

Almanac

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HONORS

President Gerald Ford has awarded the President's National Medal of Science for 1974 to *Dr. Britton Chance*, professor of biophysics and physical biochemistry in the Medical School. One of twelve recipients, he was honored for his "contributions to our knowledge of cellular and sub-cellular physiology." Dr. Chance, who joined Penn's faculty in 1948, ranks second among the 50 most cited authors in the world according to an article on citation analysis in the May issue of *Science* magazine.

The Academy of Arts and Letters has presented the Arnold W. Brunner Memorial Prize in Architecture to *Lewis Davis*, Penn alumnus and architect of the upcoming Quadrangle renovation, for "consistently producing architecture as an artform."

Two awards of the Philadelphia Professional Chapter of Women in Communications, Inc. were made to Penn people: one to *Mary Anne Meyers*, contributing editor of the *Pennsylvania Gazette* and member of the President's Office staff for her *Gazette* feature "The Story of David"; the other to *Karen Gaines*, editor of *Almanac*, for best communications effort by a nonprofit institution.

Penn Medical School alumni who have served as externs in the Student Health Service at HUP have established an award named in honor of *Dr. Paul F. Schrode*, Medical Director of the Service since 1955. Dr. Deborah Morgan Davenport, a service extern this year, was the first recipient of the Dr. Paul F. Schrode Award that will be given annually to a graduating medical student who "has shown outstanding and continued excellence and dedication in both the art and science of primary health care."

Citations and awards of the late *Dr. George Taylor* have been placed on permanent display in Taylor Hall (B-10 Vance Hall). Former professor of industry in the Wharton School, Dr. Taylor also served as labor advisor to five U.S. presidents.

Dr. K.C. Tsou, associate professor of chemistry in surgical research, has been appointed to a four-year term on the editorial board of the *Journal of Histochemistry and Cytochemistry*.

Dr. Julius Wishner, professor of psychology, was honored with a biographical monograph by the *Revue de Psychologie Appliquée*.

Amherst College has conferred an honorary Doctor of Science degree on *Dr. Irving J. Wolman*, profesor emeritus of pediatrics and former head of the pediatrics division of the Graduate School of Medicine.

NEWS IN BRIEF

TRUSTEES: BUDGET AND OTHER ACTIONS

The Trustees in their full meeting on June 6 passed a \$279.7 million budget (pages 4-5). They elected to a five-year term William D. Patterson, who for the past two years has headed the record-breaking Annual Giving campaign; and reelected Morton H. Wilner to his second five-year term. Other actions: pages 4-5.

ATHLETICS DIRECTOR: ANDY GEIGER

Andy Geiger, athletic director of Brown University for the past three years, has been named to succeed Fred Shabel as Director of Recreation and Intercollegiate Athletics here. Praised by local press for his turnaround of Brown teams ("from doormat to Ivy Power") and by search committee chairman Alice F. Emerson for making a \$2000 women's athletics program into a \$102,000 one, Geiger had served at Dartmouth as crew coach and at Syracuse as assistant athletic director. He has also been an assistant commissioner of the Eastern College Athletic Conference.

ACTING DEAN: LOUIS POLLAK

President Martin Meyerson and Provost Eliot Stellar have announced the selection of Louis H. Pollak, Albert M. Greenfield Professor of Human Relations and Law, as Acting Dean of the Law School effective July 1. The search for a permanent dean will continue, Provost Stellar said.

Professor Pollak joined Penn's faculty in 1974 following twenty years as professor of law at Yale, where he served as dean of the Law School from 1965-70. Widely known for his work in the field of constitutional law, he is the author of a major two-volume history of the Supreme Court. He succeeds Bernard Wolfman who will continue on the faculty as Kenneth W. Gemmill Professor of Tax Law and Tax Policy.

ONE-DAY SURGERY

In by 8, out by 5: more than 2,000 people a year will be able to come to the Hospital of the University of Pennsylvania in the morning for minor surgery, diagnostic tests and X-rays, biopsies, blood transfusions and other procedures that can be done in a short time, and still be home for dinner. An 11-bed Short Procedures Unit (SPU) is being built this summer to accommodate patients who otherwise would have to stay overnight in the Hospital.

A major portion of the cost will come from the proceeds of the 1975 University Hospital Antiques Show. The Show's honorary chairman, Mrs. Moreau D. Brown, and co-chairmen, Mrs. Robert

L. Mayock, and Mrs. Edwin C. Donaghy Jr., announced on June 11 that to date the 1975 Show had netted \$116,000, and additional funds are anticipated when all the figures are complete.

This brings the cumulative proceeds given to the Hospital since the Show's inception in 1962 to \$1,102,963.32.

The new SPU unit will consist of four patient rooms, accommodating 11 people, a lounge, office and nursing station. Patients will be admitted in the morning. Surgery and biopsies will be performed in existing operating rooms, and patients will return to the SPU for the recovery period. When the special gastrointestinal laboratory is built nearby, endoscopies, secretory studies and similar diagnostic procedures will be done there, with patients staying in the SPU.

The SPU offers many advantages—to patients, to the Hospital, to physicians, and to the cooperating insurance carriers, Blue Cross, Medicaid and Medicare:

- Admissions procedures will be simpler and less costly.
- One-day care is considerably less costly to the Hospital, and thus to insurance carriers and patients.
- The Hospital can offer services to many more patients.
- Patients with children do not have to be away from them overnight.

MEDICAL SCHOOL: DEPARTMENTAL MERGER

The department of biophysics and physical biochemistry and the department of biochemistry have been merged as of July 1. "We have come to the point in this Medical Center where the disciplines of biochemistry and biophysics are intellectually indivisible," a statement by the joint faculties said.

To facilitate the merger, Drs. Britton Chance and James J. Ferguson Jr. have resigned as chairmen of the former departments; but both will retain their professorships in the new one. In addition, Dr. Chance will continue as director of the Eldridge Reeves Johnson Foundation for Medical Physics and as Eldridge Reeves Johnson Professor of Biophysics and Physical Biochemistry. Dr. Ferguson has assumed new responsibilities as Associate Dean for Institutional Research and Graduate Education.

Dean Edward J. Stemmler has asked Dr. Takashi Yonetani, professor of physical biochemistry, to assume leadership of the new department on an interim basis, and a committee is now being formed to select a permanent chairperson.

BOOKSTORE DIRECTOR: GERALD RITCHIE

Gerald T. Ritchie has been named director of the University Bookstore, George Kidd Jr., director of auxiliary services, has announced. Assistant director and merchandise manager for the last three years, Mr. Ritchie joined the staff in 1968 as assistant textbook manager. He is an alumnus of Louisiana State University and has done graduate work there and at Temple.

SUMMER PROGRAMS FOR LOCAL YOUTH

More than 500 children from West Philadelphia will participate in recreational and employment programs at Penn this summer.

Headed by Director of Recreation Ronald Bond, a five-week DHEW-supported program will offer 400 youngsters instruction in swimming, basketball, tennis and other sports; free medical and dental care; and day trips to New Bolton Center, the Franklin Institute and other points of interest in the area. In addition, Sheerr Pool in Gimbel Gym will be available to community groups during July through a program sponsored by Penn's department of recreation.

Over 100 high school students will hold jobs for eight weeks in a variety of University offices and facilities as part of the U.S. Department of Labor's Neighborhood Youth Corps project.

IMPROVEMENTS IN HEALTH BENEFITS

By action of the Trustees, the University's health insurance and long-term total disability programs have been improved, and University-paid health insurance coverage has been extended to post-doctoral fellows and to retired persons.

1. Beginning July 1, 1975, the University will pay health insurance premiums for all retired people. This will help retirees with their health insurance costs and provide a little relief from recent inflationary pressures. Most retired people are covered by Blue Cross's "65 Special" plan which is designed to meet certain medical expenses not covered by Medicare.

2. Effective July 1, 1975, University-paid single and family Blue Cross, Blue Shield, and Major Medical coverage will be provided for post-doctoral fellows on the University payroll who have completed six months of service. This change will extend this benefit to post-doctoral fellows and other fully-salaried, partially-affiliated academic employees who had not previously been included.

3. Also effective July 1, 1975, the University's Long Term Total Disability program has been improved in the following ways:

A. Increase the monthly benefit from 50% to 60% of monthly salary at the time of disablement.

B. Increase the maximum monthly benefit from \$1,000 to \$1,500.

C. Retain full face value of group life insurance for employees covered by the long term total disability program. The University will assume the portion of payments formerly offset by insurance reductions.

D. Eliminate the requirement that the University's contribution to disability payments must be reduced if Social Security benefits are increased after the time of disablement. Eliminating this offset permits persons on disability income to gain the full benefit from any Social Security cost-of-living increases while they are disabled.

4. Effective August 1, 1975, with the beginning of a new Blue Cross contract year, the Blue Cross and Major Medical programs will be improved as follows:

A. The Blue Cross plan will change from our present CO-PAY COMPREHENSIVE plan to a new plan called CO-PAY PREFERRED-5.

This new plan increases the number of hospital days covered and requires a \$5 co-payment for only 10 days instead of 15. With the \$5 co-payment, the new plan also provides improved out-patient benefits including medical emergencies and increased allowances for x-ray, diagnostic and pathology services.

B. Major Medical insurance has been improved by an increase in the lifetime maximum from \$25,000 to \$250,000. When the amount covered by the claim exceeds \$10,000, Blue Cross will pay 100% instead of 80% of coverage. The maximum for mental-nervous illness is increased from \$10,000 to \$25,000.

The new plan will include language guaranteeing a maximum of 50 outpatient psychiatric visits per year. For those who have Blue Cross and Blue Shield coverage (either with the University group or elsewhere) the Major Medical deductible will be a flat \$100 per year per person instead of the present 2% of salary. These changes will also include a shift in the claims year from the present fiscal year basis to a calendar year basis. This last change should help make the claims procedure more convenient since most people and most medical offices keep their records on a calendar year basis. The other changes add broader and more complete coverage to this vital insurance.

Blue Cross is now preparing a revised Health Benefits booklet which will include the new features of our plans. It is anticipated that the new booklet will be available for distribution in the fall. Revised statements of the Long Term Total Disability Plan are being prepared and will be distributed within the next few months.

The Personnel Benefits staff will provide you with additional information upon inquiry.

—James J. Keller
Director of Personnel Information Services

The Bicentennial

Most would agree that last May's Commencement, announced as just the beginning of the Bicentennial Celebration at Penn, was truly "a magnificent party." It was also a hard act to follow. Would it illuminate—or outshine—the rest of the show?

The preview of coming attractions recently announced by the University's Bicentennial Coordinating Committee should silence all skeptics: Commencement was indeed a prelude. The roster of events scheduled for the next eighteen months is various enough to reflect—and intrigue—a campus population with interests ranging from chamber music to computer science.

Such diversity isn't surprising. Although the much-promoted stereotypes of a ruffle-capped Betsy Ross and eternally cracked Liberty Bell would seem to relegate the bicentennial to Madison Avenue, Penn's 28-member Coordinating Committee was hardly the creature of pop historians; representatives of 26 academic disciplines selected the programs for University sponsorship.

Chaired by Senior Vice-President for Management Paul O. Gaddis with FAS Dean Vartan Gregorian serving as program chairman, the Committee established its standards in 1973. The capacity of a program to make a permanent intellectual contribution was "the first and foremost criteria" cited. Besides relevancy to the American experience, the theme of "a multicultural society" was to be encouraged and with it, the participation of both international and local scholars.

Secretary of the Corporation William Owen, who planned Commencement exercises, estimates that over 400 people were involved in the spring fete. It's a fairly safe prediction that at least twice that number will make the second stage of Penn's bicentennial program more than a pipedream. Fran Harriman, who recently joined the staff as bicentennial coordinator, will supervise the effort. The producer and moderator of WMMR's *Up from the Pedestal* was formerly director of communications for the Greater Philadelphia Cultural Alliance and an administrative aide to John Bunting when he headed the Bicentennial Corporation.

In announcing Penn's program Dean Gregorian remarked that it would proceed in a manner "befitting the economic realities of the times and the spirit of '76." Happily enough, austerity hasn't precluded originality; many of the projects below are as unique as the Revolution that started it all.

A BICENTENNIAL CALENDAR

Bicentennial College. 1975-76 academic year. Registration began last spring for some of the 38 undergraduate courses that cover every aspect of colonial America from religion to economics. Funded by the NEH, the College will combine Penn's resources with those of Temple, Bryn Mawr, Swarthmore and Haverford, as well as the American Philosophical Society, the Historical Society of Pennsylvania and the Library Company of Philadelphia. Distinguished visitors and postdoctoral fellows will participate in a lecture series, tutorial program, conferences and a publication program. Associate Professor Richard Beeman, who designed the project, hopes it will make Philadelphia's unique resources accessible to young scholars and undergraduates.

Chamber Music. November 4-7, Bellevue Stratford Hotel. There are more ways than one to commemorate an anniversary: Penn has commissioned Pulitzer prize-winning composer Mario Davidovsky to create a major piece of chamber music for the bicentennial. The Penn Contemporary Players, directed by Richard Wernick, will give the premiere performance during the bicentennial year meetings of the American Musicological Society. Professor Davidovsky is a member of

the C.C.N.Y. faculty and associate director of Princeton's and Columbia's Electronic Music Center.

Computer Museum. Winter 1976 at CEAS. It may suggest 1984 rather than 1776, but in fact, Penn's Computer Museum commemorates still a third date: 1946, the year that ENIAC, the world's first large-scale all-electronic digital computer, was developed at the Moore School. Museum displays will include components of the 30-ton 18,000-vacuum tube ENIAC plus parts or replicas of EDVAC and UDOFT, two more early computers. Archives documenting the invention of ENIAC and a continually updated reference system will be installed for scholars.

The Frankford Bicentennial Community Project. Originally settled by slaves and freemen domestics, the 200-year-old community in northeast Philadelphia will be the site of an innovative two-phase program sponsored by the dean of FAS. After Penn faculty and graduate students research the historical and economic development there, the data will be recycled into the area's public schools where children, leaving traditional history books on the shelf, will participate in neighborhood "digs" and other on-the-spot studies of their community.

Learning, Revolution and Democracy, an exhibit chronicling the development of higher education in the Delaware Valley. March 1, 1976. The exhibit is a natural for those who loved rainy afternoons in grandmother's attic. The 1783 writ conferring an honorary Penn degree on George Washington and letters from Bryn Mawr's first president pondering graduate education for women will be displayed throughout the bicentennial year in the new Penn Mutual Building just off Independence Square. Directed by University archivist James Dallett, the exhibit is the cooperative project of Temple, Drexel, Lincoln, Villanova and Thomas Jefferson universities; Haverford, La Salle, St. Joseph's and Swarthmore colleges; and the Medical College of Pennsylvania plus the institutions mentioned above.

Curtis Organ Restoration Project. We've asked the question before: what do you do with more than 10,000 pipes? The answer is still the same: play them. Constructed for the Sesquicentennial Exposition of 1926, the fourth largest organ in the world was a gift to the University from Cyrus H. K. Curtis in 1929. The Curtis Organ Restoration Group, a student organization, will be at work to preserve the treasure.

Philadelphia as a World City. (*Almanac* May 6, 1975). Philadelphia has never been an island unto itself. Through the use of personal interviews, questionnaires and computer analyses, Penn faculty hope to isolate the links between the city and the international community. Six city leaders and fourteen faculty members have been named advisors to the project.

A Symposium: The American Revolution and Eighteenth Century Culture. October, 1976. The political thought, arts, literary trends and intellectual history of the Revolutionary period are the topics to be considered when Penn hosts the symposium sponsored by the American Society for Eighteenth Century Studies. Dr. Paul Korshin, associate professor of English here, will coordinate the conference funded by the NEH.

War or Peace: World Forums. October 8, 1975, and November 19, 1975. Since 1973 the University Museum's four world forums have brought together scholars, politicians and diplomats to publicly debate the questions of global balance between war and peace. The series continues this fall with *Techno-Ecological Bases for Cooperation*, organized by R. Buckminster Fuller who is also director of the project. The November forum, *JROTC: Fears, Beliefs and Humanistic Options*, will be lead by retired U.S. Army Col. Faris Kirkland of Penn's military science department.

Miscellaneous. In addition to the events above, each school of the University will be sponsoring its own program. For example, Wharton has organized several conferences and two exhibits, one of regional fine arts and another on the contributions of the Joseph Wharton family.

Students haven't been idle either. This fall the undergraduate Bicentennial Committee plans a week-long series of seminars, performances and exhibits, while the *Daily Pennsylvanian* hopes to host a meeting of 100 college and university student editors.

TRUSTEES

ACTIONS OF JUNE 6, 1975 INCLUDING THE RESOLUTION TO LAUNCH THE DEVELOPMENT DRIVE IN THE FALL

The Trustees in their open meeting Friday, June 6, took actions ranging from a resolution of appreciation for the Bicentennial Commencement to the adoption of a budget and other major financial actions.

Pending study of changes in pension law the Trustees revoked an action of February 10 revising specific dates of retirement for administrative staff reaching 65. They passed a motion permitting, with safeguards, the sale of certain Museum objects; confirmed campus actions which continue the B.B.A. degree at the Wharton School; noted a change of name for the Department of Statistics and Operations Research to *Department of Statistics*; and formally accepted the Mudd Professorship (*Almanac* June 25).

At the recommendation of the Finance Committee they took actions furthering the Silverstein Pavilion project, including one which allows for cooperation with the Hospitals Authority of Philadelphia: the authorization of a bond issue not to exceed \$35 million. They also voted \$700,000 from current funds for preliminary expenses on the project itself.

Fiscal Year 1976 Budgets Responsibility Centers and Indirect Costs (Figures in \$1000s)

FY 1976 BUDGETS AND COMPARISON TO FY 1975 PROJECTED ACTUAL
RESPONSIBILITY CENTERS AND INDIRECT COSTS

Responsibility Center	Direct Revenue		Subvention	Total Income	Direct Expense		Indirect Expense	Total Expense	Bank Payment Drawdown	Projected Surplus (Deficit)	% Subvention
	Unrestricted	Restricted*			Unrestricted	Restricted*					
Faculty of Arts & Science	22,675	8,381	14,415	45,471	23,345	8,381	13,678	45,404	99	(32)	6.1
Wharton	9,255	4,881	2,050	16,186	7,870	4,881	3,469	16,220	(145)	111	5.8
Fine Arts	2,238	745	1,664	4,647	2,357	745	1,549	4,651	(26)	22	1.1
Engineering	3,413	3,674	2,083	9,170	3,360	3,674	2,049	9,083	61	26	5.4
Education	1,492	699	794	2,985	1,452	699	868	3,019	(35)	1	-14.5
Social Work	982	598	477	2,057	930	598	529	2,057	(2)	2	-8.8
Annenberg School	63	1,058	337	1,458	-	1,058	425	1,483	(26)	1	9.2
Law	2,024	540	1,519	4,083	2,012	540	1,475	4,027	(35)	91	8.0
Medicine	7,701	41,248	4,109	53,058	3,961	41,248	7,851	53,060	19	(21)	1.0
Dental	5,763	3,431	1,727	10,921	5,236	3,431	2,241	10,908	13	-	-7.7
Veterinary	3,790	4,805	2,873	11,468	4,699	4,805	2,326	11,830	68	(430)	4.1
Nursing	1,052	1,064	227	2,343	893	1,064	384	2,341	2	-	-28.2
Allied Medicine	843	85	215	1,143	782	85	295	1,162	(19)	-	-3.7
CGS	1,679	-	(36)	1,643	953	-	688	1,641	14	(12)	
Evening	608	-	144	752	463	-	280	743	(7)	16	
Summer	1,444	-	(298)	1,146	760	-	386	1,146	3	(3)	
Annenberg Center	-	663	500	1,163	59	663	441	1,163	-	-	19.3
Museum	372	540	1,200	2,112	1,106	540	628	2,274	6	(168)	4.7
DIA	1,231	215	1,700	3,146	1,893	215	1,041	3,149	10	(13)	-1.8
Provost	313	3,695	1,506	5,514	1,730	3,695	-	5,425	-	89	247.5
HUP	682	52,764	120	53,566	-	52,764	802	53,566	-	-	
Graduate Hospital	225	18,620	45	18,890	-	19,073	271	19,344	-	(454)	
SPUP	211	1,053	238	1,502	243	1,053	206	1,502	-	-	14.6
Responsibility Center Total	68,056	148,759	37,609	254,424	64,104	149,212	41,882	255,198	-0-	(774)	2.1

*Projected at FY 1975 x 1.08

+Comparisons are to comparable figures before taxes

Indirect Costs									Net Indirect	Net Spread
Library	-	515		515	5,038	515	5,553	5,038	5,054	
Student Services	3,577	982		4,559	3,801	982	4,783	224	428	
Operations & Maintenance	-	-		-	12,867	-	12,867	12,867	12,367	
Auxiliary Enterprise	16,017	517		16,534	16,307	517	16,824	290	622	
General Administration	133	-		133	6,361	-	6,361	6,228	6,388	
General Expense	1,600	1,707		3,307	10,499	1,707	12,206	8,899	9,194	
Space	-	-		-	7,828	-	7,828	7,828	7,828	
Total	21,327	3,721		25,048	62,701	3,721	66,422	41,374	41,881	

The schedule of graduate and professional tuitions was formally adopted for 1975-76:

	<i>Tuition</i>	<i>General Fee</i>
<i>School of Dental Medicine</i>		
Dental Hygiene	\$2,780	\$360
Dental Medicine	4,560	190
Division of Advanced Dental Medicine		
First year	5,200	190
Second year	5,820	190
<i>Wharton Graduate Division</i>		
Second year MBA	3,430	190

In addition, President's Executive Assistant Bruce Johnstone noted that in response to concern from graduate students Vice-Provost Donald Langenberg is restudying the flat dissertation fee of \$480; students have recommended a lower fee for the initial

years of dissertation-writing, and asked for formal leaves of absence without penalty under some conditions.

Trustee Wesley A. Stanger reported that the Associated Investment Fund now stands at \$95.6 million—above book value, and up \$2 million over the past year. Gustave Amsterdam reported on the creation of the Trustees new Real Estate Subcommittee which he chairs with William Patterson and Anthony Minisi.

CHANGES IN STATUTES

Two changes were made in the Statutes of the Corporation: one (XIII) indemnifies the Trustees for legal expenses in connection with suits brought against them in the discharge of their functions here, where actions are taken in good faith and with no reasonable cause to believe the challenged conduct was unlawful.

The other (XIV) sets up a new Investment Board as an "other body" under state provisions, to handle Penn investments; its present members are chairman Wesley A. Stanger, Gustave G. Amsterdam, Julian S. Bers, Henry M. Chance II, Paul F. Miller Jr., Adolph B. Kurz, William S. Woods Jr. and William Richard Gordon.

Robert G. Dunlop announced that an ad hoc Trustees Committee on University Commonwealth Relations would be formed shortly and would bring a policy proposal to the Trustees this fall. (By July 7, the body had been formed: Mr. Dunlop, Margaret R. Mainwaring, John H. Ware, Gustave Amsterdam, F. Otto Haas and Charles B. Dickey are its members.)

Julian Bers reported for the Health Affairs Committee progress toward independence for Graduate Hospital, and Robert E. Trescher reported the Student Affairs Committee's action in setting up a Subcommittee on Electronic Communication to deal with WXPB problems: Morton Willner chairs it, with Gloria Chisum, Laureine Knight, Henry Chance, C.B. McCoy, Anthony Minisi and Sarkes Tarzian as members.

THE DEVELOPMENT DRIVE

John Eckman announced the fiscal year total of gifts at \$30,914,000—an appreciable increase over the record year of 1974-75. He then introduced the resolution the campus had been waiting for since the report of the Development Commission:

WHEREAS, the Trustees of the University of Pennsylvania on January 11, 1974, declared their resolve to begin a major fund-raising campaign in 1975, and directed the administration to refine the program planning, cost calculations and priorities for the University's academic objectives; and

WHEREAS, the academic and fund-raising planning have produced a profile of imperative needs and an outline of the organizational structure and effort required to meet them, and

WHEREAS, the early response of Trustees and others with whom the plans have been reviewed in behalf of the nucleus fund has been almost uniformly encouraging and frequently has been inspiring, and

WHEREAS, the Trustees are convinced of the importance of ensuring the continued existence of the University of Pennsylvania as a distinguished center of learning and research, and are further convinced that this will require a prompt and substantial infusion of funds from private sources; therefore be it

RESOLVED, That the Trustees affirm their commitment to a major development program over the next five years, with a dollar goal of inspirational size, to support specific academic programs and projects of the highest priority, and to place the University's fiscal structure on firmer, higher ground; and be it further

RESOLVED, That the administration be directed to proceed with preparations for public announcement of details of the total program on October 3rd, 1975, subject to the approval of the Trustees at that time.

Fiscal Year 1976 Budgets Projected Expenses and Revenues (Figures in \$1000s)

	1975-76 Initial Budgets		Total
	Unrestricted	Restricted*	
Direct Revenue			
Tuition	56,422	557	56,979
Special Fees	1,077	92	1,169
Scholarship		4,158	4,158
Investment Income	823	4,623	5,446
Gifts & Grants - Private	460	10,044	10,504
Federal		46,487	46,487
State		380	380
Indirect Cost Recovery	9,664		9,664
Sales & Services	4,675	80,654	85,329
Miscellaneous	652	1,766	2,418
Total Direct Revenue	73,773	148,761	222,534
From General University			32,602
Total Available			255,136
Direct Expenditures			
S & W - Administrative	4,613	4,575	9,188
Academic	25,575	29,288	54,863
Clerical	5,283	39,002	44,285
Service	891	6,643	7,534
Total S & W	36,362	79,508	115,870
Employee benefits	8,555	15,396	23,951
Current expense	7,427	47,019	54,446
Equipment	173	3,315	3,488
Student Aid	11,587	3,977	15,564
Total Direct Expenditures	64,104	149,215	213,319
Indirect Costs	Revenue	Expenditures	Net
Student Services	4,559	4,783	224
Libraries	515	5,553	5,038
O & M		12,867	12,867
Auxiliary Enterprises	16,534	16,824	290
General Administration	133	6,361	6,228
General Expense	3,307	12,206	8,899
Space Allocation		7,828	7,828
Total Indirect Costs	25,048	66,422	41,374
Total Direct Expenditures and Net Indirect Costs			254,693
Surplus (Deficit)			443
Total Expenditures			
Direct Expenditures			213,319
Indirect Expenditures			66,422
			279,741

*FY76 restricted budgets are projected from FY75 budgets.

ENERGY

THE FRANKLIN EXPERIMENT

One morning last month a team of five B&G men began the biggest bulb-snatching caper in Penn history: taking out some of the tubes in all of the fixtures, or all of the tubes in some of the fixtures in the Franklin Building.

Much later, a red sign went up on the front door reading "Franklin Building Experimental Energy Conservation Model." (And still later, the same sign appeared on doors of College Hall and Vance Hall.)

The project is reduction to a little less light (and a little less air conditioning now, a little less heat next winter) to try to tame the rampaging power costs of the University. In a recent meeting of the Energy Committee, chairman Ezra Krendel had brought in a report by one of his students showing that Americans overlight their public buildings by 42% compared to Western Europeans. The convention of sweated staff in summer and sweltering staff in winter had already been noted in some Penn buildings, without a statistical study.

Taking a light meter on rounds, an advance man designated which light fixtures were to be tampered with by the B&G crew that would follow.

When it was all over, reaction was unexpected: "I like it better," said a visitor of the now dim lobbies and corridors. "It makes it cool and shady. It's a relief to walk in off the street." Meanwhile, Vice President Fred Shabel predicts savings of \$10,000 a year in the Franklin experiment alone.

With this and other measures (some of them outlined in the Provost's memo at right), Mr. Shabel said the goal is to reduce consumption by 10%. This may or may not mean a 10% cut in costs—the threat is always that rates will again go up. But the only thing we have a clear opportunity to control, he said, is consumption. New ideas on cutting down are welcomed by the Energy Committee chaired by Dr. Krendel, Ext. 8233.

LABOR RELATIONS

CONTRACTS EXTENDED

The employees in the Department of Buildings and Grounds and in the Schools of Medicine, Dental Medicine and Veterinary Medicine who are represented by unions have agreed to extend their collective bargaining agreements through October 15, 1975 according to Labor Relations Director George Budd.

"I appreciate the understanding of our financial situation which these employees have displayed by extending their agreements," added President Martin Meyerson. "I continue to hope we will be able to make salary increases in the fall when the impact of our utility costs, investment income, insurance costs and state appropriations is clear."

HOUSEKEEPING DEPARTMENT ELECTION

On Thursday, June 5, 1975, the National Labor Relations Board conducted a secret ballot election for Housekeeping employees to determine whether Local 1202-United Building Service and Maintenance Employees Union would continue to represent these employees, or if the American Federation of State, County and Municipal Employees, AFL-CIO would become their representative.

The outcome of this election as certified by the NLRB was:

For Local 1202: 237
For AFSCME: 69

CHANGING THE ACADEMIC CALENDAR

The Academic Calendar has been changed, starting in Spring, 1976, for all divisions of the University other than the Schools of Dental Medicine, Law, Medicine, and Veterinary Medicine. The purpose of this memorandum is to inform you of the reasons for the change and to encourage the cooperation of the four excepted Schools as soon as possible in subsequent years. An outline of the new Calendar for Spring, 1976 and Summer, 1976 follows.

1976 Spring Term

January 26-27	Monday-Tuesday	Registration
January 28	Wednesday	First day of classes
March 20	Saturday	Spring recess begins
March 29	Monday	Spring recess ends
May 11	Tuesday	Last day of classes
May 12-16	Wednesday-Sunday	Reading period
May 17-22	Monday-Saturday	Final examinations
May 28	Friday	Commencement

1976 Summer Sessions

May 24	Monday	First day of classes (1st session)
July 2	Friday	Last day of classes
July 5	Monday	First day of classes (2nd session)
August 16	Monday	Last day of classes

After careful study and based on recommendations from the Advisory Committee on Energy Conservation and the Calendar Committee, the Academic Calendar will be modified starting in the Spring of 1976 essentially to extend the Winter recess by two weeks. During this extended recess period much of the University will continue to operate on a habitable, but occasionally less comfortable, level than was usual in previous years.

We have made this change as part of an extensive program in energy conservation. Our energy costs have increased in the last year due almost entirely to higher fuel costs from \$6 million to \$9.6 million! We have every reason to expect that fuel costs will increase in the future. In response to this problem, the following is being done:

a. We are engaged in a variety of technical actions to lower our costs: computerized control for load shedding during peak usage periods; "tuning" the heating, ventilating and air conditioning systems of our buildings to eliminate inefficiencies; lowering the heating and air conditioning levels; cutting back on illumination where neither working conditions nor security is affected. It is of interest that we project an annual saving of \$10,000 from a cutback in lighting in the Franklin Building alone.

b. We are using our classroom facilities more efficiently in the summer session and plan to do so in both the day and evening sessions during the rest of the year. This means coalescing classes into as small a number of buildings as feasible and partially or completely closing excess facilities.

c. We are attempting to so phase our Academic Calendar that we minimize the costs imposed on us by either excessive heat or cold. Based on weather records and our experience in partially closing some buildings during this past Winter recess, we anticipate that the new Calendar will save us approximately \$150,000 based on current energy costs. This figure is based on maintaining habitable, but less comfortable, buildings during the longer Winter recess. It should be possible for normal work to be carried out under these conditions.

The actions listed above all involve our becoming accustomed to a less comfortable way of life. This cannot be pleasant, but we have little choice. Should you have any questions or suggestions on our energy-conservation programs, the Advisory Committee on Energy Conservation will be pleased to help. Simply call Dr. Ezra S. Krendel at extension 8233.

— Eliot Stellar, Provost

APPOINTMENTS

The following APPOINTMENTS are based on Trustees' actions completed October 12, 1974 through May 20, 1975. They reflect personnel actions that cleared the Provost's Staff Conference through the end of May. Unless otherwise noted (*), all actions became effective in 1974.

COLLEGE OF ENGINEERING AND APPLIED SCIENCE

Dr. Norman I. Badler, Assistant Professor of Computer and Information Science; B.A., University of California at Santa Barbara; M.Sc., Ph.D., University of Toronto.

Dr. Elizabeth V. Dussan, Assistant Professor of Chemical and Biochemical Engineering; B.E., State University of New York at Stony Brook; Ph.D., Johns Hopkins; research associate, University of Minnesota, 1972-74.

Dr. Stephen W. Smoliar, Assistant Professor of Computer and Information Science; S.B., Ph.D., MIT; lecturer, Technion, 1971-1973; visiting assistant professor here, 1973-74.

Dr. F. Lincoln Vogel, Research Professor of Electrical Engineering and Science; B.S., Ph.D., University of Pennsylvania; technical staff, Bell Labs, 1952-59; manager, advanced materials, R.C.A. semiconductor division, 1959-63; director, semiconductor research and development, Sprague Electric, 1963-68; Esso Research and Engineering Co., 1969-73.

PARTIALLY AFFILIATED: *Dr. Mark Beran*, professor of engineering science, Tel Aviv University; Adjunct Professor of Applied Mechanics. . . *Dr. Maurice A. Brull*, professor, Tel Aviv University; Adjunct Professor of Applied Mechanics. . . *Dr. Harold Kwart*, professor, University of Delaware; Adjunct Professor of Bioengineering.

SECONDARY APPOINTMENTS: *Dr. Jonathan Black* (Assistant Professor of Orthopaedic Surgery/Med.) Assistant Professor of Metallurgy and Materials Science. . . *Dr. Edward D. Crandall* (Lecturer in Physiology/Med.) Assistant Professor of Bioengineering. . . *Dr. Joseph J. Higgins* (Associate Professor of Biophysics/Johnson Foundation) Associate Professor of Bioengineering. . . *Dr. John F. Lubin** (Professor of Management) Professor of Computer and Information Science.

FACULTY OF ARTS AND SCIENCES

Dr. Houston A. Baker, Professor of English; graduate of Howard University; M.A., Ph.D., UCLA; instructor, Howard University, 1966; instructor, assistant professor, Yale, 1968-69; taught at University of Virginia, 1970-74.

Dr. James L. Barr, Assistant Professor of Regional Science; B.S., Carnegie-Mellon; Ph.D., Stanford; assistant professor of economics, Washington University, 1970-74; associate in the Center for Biology of Natural Systems, Washington University, 1971-74; visiting assistant professor, University of Arizona, 1973-74.

Dr. Ann Bartell, Assistant Professor of Economics; B.A. (*summa cum laude*), Penn; M.A., Ph.D., Columbia.

Dr. Fred L. Block, Assistant Professor of Sociology; B.A., Columbia; M.A., Ph.D., Berkeley.

*Dr. Michael Friedman**, Assistant Professor of Philosophy; B.A., Queens; Ph.D., Princeton; assistant professor at Harvard since 1972.

*Dr. Craig McCaughrin**, Assistant Professor of Political Science; B.A., M.A., Wayne State; Ph.D., University of Minnesota.

Dr. William B. Quandt, Associate Professor of Political Science; graduate of Stanford; Ph.D., MIT; researcher, Rand Corporation, 1968-72; National Security Council staff, 1972-73.

Dr. Leonidas K. Resvanis, Research Assistant Professor of Physics; B.S., University of Manchester; M.Sc., University of Cincinnati; Ph.D., Johns Hopkins; research associate here since 1971.

Dr. Alan P. Smith, Assistant Professor of Biology; Ph.D., Duke.

Dr. James Woolley, Assistant Professor of English; graduate of Wake Forest; M.A., Ph.D., University of Chicago; assistant professor, Marquette, 1972-74.

PARTIALLY AFFILIATED: *Dr. Ake Andersson*, associate professor at the University of Goteborg; Visiting Professor of Regional Science, Transportation and City Planning. . . *Dr. Dennis H. Green*, professor of modern languages, University of Cambridge; Visiting Professor of Germanic Languages and Literature (fall term). . . *Dr. John Modell*, associate professor of history, University of Minnesota; Visiting Associate Professor of History. . . *Dr. Erwin K. Scheuch*, professor of political

science, University of Cologne (Germany); Visiting Professor of Political Science (spring '75).

SECONDARY APPOINTMENTS: *Dr. Diana Crane* (Associate Professor of Sociology) Associate Professor of History and Sociology of Science. . . *Dr. Stuart A. Kauffman* (Associate Professor of Biochemistry/Med.) Associate Professor of Biology. . . *William Nelson** (Associate Professor of Law) Associate Professor of History. . . *Louis H. Pollak** (Albert M. Greenfield Professor of Human Relations and Law) Professor of History.

LAW SCHOOL

*Alvin C. Warren Jr.** Professor of Law; B.A., Yale; J.D., University of Chicago; taught at the University of Connecticut 1969-73; associate professor of law, Duke University, 1973-74.

PARTIALLY AFFILIATED: *Murray L. Schwartz**, professor of law, UCLA; Visiting Professor of Law (fall, '75). . . *Stanislaw Soltysinski**, associate professor of civil law, Poznan University; Visiting Associate Professor of Law.

SCHOOL OF DENTAL MEDICINE

Dr. Louis H. Guernsey, Professor of Oral Surgery; graduate of N.Y.U.; D.D.S., M.Sc., Penn; staff oral surgeon, Ft. Lewis (Washington), 1953-54; staff oral surgeon and post dental surgeon, Ft. Douglas (Washington), 1954-56; staff oral surgeon and chief, 11th Field Hospital (Augsburg, Germany), 1956-59; resident, Walter Reed General Hospital, 1959-61; chief of oral surgery and dental service, Ft. Benning (Georgia), 1961-65; chief of oral surgery and dental service, 97th General Hospital (Frankfurt, Germany), 1965-68; chief of oral surgery service, department of dentistry, Walter Reed, 1968-74.

PARTIALLY AFFILIATED: *Dr. Harvey L. Freedman*, lecturer in the Faculty of Medicine, University of Toronto; Adjunct Assistant Professor of Pathology. . . *Dr. Lester L. Luntz*, state police surgeon, Connecticut State Police; Assistant Professor of Pathology.

SCHOOL OF MEDICINE

*Dr. Clay M. Armstrong**, Professor of Physiology; B.A., Rice; M.D., Washington University; internship, University of Chicago; research fellow in neurology, Washington University, 1961; NIH research associate, 1961-64; honorary research assistant, physiology, University College, London, 1964-66; taught at the University of Rochester since 1966.

Dr. Joseph P. Atkins Jr., Assistant Professor of Otorhinolaryngology and Human Communication; B.S. (*cum laude*), Mount St. Mary's; M.D., Penn; internship, Pennsylvania Hospital; residency, Johns Hopkins Hospital, 1967-72; otolaryngology staff, U.S. Naval Hospital (Bethesda, Maryland), 1972-74.

Dr. Mary J. Bonner, Assistant Professor of Research Medicine and Porter Robinson Scholar in Research Medicine; graduate of Chestnut Hill College; M.S., Hahnemann; Ph.D., Penn; research specialist in research medicine here since 1970.

Dr. Dominic A. DeLaurentis, Professor of Surgery; B.S. (with honors), St. Joseph's; M.D. (with honors), Temple; internship, Abington Memorial Hospital; residency, Temple, 1954-58; on the Temple faculty, 1958-71; taught at Hahnemann Medical College since 1971.

Dr. R. Bruce Filmer, Assistant Professor of Urology; M.B., B.S., Sydney University; medical officer, Sydney Hospital, 1963-64; demonstrator in anatomy, University of Sydney, 1965; assistant surgical registrar, Sydney Hospital, 1966-67; F.R.A.C.S., 1967; F.R.C.S. (London), 1968; registrar (Preston, Lancashire), 1968-69; Kretschmer resident fellow, 1969-70; residency, Northwestern University, 1970-72; Children's Memorial Hospital (Chicago), 1972-74.

*Dr. Edward Francis Foulks**, Associate Professor of Psychiatry; graduate of the University of Michigan; M.D.C.M., McGill; internship, Cook County Hospital; residency, Eastern Pennsylvania Psychiatric Institute, 1964-68; research assistant professor of psychiatry, Medical College of Pennsylvania, 1968-69; research associate, University of Alaska, 1969-70; lecturer in anthropology, Penn, 1970-71; taught at Hahnemann Medical College since 1970.

*Dr. DuPont Guerry IV**, Assistant Professor of Medicine; B.A. (*magna cum laude*), Yale; M.D., University of Virginia; internship, junior assistant resident, Boston City Hospital, 1968-70; clinical associate, senior staff fellow, NIH, 1970-73; postdoctoral research fellow, HUP, 1973-75.

(continued on page 10)

THE SIGHTS THEY ARE A-CHANGIN'

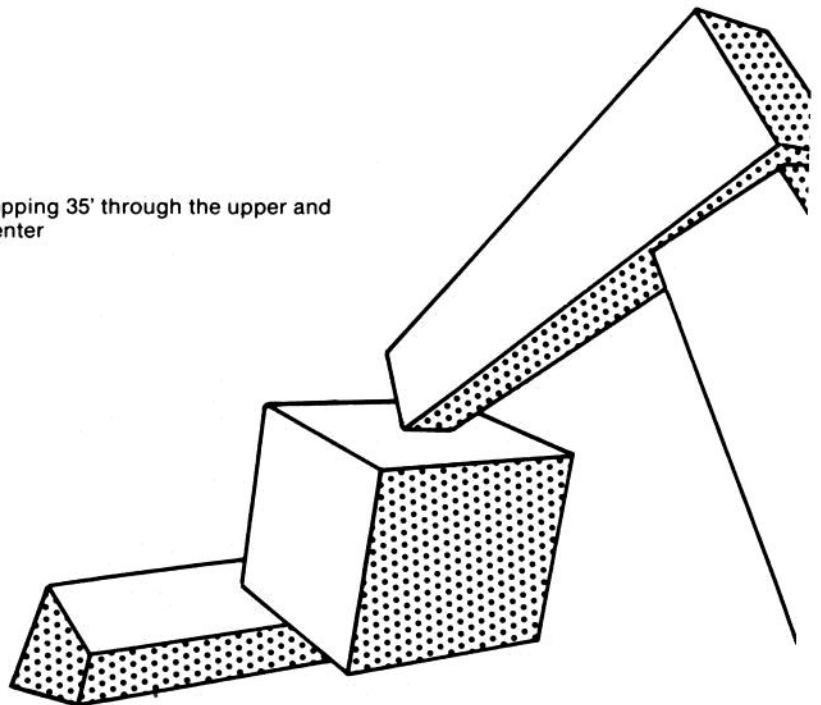
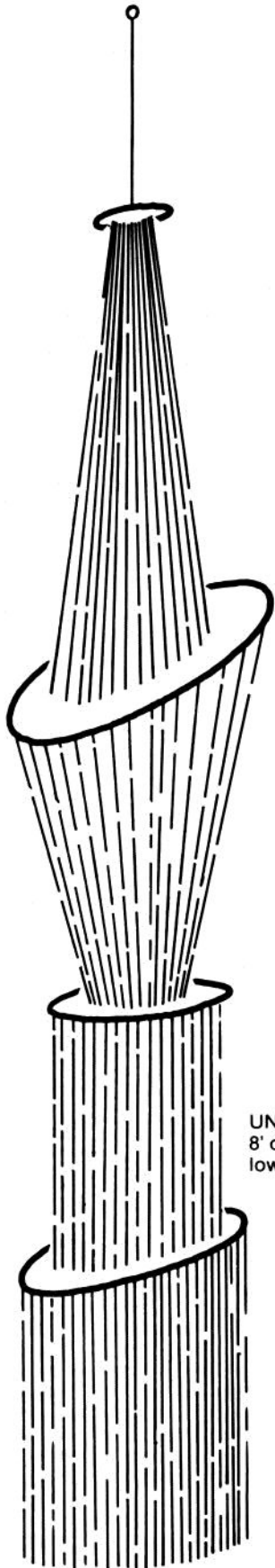
Sculpture was scarce at Penn in the first couple of hundred years of its history. Heading into the 'seventies, the casual visitor found two Ben Franklins (the Youthful Franklin at Weightman Hall and the elder statesman who overlooks College Hall Green), an all-but-forgotten George Whitefield on the Quad; a treasured one-horned goat at the Law School and a lyric Rivera Construction '66 at the Annenberg School. The great bronzes of R. Tait McKenzie were tucked away in scattered locations, and only in 1972 were they gathered together in the handsome indoor-outdoor Jones Gallery at Gimbel Gym.

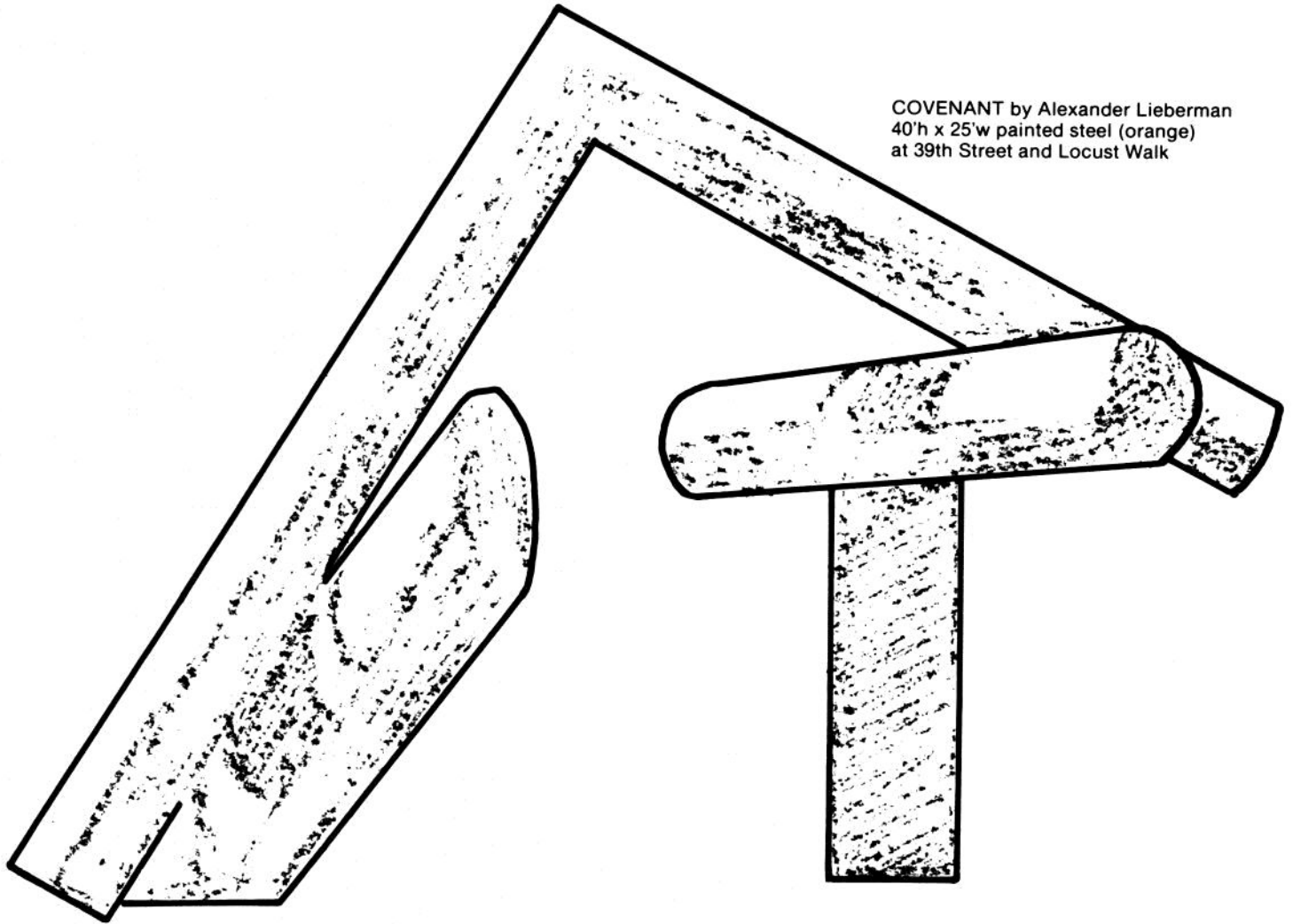
Suddenly last winter, We Lost appeared at Locust Walk and 36th Street, and later in the spring came Wounded Knee in the plaza before Vance Hall. The word was already out that a major new Alexander Lieberman was scheduled for Superblock, and in some circles it was known that a Bertoia was coming to the Annenberg Center.

In the fall, they will all be there to greet returning faculty and students—the four pieces sketched on these pages. What next? The Visual Environment Committee headed by Mrs. H. Gates Lloyd (long-time chairman of the Institute for Contemporary Art and head of the Friends of the Library here, as well as a noted collector) has been making master plans and doing the major shopping that produced the loan of Wounded Knee and the purchase of the Lieberman and Smith works. (The Bertoia was chosen by Center sponsor Walter Annenberg; but it is, like the others, in part fulfillment of Penn's "1%" obligation under state requirements that a portion of all new building cost be put into fine art.)

The rationale for one element in the master plan—the moving of the seated Franklin from the Green to a more public view at 34th and Walnut—has less to do with the 1% program than with a catching up with the times. Ben used to look out upon a passing world, when Woodland Avenue bisected the superblock that is now the Green. Hidden from passersby these past few decades, he will once again be the visual symbol and public pride of Penn.

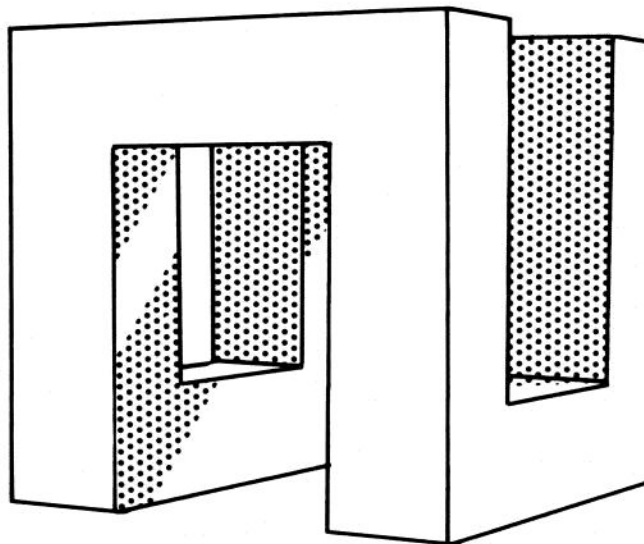
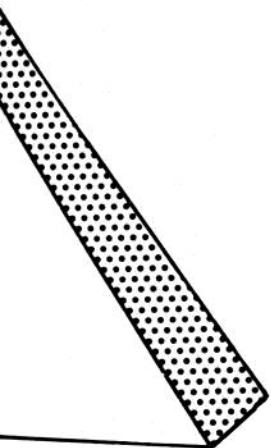
UNTITLED by Harry Bertoia
8' diameter suspended bronze, dropping 35' through the upper and lower lobbies of the Annenberg Center





COVENANT by Alexander Lieberman
40'h x 25'w painted steel (orange)
at 39th Street and Locust Walk

WOUNDED KNEE by David Slivka (extended loan)
12'h x 29'w x 16'd painted plywood (red and white)
on the plaza of Vance Hall, 37th Street and Locust Walk



WE LOST by Tony Smith
8'6" cube, painted steel (black)
at 36th Street and Locust Walk

APPOINTMENTS continued from page 7

Dr. Gary S. Hill, Assistant Professor of Pathology; B.A. (*magna cum laude*), Rice Institute; M.D., Johns Hopkins; internship, residency, postdoctoral fellow, Johns Hopkins, 1968-71; chief resident, Johns Hopkins, 1971-72; assistant professor of pathology, Johns Hopkins, 1972-74.

Dr. Fred D. Holford, Associate Professor of Medicine; A.B., M.D., University of Vermont; internship, Jackson Memorial Hospital; residency, National Heart Institute research fellow, Mary Imogene Bassett Hospital, 1957-61; consultant in cardiology, Boca Raton Community Hospital, 1967-70.

Dr. Alan F. Horwitz, Assistant Professor of Biophysics; B.A., University of Wisconsin; Ph.D., Stanford; NIH postdoctoral fellow, National Heart and Lung Institute, 1970; NIH postdoctoral fellow, research director of the Laboratory of Chemical Biodynamics, Berkeley, 1971-73; Wissenschaftlicher Mitarbeiter, Biozentrum (Basel), 1973-74.

Dr. Joseph S. Janicki, Assistant Professor of Bioengineering in Medicine; B.S., University of Delaware; M.S.E., Catholic University of America; Ph.D., University of Alabama.

Dr. Stuart A. Kauffman,* Associate Professor of Biochemistry; A.B., Dartmouth; A.B., Oxford; M.D., University of California at San Francisco; internship, Cincinnati General Hospital; assistant professor of theoretical biology, University of Chicago, 1969-75.

Dr. John H. Lecky, Assistant Professor of Anesthesia; A.B., Amherst; M.D., Penn; internship, Jackson Memorial Hospital; residency, instructorship, Penn, 1969-72; clinical anesthesiologist, NIH, 1972-74.

Dr. George G. McDonald,** Assistant Professor of Biophysics; B.S., Loyola University; Ph.D., Johns Hopkins; postdoctoral fellow, Johnson Research Foundation, 1970-73.

Dr. Gladys Miller, Assistant Professor of Community Medicine; B.S., Douglass College; M.D., M.S., internship, residency, Temple; Temple University Hospital medical staff, 1955-74.

Dr. Frank L. Murphy, Assistant Professor of Anesthesia; B.A., M.D., Harvard; internship, surgery, residency, University of Colorado, 1969-71; residency, fellowship, Penn, 1971-73.

Dr. Frederick Murtagh,* Professor of Neurosurgery and Co-Director of the Division of Neurosurgery in the Department of Surgery; B.S., Muhlenberg College; M.D., M.Sc., Temple; internship, Joseph Price Memorial Hospital (Philadelphia), U.S. Naval Hospital (Philadelphia); general surgery, U.S. Naval Hospital (Aiea Heights, Hawaii), U.S. Naval Hospital (Philadelphia), 1944-47; neurological surgery, Temple Fay, Temple University, 1947-51; taught at Temple, 1951-1974.

Dr. Michael J. O'Connor, Assistant Professor of Neurosurgery; B.S.E.E., M.D., Penn; internship, residency, Penn; lieutenant commander, NIH, 1970-72; neurosurgery resident, HUP, 1972-74.

Dr. Frederick K. Orkin, Assistant Professor of Anesthesia and Community Medicine; A.B., Bowdoin; M.D., Harvard; internship, Jewish Hospital (St. Louis); residency, Penn, 1969-72; clinical specialist, Valley Forge General Hospital, 1972-73; anesthesiologist, Kimbrough Army Hospital (Ft. Meade), 1974.

Dr. Nozomu Oshino, Research Assistant Professor of Physical Biochemistry; B.S., Kyoto; M.Sc., Ph.D., Osaka University; NIH trainee, postdoctoral fellow, research associate, University of Pennsylvania, 1969-74.

Dr. S. Michael Phillips,* Assistant Professor of Medicine; B.S., M.D., University of Wisconsin; internship, residency, fellow in allergy, HUP, 1966-1969; fellow, Peter Bent Brigham Hospital, 1969-71; instructor in medicine, Harvard, 1971-72; assistant clinical professor of medicine, George Washington University, 1973-75.

Dr. William F. Rintelmann,* Professor of Audiology; B.S., Arizona; M.A., Ph.D., Indiana University; postdoctoral fellow, assistant professor, Northwestern, 1961-66; taught at Michigan State University since 1966.

Dr. Henry Rosenberg, Assistant Professor of Anesthesia; B.A. (*cum laude*), Brooklyn College; M.D., Albert Einstein College of Medicine; internship, Women's Medical; residency, fellowship in anesthesia, HUP, 1968-71; clinical instructor, Boston University, 1972-73; assistant professor, Tufts, 1973-74.

Dr. Harold L. Rutenber,* Associate Professor of Medicine; B.A., Penn; M.D., Temple; internship, Albert Einstein College of Medicine; residency, Temple, 1963-65; NIH fellowship, Temple, 1965-67; taught at Temple since 1967.

Dr. Harvey William Scholl, Assistant Professor of Radiology; B.S., Penn State; M.D., Jefferson; internship, Methodist Hospital; residency, HUP, 1968-71; chief resident, HUP, 1971-72; radiologist, USAF Medical Center (Wright-Patterson), 1972-74.

Dr. Thomas J. Spackman, Associate Professor of Radiology; B.A.,

DePauw University; M.D., Western Reserve; internship, residency, diagnostic radiology fellow, clinical research fellow, assistant professor, Yale, 1964-74.

Dr. Austin John Sumner, Assistant Professor of Neurology; B.Med.Sc., M.Med.Sc., New Zealand; M.B., Ch.B., Otago; housephysician, registrar in internal medicine, senior registrar in neurology, Wellington Hospital, 1964-67; Nuffield fellow, senior resident housephysician, academic registrar, National Hospital, Queen Square (London), 1968-71; assistant professor of neurology, University of California, 1971-74.

Dr. Karl T. Weber, Assistant Professor of Medicine; B.S., Moravian; M.D., Temple; internship, Temple; USPHS National Heart and Lung Institute, 1969-71; residency, clinical cardiology fellowship, University of Alabama Medical Center, 1971-74.

Dr. Sumner J. Yaffe,* Professor of Pediatrics and Pharmacology; A.B., M.A., Harvard; M.D., University of Vermont; internship, residency, Children's Hospital, 1954-57; research fellow, Harvard, 1957-59; advanced research fellow, American Heart Association, 1960-61; assistant professor, Stanford, 1960-63; associate professor, SUNY at Buffalo, 1963-75.

PARTIALLY AFFILIATED: *Dr. Marvin E. Aronson*,* medical examiner for the City of Philadelphia; Adjunct Associate Professor of Pathology. . . *Dr. James S. Comaish*,* Visiting Professor of Dermatology (spring '75). . . *Dr. Jenny Pickworth Glusker*,* Associate Professor of Physical Biochemistry. . . *Dr. Jack Greenspan*,* Assistant Clinical Professor of Psychiatry. . . *Dr. J. Nathan C. Howard*,* Visiting Assistant Professor of Pathology (1974-75). . . *Dr. Alan F. Horwitz*,* Lecturer in Biophysics. . . *Dr. Judith Pollock Klinman*,* Assistant Professor of Physical Biochemistry. . . *Dr. Elliot M. Levine*,* Associate Professor of Microbiology. . . *Dr. Jose Oscar Morales*,* Assistant Clinical Professor of Radiology. . . *Dr. Paula M. Orkand*,* Assistant Professor of Anatomy and Assistant Professor of Anatomy in Medicine. . . *Dr. Tarikere P. Rajashekhar*,* Assistant Clinical Professor of Physical Medicine and Rehabilitation. . . *Dr. T. Alan Ramsey*,* Assistant Professor of Psychiatry. . . *Dr. Bernice L. Rosman*,* Assistant Clinical Professor of Psychology in Psychiatry. . . *Dr. Joseph A. Simaan*,* Visiting Associate Professor of Pharmacology (1974-75). . . *Dr. David A. Soskis*,* Assistant Clinical Professor of Psychiatry. . . *Dr. John Wesley Thomas Jr.*,* professor of surgery, Hahnemann; Associate Clinical Professor of Surgery. . . *Dr. Marten Karl Fredrik Wikstrom*,* associate teacher, University of Helsinki; Visiting Associate Professor of Physical Biochemistry (spring '75-'76). . . *Dr. John Stuart Willens*,* Assistant Clinical Professor of Anesthesia. . . *Dr. G. Edwin Wilson*,* adjunct associate professor, Rockefeller University; Visiting Associate Professor of Physical Biochemistry.

SECONDARY APPOINTMENTS: *Dr. Jean Cortner*,* (Professor and Chairman of Pediatrics) Professor of Pediatrics in Human Genetics. . . *Dr. Charles R. Jerge*,* (Professor of Dentistry and Health Care Systems) Professor of Community Medicine. . . *Dr. Stuart A. Kauffman*,* (Associate Professor of Biochemistry/Med.) Associate Professor of Biology. . . *Dr. Ronald Liebman*,* (Assistant Clinical Professor of Psychiatry) Assistant Clinical Professor of Pediatrics. . . *Dr. Chris Nichols*,* (Assistant Professor of Oral Medicine) Assistant Professor of Oral Medicine in Otorhinolaryngology and Human Communication. . . *Dr. Martin Pring*,* (Associate Professor of Physiology) Associate Professor of

OFFICE OF SPECIAL PROGRAMS

Due to the reorganization of the Office of the Vice-Provost for Undergraduate Studies, Provost Eliot Stellar and FAS Dean Vartan Gregorian, in cooperation with outgoing Vice-Provost Humphrey Tonkin, have established a new Office of Special Programs reporting directly to the Dean of FAS. Director of the Office, Dr. Alfred J. Rieber, professor of history, will supervise Freshman Seminars, Thematic Seminars (formerly the College of Thematic Studies), General Honors, Benjamin Franklin Scholars and other innovative programs.

Although FAS will administer the programs on behalf of the entire University, the tuition for courses taught through other schools will be returned to those schools, Dean Gregorian said.

The Office continues to solicit cooperation from all the schools and programs in the University that have contributed in the past to the success of these interdepartmental and interdisciplinary programs.

DESIGNATIONS TO NAMED PROFESSORSHIPS

Dorothea Jameson Hurvich as University Professor of Psychology.

Dr. Hui-Lin Li as John Bartram Professor of Botany and Horticulture.

Dr. Leonard B. Meyer as Benjamin Franklin Professor of Music.

Dr. Richard L. Solomon as James M. Skinner Professor of Science.

Dr. Leo Steinberg as Benjamin Franklin Professor of the History of Art.

Clyde W. Sumners as Jefferson B. Fordham Professor of Law.

Biophysics. . . *Dr. George Stueler Jr.* (Assistant Professor of Health Care Systems) Assistant Professor of Community Medicine. . . *Dr. Julius Wishner* (Professor of Psychology) Professor of Psychology in Psychiatry. . . *Dr. Sumner Yaffe* (Professor of Pediatrics) Professor of Pharmacology.

SCHOOL OF NURSING

Dr. Mary Ann Lafferty, Assistant Professor of Nursing; B.A., Salve Regina College; Ph.D., University of Virginia.

SCHOOL OF SOCIAL WORK

Irene F. Pernsley,* Associate Professor of Social Work; B.S., Hampton Institute; M.S.W., Penn; caseworker, supervisor, director of staff development, Delaware County Board of Assistance, 1945-65; executive director, Delaware County Board of Assistance, 1965-68; regional director of public welfare, southeastern region, Pennsylvania, 1968-72; deputy secretary for welfare, southeastern region, Pennsylvania, 1972-75.

Dr. Norman Polansky,* Professor of Social Work; A.B. (*magna cum laude*), Harvard; M.S., Western Reserve; Ph.D., University of Michigan; research assistant in character education, University of Iowa, 1940-41; U.S. Army psychiatric social worker, 1943-46; caseworker, Yonkers Family Service Society, 1946; case supervisor, Veterans Administration (Minneapolis), 1947-48; research project director to associate professor, Wayne State University, 1948-53; faculty, Smith College School for Social Work, 1950-62; research psychologist and group therapist, Austen Riggs Center, 1953-55; associate professor, professor of social work and of psychology, Western Reserve University, 1955-60; director of social service and psychologist, Highland Hospital, 1960-64; professor of social work and sociology, University of Georgia, 1964-75.

PARTIALLY AFFILIATED: *Dr. Irvin D. Rutman*, executive director of Horizon House; Associate Professor of Social Work.

SCHOOL OF VETERINARY MEDICINE

Dr. Wendell L. Cooper, Assistant Professor of Animal Reproduction; D.V.M., Penn; supervising field veterinarian, Wisconsin Department of Agriculture, 1958-60; veterinarian-manager, Hempt Standardbred Horse Breeding Farm, 1965-73; associate manager of clinical research, Schering Corporation, 1973-74.

Dr. Jay Farrell, Research Assistant Professor of Parasitology in the Department of Pathobiology; A.B., Lafayette; M.S., Ph.D., Rutgers; research associate, Rutgers, 1972-74.

Dr. Richard Miselis,* Assistant Professor of Animal Biology; B.S., Tufts; V.M.D., Ph.D., Penn; postdoctoral fellow, I.N.S., trainee, U. of P. Veterinary School, 1967-73; fellow, College de France, 1973-75.

PARTIALLY AFFILIATED: *Dr. John P. Rapp*, assistant director of Penrose Research Lab; Adjunct Assistant Professor of Pathology in the Department of Pathobiology. . . *Dr. Machteld Sano*; Adjunct Professor of Cytology in the Department of Animal Biology. . . *Dr. Peter Suter*, professor of radiological sciences, University of California at Davis; Visiting Professor of Radiology (fall '74).

SECONDARY APPOINTMENT: *Dr. H. Ralph Schumacher** (Associate Professor of Medicine) Associate Professor of Comparative Medicine in the Department of Clinical Studies.

WHARTON SCHOOL

Dr. Anthony E. Boardman, Assistant Professor of Public Policy Analysis; B.A. (with honors), University of Kent; Ph.D., Carnegie-Mellon.

Dr. Bobby James Calder, Associate Professor of Marketing and Organizational Psychology; A.B. (with honors), M.A., Ph.D., University of North Carolina; postdoctoral fellow, University of North Carolina, 1970-71; assistant professor, University of Illinois, 1970-73; director of organizational research, National Analysts, 1973-74.

Dr. Claude S. Colantoni,* Associate Professor of Accounting; B.S., University of Michigan; M.S., Wayne State; Ph.D., Purdue; assistant professor, Purdue, 1968-70; assistant professor, associate professor, Carnegie-Mellon, 1970-74.

Dr. Thomas W. Dunfee,* Associate Professor of Business Law; A.B., Marshall University; J.D., L.L.M., New York University; assistant professor of business law, Illinois State University, 1968-70; assistant professor of business law, Ohio State University, 1970-72; visiting assistant professor of business law, Indiana University, 1972; associate professor of business law, Ohio State, 1972-75.

Dr. Jay R. Galbraith, Associate Professor of Management; Chemical Engineering, University of Cincinnati; M.B.A., D.B.A., Indiana University; taught at MIT since 1966.

Dr. Rob Gerritsen,* Assistant Professor of Decision Sciences; graduate of UCLA; M.S., University of Southern California; Ph.D., Carnegie-Mellon.

Dr. Michael E. Hogue, Assistant Professor of Insurance; B.A., University of Washington; M.B.A., Ph.D., University of Georgia.

Dr. Lyman E. Ostlund, Associate Professor of Marketing; B.S., University of Minnesota; M.B.A., Stanford; D.B.A., Harvard; account representative, J. Walter Thompson, 1965-67; assistant professor, Columbia, 1969-74.

Dr. Dov Pekelman, Associate Professor of Decision Sciences; B.S., Technion (Haifa); Dipl. B.A., Hebrew University; Dipl., I.C.A.M.E., Stanford; Ph.D., University of Chicago; taught at the University of Chicago since 1971.

Dr. Bernard C. Reimann, Assistant Professor of Management; B.Ch.E., Cornell; M.B.A., D.B.A., Kent State University; product engineer, Goodrich, 1959-64; process engineer Goodyear, 1964-65; part-time instructor, Kent State, 1964-65; part-time instructor, Youngstown State, 1966-68; instructor, Kent State, 1968-72; assistant professor, Drexel, 1972-74.

Dr. Jerry S. Rosenbloom, Associate Professor of Insurance; B.S., Temple; M.A., Ph.D., Penn; director of examinations, assistant dean, dean, American College of Life Underwriters, 1965-69; research director, McCahan Foundation, 1969-70; associate professor, professor, Temple, 1970-74.

Dr. John R. Rossiter, Assistant Professor of Marketing; B.S. (with honors), University of Western Australia; M.S., UCLA; Ph.D., Penn; research assistant, University of Pennsylvania, 1972-74.

Dr. Willy Sellekaerts, Associate Professor of Finance; B.A., Free University of Brussels; M.A., University of Michigan; Ph.D., Michigan State University; assistant professor, associate professor, University of Ottawa, 1970-73; visiting professor, Temple, 1973-74.

Dr. George Stuehler Jr., Assistant Professor of Health Care Systems; B.E.S., Johns Hopkins; M.B.A., Wharton; M.Phil./Ph.D., University of London; Sc.D., Johns Hopkins; U.S. Air Force Hospital (London), 1967-70; Maryland Comprehensive Health Planning Agency, 1970-71; consultant in health services planning and administration, Johns Hopkins Multidisciplinary Health Planning Group, 1971-74.

Dr. Andrew Van de Ven,* Associate Professor of Management; B.B.A., St. Norbert College; M.B.A., Ph.D., University of Wisconsin; taught at Kent State since 1972.

PARTIALLY AFFILIATED: *Dr. Claude S. Colantoni*; Visiting Associate Professor of Accounting (spring '75). . . *Dr. Thomas W. Dunfee*, associate professor, Ohio State; Visiting Associate Professor of Business Law. . . *Dr. Jonathan Rosenhead*, lecturer in operational research, London School of Economics and Political Science; Visiting Associate Professor, Social Systems Science Unit. . . *Dr. Bernard L. Samoff*, regional director of National Labor Relations Board; Adjunct Professor of Management. . . *Dr. William Zucker*, administrative director, Wharton Entrepreneurial Center; Adjunct Professor of Management.

SECONDARY APPOINTMENTS: *Dr. Martin L. Bariff* (Assistant Professor of Accounting) Assistant Professor of Decision Sciences. . . *Dr. Lawrence R. Klein* (Benjamin Franklin Professor of Economics) Benjamin Franklin Professor of Finance. . . *Dr. Dov Pekelman* (Associate Professor of Decision Sciences) Associate Professor of Marketing. . . *Dr. Robert A. Zelen** (Assistant Professor of Insurance) Assistant Professor, Health Care Systems Unit.

*Actions effective in 1975.

IDEAS WANTED FOR THE QUAD

The Provost and the Associate Provost for Academic Planning invite suggestions from the University community on academic and educational programs that might provide a focus for the new college houses being planned for the Quadrangle. Proposals should be addressed to Dr. J. N. Hobstetter, Associate Provost for Academic Planning, 111 College Hall/CO.

PROMOTIONS

The following PROMOTIONS became effective in 1975, unless otherwise noted (*).

COLLEGE OF ENGINEERING AND APPLIED SCIENCE

*Dr. Steven C. Batterman** to Professor of Bioengineering (secondary appointment; home department is Mechanical Engineering). . . *Dr. Bruce Campbell** to Assistant Professor of Bioengineering and to Assistant Professor of Physiology/Vet. (secondary appointment). . . *Dr. David Graves** to Associate Professor of Bioengineering (secondary appointment; home department is Chemical and Biochemical Engineering). . . *Dr. Fred Haber* to Professor of Systems Engineering. . . *Dr. Campbell Laird* to Professor of Metallurgy and Materials Science. . . *Dr. Solomon R. Pollack* to Professor of Metallurgical Engineering. . . *Dr. Octavio M. Salati* to Professor of Electrical Engineering. . . *Martin Wolf** to Professor of Electrical Engineering and Science.

FACULTY OF ARTS AND SCIENCES

Dr. David P. Balamuth to Associate Professor of Physics. . . *Dr. Theodore Hershberg* to Associate Professor of History. . . *Dr. Tom Lubensky* to Associate Professor of Physics. . . *Dr. M. Norman* to Professor of Psychology. . . *Dr. Gerald Porter* to Professor of Mathematics. . . *Dr. Robert T. Powers* to Professor of Mathematics and to Professor of Physics (secondary appointment). . . *Dr. Yoshitaka Suyama* to Professor of Biology. . . *Dr. Eugene K. Wolf* to Associate Professor of Music.

GRADUATE SCHOOL OF FINE ARTS

*Peter McCleary** to Professor of Architecture.

LAW SCHOOL

Alexander M. Capron to Associate Professor of Law.

SCHOOL OF DENTAL MEDICINE

Dr. Joseph R. Ashman to Professor of Anatomy. . . *Dr. Herman Corn** to Adjunct Professor of Periodontics. . . *Dr. Joseph B. Dietz Jr.** to Assistant Professor of Restorative Dentistry. . . *Dr. George Isaacson** to Assistant Professor of Restorative Dentistry. . . *Dr. Malcolm A. Lynch* to Professor of Oral Medicine. . . *Dr. Manuel Marks* to Associate Professor of Periodontics. . . *Dr. Morton Melman** to Assistant Professor of Restorative Dentistry. . . *Dr. Ford M. Sophocles** to Assistant Professor of Form and Function of the Masticatory System. . . *Dr. Stuart Super** to Assistant Professor of Oral Surgery.

SCHOOL OF MEDICINE

*Dr. George J. Amonitti** to Assistant Clinical Professor of Obstetrics and Gynecology. . . *Dr. Mark J. Brown* to Assistant Professor of Neurology. . . *Dr. Angelina D. Castro** to Assistant Professor of Anesthesia. . . *Dr. C. Gene Cayten** to Assistant Professor of Surgery and of Community Medicine. . . *Dr. Doris A. Chernik* to Adjunct Assistant Professor of Psychology in Psychiatry. . . *Dr. Anna-Marie Chirico* to Associate Professor of Medicine. . . *Dr. Ronald F. Coburn* to Professor of Physiology and to Professor of Medicine (secondary appointment; home department is Physiology). . . *Dr. Lee Combrinck-Graham* to Assistant Clinical Professor of Psychiatry. . . *Dr. David G. Cook* to Assistant Clinical Professor of Neurology. . . *Dr. Lee Herschel Cooperman* to Professor of Anesthesia. . . *Dr. Kenneth J. DeBenedictis* to Assistant Clinical Professor of Medicine. . . *Dr. Herbert Diamond* to Associate Professor of Psychiatry. . . *Dr. John R. Durocher* to Assistant Clinical Professor of Medicine. . . *Dr. Julian David Feldman** to Assistant Clinical Professor of Obstetrics and Gynecology. . . *Dr. Eric W. Fine* to Assistant Clinical Professor of Psychiatry and of Community Medicine. . . *Dr. Max Leonard Fogel* to Associate Professor of Psychology in Psychiatry. . . *Dr. William C. Foster* to Assistant Professor of Physiology. . . *Dr. Alan Frazer* to Associate Professor of Pharmacology in Psychiatry and to

Associate Professor of Pharmacology (home department is Pharmacology). . . *Dr. Lillian Elizabeth Fredericks** to Assistant Professor of Anesthesia. . . *Dr. Frank F. Furstenberg** to Associate Professor of Sociology in Psychiatry (secondary appointment; home department is Sociology). . . *Dr. Robert A. Gatter* to Associate Clinical Professor of Medicine. . . *Dr. Joel Greenberg* to Research Assistant Professor of Neurology. . . *Dr. Fred H. Harvie* to Professor of Pediatrics. . . *Dr. R. Bruce Heppenstall** to Assistant Clinical Professor of Orthopaedic Surgery. . . *Dr. Paul J. Honig* to Assistant Professor of Pediatrics. . . *Dr. Robert L. Honish** to Assistant Clinical Professor of Medicine. . . *Dr. Edward Janavel Huth** to Adjunct Clinical Professor of Medicine. . . *Dr. David R. Jobes** to Assistant Professor of Anesthesia. . . *Dr. Mohammad Mehdi Keykhah** to Assistant Professor of Anesthesia. . . *Dr. Chaun-pu Lee* to Professor of Physical Biochemistry. . . *Dr. Philip Littman* to Assistant Professor of Radiology. . . *Dr. Avraham Mayevsky** to Adjunct Research Assistant Professor of Neurology (change in home department). . . *Dr. James A. McCray** to Adjunct Associate Professor of Biophysics. . . *Dr. Lore Anne McNicol* to Assistant Professor of Microbiology. . . *Dr. Sheila Murphey* to Assistant Professor of Medicine. . . *Dr. William G. Negendank* to Assistant Professor of Medicine. . . *Dr. Sondra Nemer** to Assistant Clinical Professor of Obstetrics and Gynecology. . . *Dr. Moreye Nusbaum** to Professor of Surgery. . . *Dr. Larry A. Palmer* to Assistant Professor of Anatomy. . . *Dr. Joseph E. Pappano Jr.* to Assistant Clinical Professor of Medicine. . . *Dr. Ernest F. Rosato* to Professor of Surgery. . . *Dr. Harry Salem** to Adjunct Associate Professor of Pharmacology. . . *Dr. Alexander Scriabine** to Adjunct Associate Professor of Pharmacology. . . *Dr. Harvey M. Shapiro* to Associate Professor of Anesthesia and Neurosurgery (secondary appointment; home department is Anesthesia). . . *Dr. Edith S. Sheppard* to Assistant Clinical Professor of Psychiatry. . . *Dr. Melvin Singer* to Assistant Clinical Professor of Psychiatry. . . *Dr. Rudolf N. Starosick* to Assistant Clinical Professor of Surgery and of Community Medicine. . . *Dr. Irvin Stein** to Clinical Professor of Orthopaedic Surgery. . . *Dr. J. Edward Taylor* to Assistant Clinical Professor of Psychiatry. . . *Dr. Rose Lou Tse* to Associate Clinical Professor of Medicine. . . *Dr. Edward D. Viner** to Associate Clinical Professor of Medicine. . . *Dr. George E. Woody* to Assistant Clinical Professor of Psychiatry. . . *Dr. Lee W. Yudin* to Assistant Clinical Professor of Psychology in Psychiatry. . . *Dr. Thomas Vernon Zachary** to Assistant Clinical Professor of Obstetrics and Gynecology. . . *Dr. Burton Zweiman* to Professor of Medicine and to Professor of Neurology (secondary appointment; home department is Medicine).

SCHOOL OF NURSING

Ann Adomanis to Assistant Professor of Nursing. . . *Carol A. Boyer* to Assistant Professor of Nursing. . . *Beatrice Hunsberger* to Assistant Professor of Nursing. . . *Margaret Keen* to Assistant Professor of Nursing. . . *Marcy Kershner* to Assistant Professor of Nursing. . . *Martha Lamberton* to Assistant Professor of Nursing. . . *Suzanne Langner* to Assistant Professor of Nursing. . . *Joy Lawrence* to Assistant Professor of Nursing. . . *Mary Ann Miller* to Assistant Professor of Nursing. . . *Malinda Murray* to Assistant Professor of Nursing. . . *Rosalyn J. Watts* to Assistant Professor of Nursing. . . *Robin Wells* to Assistant Professor of Nursing.

SCHOOL OF SOCIAL WORK

Dr. June Axinn to Professor of Social Work.

SCHOOL OF VETERINARY MEDICINE

*Dr. Vincent Cristofalo** to Professor of Biochemistry. . . *Dr. Peter Dodson* to Assistant Professor of Anatomy. . . *Dr. Jorge F. Ferrer* to Professor of Microbiology. . . *Dr. G. Frederick Fregin* to Assistant Professor of Medicine. . . *Dr. Richard A. McFeely* to Professor of Animal Reproduction. . . *Dr. Wayne H. Riser* to Research Associate Professor of Pathology. . . *Dr. Sheldon A. Steinberg* to Professor of Neurology. . . *Dr. Wilfried T. Weber* to Professor of Pathology.

WHARTON SCHOOL

Dr. Bernard E. Anderson to Associate Professor of Industry. . . *Dr. Monique Guignard-Spielberg* to Associate Professor of Statistics. . . *Dr. Howard Kunreuther* to Professor of Decision Sciences. . . *Dr. Robert A. Zelten* to Associate Professor of Insurance.

*Promotions effective in 1974.

EMERITUS PROFESSORS

- Dr. Derk Bodde*, Emeritus Professor of Chinese Studies.
Dr. John G. Brainerd, Emeritus University Professor of Electrical Engineering.
Dr. Carl C. Chambers, Emeritus University Professor of Engineering.
Dr. William H. Erb, Emeritus Professor of Surgery.
Buckminster Fuller, Emeritus Professor of Architecture and Design Science.
Dr. David R. Goddard, Emeritus University Professor of Biology.
Dr. Charles F. Hoban, Emeritus Professor of Communications.
Dr. Julian Johnson, Emeritus Professor of Surgery.
Dr. Adolf D. Klarman, Emeritus Professor of German.
Dr. Reinout P. Kroon, Emeritus Professor of Mechanical Engineering.
Dr. Carlos Lynes Jr., Emeritus Professor of Romance Languages.
Dr. Adolph Matz, Emeritus Professor of Accounting.
Dr. Dorothy Meredith, Emeritus Professor of Nursing.
Dr. Harry E. Morton, Emeritus Professor of Bacteriology in Pathology in the School of Medicine.
Dr. Robert Pratt, Emeritus Professor of English.
Dr. M.H. Samitz, Emeritus Professor of Dermatology.
Dr. Otto Springer, Emeritus University Professor of Germanic Languages.
Dr. Cornelius N. Weygandt, Emeritus Professor of Electrical Engineering.

LEAVES

All LEAVES announced below are effective through the 1975-76 academic year, unless otherwise noted in text.

ANNENBERG SCHOOL

Dr. Charles R. Wright, to do sociological analyses of mass communication behavior (fall, 1975).

COLLEGE OF ENGINEERING AND APPLIED SCIENCE

- Dr. Ruzena Bajcsy*, Electrical Engineering, to work in the Pattern Recognition Group, CERN, Geneva (spring, 1975).
Dr. David R. Gaskell, Metallurgy and Materials Science, to study at the National Research Council of Canada in Halifax, Nova Scotia.
Dr. Alan L. Myers, Chemical Engineering, to do research on thermochemical methods for hydrogen production at Technische Hochschule in Darmstadt.
Dr. Sohrab Rabii, Electrical Engineering, to investigate the theoretical aspects of electronic and optical properties of solids at the Max-Planck-Institute.
Dr. Alan M. Whitman, Mechanical Engineering, to research the propagation of radiation in random media at Tel-Aviv University.

FACULTY OF ARTS AND SCIENCES

- Dr. Roger Allen*, Oriental Studies, to revise and prepare for publication a first-year Arabic text.
Dr. Jean V. Alter, Romance Languages, to write a book on the 17th century French novel and complete preparations for a sociological survey of French narratives (fall, 1975).
Dr. Samuel G. Armistead, Romance Languages, to finish a critical edition of "La Refundicion de las Mocedades de Rodrigo" (spring, 1976).
Dr. Nina Auerbach, English, to write a book about communities of women in the English and American novel.
Dr. Eugene W. Beier, Physics, to study inclusive Hadron-Hadron interactions at the Fermi National Accelerator Lab.
Dr. Dan Ben-Amos, Folklore and Folklife, to research communicative

forms of Benin oral tradition in their cultural context at the Benin division of Midwest State, Nigeria.

- Dr. Sidney A. Bludman*, Physics, to do research on relativistic astrophysics at Hebrew University (spring, 1976).
Dr. Wallace E. Davies, History, to finish a study of Philadelphia from 1876-1905 for a forthcoming cooperative history of the city (fall, 1975).
Dr. Phillip H. DeLacy, Classical Studies, to continue work on the translation of and commentary for an edition of Galen's "De Semine."
Dr. Zoltan Domotor, Philosophy, to complete a book on the foundations of semantics and a monograph on qualitative probability structures.
Dr. Peter G. Earle, Romance Languages, to write a book on Spanish American criticism.
Dr. Susan J. Egloff, English, to research and write a critical study of Milton's poetry (fall, 1975).
Dr. Alan N. Epstein, Biology, to continue research at Cambridge on the way in which angiotensin affects the brain to mobilize thirst.
Dr. Wilfred J. Ethier, Economics, to continue an investigation of the relationship between the international adjustment process and changes in exchange rates and prices.
Dr. Nancy M. Farriss, History, to conduct research in Spanish and Mexican archives.
Dr. Robert F. Giegengack, Geology, to study the history of climatic change at margin of tropics in South America.
Dr. Russell W. Hardin, Political Science, to research and write a manuscript on the politics of collective action.
Dr. Ulrich W. Hiesinger, Art History, to complete an urban history of Rome in antiquity.
Dr. Daniel G. Hoffman, English, to research and write a book-length historical poem about William Penn.
Dr. Thomas P. Hughes, History and Sociology of Science, to work on a history of the development of electric light and power systems here and abroad.
Dr. Dell Hymes, Folklore and Folklife, to complete a dictionary of Wasco Chinook in Oregon (spring, 1976).
Dr. Robert P. Inman, Economics, to do research at Harvard as a Robert Wood Johnson Faculty Fellow in health economics.
Dr. Richard V. Kadison, Mathematics, to join a research project on the mathematical problems of quantum dynamics at the Centre for Interdisciplinary Research in Bielefeld, Germany (spring, 1976).
Dr. Jerry L. Kazdan, Mathematics, extension of 1974-75 leave.
Dr. William M. Kephart, Sociology, to investigate and write about experimental family organization (spring, 1976).
Dr. Samuel Z. Klausner, Sociology, to complete research on experimental social organization (fall, 1975).
Dr. Abraham Klein, Physics, to research a theory of elementary particles at MIT's Institute of Theoretical Physics.
Dr. Igor Kopytoff, Anthropology, extension of 1974-75 leave.
Dr. Alan C. Kors, History, to conduct research in the Parisian archives on 11th century history.
Dr. Irving B. Kravis, Economics, to continue an international comparison project; to investigate the influence of multinational corporations on international trade flows.
Dr. Lynn H. Lees, History, to study at Princeton's Shelby Cullom Davis Center and to complete a manuscript on English social history (fall, 1975).
Dr. Neil Leonard, American Civilization, to finish a book on modernism in several American arts after 1900 (fall, 1975).
Jerre Mangione, English, to complete a combination of memoir and history of the 1930's and 1940's.
Dr. Heinz H. Moenkemeyer, German, to continue work on a monograph about Klopstock (fall, 1975).
Dr. Thomas Naff, Oriental Studies, extended through spring, 1975.
Dr. Albert Pepitone, Psychology, to continue cross-cultural research on human reactions to normative violations (spring, 1976).
Dr. Robert T. Powers, Mathematics, to continue research at Berkeley on unbounded derivations of uniformly hyperfinite algebras.
Dr. Ruben Reina, Anthropology, to prepare two manuscripts on the cultural affects of the European colonization of Guatemala in the 16th century (spring, 1976).
Dr. Ludo Rocher, Oriental Studies, to complete a volume on inheritance law in classical Hindu law (fall, 1975).
Dr. Rosanne Rocher, South Asia Regional Studies, to finish a book on Nathaniel Brassey Halhed (fall, 1975).
Dr. James F. Ross, Philosophy, to conclude a book on the analogy of meaning; to begin research on natural law as the due process of philosophy.
Dr. Stephen A. Ross, Economics, to complete research projects on the theory of agency and on financial economic theory.

(continued)

Dr. Barbara A. Ruch, Oriental Studies, to continue work on two volumes about medieval Japanese fiction and its illustrated format.

Dr. Peggy R. Sanday, Anthropology, to finish a cross-cultural analysis of female status.

Dr. Gino C. Segre, Physics, to research high energy physics at CERN, Geneva.

Dr. Karl Shell, Economics, to do research on theories of optimal taxation and of markets (fall, 1975).

Dr. Ake Sjöberg, Assyriology, to do research for a Sumerian dictionary.

Dr. Carroll Smith-Rosenberg, History, to complete research and write a book.

Dr. Franklin C. Southworth, South Asia Regional Studies, to research multilingualism in India.

Dr. Craig R. Thompson, English, to work on two volumes of a collection of works by Erasmus (spring, 1976).

Dr. Jeffrey H. Tigay, Hebrew and Semitic Languages, to prepare a monograph on comparative models for Biblical literary criticism.

Dr. Lewis G. Tilney, Biology, to study the isolation of particulate actin in cells at the Zoological Station in Villefranche-Sur-Mer, France.

Dr. Etienne van de Walle, Sociology, to do research and writing at the Woodrow Wilson International Center for Scholars in Washington, D.C. (spring, 1976).

Dr. Ingrid L. Waldron, Biology, to study the development of sex differences in coronary-prone behavior patterns at Boston University (fall, 1975); to continue research at Penn (spring, 1976).

Dr. David R. Williams, Psychology, to gain experience in clinical psychology at a Veterans Administration hospital.

Dr. Harvey Winston, Psychology, to do research and writing on schizotypy and schizophrenia; to investigate sports psychology.

Dr. Martin B. Wolfe, History, to prepare a study on the utility of European economic history for the history of public welfare (fall, 1975).

GRADUATE SCHOOL OF EDUCATION

Dr. Joanna P. Williams, to develop curriculum materials for children with learning disabilities at Teachers College, Columbia (1974-75).

GRADUATE SCHOOL OF FINE ARTS

John Keene, City and Regional Planning, to research the emerging aspects of land use regulation and the effects of recent legislation on the concept of property.

Britton Harris, Transportation Planning, to prepare a book on computer modeling for urban systems (fall, 1975).

Morton J. Schussman, City Planning, extension of 1974-75 leave.

Neil G. Welliver, Fine Arts, to replace prototypes and sketches of his work destroyed in a fire.

LAW SCHOOL

Martin J. Aronstein, to study in England the English process of wealth transmission (spring, 1976).

Martha A. Field, to write a book-length manuscript on federal common law (1976-77).

James O. Freedman, postponed to 1976-77.

George L. Haskins, to write the second volume of a series on supreme court history (fall, 1975).

John O. Honnold, to resume work on a constitutional law treatise (fall, 1976).

Robert H. Mundheim, to do research and write on the role of outside directors in publicly held companies (1976-77).

Covey T. Oliver, to do research on U.S.-European legal transactions (1976 or 1977).

SCHOOL OF DENTAL MEDICINE

Dr. Vernon J. Brightman, Oral Medicine, to study disordered oral sensation and atypical facial pain at New York State Veterinary College in Ithaca.

Dr. Anthony A. Vito, Oral Medicine, to study operations research, management and economics and clinical pharmacology.

SCHOOL OF MEDICINE

Dr. James H. Ewing, Clinical Psychiatry, to be director of psychiatry at the Crozer-Chester Medical Center.

Dr. Aaron Freedman, Medicine, for employment elsewhere (spring, 1975).

DIRECT DEPOSIT PLAN

A number of Philadelphia banks are offering selected banking services without charge to University personnel who elect to have their paychecks deposited by the Payroll Department into a checking or savings account each pay day.

This month and next, representatives of each bank will be on campus to process applications for the Direct Deposit Plan. For example, representatives from First Pennsylvania Bank will be at four campus locations July 7-11 during business hours. A recent bulletin to deans, directors and budget administrators provides full information. Similar bulletins regarding the other banks will be issued.

In addition to First Pennsylvania, the other participating banks are Provident National Bank; Philadelphia National Bank; Continental Bank; Girard Trust; Lincoln National Bank; Central Penn; and the Fidelity Bank.

—William J. Drye Jr.,
Assistant Comptroller and Director
of Personnel Information Services

Dr. Howard Goldfine, Microbiology, to do research on cell membranes of normal and cancer cells at the Imperial Cancer Research Fund Labs in London (1976-77).

Dr. Richard N. Harner, Neurology, to conduct research in experimental epilepsy (spring, 1975).

Dr. Joseph J. Higgins, Biophysics, to do research at the National Institute of Alcohol Research (spring and fall, 1975).

Dr. Roland G. Kallen, Biochemistry, to be senior visiting scientist of the Pasteur Institute.

Dr. John S. Leigh Jr., Biophysics, to study the molecular mechanisms of muscle contraction at MRC Molecular Biology, Cambridge (1974-75).

Dr. Martin Pring, Physiology and Biophysics, to do research at the Max-Planck-Institute on the use of computers for the calculation of current-voltage relationships in natural and artificial membranes (summer, 1975).

SCHOOL OF SOCIAL WORK

Dr. John S. Morgan, to analyze data on international welfare planning and policy; to investigate the impact of multinational growth in developing countries.

SCHOOL OF VETERINARY MEDICINE

Dr. Robert Schwartzman, Dermatology, to revise an atlas on veterinary dermatology; to learn new investigative techniques at labs at Harvard and Johns Hopkins (spring, 1975).

WHARTON SCHOOL

Dr. James Emery, Decision Sciences, to be executive director of the Planning Council on Computing in Education and Research for EDUCOM (spring and fall, 1975).

Dr. Paul E. Green, Marketing, to write a text on multivariate analysis in business; to complete a book on mathematical tools for multivariate analysis (spring, 1976).

Dr. Sidney W. Hess, Statistics and Operations Research, for employment elsewhere (spring and fall, 1975).

Dr. Morris Hamburg, Statistics and Operations Research, to do research on capital budgeting and the limits of economic growth; to revise a book on statistical analysis (spring, 1976).

Dr. Leonard M. Lodish, Marketing, to study measurement, statistical analysis and multivariate analysis at MIT's Sloan School (fall, 1975).

Dr. Howard V. Perlmutter, Multinational Enterprise, to research and write books on multinational enterprise and on social architecture.

Dr. Paul F. Smith, Finance, postponed to spring, 1976.

Dr. Hans R. Stoll, Finance, to be visiting associate professor of finance at the Graduate School of Business, University of Chicago.

Dr. Yoram Wind, Marketing, to complete a book on product policy; to update research for a book on the applications of behavioral science to marketing.

OPENINGS

The following listings were taken from the Personnel Office's bulletin of July 1. Openings always appear in Almanac several days after they are first made available via bulletin boards and interoffice mail. Those interested should contact Personnel Services, Ext. 7285, for an interview appointment. Inquiries by present employees concerning job openings are treated confidentially. The University of Pennsylvania is an equal opportunity employer. Qualified candidates who have completed at least six months of service in their current positions will be given consideration for promotion to open positions. Where qualifications for a position are described in terms of formal education or training, significant prior experience in the same field may be substituted. The three figures in salary listings show minimum starting salary, maximum starting salary (midpoint) and top of salary scale, in that order.

ADMINISTRATIVE PROFESSIONAL (A-1)

APPLICATIONS PROGRAMMER ANALYST to analyze and design specified systems for computer operations; design and develop flow charts; prepare detailed specifications, program, test and debug projects; prepare user, program and operational documentation; participate in implementation, including system testing and parallel operations, and in user meetings and education. *Qualifications:* College degree preferred. At least four years' direct programming and systems experience, including design and implementation of applications type systems and use of relatively large operating systems; COBOL and/or PL I programming language. \$10,675-\$13,275-\$15,875.

ASSISTANT DIRECTOR II—ANNUAL GIVING to raise funds from selected undergraduate constituencies; identify, cultivate and solicit prospects from specific alumni classes; recruit class gifts chairman and class agents; compile cross-referenced master list for selected members of class constituency; initiate and coordinate appropriate class reunion gifts funds; act as administrator of assigned class reunion programs. *Qualifications:* College degree, preferably from Penn; some experience in public relations desirable; ability to organize volunteers and provide low key leadership to class gifts programs. \$9,275-\$11,450-\$13,600.

ASSISTANT DIRECTOR III—ANNUAL GIVING responsible to director of annual giving, to organize cultivation and solicitation of alumni; enlist program officers; conceive, coordinate and execute annual giving appeals and acknowledgements; organize special events, meetings, telethons, etc. for groups to encourage and promote interest in giving; supervise all aspects of programs and direct work flow of secretary and volunteers; identify large gift prospects and cultivate in concert with class agent; correspond with class agents. *Qualifications:* College degree, preferably from Penn; at least two years' experience in fund raising, public relations or related field; ability to write and speak effectively and select, organize and direct volunteers. \$10,675-\$13,275-\$15,875.

ASSISTANT DIRECTOR—CTS AND FRESHMAN SEMINARS to assist in development and administration of innovative academic programs; counsel students; prepare and monitor program budgets; develop and roster courses; participate in faculty recruitment; coordinate guest speakers; prepare informational literature and publicity materials. *Qualifications:* Ability to work independently; thorough familiarity with university procedures and operations; ability to work with faculty and students; some typing desirable. \$8,075-\$10,050-\$12,000.

ASSISTANT SUPERINTENDANT OF SECURITY to supervise and take responsibility for job performance of security officers on his shift (approximately one-third of the force). *Qualifications:* College degree with law enforcement coursework preferred; at least five years' experience in law enforcement, preferably with safety function involved; ability to command and supervise effectively, to communicate with and relate to students, faculty and administrators, to plan and direct special investigations, and prepare appropriate reports. \$10,675-\$13,275-\$15,875.

DIRECTOR OF RESIDENTIAL LIVING responsible to the Vice-Provost for Undergraduate Studies and University Life, to direct and supervise overall operation of student residences, college houses, fraternities and the resident student counseling program; develop and expand college house program; maintain close liaison with many offices,

including the undergraduate and graduate schools, Buildings and Grounds, Security and Dining Services; promote relations in the residence area; maintain and supervise the Conference Center Program. *Qualifications:* B.A. or preferably advanced degree with specialization in personnel management, business administration and student affairs; considerable experience in university administration, concentrated in residence and student affairs. \$14,125-\$17,600-\$21,050.

LIBRARIAN, humanities and social sciences, to work with faculty and students to solve bibliographic and research problems; help users to gain access to all library resources, including computerized sources; take special responsibility for periodicals/microform and library orientation programs. *Qualifications:* Master's degree in library science and B.A. in humanities/social sciences; several years' experience in reference work or readers' services; competence in several foreign languages, preferably including both German and a Romance language; ability to relate well to people; familiarity with information retrieval helpful. \$10,675-\$13,275-\$15,875.

LIBRARIAN III to administer Japanese Collection; solve bibliographic problems and provide reference and research services for students and faculty; select Japanese-language books and journals for the collection; supervise cataloging and classification of collection; work closely with faculty and students of the Department of Oriental Studies. *Qualifications:* Master's degree in library science; thorough knowledge of Japanese culture, history, literature, etc.; experience in administering Japanese collection in a major research library; knowledge of the various classification systems, including LC; demonstrated ability to work with faculty and students in providing reference services and handling book selection; supervisory ability, mature judgment and a service approach and attitude toward developing the collection into a usable resource for students and faculty. \$12,300-\$15,325-\$18,350.

RESEARCH SPECIALIST I to perform biochemical research on the purification and kinetic properties of TRNA methyl transferases. *Qualifications:* Recent Ph.D. in biochemistry; training in enzyme kinetics. \$9,275-\$11,450-\$13,600.

STATISTICIAN to write and run computer programs; analyze incoming project data for statistical accuracy; maintain storage retrieval system. *Qualifications:* B.A. in economics or statistics; experience or aptitude in computer programming. \$8,075-\$10,050-\$12,000.

SUPPORT STAFF (A-3)

ADMINISTRATIVE ASSISTANT I responsible for budget; all program reports and press releases; applications procedure, including student resumes, proposals and interviews; office supervision; arrangements for meetings, receptions, dinners, and seminars; travel arrangements; secretarial duties. Must be able to make administrative decisions and communicate program details to students, corporations and government agencies in Director's absence. *Qualifications:* At least one year's secretarial experience; superior secretarial skills; business and bookkeeping skills; mathematical and financial sense; ability to organize efficiently and to deal with students and public; shorthand preferred. Must be willing to work long, hard hours. \$6,550-\$7,925-\$9,300.

ADMINISTRATIVE ASSISTANT I AND II (6/25/75).

ASSISTANT SUPERINTENDANT, maintenance (6/25/75).

CLERK III (6/25/75).

JANITOR ATTENDANT to attend door and make rounds of the Museum using a Rotex watchclock. *Qualifications:* Previous watchman experience preferred. Possible rotation of shifts on a monthly basis. \$3.35/hour.

JUNIOR ACCOUNT to perform bank reconciliations; reconcile data flow from banks and brokers; analyze trust funds. *Qualifications:* High school diploma (some higher education preferred); bookkeeping or accounting experience; good typing skills; familiarity with ten-key adding machine. \$6,550-\$7,925-\$9,300.

LIBRARY STACK ATTENDANT to shelve books in reading rooms and stacks; pick up library mail from Law School mail room; pick up and deliver books and periodicals to faculty offices; run occasional errands. *Qualifications:* High school diploma; typing skills; library experience and some higher education desirable. \$7,971.

LIBRARY CLERK, acquisitions, to assist in book selection; process book orders; search library holdings; maintain accounts files. *Qualifications:* Good typing skills; B.A. and previous library experience helpful. \$7,971.

MEDICAL SECRETARY (4) (6/25/75).

(continued)

PHYSICAL LABORATORY TECHNICIAN III (6/25/75).

PROJECT BUDGET ASSISTANT (6/25/75).

PSYCHOLOGY TECHNICIAN I to administer EEG's to patients in addiction studies (training provided); collect and record clinical data; keypunch and run simple computer programs and statistical calculations; conduct interviews and psychological testing; perform library research. *Qualifications:* B.A. in psychology; experience in behavioral research, and in administering and reading EEG's, interviewing, and use of computers. \$7,900-\$9,450-\$11,000.

RESEARCH BIBLIOGRAPHER I to research and write reports on financial history and Penn connections of prospective alumni and non-alumni donors, using University libraries, development lists, and records, as well as newspaper microfilms, Martindale and Hubbel, etc. *Qualifications:* At least two years of college; accurate typing skills; ability to work independently in selection of material and data; ability to complete all aspects of complex and extensive reports. \$6,550-\$7,925-\$9,300.

RESEARCH LABORATORY TECHNICIAN II to prepare small animal tissues for exposure to anesthetic gases and other chemicals; work with isotopes; tabulate and analyze numerical data; maintain and inventory laboratory glassware. *Qualifications:* High school diploma; two or more years of college preferred; research experience involving handling of small animals and preparation of tissue extracts and chemical solutions; understanding of scientific and chemical terminology. \$7,000-\$8,300-\$9,575.

RESEARCH LABORATORY TECHNICIAN II (2) enzyme assays; bacterial antigen analysis (6/25/75).

RESEARCH LABORATORY TECHNICIAN III to perform analyses, including blood gases, electrolytes, hematocrit, osmolality, glucose, anesthetic concentrations and thromboelastograms; report results to appropriate operating room or intensive care unit; assist in maintaining transducers and other monitoring equipment; perform tests and calculate cardiac output of patients in situ; perform other duties as necessary. *Qualifications:* B.A. in medical technology or equivalent. \$7,900-\$9,450-\$11,000.

RESEARCH LABORATORY TECHNICIAN III to perform various chemical and immunological tests; assist in animal surgery and experimental work; maintain and inventory materials and equipment; perform other duties as required. *Qualifications:* B.S. in chemistry, biology or related science; radioimmunoassay experience helpful. \$7,900-\$9,450-\$11,000.

RESEARCH LABORATORY TECHNICIAN III to organize lab, perform isotope measurements; assist in animal experiments; perform following blood chemical analyses: carboxyhemoglobin content, blood gases, oxygen content, pH. *Qualifications:* B.S. in biology or chemistry; research assistant experience; some experience in blood gas and pH measurements and chemical analysis desired. \$7,900-\$9,450-\$11,000.

RESEARCH LABORATORY TECHNICIAN III to grow and handle tissue culture cells; isolate mitochondria and nuclei; perform protein and nucleic acid analyses; count isotopes; perform chromatography; order supplies and equipment. *Qualifications:* B.A. or equivalent; lab courses in biology, chemistry and mathematics; manual dexterity, neatness; ability to calculate concentrations, etc.; experience in above techniques preferred, but training can be provided. \$7,900-\$9,450-\$11,000.

RESEARCH LABORATORY TECHNICIAN III. Eleven positions announced June 25, 1975: blood gas analysis; animal experiments (2); diabetes mellitus research; brain metabolism and blood flow; cell culture (3); protein isolation and analysis (2); and tissue culture. \$7,900-\$9,450-\$11,000.

RIGGER, racing shells (6/25/75).

SECRETARY IV to prepare personnel and budget forms and periodic reports of proxy voting record; maintain office procedure; assign work to other secretaries as required; perform other duties as assigned. *Qualifications:* At least five years' business background; flexibility and sound administrative judgment; ability to work with a wide range of people. \$7,050-\$8,600-\$10,150.

SECRETARY I; II (8); III (4); IV (6/25/75).

UNIVERSITY COURIER. *Resumes only* (6/25/75).

HOURLY PAID (A-4) openings are listed on Personnel Bulletin Boards in 12 campus locations (Almanac May 27, 1975).

A-3 PICNIC

Do you long for leafy glades and soft green pastures dotted with gently grazing animals? The A-3 Assembly Program Committee would like to hear from A-3's interested in a picnic and tour of the New Bolton Center on a Saturday in August or September. Contact the Committee at 418A F.B./16, or call Mrs. Phyllis Nemarow, Ext. 7894, or Mrs. Margaret Sabre, Ext. 5285.

STOP SMOKING

You can stop smoking on your own with the help of a new book from the Center for Behavioral Medicine. Using the Center's behavior modification techniques, the book teaches you to "kick the habit", step-by-step, over 8-12 weeks. The only charge is a \$10 deposit refundable on return of the book and materials. For more information, or to set up the required screening interview, call Ceil Hirsh, 227-3503 from University phones.

OFF-CAMPUS CATERING

Planning an off-campus cocktail party—or even a luau in your back yard? Penn Student Agencies will cater it. The non-profit organization offers complete catering services, including banquet, dinner and party equipment, bars, beverages, and edibles ranging from hors d'oeuvres to main dishes to desserts, delivered to your home. Penn students will take care of everything from set-up to clean-up. Billing is made within ten days after the party. To play host instead of galley slave, contact the Penn Student Agencies, catering division, 201 Logan Hall, Ext. 6816.

THINGS TO DO

There's a menagerie on campus: onagers, condors, zebras and other endangered species are "captured" in Susan LeRoux's *drawings and paintings* exhibited through July 18 in the Houston Hall Gallery. Sponsored by the Women's Center and Houston Hall.

Although most campus activity has ground to a halt, the film series at the C.A. and Fine Arts Building continue to continue. C.A. screenings during July include *This Sporting Life* (10th); *Harold and Maude* (16th); Marlene Dietrich in the *Shanghai Express* (17th); *Quackser Fortune Has a Cousin in the Bronx* (23rd); and *The King of Hearts* (24th). Fine Arts offers more old favorites: *Play It Again, Sam* (10-11th); *A Clockwork Orange* (15-16th); *The Wizard of Oz* (17-18th); *The Producers* (22nd-23rd); *The Godfather* (24-25th); *The Thin Man* (29-30th, 7:30 p.m.) and *The Thirty-nine Steps* (9:30 p.m.). The Marx Brothers wind up July and start August with a double feature: *Duck Soup* and *Horsefeathers* on the 31st and 1st. The summer schedule concludes with *The French Connection* (5-6th) and *A Cartoon Retrospective* (7-8th). Showtimes are 7:30 and 9:30 p.m. at the C.A.; 7:30 and 10 p.m. at Fine Arts, unless otherwise noted. Admission: \$1 for all films.

Sheerr Pool, closed last spring for repairs, is open again for noontime and after-hours swimming: weekdays, 12-7 p.m. and Saturday, 12-5 p.m. To retransfer lockers from Hutchinson to Gimbel Gym, stop by at the Gimbel office, 12-4 p.m., weekdays.

"The livin' is easy"—or at least easy enough to take 30 minutes and make a donation during the *Blood Donor Club's summer drive*, July 15, 1-7 p.m. in Hi-Rise North.

With an eye for context, the ICA is offering 30 hours of personalized tennis instruction—in the White Mountains of New Hampshire. Australian pro Roy Emerson will supervise all small group lessons during the July 20-25 *Tennis Holiday* at the Snowy Owl Inn in the Waterville Valley. The \$485 per person fee covers lessons, deluxe accommodations, meals, sauna, swimming, cocktail parties, a \$50 donation to the ICA—and a year's membership for nonmembers who attend. Non-playing spouses are welcome for \$200, and children can be accommodated. Reservations should be made immediately the ICA, Ext. 7108.

ALMANAC: 515 Franklin Building (16) Ext. 5274

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