Renaissance Music and Dance*, 8 p.m. in the Annenberg Center's Zellerbach Theatre. Tickets are \$4 (\$2 for students and senior citizens) and are available at the Music Department (202 Music), at 518 Annenberg Center and at the Annenberg Center Box Office.

**October 23-25, 30-31, November 1, 6-8** Penn Players presents Kurt Weill's *A Threepenny Opera* at the Annenberg Center's Harold Prince Theatre. Call the Annenberg Center Box Office for ticket information.

**November 14** The University Choir presents Handel's coronation anthem, *Let Thy Hand Be Strengthened*, six chansons by Hindemith based on texts by Rilke, three sacred motets by Mozart and three renaissance motets, 8 p.m. at the Tabernacle Church, 3700 Chestnut Street.

**November 21** The University Symphony Orchestra presents Mozart's *Overture to Don Giovanni* and Charles Ives' *Symphony No. 2*. Guest conductor Jane Wilkinson conducts Brahms' *Variations on a Theme by Haydn*, 8:30 p.m. in Irvine Auditorium.

**December 3** The University Choral Society presents Bach's *Magnificat* and Schubert's *Mass in G*, 8:30 p.m. at the Tabernacle Church, 3700 Chestnut Street.

**December 5-6** The Collegium Musicum presents *The Play of Daniel*, a 14th-century liturgical drama from Beauvais, 8 p.m. each evening at St. Mary's Church, 3916 Locust Walk. Tickets are \$4 (\$2 for students and senior citizens) and are available from the music department (202 Music), 518 Annenberg Center, or at the door.

## Religion

**Ecumenical Eucharist** 12:15 p.m. Fridays at the Christian Association, 3601 Locust Walk. A gathering for news and informal ways of sharing the bread and wine of communion.

**Episcopal** Weekly services at St. Mary's Church, 3916 Locust Walk. Call 222-8556 for information.

### Jewish Holiday Services

Rosh Hashanah, September 10-13

*Conservative Services*, Irvine Auditorium  
Wednesday, September 10, 6:30 p.m.

Thursday, September 11, 9 a.m. and 6:30 p.m.

Friday, September 12, 9 a.m.

*Reform Services*, University Museum Auditorium

Wednesday, September 10, 8 p.m.

Thursday, September 11, 10 a.m.

*Orthodox Services*, Hillel Foundation, 202 S. 36th Street

Wednesday, September 10, 6:30 p.m.

Thursday, September 11, 9 a.m., 6:30 p.m.

Friday, September 12, 9 a.m.

Yom Kippur, September 20

*Conservative Services*, Irvine Auditorium

Friday, September 19, 6:30 p.m.

Saturday, September 20, 9 a.m.

Study break, September 20, 4 p.m.

Minchah Service, September 20, 5:30 p.m.

*Reform Service*, University Museum Auditorium

Friday, September 19, 8 p.m.

Saturday, September 20, 10 a.m.

*Orthodox Services*, Hillel Foundation

Friday, September 19, 6:30 p.m.

Saturday, September 20, 9 a.m.

**Lutheran Eucharist Service** Sundays at 11 a.m.,  
Lutheran Student Center, 3637 Chestnut Street.

**Roman Catholic** Midnight mass Saturdays; 9:30 a.m.,  
11 a.m. and 5 p.m. on Sundays; daily mass at 12:05 p.m.  
Holy days at 12:05 p.m., 5:15 p.m. and 8 p.m., Newman  
Center, 3720 Chestnut Street.

## Special Events

**Now through September 12** Registration for English classes at International House, 10 a.m.-noon, 2-4 p.m. Classes provide training in American English conversational skills and are designed to help non-English speakers become more comfortable with informal, everyday situations. They meet September 22 through November 30. For more information call 387-5125, Ext. 225, or Ext. 201.

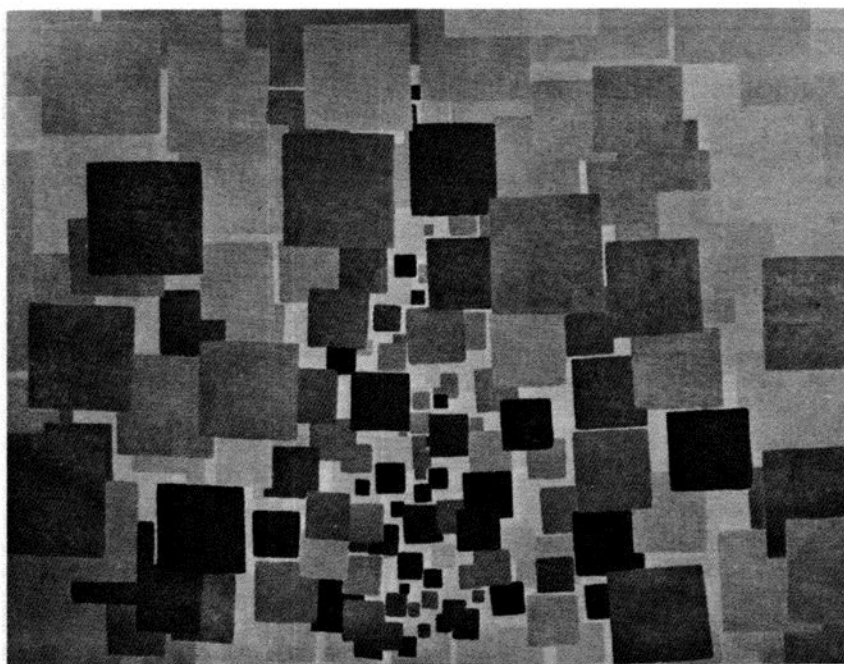
**September 16-18** Tropical Plant Sale sponsored by Penn Union Council, 10 a.m.-6 p.m., Houston Hall's West Lounge.

**Beginning September 18 and continuing each Thursday** PUC Sponsors Entertainment at 11, a weekly series of live performances in the Houston Hall Gallery.

**October 4** Annual Giving Appreciation Day at the Penn-Columbia football game. All 1979-80 donors to the Annual Giving campaign will receive two free tickets to the game. For information, call Annual Giving at Ext. 8445.

**October 12** *Family Day at New Bolton Center*, Kennett Square, noon-4 p.m. You can see the animals, inspect hospital facilities, visit the Allam House, built in 1710, and view antique horse-drawn carriages from the William Goldman collection. The University's Alumni Relations staff will barbecue hot dogs and hamburgers for 50¢. The day at New Bolton Center is free but call Alumni Relations at Ext. 7811 for reservations.





Paintings by artist Patricia Mangione open this season's series of exhibits at the Faculty Club, 200 S. 36th St. The opening reception is set for today, 4:30-7 p.m.; the exhibit continues through October 17. This is Ms. Mangione's *Fiesta*, in oil on linen.



**Penn Arboramble at Morris Arboretum.** You're invited to visit the Arboretum at the peak of its brilliant fall foliage. A guided tour of the grounds will be conducted at 2 p.m. For free admittance to the Arboretum, alumni, faculty, students and staff should use the Hillcrest Avenue entrance to the Arboretum and state their affiliation with the University. For directions to the Arboretum, call 242-3399.

**October 25 Homecoming 1980:** walking tours of the campus depart every half-hour from the steps of College Hall, 9:30-11:30 a.m.... the classes of 1971-1981 are invited to a Young Alumni Party at 11:30 a.m. in the umbrella area of Blanche Levy Park.... the Homecoming Picnic begins at 11:30 a.m. on the plaza of the Fine Arts Building.... Penn meets Yale on Franklin Field at 1:30 p.m.... The Alumni Council on Admissions hosts a post-football game reception at the Faculty Club for alumni (and their families) who are parents of current undergraduates.

Friends of Soccer luncheon with guest Charles R. Scott, associate director of athletics and former soccer coach. Penn meets Yale in soccer at 10 a.m. followed by a cash bar and buffet luncheon at Hutchinson Gym. For information call Gerald R. Beaver at Ext. 4773.

**November 8 Family Day with the Basketball Team** opens with a basketball clinic for youngsters, 10:30 a.m.-noon, with Coach Bob Weinbauer and the 1980-81 varsity team. Family picnic at the Palestra at noon and an intra-squad basketball scrimmage at the Palestra following the Penn-Villanova football game. Call Alumni Relations at Ext. 7811 for reservations.

## Sports (home schedules)

For ticket information, call the Franklin Field ticket office at Ext. 6151.

**Men's Basketball** December 10: vs. St. Francis, 7 p.m.; December 20: Davidson, 7 p.m.; January 14: vs. Temple, 9 p.m.; January 17: vs. Villanova, 9 p.m.; January 28: vs. St. Joseph's, 9 p.m.; February 13: vs. Harvard, 8 p.m.; February 14: vs. Dartmouth, 7 p.m.; February 20: vs. Brown, 8 p.m.; February 21: Yale, 7 p.m.; February 24: vs. Princeton, 7 p.m.; March 6: vs. Cornell, 8 p.m.; March 7: vs. Columbia, 7 p.m. All games at the Palestra.

**Women's Basketball** December 6: vs. Harvard, 7 p.m.; January 20: vs. LaSalle, 8 p.m.; January 26: vs. Barnard, 6 p.m.; January 28: vs. St. Joseph's, 5 p.m.; January 31, vs. Cornell, 7 p.m.; February 12: vs. Army, 7 p.m.; February 21: vs. Yale, 7 p.m.; March 13, 15: Eastern AIAW Regionals. All games at the Palestra.

**Cross Country** September 20: vs. LaSalle and Philadelphia Textile College, 11 a.m.; October 3: vs. Princeton, 3:45 p.m.; October 18: men's and women's Big Five Meet. All meets at Fairmount Park's Belmont Plateau.

**Field Hockey** September 27: vs. Rutgers, 11 a.m.; September 30: vs. West Chester, 7 p.m.; October 4: vs. Harvard, 11 a.m.; October 7: vs. Franklin and Marshall, 7 p.m.; October 14: vs. Ursinus, 7 p.m.; October 17, 19: International Field Hockey featuring the U.S. Olympic team plus teams from Australia, West Germany and New Zealand; October 24: vs. Yale, 7 p.m.; October 28: vs. Temple, 7 p.m. All games at Franklin Field.

**Freshman Football** October 29: vs. Glassboro State, 4 p.m.; October 11: vs. Cornell, 3 p.m.; October 24: vs. Millersville, 1:30 p.m. All games at Franklin Field.

**Lightweight Football** October 4: vs. Rutgers, 4:30 p.m.; October 17: vs. Cornell, 2 p.m.; October 31: vs. Navy, 7 p.m. All games at Franklin Field.

**Varsity Football** September 26: vs. Lehigh, 7:30 p.m.; October 4: vs. Columbia, 1:30 p.m.; October 25: vs. Yale, 1:30 p.m.; November 8: vs. Villanova, 1:30 p.m.; November 15: vs. Harvard, 1:30 p.m. All games at Franklin Field.

**Sailing** October 11:12: Packer Trophy Regatta, 9 a.m. at Penn's Landing; October 18-19: Philadelphia Intracity Meet, 9 a.m. at Penn's Landing.

**Soccer** September 24: vs. Lafayette, 7:30 p.m.; October 3: vs. Columbia, 8:15 p.m.; October 18: vs. Navy, noon; October 25: vs. Yale, 10:15 a.m.; November 7: vs. Villanova, 8:15 p.m.; November 11: vs. Temple, 7:30 p.m.; November 14: vs. Harvard, 8:15 p.m. All games at Franklin Field.

**Women's Tennis** October 1: vs. West Chester, 3:30 p.m. at Lott Courts.

**Women's Volleyball** October 9: vs. Trenton State, 6 p.m. at Weightman Hall.

## Talks

**September 15** Professor Arnold Thackray, *Agenda for the Eighties*, 4 p.m., Smith Hall 107. Coffee at 3:30 p.m.

**September 22** Professor Henrika Kuklich, *Chicago Sociology and the American City*, Smith Hall 107 at 4 p.m. Coffee at 3:30 p.m.

**September 24** Steven Rose of the Washington University Medical School, *Analysis of the Structure and Function of the Lumbar Facet Joints, and Analysis of Muscle Fiber Type in Steroid Myopathies Using CYBEX*, Nursing Education Building 208 at 4 p.m.

**September 29** Morton Belot, on *The Botel Milestone Tests*, theoretical bases and on-going research, Education Building D-9 and D-10 at 7 p.m.

**September 30** Symposium on equine parasites sponsored by the School of Veterinary Medicine. Fee for the seminar is \$20. Reservations may be made by calling the Office of Continuing Education, Ext. 4234.

**October 1** Seminar on animal bites, rabies exposure and prophylaxis sponsored by the School of Veterinary Medicine. Fee is \$20. Reservations may be made by calling the Office of Continuing Education at Ext. 4234.

**October 2** Dr. J. Lamar Callaway, professor of dermatology at the Duke University School of Medicine presents the Fifth H. M. Samith Lecture in Cutaneous on *Clinical Dermatology—Southern Style*, Auditorium of Children's Hospital at 10 a.m. Reception follows the lecture.

**October 4** *The Source and Direction of Human Development: New Rules*, part of the Saturday at the University series. Donald S. Coffrey, professor of pharmacology and experimental therapeutics at the Johns Hopkins University School of Medicine and Professor Robert Kohler of the University discuss the implications of genetic research that enables us to alter the substance of life. University Museum at 10 a.m. For more information call the College of General Studies at Ext. 6479.

**October 6** Author and award-winning screen writer Jerzy Kozinski on *Being There: Communications Themes in the Book and the Film*. Annenberg School 124 at 4 p.m.

**October 8** Susan Herdman of the University's School of Medicine on *Mapping High Metabolic Areas of the Neurologic System: Retinotopic Organization in Monkeys*. NEB 208 at 4 p.m.

**October 13** Yeshayahu Nir of the Hebrew University Communications *Institutions on Society and History in 19th Century Photography in the Holy Land*. Annenberg School 124 at 4 p.m.

**October 15-18** *Changing Concepts of the Nervous System*, a symposium in neurobiology sponsored by the School of Medicine's anatomy department. For more information call Dr. Frank Pepe of the anatomy department at Ext. 8059.



**October 16** Dr. Dwight C. McGoon, Stuart W. Harrington Professor of Surgery at the Mayo Medical Center, presents the 7th Julian Johnson Lecture in Cardiothoracic Surgery on *Evaluation of Current Valve Prostheses*. Dunlop Auditorium of the Medical Education Building at 5 p.m. Preceded at 3 p.m. by program presented by members of the Cardiothoracic Surgical Division.

**October 20** Allan Glatthorn on *Developing Sequential Composition Curricula*, Education Building D-9 and D-10 at 7 p.m.

**October 22-25** *Second Annual Post-Graduate Course in Obstetrics and Gynecology*, sponsored by the School of Medicine Continuing Education Program. For more information, call Nancy Wink at Ext. 8006.

(Continued on page 10)



(Continued from page 9)

**October 22** Ruth Purtillo, *Analysis of Ethical Considerations Among Physical Therapists*, NEB 208 at 4 p.m.

**October 25** *Women in the Professions: the Asian-American Case*, conference sponsored by the Asian-American Association and the women's studies department. For more information, call women's studies at Ext. 8740.

**October 27** Roland Milavsky, NBC vice president of news and social research, *Report of a Ten-Year Study of Television, Children and Aggression*, Annenberg School 124 at 4 p.m.

**November 3** Professor Scott Ward, *Television Advertising and Family Conflict—When, Where, Why and How?* Annenberg School 124 at 4 p.m.

**November 5** Mary Watkins, physical therapist from Hahnemann Medical College on *Instrumentation in Evaluation of Human Motor Performance*, NEB 208 at 4 p.m.

**November 8** *Public Attitudes and Control of Research*, part of the Saturday at the University series. Professor Dorothy Nelkin of the Cornell University Program in Science, Technology and Society, and Baruch Blumberg, associate director for clinical research at the Institute for Cancer Research and Nobel Prize winner in 1976, discuss risks of scientific research and who should bear responsibility for those risks. 10 a.m. at the University Museum.

**November 10** Ellen Prince, *On the Distribution of Information in Oral and Written English*, Education Building D-9 and D-10 at 7 p.m.

John Pfeiffer, author and anthropologist, on *Cave Art and Communications: The First Information Explosion*, Annenberg School 124 at 4 p.m.

**November 17** Edward N. Ney, chairman of the board of Young and Rubicam, Inc., presents the Annual A.V.B. Geoghegan Memorial Lecture on *The Coming Invasion of the Electronic Baby Snatchers*, Annenberg School 124 at 4 p.m.

**November 19** Barbara Connolly of the University of Tennessee Child Development Center presents a lecture in physical therapy, NEB 208 at 4 p.m.

**November 21** Update in Clinical Neurosurgery, sponsored by the School of Medicine Continuing Medical Education Program. For information, call Nancy Wink at Ext. 8006.

**December 3** Joan Goodman, a Ph.D. graduate of the Graduate School of Education, on *The Lock Box: An Instrument to Evaluate Mental Development in Pre-School Children*, NEB 208 at 4 p.m.

**December 6** *Health Research: Can Utility and Quality Co-exist?*, part of the Saturday at the University series. Donald Kennedy, president of Stanford University and former commissioner of the U.S. Food and Drug Administration, and Rosemary Stevens, professor of history and sociology of science, examine adjusting health care research to different contexts and new realities. University Museum at 10 a.m.

## Regular Discussions

**Psychology Colloquia** One guest speaker each week presents his or her research on some area of psychology or related discipline. Tuesdays at 4:30 p.m., Stiteler B-21.

**Medicine-Pathology rounds** Tuesdays at noon, Orthopaedic Conference Room, 1 White, HUP.

## Theatre

All plays set for the Annenberg Center's Zellerbach Theatre. For ticket information, call the box office at Ext. 6791.

Lillian Hellman's *Watch on the Rhine*, October 16-19, 21-26, 28-31, November 1-2.

Orson Welles' *Moby Dick Rehearsed*, November 11-16.

Joe Egg November 27-30, December 2-7, 9-14.

Dickens' *A Christmas Carol*, adapted by Nagle Jackson, December 16-21.

Philadelphia, *Here I Come*, January 8-11, 13-18, 20-25.

Percy Grainger's *Eminent Domain*, February 10-15.

*The Front Page*, by Ben Hecht and Charles MacArthur, March 5-8, 10-15, 17-22.

James Goldman's *The Lion in Winter*, April 7-12.

*Old World*, by Russian playwright Aleksei Arbutov, April 24-26, 28-30, May 1-3, 5-10.

## Welcome to the Club(s)

How to join, and what to find at, two out of three private clubs on the campus.

**The Faculty Club:** *The Club*, as 1,550 members know, is four-story Skinner Hall at 36th and Walnut, where faculty and staff from all schools and departments and their guests converge for food, drink, talk and an occasional pool game or haircut.

Run by its elected Board of Governors, the Club is open to all faculty and administrators, and to A-3 staff members of three years' service. Annual dues are pegged to salary (\$135 if \$22,000 or over, dropping to \$75 for those at \$16,000 to \$21,999 and to \$40 for those under \$16,000) and are payroll deductible; bills are monthly.

The Club serves lunch weekdays in three locations; quick, light lunch in the first-floor bar; broad selections both hot and cold in the second-floor cafeteria; and more elaborate meals in the refurbished Alumni Hall on the same floor. The cafeteria is open 11:30 a.m. to 2 p.m. and Alumni Hall is open 11:30 a.m. to 1:30 p.m. Alumni Hall reopens at 5 p.m. for candlelight dinner. The first-floor bar buffet is laid continuously from 11:30 a.m. to 7:30 p.m.; the bar stays open until about 10 p.m.

Private rooms on the third floor can be reserved for meals for as many as 50, with options for buffet or menu service; receptions can be larger. A Club Room tucked away on the ground floor can serve meals for 120 or receptions for 175. Cocktail parties can also be staged in the first-floor lounge where the art gallery and reading corner are.

For information and applications: Gladys Kolodner, Ext. 3416.



**The Rathskeller:** Downstairs East, in Houston Hall the dimly lit and collegiate Rathskeller serves no food but allows brown-bagging (from fast-food trucks or next-door Hardee's as well as from home) to go with beer, wine, cocktails or soft drinks. The former Mask and Wig enterprise, now run by Houston Hall itself, is all-cash. Since students can be members only if 21 or over, the Rathskeller is big on I.D. checks and requires legal proof of age (white hair and wrinkles don't count, and your tenure letter from 1905 is no substitute) before issuing the \$3-a-year membership card. Hours are noon to midnight Mondays through Wednesdays; noon 2 a.m. Thursdays and Fridays; 6 p.m. to 2 a.m. Saturdays. For information: Claire Tracy, Ext. 5415.

**The Anvil:** The former Soupery in the Class of 1920 Commons has become a club—with MBA connotations. In its best entrepreneurial style, the Wharton School bought the Soupery from Dining Services this summer and converted it in time to open as the Anvil Club September 2. Details: Carol Vorchheimer, Ext. 7585.

## Back Trouble

An educational program for people suffering from back problems has been developed at HUP and will begin on October 2. Announcement of the new program, an adaptation of the Canadian Back Exercise program, was made by the department of orthopaedic surgery of the School of Medicine.

The program, which accepts patients through referral of their own physicians, consists of four evening sessions, 90 minutes each. Patients are given information to assist them in understanding the ways in which back pain may be produced, accentuated and modified and on how to live with chronic back problems. This course will be presented by a staff including an orthopaedic

surgeon, physical therapist, anesthetist and psychiatrist.

A fee of \$100 is charged for the course. For more information call 662-3347.





# PENN PEOPLE

(Continued from page 6)

and Applied Science and a Lindback Award from the University, both for distinguished teaching.

**Jerre Mangione**, emeritus professor of English, has been named the coordinator of cultural programs for the Italian Studies Center. Professor Mangione had served as the center's acting director from its inception in December 1978 until July 1, 1980 when **Professor Werner L. Gundersheimer** became director.

Professor Mangione will be responsible for a series of public events calling attention to Italian life and culture; he will also be the intermediary for the center and *The Amici*, a newly established group organized to support and participate in the center's activities.

Professor Mangione has recently been awarded a two-year grant from the National Endowment for the Humanities to initiate a study of the Italian-American experience for the past 100 years (1880-1980). The study will eventually result in a book; Mangione has already authored ten books, several of which deal with the Italian-American experience.

**Dr. Eberhard Rosin**, DVM, Ph.D. has been appointed chief of small animal surgery at the School of Veterinary Medicine.

Dr. Rosin will head the surgical group at the small animal hospital, teach in the department of clinical studies and continue his research.

Dr. Rosin earned his doctorate in veterinary medicine from Ohio State University in 1966. He later pursued graduate studies in veterinary surgery as well as pathology and immunology at the University of Minnesota, where he earned a Ph.D. in 1974.

He taught at the University of Minnesota and the University of Georgia. In 1976 he participated in a faculty exchange program, teaching at Utrecht State University in The Netherlands. He was chief of small animal surgery at the University of Georgia from 1972 to 1979.

**Dr. Jules R. Selden**, instructor in medical genetics at the School of Veterinary Medicine, has received the national Phi Zeta award for 1980. It was given by the veterinary honor society for a paper in which he describes research that establishes a genetic basis for abnormal sexual development in cocker spaniels, through analysis of white blood cells.

**Financial Aid Director George Koval** has been named executive director for student financial and administrative services. In his new post, he will be responsible for several University departments including residential living, financial aid, the dining service, the registrar and eventually the bursar's office.

Currently, his major effort is toward the completion of several residence projects. He will also supervise the creation and maintenance of a student data base designed to simplify the information gathering process.

Mr. Koval has been financial aid director for six years; he is a graduate of the University.

As an add-on to directing the Women's Center, **Carol E. Tracy** has the new post of Student Advocate in University Life. "The addition is not to diminish the advocacy of other staff in student life," said Vice Provost Janis Somerville, "but to broaden the role she has played on behalf of women include students in general." Complementing rather than supplanting such offices as the Ombudsman's, Ms. Tracy is to "raise issues, identify potential systemic problems, and provide students with basic information that will enable them to take advantage of existing services."

Ms. Tracy began at Pennsylvania as a secretary took her degree in women's studies FAS. After directing the Philadelphia Women's Bicentennial project she returned to the University to head the Women's Center. She is now a second-year law student at Temple.

In a message to parents unrelated to the Tracy appointment, Engineering Professor and Ex-Ombudsman **Jacob Abel** told fellow Penn parents at orientation last week: "I would like to report that *In loco parentis* is not dead; it is only hiding. Most of us have the feeling that students face threats of a new scale and a new order which differ from those faced a generation ago, and that at the same time the universities have disassembled all the apparatus which once dealt with these problems.

"The recognition of the threats is valid; the university is after all a part of the world at large, although a special part. However, the university is first a humane institution and orders itself to provide a host of human services for its students ranging from medical care, to counseling, to academic advising, to problem solving, to security. The range and quality of these services exceeds by far that of their counterparts a generation ago.

"One difference, though, is that today's student is now *invited* to use these services. The message is 'You may' rather than 'You should.' Beyond the formal organs of student services, the community of students, faculty, and staff does function *In loco familias* in myriad informal and beneficial ways. There are still professors and administrators who are approachable and concerned about student well-being. And what is even more heartening is the new acceptance among students themselves that they may feel and demonstrate concern for each other.

"While it would be gratifying to assert that

everyone your children will meet here is so oriented, it will be part of their education to learn that it is not the case. Regrettably, that reality from the world at large also intrudes here."

*About PENN PEOPLE: This section will periodically summarize honors and achievements of Pennsylvania faculty and staff, and will track changes in leadership of academic and nonacademic programs.—Ed.*

## Liberal Studies

The Liberal Studies program offers graduate seminars on themes which cross traditional academic disciplines and provides participants with new ways of looking at information. Drawing upon the faculty of all 14 schools of the University, participants have access to research from the basic disciplines as well as the professional schools.

Seminar topics cover five categories: Science and Technology; The Arts: Culture and Aesthetics; Social Institutions and Social Theory; National Development and International Relations.

Seminars offered this fall include: Economic Resources and the Development of Technology, Architecture and Urban Form, Literature and the Media, Education in America, Urban Racial and Ethnic Relations, Nations and Nationalism, Assessment of Technology, The American National Community, The Arts, Taste and Public Planning, and American Foreign Policy and Interdependence.

The seminars meet one evening a week for a 12-week semester, beginning the third week of September. The only requirement for registration is a bachelor's degree.

For more information and registration call the Liberal Studies office at Ext. 6967.

## Technology/Medicine

The ways in which science, technology and medicine are influenced by underlying contemporary values and political choices will be explored in Social Imperatives and the Development of Science, *Technology and Medicine*, a series of nine monthly programs at the University.

The program is being offered by the College of General Studies, Faculty of Arts and Sciences, with the cooperation of the Department of the history and sociology of science. The public is invited to attend any or all of the programs. While admission is free, registration is limited and pre-registration is requested.

Each session meets the criteria for two credit hours in Category I of the Physician's Recognition Award of the American Medical Association. For more information, call GCS at Ext. 6493.

Over the summer, Almanac published two issues.

Following is a summary of the major items published during the period, with updates to some information.

The new publication date is Tuesdays (except during breaks, when Almanac publishes only as needed.) The deadline for unsolicited copy is noon on the Tuesday before the date of issue, but lengthy material should be discussed earlier to ensure space. Exceptions are made for breaking news, and for letters to *Speaking Out*, a column in which readers may comment on University affairs, challenge previously published opinion, or raise new issues. —Ed.

## Summer in Review: Strikes and Other News

### Strikes Settled

Strikes by two groups of University employees were settled last month, allowing returning students and faculty a normal move-in.

Forty-six campus police officers, members of Local 506 of the United Plant Guard Workers of America, went on strike August 1 when their contract expired.

That labor dispute was settled August 13 with a new three-year contract. Among the agreements are a nine percent wage increase and market adjustment for the current year, a 10 percent wage increase next year, and a wage reopener in the contract's third year.

Executive Director of Personnel Relations Gerald L. Robinson explained that the market adjustment "was a recognition by the University that some kind of adjustment was necessary to bring us up to par with other campus police forces."

More than 300 housekeepers, members of Local 115 of the International Brotherhood of Teamsters, were out of work for much of August, first honoring the picket lines established by the University police and then striking themselves. Their contract with the University expired August 1 also.

A new one-year contract with the Teamsters was announced August 26. It provides for a nine percent wage increase and other benefits, including a contribution to the Teamsters Local 115 dental plan, to be implemented beginning April 1981. The agreement also calls for a lump sum payment of \$110 to each individual employee.

Funds for the lump sum payment and the dental plan contribution come from money owed to the housekeeping employees for an unimplemented 1977 contractual agreement to pay uniform costs.

### Hiring Deferred

A \$2 million cut in the University's state appropriation effected a hiring deferral of non-faculty personnel on unrestricted accounts (subledgers 2 and 3). Exceptions to the deferral will be granted by the Hiring Review Group if it can be shown that the positions requested are vital to preserving the quality of the University.

The University and the other 25 institutions affected will receive funds at the anticipated levels until October allowing them time to make budget adjustments.

President Martin Meyerson and Provost Vartan Gregorian issued a joint memorandum in August responding to the appropriations cut. (*Almanac*, August 14, 1980).

(On page 4 of this issue, another update.)

### Athletic Report

The *Report on the Findings of the Alumni Committee on Athletics* was published in the August 14 issue of *Almanac*. Additional copies of the report are available at the *Almanac* offices, 3533 Locust Walk.

(For those making a full study of athletics policy issues, see also *Almanac* January 16, 1979, for SAC and other reports.)

### \$1 Million Over Goal

The Program for the Eighties went over the top this summer. Trustee Chairman Paul F. Miller reported at the July 30 executive board meeting that the campaign total reached \$256,050,118 at the end of June, about \$1 million more than the campaign's \$255 million goal.

As of June 20, campaign funds had been received from the following sources in the following amounts:

- \$127,103,064 from individuals,
- \$40,478,892 from corporations,
- \$67,836,057 from foundations,
- \$19,781,105 from associations.

Those funds will be allocated for the following purposes:

- \$76,718,275 for endowments,
- \$134,604,259 for term funds,
- \$75,800,000 for facilities.

(*Almanac*, July 10, 1980, page 1)

### Legal History Center

A Center for Advanced Studies in Legal History was established this summer and

Professor Alan Watson, formerly Professor of Civil Law at the University of Edinburgh, was appointed director.

The new center will expand present curriculum offerings in legal history and foster further research in the Western legal tradition. (*Almanac*, July 10, 1980, page 2)

### United Way 'Open'

United Way of Southeastern Pennsylvania this summer adopted new policies on controversial services and admission to the organized fund-raising effort.

Under the new policies, University contributors can designate non-United Way agencies to receive their gifts if they so desire. In addition, United Way decided that only its executive committee can refuse to fund a potentially controversial program. (*Almanac*, July 10, 1980, page 4)

(The topic is now on the agenda of Council's first fall meeting; see page 3 of this issue.)

### Six to Chairs

Four University faculty members were named University Professors and two others were named to endowed professorships at the June stated meeting of the Trustees.

Ward H. Goodenough was named University Professor of Anthropology in the standing faculty, Irving B. Kravis was named University Professor of Economics in the standing faculty, Robert Mundheim was named University Professor of Law and Finance, and Barbara Herrnstein Smith was named University Professor of English and Communications in the standing faculty.

In addition, Arjun Appadurai, assistant professor of anthropology, was designated the Janice and Julian Bers Assistant Professor of Social Sciences, and Anthony F. C. Wallace, professor of anthropology in the standing faculty, was designated the Geraldine R. Segal Professor in American Social Thought. (*Almanac*, July 10, 1980, page 14)

(On page 6 of this issue: a chair for Dr. June Axinn.)

# DEATHS

**Gerald Butler**, a retired custodian, died August 16. He was 76.

Mr. Butler joined the University in 1973 and was placed on long-term disability in 1978. He is survived by his daughter, Yavonna.

**Catherine Campbell**, a retired custodian, died August 8. She was 79.

Ms. Campbell came to the University in 1947 and retired in 1966. She was employed by the housekeeping department. She is survived by a sister, Mrs. Joseph Maguire.

**Helen Croasdale**, a retired senior records clerk, died July 24. She was 79.

Ms. Croasdale was employed as a clerk-typist by the College of General Studies in 1952. She was promoted to senior records clerk in 1962 and retired in 1965. She is survived by her son, Richard.

**Emeritus Professor Robert C. Hammock** died August 12 in Denison, Texas at the age of 72.

Prof. Hammock graduated from North Texas State University in 1928, and received his master's degree and doctorate from the University of Texas. Before coming to Pennsylvania's Graduate School of Education in 1958, he taught at public schools in Texas and at the University of Alabama. He also held the positions of assistant to the dean and director of the extension school at the University of Texas.

Prof. Hammock taught courses in secondary education at the University. He received two Fulbright fellowships for study in Pakistan: a teaching fellow in 1957 at the University of Karachi and a research fellow at the University of Sind in 1963. He recently completed a book of biographical essays. He is survived by his wife, Velma.

**Fauna Huffman**, a retired bookkeeper, died August 16. She was 83.

Ms. Huffman came to the University in 1949 as a clerk in the School of Veterinary Medicine, and was promoted to bookkeeper in 1950. She became a bookkeeper in the mail service in 1959. Huffman retired in 1964. She is survived by her daughter, Mrs. Kathryn Kiser.

**Joel L. Logan**, a student in the graduate program in the School of Nursing, died suddenly June 28. He was 24.

Mr. Logan entered the graduate program in January 1980 and had completed a little more than the first semester of work. He was the vice-chairperson of the Pennsylvania Nurses' Association. Logan graduated from the University of Indiana in 1977. He is survived by his wife, Bonnie.

## Memorial: Dr. Berwick

There will be a memorial service for the late **Dr. Leonard Berwick**, associate professor of pathology at the School of Medicine, on September 26 at 4 p.m. in the Dunlop Auditorium of the School of Medicine. Dr. Berwick died on July 19 at the age of 65.

Over the summer, memorial services were also held for two other recently deceased members of the University community.

A memorial service for the late **Dr. William T. Fitts**, professor of surgery and former chairman of the department of surgery at the School of Medicine and former chief of surgery at HUP, was held at the Dunlop Auditorium of the School of Medicine on June 30. Dr. Fitts died on June 17 at the age of 64.

A memorial service for the late **Dr. William E. Stephens**, professor of physics and former chairman of the department of physics and former dean of the College of Arts and Sciences, was held at the Rainey Auditorium of the University Museum on July 18. Dr. Stephens died July 17 at the age of 68.

**Dr. Manuel M. Pearson**, professor of clinical psychiatry at the School of Medicine, died August 12 while vacationing in Maine.

Dr. Pearson came to the University in 1940 as a fellow in psychiatry and was appointed instructor in 1941. He was promoted to associate in 1947 and to assistant professor in 1951. He was awarded the Earl A. Bond Award for Excellence in Teaching in 1978.

Dr. Pearson was also senior attending psychiatrist of the Institute of Pennsylvania Hospital and was associated with many area medical institutions, including the former Valley Forge Army Hospital in Phoenixville and the Veteran's Administration Hospital in Coatesville.

He wrote the sixth edition of Strecker's *Fundamentals of Psychiatry* in 1963. He was known for his special treatment of physicians for alcohol and drug abuse problems. He was past president of the Philadelphia Psychiatric Association and a life fellow of the American Psychiatric Association.

Dr. Pearson graduated from Brown University and Jefferson Medical College. He was a lieutenant commander in the Navy during World War II.

He is survived by his wife, Roslyn; two sons, David M. and Lawrence H.; and one grandson.

**Dr. Otto Rosenthal**, emeritus professor in the department of surgical research in the School of Medicine, died July 14. He was 82.

Dr. Rosenthal was born in Germany in 1898 and received his education at the University of Berlin and the University of Freiburg. He began his medical career at the Friedrichshain Hospital in Berlin as an assistant in internal medicine in 1924. This position was followed by a two year stay at the Kaiser Wilhelm Institute (now the Max Planck Institute) in Dahlem. He then held a residency in chemistry at Charite Hospital in Berlin from 1924 until 1925.

Dr. Rosenthal moved next to the University of Berlin, where he served as an assistant in the cancer institute and as head of the department of biochemistry from 1925 until 1933. In that year, Rosenthal, his wife and children were forced to leave Germany when Hitler closed the country's universities to Jews.

Dr. Rosenthal took his growing talents as a chemist and medical researcher to Amsterdam where he served as a resident in a histology laboratory. Emigrating to the United States, he became a medical chemist at the Franklin Institute's Biochemical Research Foundation in 1936.

Rosenthal joined the University's School of Medicine's department of surgical research as a resident in 1937. He was appointed associate cancer researcher in 1941, and was promoted to assistant professor in 1948. He became an associate professor of biochemistry in surgery in 1955 and was made professor in 1962. He was appointed emeritus professor of biochemistry in surgery.

Dr. Rosenthal specialized in enzyme chemistry as applied to medical and surgical research, especially cancer research. He was instrumental in the discovery of cytochrome P-450. He had spent the final years of his life compiling the papers of Robert Musil, an Austrian novelist who had predicted the Nazis' rise to power in Germany.

"Dr. Rosenthal was one of the early Germans who brought cell physiology to this country," said Dr. David Cooper, professor of surgical research and a long-time associate of Dr. Rosenthal. Cooper noted that Dr. Rosenthal was one of the many brilliant scientists, including Albert Einstein, Hans Krebs and Max Planck, who clustered at the Institute during the 1920s.

## To Report a Death

*Almanac* receives most of its obituary notices through the Office of the Chaplain, which is the central office for reporting deaths in the University family. The Chaplain's Office can assist families in a number of ways including various notifications to personnel benefits staff. For advice or assistance, contact Mrs. Una Deutsch, Houston Hall/CM, Ext. 8456.



# OPPORTUNITIES

The following listings are condensed from the personnel office's bulletin of September 4. Because of the delay occasioned by printing schedules, these listings should not be considered official. Some positions may no longer be available.

Bulletin boards at several campus locations list full job descriptions. New listings are posted every Thursday. Bulletin board locations are: Franklin Building: outside personnel office, Room 130; Towne Building: mezzanine lobby; Veterinary School: first floor, next to directory; Leidy Labs: first floor, outside Room 102; Anatomy-Chemistry Building: near Room 358; Rittenhouse Lab: east staircase, second floor; LRSM: first floor, opposite elevator; Johnson Pavilion: first floor, next to directory; Logan Hall: first floor, near Room 117; Social Work/Caster Building: first floor; Richards Building: first floor, near mailroom; Law School: Room 28, basement; Dietrich Hall: first floor, outside E-108.

For further information, call personnel services, Ext. 7284. The University 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). Some positions listed may have strong internal candidates. If you would like to know more about a particular position, please ask at the time of the interview with a personnel counselor or hiring department representative. Openings listed without salaries are those in which salary is yet to be determined.

## Administrative/Professional Staff

**Accountant** (3358) researches problems with vendors on invoices and credit; assists controller as liaison; verifies monetary transactions of various accounts (degree, preferably with accounting; high level of mathematical and analytical skills; familiarity with computer print-outs and ability to operate calculator) \$11,400-\$15,800.

**Assistant Director** (2831).

**Assistant Director** (03055) \$23,600-\$33,250.

**Assistant Director, Telecommunications** (3257) \$14,200-\$19,625.

**Assistant General Counsel** (3332) handles assignments from general counsel and associate counsel; assists in formulation and implementation of institutional strategies for avoiding future legal affairs (J.D. degree; admission to the PA Bar (within one year); one-two years' experience preferred \$20,475-\$28,875).

**Assistant Regional Director** (03167) no longer accepting applications.

**Assistant to the Director of Admissions** (03168) no longer accepting applications.

**Assistant to Director, Annual Giving** (3340) responsible to the director for the efforts of some major reunion classes, with particular emphasis on encouraging large gift totals; identifies, cultivates and solicits major gift prospects (one-three years' direct fund-raising experience preferred; degree, preferably from the University) \$11,400-\$15,800.

**Assistant to Director of Physical Plant** (3352) coordinates activities for special events on campus; coordinates renovation and maintenance projects involving multi-trade work; acts as troubleshooter and liaison between University community and department (degree or five years' experience in physical plant operations; familiarity with University structure) \$14,200-\$19,625.

**Associate Development Officer I** (3273) \$14,200-\$19,625.

**Associate Development Officer II** (3039) \$17,725-\$25,000.

**Applications Programmer I** (3376) monitors production running of computer processes for success or failure; monitors and produces reports concerning on-line storage of data and libraries (one year's experience; good working knowledge of JCL in an OS environment) \$14,200-\$19,625.

**Business Administrator I** (B0621) accounting, budget and grant administration, assists with supervision of support staff, fills out PAF's and TRF's, other related duties (degree, previous experience in grant management) \$11,400-\$15,800.

**Business Administrator II** (03217) \$12,375-\$17,425.

**Business Administrator II** (3346) supervises department budget, secretarial staff and work-study students; schedules classes and writes catalog copy for bulletins (background in budget work, familiarity with University

procedures; supervisory experience helpful, five years' experience at the University preferred) \$12,375-\$17,425.

**Buyer I** (3370) assists buyer in ordering merchandise for department, follows through on all orders to assure they arrive, are quickly processed and reach the sales area rapidly; arranges display and promotions of all merchandise (degree or equivalent pertinent work experience; three years' experience in retail sales, preferably in a university bookstore; ability to supervise others) \$17,725-\$25,000.

**Data Communications Administrator** (2959) \$16,325-\$22,600.

**Director** (03206) \$23,600-\$33,250.

**Director, Student Data** (3320) responsible for development and maintenance of comprehensive student data base, including integration of undergraduate, graduate and professional student records, and for coordination of systems and programs (degree with graduate work in computer and information systems desirable; five years' progressively responsible experience with data systems; knowledge of data base management techniques, MARK IV, COBOL, PL/I, JCL and TSO) \$20,475-\$28,875.

**Employee Representative** (3287) \$11,400-\$15,800.

**Fiscal and Budget Coordinator** (3288) \$16,325-\$22,600.

**Foreman, Residence Shops** (3227) \$14,200-\$19,625.

**Foreign Student Advisor** (3363) handles admission and pre-arrival process for foreign students including financial certification and other forms required by the United States; issues I20 and DSP 66 forms; issues documents for arrival, extensions of stay, border crossings; must stay current on immigration regulations and related matters; provides advice to students concerning immigration, academic regulations (ability to counsel students from different countries; degree; two years' administrative experience) \$11,400-\$15,800.

**Hygienist** (3309) \$12,000-\$14,750.

**Junior Research Specialist** (8 positions) for further information consult campus bulletin boards at locations noted above, \$11,400-\$15,800.

**Manager** (03170) \$14,200-\$19,625.

**Master Scheduler** (03194) \$14,200-\$19,625.

**Programmer Analyst I** (B0360) \$14,200-\$19,625.

**Project Manager** (B0278) no longer accepting applications.

**Radio Station Music Director and Program Coordinator** (B0605) supervises all aspects of music programming; coordinates broadcast schedule; develops live music broadcasts; trains student in broadcast techniques (degree, F.C.C. Third Class License, prior broadcast experience) \$11,400-\$15,800.

**Radio Station Production and News Director** (B0604) develops and prepares news items for broadcast; produces public affairs programs; supervises production techniques (prior experience with radio news and public affairs production and broadcast; F.C.C. Third Class License) \$11,400-\$15,800.

**Radio Station Publicity and Information Director** (B0606) edits and publishes Program Guide, develops and distributes promotional materials; trains students in station publicity and promotion; works on fund-raising projects (degree, journalism major preferred) \$11,400-\$15,800.

**Radio Station Technical Director** (B0603) serves as Chief Engineer, maintains F.M. transmitter and broadcast equipment; supervises and trains volunteer technical personnel, conducts all equipment tests in accordance with F.C.C. regulations (F.C.C. First Class License required; technical school graduate, previous radio experience) \$12,000-\$14,750.

**Research Specialist I** (B0429) \$12,375-\$17,425.

**Research Specialist I** (2 positions) (B0597) performs experiments in cell biology, cell separating, thin-layer chromatography (B.S., three-four years' experience with tissue culture background); (B0627) assists in studies involving the role of prostaglandins and other fatty acid transformation products in human platelet function; involves the use of trace levels of radiochemicals and may involve a minimal amount of work with small animals (degree in chemistry or biochemistry; three years' experience) \$12,375-\$17,425.

**Research Specialist II** (2 positions) (3277) (B0537) \$14,200-\$19,625.

**Research Specialist II** (B0633) conducts studies of x-ray film reading involving eye movement recording and new image display devices; prepares progress reports and publications (B.A. or M.S. in physics or biomedical engineering; three years' experience with minicomput-

ers, PDP-11 preferred, including interface design) \$14,200-\$19,625.

**Stationary Engineer** (2 positions) (03090) (03093) Union wages.

**Superintendent of Utilities** (3242) \$16,325-\$22,600.

## Support Staff

**Administrative Assistant I** (3 positions) \$8,775-\$10,850.

**Administrative Assistant I** (3386) works with advanced Ph.D. students in architecture; handles registration and student records; administers the Kahn Archives (five years' experience and an interest in or knowledge of architecture) \$8,775-\$10,850.

**Administrative Assistant II** (3215) \$9,400-\$11,675.

**Administrative Assistant II** (B0592) prepares and maintains grants and budgets, C-6 forms, PAF's and TRF's; performs all other typing and clerical work as required (good typing and clerical skills; experience with University budgets and procedures) \$9,400-\$11,675.

**Assistant Cashier** (3372) balances transactions daily; counts money and compares amount with cash receipts; makes change and cashes checks or vouchers; prepares daily cash deposits; keeps record of payments and issues receipts; receives money in payment of bills and fees (high school graduate; at least two years' experience; accuracy with, and aptitude for, detailed clerical work) \$7,200-\$8,750.

**Bookstore Cashier** (3 positions) (03219) \$6,750-\$8,600.

**Bookstore Clerk I** (3220) \$6,325-\$7,625.

**Clerk** (3379) acts as receptionist on main desk and answers incoming calls on the call director; sorts and checks personnel data forms and other forms necessary for the registration process; files; willingness to learn keypunch (high school graduate; general clerical aptitude and ability to handle detailed work accurately and efficiently; pleasant telephone manner) \$7,200-\$8,750.

**Clerk IV** (B0634) types purchase orders and related correspondence; organizes files; answers telephone and assists with related clerical duties (aptitude for figures; accurate typing; one-two years' experience preferred) \$8,825-\$10,875.

**Clerk IV** (B0509) \$8,250-\$10,150.

**Coordinating Assistant I** (3320) prepares daily input; maintains batch controls; prepares weekly DP documents; maintains controls and schedules for receipt and distribution of all source documents; all input, output data; processes exceptions reports; training and supervision of part-time employees (high school graduate and formal training in computer operations; 2 years' direct experience in computer operations; good organizational skills; ability to keypunch; CRT experience helpful) \$9,400-\$11,675.

**Coordinating Assistant II** (2 positions) (03197) (B0614) \$10,700-\$13,450.

**Coordinator of Visitor Services** (03123) \$8,775-\$10,850.

**Data Control Clerk** (03029) no longer accepting applications.

**Editorial Assistant** (B0594) administrative, tracks manuscripts and proposals through editorial process and prepares reports; secretarial, daily supervision of manuscript flow, maintains editorial files, types editorial correspondence requested or dictated by two acquisitions editors (degree, preferably in English; fast, accurate typing, dictaphone; highly organized) \$7,975-\$10,150.

**Electron Microscope Technician II** (B0564) prepares electron microscope specimens and routine biochemical procedures involving both laboratory animals and cell cultures; routine biochemical procedures; prepares electron microscope specimens; performs routine examinations of specimens; responsible for photographic projection printing; performs related duties (B.S. degree, E.M. experience preferred, mechanical aptitude) \$10,700-\$13,125.

**Electronic Technician II** (3254) \$10,700-\$13,125.

**Electrician I** (2794) performs necessary duties in conjunction with the operations of the University's electrical system (experience in 3 phase power systems, electrical construction and installation of electrical conduit) Union wages.

**Equipment Technician** (3278) operates, edits, records, playback, handles routine maintenance, minor repairs and scheduling of audiovisual equipment; maintains inventory of equipment and supplies; trains and supervises work-study students to operate equipment (degree preferred; two years' experience operating

audio-visual equipment; college level coursework in communications) \$7,700-\$9,425.

**Foreman of Farm Unit** (B0518) \$6,900-\$8,825.

**Gardener** (3256) Union wages.

**Junior Accountant** (3362) prepares data, schedules and conducts exit interviews for graduating students; coordinates data into accounting records; contact with students, graduates and alumnae concerning loan repayments, and problems relating to loans (high school graduate, some college education preferred, particularly in accounting; ability to learn laws and regulations pertaining to loan funds, both government and university) \$8,775-\$10,850.

**Mechanician I** (03081) Union wages.

**MCST Operator** (2482) \$8,250-\$10,150.

**Office Automation Operator** (3004) \$7,700-\$9,425.

**Photographer/Medical** (B0613) takes, develops and processes black and white, color and fluoro photographs, runs a photographic laboratory, makes slides and illustrates medical drawings (photographer and processor with five years' experience in photographic laboratory) \$12,000-\$14,750.

**Psychology Technician I** (B0495) \$10,700-\$13,125.

**Receptionist** (03126) \$6,725-\$8,175.

**Repairs Expediter** (3350) expedites complaints regarding maintenance, housekeeping, construction, and other facilities services; provides secretarial support including typing, record-keeping and file maintenance (high school graduate; vocational and commercial background preferred; good typing skills; knowledge of maintenance, housekeeping, construction methods) \$8,775-\$10,850.

**Research Bibliographer II** (B0630) compiles data to aid researchers, summarizes information and presents data in precis form; manages data and clinical files; prepares and maintains bibliographies of researched materials, assists in editorial work involving researched information, aids in analysis of data, typing of precis, reports, and manuscripts (experience as a research data coordinator, excellent writing skills, ability to abstract relevant data as related to assignments, some college experience) \$9,400-\$11,675.

**Research Laboratory Technician I** (B0602) handles laboratory animals; administers medications and anesthetics, performs routine hematology, parasitology, serum chemistries, necropsies and minor surgical procedures; lab recordkeeping data analysis, develops new techniques; orders supplies (recent graduate of an animal technology program) \$8,550-\$10,375.

**Research Laboratory Technician II** (2 positions) (B0624) performs routine laboratory work including hormone and enzyme assays; orders supplies; injects animals and removes tissue (B.S.; familiarity with laboratory techniques preferred); (3365) performs routine

hematologic, parasitic, and clinical chemistry tests in a clinical pathology laboratory (B.S. or graduate from medical technical program; familiarity with automated equipment) \$9,600-\$11,700.

**Research Laboratory Technician III** (3 positions) (B0628) prepares tissue cultures and reagents; performs tissue culture experiments, radioisotope and microscope work; assists in surgical procedures in laboratory animals (experience in sterile techniques, tissue culture and hematology desired; college graduate, preferably a biology major; some direct experience as a research laboratory technician); (B0635) prepares cell cultures, immunological assays and biochemical separations or other procedures (B.S. in biology or chemistry); (B0632) micro-electrode construction, histology, experimental set-up, orders and stocks supplies, prepares solutions (degree; familiarity with basic chemistry and physics; good mechanical aptitude) \$10,700-\$13,125.

**Research Laboratory Technician III** (13 positions) \$10,700-\$13,125.

**Secretary I** (2 positions) \$7,200-\$8,750.

**Secretary II** (12 positions) \$7,700-\$9,425.

**Secretary III** (26 positions) \$8,250-\$10,150.

**Secretary, Medical/Technical** (15 positions) \$8,775-\$10,850.

**Secretary IV** (03121) arranges appointments and meetings; prepares and maintains file system; screen correspondence; types confidential material (ability to type with speed and accuracy; superior communication and organization skills, initiative, good judgment; familiarity with the University) \$9,400-\$11,675.

**Secretary, Limited Service** (B0405) hourly wages.

**Senior Admissions Assistant** (03107) no longer accepting applications.

**Stack Attendant** (3385) shelves and stores library materials in accordance with the appropriate classification system; maintains the order of materials; substitutes for desk clerks and exit attendants; provides directional information and assistance in locating materials; occasionally serves as messenger to campus and off-campus points; works on shifting projects within the library; packs books for moving or shipment. Union wages.

**Supervisor, Herdsman** (B0308) \$15,292-\$19,606.

**Supervisor, Mechanical Systems** (2791) \$14,100-\$17,850.

**Technical Typist** (B0549) \$7,700-\$9,425.

**Typist II** (B0487) \$7,200-\$8,750.

## Part-time Positions

Seven part-time administrative/professional positions and 18 part-time support staff positions are listed on campus bulletin boards.

## Day Care Available

The Parent-Infant Center, located on the grounds of the old Divinity School at 4205 Spruce Street, offers educational day-care for children from three months to five years of age.

There are now several openings for children three years and older, and there is a waiting list for the younger children's unit. The fee is \$70 per week in the infant-toddler unit (for children under three) and \$50 per week in the pre-school unit (children three and older).

The Parent-Infant Center, now administered by parents and staff, had been affiliated with the Penn Children's Center.

The Parent-Infant Center is open 8 a.m. to 6 p.m. all year except the week between Christmas and New Year's Day when it is closed. Call Ext. 4180 for more information.

## Preceptors Wanted

The American Foundation for Negro Affairs seeks preceptors (both clinical and basic science) for highly motivated minority students from area high schools. The students are in the 10th, 11th and 12th grades.

The School of Medicine has been providing faculty preceptors for this program since its inception in 1968. Students receive a stipend under a government grant from the foundation. The students participate in the preceptorships several afternoons a week during the academic year (September-June); some students are available for summer preceptorships.

For further information, call Iona H. Lyles, assistant director for minority affairs, 1 Medical Education Building, Ext. 4409.

## UNIVERSITY OF PENNSYLVANIA EVENING BUS SCHEDULE

	MON-FRI	MON-FRI	MON-FRI	7 DAYS PER WK	7 DAYS PER WK	7 DAYS PER WK	7 DAYS PER WK	7 DAYS PER WK	MON-FRI	7 DAYS PER WK	7 DAYS PER WK	7 DAYS PER WK	7 DAYS PER WK	MON-FRI
Houston Hall	4:50pm	5:10pm	5:55pm	6:40pm	7:30pm	8:05pm	8:50pm	9:25pm	10:10pm	10:45pm	11:30pm	12:05pm	12:40pm	1:10am
33rd & Walnut	---	5:14	5:59	6:44	7:34	8:09	8:54	9:29	10:14	10:49	11:34	12:08	12:44	1:14
30th Street Station	---	---	---	6:49	---	8:14	---	9:34	---	10:54	---	12:12	---	---
36th & Walnut	---	5:16	6:01	6:54	7:36	8:19	8:55	9:39	10:15	10:59	11:35	12:15	12:46	1:16
38th & Walnut	---	5:18	6:03	6:55	7:37	8:20	8:56	9:40	10:16	11:00	11:36	12:16	12:47	1:17
39th & Spruce	4:55	5:22	6:07	6:56	7:38	8:21	8:57	9:41	10:17	11:01	11:37	12:17	12:48	1:18
40th & Baltimore	5:00	5:24	6:09											
42nd & Baltimore	5:02	5:26	6:11											
42nd & Chester	5:04	5:28	6:13											
43rd & Baltimore	5:05	5:30	6:15											
46th & Springfield	5:08	5:32	6:17											
48th & Springfield	5:10	5:34	6:19											
47th & Baltimore	5:13	5:37	6:22											
47th & Pine	5:17	5:40	6:25											
44th & Pine	5:20	5:43	6:28											
44th & Spruce	5:22	5:45	6:30											
42nd & Spruce	5:24	5:47	6:32											

The Campus Bus operates on the above schedule from September 2, 1980 through December 19, 1980 with the exception of November 20, 21, 22 and 23. It resumes on January 6, 1981 and operates every night through the Friday preceding Memorial Day.

The Bus is free, but Penn I.D. (or HUP, Drexel I.D.) is required. The University has a cooperation with Drexel University permitting Penn riders to use their buses upon shoring U of P I.D. cards. Drexel buses leave from their Library parking lot at 33rd between Market and Chestnut and serve Powelton Village and 30th Street Station. Drexel schedules are available from the U of P Office of Transportation & Communications, P-107, Franklin Bldg.



# 1984

by Vartan Gregorian

We are all familiar with the world depicted by George Orwell in *1984*—a completely dehumanized and totalitarian society. Under the control of a faceless, monolithic Party, this is a society where the only permissible political act is abject adoration of the leader, Big Brother. Not only human life but human nature is controlled at all levels. There is no pity, love, or family; it is a society in which children not only betray their parents, but parents like the ever-perspiring good Party man Parsons are *proud* of such keen Party spirit in their malicious offspring.

But it is also a society which goes beyond such trappings of totalitarianism to achieve the ultimate in control and dehumanization: in the society of 1984 all are deprived of both past and future, and each life is locked in a perpetual present. A Party slogan says: "Who controls the past controls the future; who controls the present controls the past." The past is constantly being fabricated, distorted, or destroyed. No documentation of it exists; all papers, books and notes are rewritten and the originals sent into the "memory hole." Even the literature and the language of the past are destroyed, to be replaced by gibberish versions of Kipling and Newspeak. But it is not just the written past which is manipulated and destroyed. Human memory has become just as variable and erasable. Winston Smith, whose daily job in the Ministry of Truth is to rewrite and erase the past, commits the greatest crime in the society of 1984—he remembers the past and he pursues it. Winston seeks any fragment untouched by the Party which embodies the past—a glass paperweight, an old-fashioned room in a second-hand shop, an old man who can tell him how life really was before the Revolution. For as he says: "If the Party could thrust its hand into the past and say of this or that event, *it never happened*—that, surely, was more terrifying than mere torture and death."

If there is no past, then there can be no future. The society of 1984 holds out no promises, no hopes for the future—only continual war and imaginary claims of major improvements in a meager and bleak daily life. "History has stopped" in this world; "nothing exists except an endless present in which the Party is always right."

The society of 1984 not only rejects history as the record of human triumph and folly, but along with it erases what history teaches us of growth and progress and of the possibilities of an infinite advance for mankind. 1984 rejects our culture and values, and with them the humanistic traditions of the western and non-western societies alike. It rejects the individual as a unique being, a unique moment in the Universe, a rational, spiritual being, torn between our limitations and our potentialities, caught between the finite and the infinite, between mortality and immortality, security, and freedom, between agony and the pain of struggle and the joy and ecstasy of being and becoming. 1984 rejects tragic dimensions of human nature, the loneliness of the individual in the immense journey as depicted among others by Pascal and Goethe. It rejects the Faustian man who never shuns the incessant progress of the intellect, challenging his fate, challenging the unknown, defying nature and natural laws, rebelling against God and human limitations but always ready to assume full moral responsibility for his actions.

1984 rejects the notions of dignity of man as enunciated by Petrarch when he proclaimed the idea of human equality, and of Pico de Mirandola in his moving oration on *Human Dignity* when he makes God tell Adam:

I created thee a being neither heavenly nor earthly, neither mortal nor immortal only, that thou mightest be free to shape and to overcome thyself. Thou mayst sink into a beast, and be born anew...

1984 rejects not only classical, liberal, conservative conceptions of human nature and dignity and freedom, but those of the existentialists who spoke of man as a subject refusing to be treated as object: man responsible for what he or she is. 1984 even rejects historical ethical concepts of Marxist humanism as set forth by Engels when he said, "Freedom consists in the control over ourselves and over external nature, a control founded on knowledge of natural necessity..." or of Marx when he wrote, "History is *nothing* but the activity of men in pursuit of *their* needs."

There are only two conceptions of human ethics, and they are at opposite poles. One declares the individual to be sacrosanct, and asserts that the rules of arithmetic are not to be applied to human units. The other starts from the principle that a collective aim justifies all means, and not only allows but *demand*s that the individual should in every way be subordinated and sacrificed to the Community.

1984 would accept the latter conception but would go a step further—it would eliminate even the moral conviction that led the characters to choose the option. In the words of Hannah Arendt, "the aim of totalitarian education has never been to instill conviction but to destroy the capacity to form any."

By eliminating history, eliminating humanistic value systems and moral convictions, Orwell's 1984 applies a total control, total regimentation and homogenization. In the name of social organization that may or may not be able to supply efficiently man's needs for goods, that fictional (but all too plausible) society stultifies the spirit, destroys personality, standardizes thought and action and leads to the stagnation of the creative process.

The coming generation cannot, must not and will not accept such a 1984 or any other date that will herald the triumph of a dehumanized society. We cannot commit historical and cultural suicide. For the past is our heritage, the present is our domain and the future is ours to shape.

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*About PERSPECTIVES: For several years, the University of Pennsylvania has been one of the few institutions in the country making an active effort to bring scholars to bear on public thought by distributing faculty and analysis and opinion through its News Bureau. Faculty are invited to submit signed articles of 1000 words or so, written especially for PERSPECTIVES or edited for the general reader from existing papers and speeches. (Call News Bureau Director Ed McFall at Ext. 8721, or send text to him at 510 Franklin Building/16.)*

*This text is condensed from the Provost's address to entering students at Opening Exercises on September 1.*

*As space permits, Almanac will publish such articles experimentally during the fall semester, then evaluate campus response to this use of space. —Ed.*