

Almanac

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AAAS in May: Taking Shape

With President Sheldon Hackney and Smith-Kline Beckman's Henry Wendt as co-chairs, the Annual Meeting of the American Association for the Advancement of Science is assembling scientists from around the world for presentations May 25-30.

Dr. Alfred P. Fishman of the School of Medicine, as chair of a Local Scientific Program Committee, gives some highlights of Penn faculty participation in a roundup on the back page of this issue.

IN BRIEF

WXPN: Breaking the Barrier

Campus radio station WXPN's latest marathon broke the \$100,000 barrier for the first time, setting a record of \$112,000 in listener pledges—\$19,000 above last year's level. About 200 more donors called in than before, for a listener-support total of nearly 4400 people. "My heartiest congratulations and thanks to Station Manager Peter Cuzzo, the staff, the volunteers and, of course, to the listeners who responded," said Vice Provost for University Life James H. Bishop.

Open Expression: Findings; Upcoming

The Committee on Open Expression has delivered its findings on the charge that occupation of the President's Office on January 17 violated three Guidelines, VPUL James H. Bishop has confirmed (see page 2). Seven students, protesting the Trustees' decision to wait 18 months to consider total divestment in South Africa, remained after being instructed to leave 100 College Hall (*Almanac* January 21).

The Committee is now taking up a question concerning photographic surveillance at a demonstration, Chairman Louis A. Girifalco said Friday. Animal rights activists have charged in *The Daily Pennsylvanian* that photographs were taken at a demonstration last year; Public Safety has responded that they were taken but destroyed without processing. Former COE Chair Dr. Larry Gross asked the President, at Senate's April 16 meeting, for assurance that the photography was "a singular aberration" and the President replied "Yes."

Power: Looking into \$7 Million/Year Savings

The Trustees are expected to review in June a proposal for Penn and Amtrak to proceed in planning an \$80 million cogeneration plant, probably on Murphy Field, to supply heat and electricity for the University and HUP. Savings of \$7 million the first year are projected, and financing is described by Senior Vice President Helen O'Bannon (see page 3) as planned via "non-recourse debt" without University capital and without risk to assets or revenues.

Scott Paper Company and, closer to home, International House now have cogeneration units in operation.

Mrs. O'Bannon, a commissioner with the Pennsylvania Public Utility Commission between 1975 and 1979, said "the primary reason we have been investigating utility alternatives is to guarantee that we have a reliable and rea-

sonably priced source of steam. PECO (Philadelphia Electric Co.) is reportedly in the market to sell the Schuylkill River plant."

But she also cited costs: Steam costs that have risen more than 200% in the past ten years despite a usage drop of 22% at the University, plus PECO's request for a 28.2% net rate increase over the next three years and its determination to complete Limerick 2. "Our electric costs can only continue to rise out of all proportion," Mrs. O'Bannon continued. "Unlike PECO, we can't expect the 'customer' to absorb increased utility costs. We can't keep passing PECO's problems along to our students and their parents."

If the project is approved, construction is expected to take about two years.

Awards to Outstanding Teachers: Wharton, Education

Two more schools have announced teaching awards: Wharton and Education (see *Almanac* April 22 for Arts and Sciences, Law and Social Work). Nursing, Medicine, Dental Medicine and Veterinary Medicine will be published next week.

• In the Graduate School of Education, Dr. Susan Lytle, assistant professor of education and acting director of the Literacy Research Center, is the winner of the 1986 GSE Award for Excellence in Instruction. The award for contributions to teaching and learning is presented at the School's commencement. The winner is selected by recommendation of the faculty committee on instruction. Dr. Lytle is noted for the teaching of reading and writing, including reading-across-the-curriculum. She

is widely known on campus for consulting that "teaches others to teach."

• In the Wharton School, the 1986 Anvil Award goes to Associate Professor of Management Balaji Chakravarthy, who teaches business policy and strategic planning. The award, named to symbolize the school's founder iron magnate Joseph Wharton, is presented to the professor voted "most outstanding" by Wharton graduate students. The Anvil Award, established in 1969, is an engraved plaque which will be presented to Dr. Chakravarthy at Commencement in May.

• Dr. Chakravarthy is also one of nine recipients of the 1986 Excellence in Teaching Award, given to teachers ranked highest by students on course evaluation forms for the preceding four semesters. Started in 1982, the award is also given to:

• Dr. Jamshed Ghandhi, associate professor
(continued on page 2)

INSIDE

- Senate Chair: Goals, Achievements, p. 2
- COE Findings; Next Steps, p. 2
- Cogeneration Project (O'Bannon), p. 3
- Speaking Out: Leges et Mores; SCUE, p. 3
- MAY on Campus, pp. 4-5
- Of Record: Academic Calendar 1986-87, p. 6
- International Grants; Trustees, Council, p. 7
- AAAS Local Programming; CrimeStats, p. 8

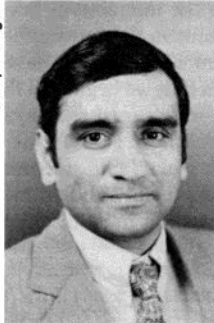
Pullout: School of Nursing's Five Year Plan

Jane Friedman



Susan Lytle

Joseph Ciaglia



Balaji Chakravarthy

On Goals and Achievements

On the conclusion of two years of very active "public" life as Chair-elect and Chair of the Faculty Senate, a number of thoughts come to mind. The time is opportune because next year the involvement as past-chair is usually less intense with emphasis on a consultative rather than on a leadership role.

The first set of thoughts revolve around the goals of Penn, of its faculty, and of the Faculty Senate. It seems clear to me that the faculty at large considers academic excellence as the primary objective of or for this institution. From numerous communications from all parts of the campus, all ranks of faculty and from most specialties, it seems that the support is overwhelming for exerting whatever effort it takes to achieve and retain the highest attainable level of academic excellence. It is of particular importance for this institution what the faculty considers important because in the self-motivating, nearly autonomous activities of each faculty, it is the commitment and dedication of the faculty that counts most. If, then, the pursuit of academic excellence is what the faculty at large believes should be the primary goal, this should then be the primary goal of the institution itself and of its Faculty Senate. It sounds a bit too deterministic, but this, I believe, is the reality of the situation, and in this respect the president's emphasis some time ago on this matter was well addressed, indeed. Within this general notion of academic excellence a number of structural objectives seem to be important. From recent events one is bound to conclude that the first of these structural objectives is academic freedom for faculty and students; this foundation rock for all inquiry and learning seems to be central to the concerns and processes of this university. Next to this, it seems to me, is the notion of participatory government in the form of increased participation of the faculty in University Governance, and of increased involvement of the student leadership in the decision-making process on matters involving students.

The University is doing well on a number of fronts. Its investments are doing quite well, the level of contributions is quite high, the number of undergraduate applicants is reaching record levels, and its faculty is quite present in the national and international scene. Scholarship on campus is of high esteem among faculty and students and the level of scientific inquiry is quite high indeed. And yet there were, and are, a number of concerns. Achievements can then be considered in relation to both the goals and the concerns in evidence.

To start with it should seem clear that achievements in such a complex environment can only be conceived as the result of concerted efforts of many workers, not any single individual. And in my case there were many many colleagues who were willing to offer whatever contribution was asked and was possible. With these considerations in mind one would have to start by stressing the efforts applied in a hundred different forms towards the reaffirmation of academic excellence as the primary goal of this institution. The enhancement of the intellectual discourse on campus, and the protection of academic freedom for all was another essential effort. These two were accompanied by two more types of effort. One was the effort to impress on all levels of the administration the importance of enhancing the faculty role in University Governance matters. The other was the further enhancement of the public image of the University of Pennsylvania faculty in a manner that conveys immediately the notion of individuals of uncompromised ethical integrity, and unmatched scientific and artistic leadership. As a means of securing these targets the effort encompassed the push toward a more secure economic status for the faculty of this institution, evolving and growing as the contributions of the individual faculty members evolve and grow.

If some small measure of contribution along these lines was added during this period that would be consistent with what was attempted during these two years. Nonetheless, what I personally consider most gratifying for me is the effort that was applied in many different ways to strengthen the unity of the faculty. A couple of years ago, due perhaps to some mistakes in perceptions, the faculty was deeply divided, and suspicious of each other's motives. In April 1986 these divisions are, or at least seem to be, much smaller. We still have our differences but we also know that one group would not work for the detriment of the other. The feeling that we are all together in this great endeavor of making Penn still a greater place for all, our students, and our faculty, permeates our deliberations. I hope it will continue as such in the foreseeable future. As a by-product of all this change there seems to be also greater comfort, and a bit more trust, in the interactions between the faculty and the administration. I hope again that this will also continue in the foreseeable future.

A final word about the other concerns that many among the faculty have. Placing first what unites us, and what is important for all of us, does not mean that we negate all the other concerns that are close to the heart of many faculty members. These concerns are there and all of us should, and must, pursue them individually, or as small or large coalitions. What was meant in the preceding paragraphs was to stress the significance of what can make Penn still greater and what can receive the greatest support from all sources from within the faculty and from without. Paraphrasing a famous historical statement it was an effort to define what most of us can do for Penn, not what Penn can do for some of us.

Anthony R. Tauer

Teaching Awards: Wharton & GSE

(continued from page 1)

of finance and the 1975 Anvil Award winner;

- Dr. Arleigh Hess, associate professor of economics and co-winner of the 1983 Anvil Award;

- Dr. Howard Kaufold, assistant professor of finance and associate director of the Wharton Graduate Division, the 1984 Anvil Award winner.

- Dr. David Reibstein, associate professor of marketing, co-director of the Center on Marketing Strategy and one of the first to receive the Excellence in Teaching Award in 1982;

- Dr. Jerry Rosenbloom, professor of insurance;

- Dr. Anita Summers, chair and professor of public policy and management;

- Dr. Paul Tiffany, assistant professor of management and last year's Anvil Award winner;

- Dr. William Tyson, assistant professor of legal studies and accounting and co-winner of the 1983 Anvil Award.

Open Expression:

Findings Re January 17

In an April 14 letter to Acting Judicial Inquiry Officer Constance C. Goodman, the Committee on Open Expression found "that on January 17th, 1986, violations of the Guidelines on Open Expression occurred in President Hackney's office. There were three such violations. The office contains records as described in Section III.D.1.a of the Guidelines and therefore this Section was violated. The office is private and therefore Section III.D.2.a of the Guidelines was violated. Individuals were instructed to leave the President's office after having been told they were in violation of the Guidelines on Open Expression by the Vice Provost for University Life. The individuals did not leave. This constituted a violation of Section IV.C of the Guidelines."

The letter from COE Chair Dr. Louis A. Girifalco also states that "The Committee found that during the entire incident of January 17th, the students were quiet, well mannered and orderly. There were no verbal or physical actions that could be construed as damage, or threat of damage, to persons or property."

Separately, VPUL James H. Bishop noted that the Committee confined its findings to whether or not there were violations, and does not charge anyone in the violations. The charge that goes to the JIO will be forwarded by William Owen as executive assistant to the President.

While the case was before the COE, the Graduate and Professional Students Assembly took a resolution at its January meeting asking the University to drop the charges against the seven students. In March, GAPSA voted to refrain from appointing a new representative to the Racial Harassment Policy Committee "until the University drops the charges against the seven students, as GAPSA and GSAC have requested, or until the judiciary process has been completed if the charges are not dropped."

Speaking Out

Leges et Mores

It was with great apprehension that I followed the one-sided discussion at the last Senate meeting on the proposed Guidelines on Open Expression.

This University was founded, and is committed to carry out its responsibilities as a community of scholars. I firmly believe that scholarly aims cannot be achieved without free, unfettered discussions, and the freedom of acquiring new knowledge by research. Such freedoms also imply the right of a critical appraisal of views and work of other members within the community.

However, I submit that such criticisms must be tempered by respect for the scholarship and personal integrity of other colleagues. The rights of members of the community cannot be dissociated from the moral responsibilities of individuals to the University, and to other members of the community, thus setting an example to our students on the code of ethics of intellectuals and professionals. Without collegiality and mutual respect amongst faculty the spirit of the community of scholars will suffer irreparable harm.

I therefore appeal to colleagues to uphold the aims of the University, by emphasizing not only the *Leges*, but also the *Mores* which the founders of this University had in mind. I would like to hope that an appropriate formulation of the Guidelines will help to express a reasonable blend of rights and responsibilities of the University community.

—Arnold Kleineller,
Emeritus Professor of Physiology

New Distributional Requirement

Last year in our White Paper report, we called for a stronger Arts and Sciences curriculum which would provide students with a coherent, well-structured undergraduate education. Specifically, we indicated that a new set of distributional requirements should form the backbone of this curriculum.

In light of this, the Committee on Undergraduate Education has recently taken steps toward altering the distributional requirements. We believe that their proposed program represents a dramatic improvement over the existing one in a number of ways. First, it provides much-needed curricular structure in the freshman and sophomore years. This will facilitate better educational planning and advising. The reorganized distributions are also more illustrative of what actually links the disciplines in each group. With a clearer rationale, students will find the requirement less legalistic. We also share the committee's belief that non-western and non-traditional course work should be included in any broadly educated person's studies. Importantly, the proposal places greater emphasis on developing a humanistic perspective, while encouraging serious study of the sciences as well.

SCUE commends the recent efforts of the Committee on Undergraduate Education in creating a new distributional requirement which is both feasible and educationally sound. By adopting this proposal, the College will ensure that students do not simply fit courses into categories, but rather consciously create a comprehensive breadth experience for themselves. We strongly urge the faculty to support this proposal.

—Lynn Parseghian, Chair, SCUE

Attention All Singers!

For the first time ever, Graduation Exercises will take place in Franklin Field this year! I am responsible for the music and I hope to put a large and exciting chorus in the stadium to perform with brass accompaniment.

I'll welcome any and all singers, including faculty and staff, who now sing with any University vocal group and who can perform with us on Monday, May 19 at 10 a.m. (In fact, if you sing, you need not even be a member of a group now!) I'd love to mount a chorus of 100 or more! Men and women!

Please let me know your name, what part you sing and an address and telephone number. I will get back to you about music and *minimal* rehearsal time. Please call Ext. or write to me at Room 522 Annenberg Center/6219.

—Bruce Montgomery
Director, Penn Glee Club

Daisy Day for CHOP

This year's Daisy Day fund-raising drive is the thirty-fourth for the Children's Hospital of Philadelphia. The campaign, a street-corner exchange of paper daisies for contributions, is sponsored by the Auxiliary of Children's Hospital. Funds collected are used to help parents who are unable to carry the full cost of their children's care. *Daisy Day takes place May 7-9*. Many volunteers are needed to exchange daisies for contributions at lunch time on these days. Time is short. If you can help for even an hour, please call Ext. 1395 and leave a message for me.

—Thomson Kuhn, Assoc. Director,
Wharton Computing and Instructional Technology

SPEAKING OUT welcomes the contributions of readers. Almanac's normal Tuesday deadline for unsolicited material is extended to THURSDAY noon for short, timely letters on University issues. Advance notice of intent to submit is always appreciated.—Ed.

On The Penn/Amtrak Cogeneration Project

After more than two years of study, the University of Pennsylvania and the National Passenger Corporation (Amtrak) have jointly begun planning the development of an \$80 million facility to generate steam and electricity for use by both Penn and Amtrak. The proposed facility would be a 58-megawatt cogeneration plant which would utilize natural gas as its primary fuel. The cogeneration process is not a new technology but is one of the most efficient methods of producing electrical and thermal energy. The plant, which would consist of two gas turbine generators, a waste-heat recovery boiler, and a steam turbine generator, would provide 85% of the electricity requirements and 100% of the steam requirements of the University and Amtrak. The proposed site for this facility is on one of the University's athletic fields along the Schuylkill River.

With the commencement of the planning phase of the project, the University and Amtrak will be making appropriate filings to meet legal and regulatory requirements for a cogeneration facility.

The University and Amtrak have been assured by the project's financial advisors that this project can be fully financed with non-recourse debt. Thus, no University capital will be required to build the plant and the University's assets and revenues will not be placed at

risk. The University and Amtrak are sharing equally in the initial costs associated with the preliminary phases of this project.

I am convinced that if the University were able to realize a savings of only 10% in its current energy bill from this project, that savings represents 2% of the University's total unrestricted payroll and just under 2% of its tuition revenues. With potential savings of this magnitude and greater from cogeneration, this project must be carefully explored.

However, before moving to construction phase, the University will re-examine the economic assumptions underlying the financial viability of the entire project. If the project continues to present a strong stream of energy cost savings, the project will be presented to the Trustees for their consideration and action.

The University has felt compelled to review energy alternatives because of questions and concerns about the reliability and viability of the district steam loop. Further, the dramatic increases in electric rates proposed by PECO will have a profound effect on the University's operating budgets. Thus, cogeneration becomes an attractive alternative.

—Helen B. O'Bannon, Senior Vice President

May on Campus

May on Campus

DEATHS

Dr. James H. Mark, a former associate professor of veterinary medicine, died April 7 two days before his seventy-first birthday. Dr. Mark, a 1938 graduate of Penn's Veterinary School, was an intern and later chief resident of the Veterinary Hospital of the University. In 1945 he became an assistant professor of veterinary medicine and an associate professor in 1955. Dr. Mark left Penn in 1958 for the U.S. Food and Drug Administration where he spent 20 years, retiring in 1978 as director of its Bureau of Veterinary Medicine. He is survived by his wife, Ruth; daughter, Suzanne, and a sister, Martha Quinton.

Dr. Tadeusz Jan Wiktor, an associate professor of epidemiology and public health and a research scientist at Wistar, died April 20 at the age of 65. Known as one of the world's leading authorities on rabies, Dr. Wiktor—a native of Poland—came to the Wistar Institute in 1961, and in 1974 he was promoted by Wistar's Board of Managers to the position of professor, which he held at his death. He was appointed associate professor in the department of clinical studies at the School of Veterinary Medicine in 1967 and became a naturalized citizen the same year.

During his 25 year association with Wistar, Dr. Wiktor devoted his efforts to the eradication of rabies. He is credited with a major role in developing vaccines that are expected to control rabies in animals as well as in humans. Working under the direction of virologist Hilary Koprowski, who has headed Wistar since 1957, Dr. Wiktor and his group developed a vaccine against human rabies which replaced the painful, dangerous and not always effective treatment devised a century before by Louis Pasteur. Dr. Wiktor took pride in being the first person ever to receive the Wistar vaccine. During the past decade approximately one mil-



Dr. Wiktor

lion people have been inoculated with it.

His most recent efforts centered on developing a "large-batch-production" vaccine whose cost would be significantly less making it affordable to impoverished developing nations, where rabies remains a serious threat. His other major goal, the control of rabies in wildlife, is also nearing reality. An oral vaccine against raccoon rabies is currently being developed at Wistar. Raccoon rabies is now at a historically high level in the Mid-Atlantic region.

Dr. Wiktor is survived by his wife, Hanka, and sons, George, Peter and Stefan. Funeral services will be held at noon, April 29 at the Chapel in West Laurel Hill Cemetery. A memorial service will follow at 2 p.m. at the Wistar Institute today. Contributions may be made to the Tadeusz Wiktor Memorial Fellowship Fund at Wistar.

Morris Arboretum Goes to China

A three week tour of China's gardens and natural landscapes will be sponsored by the Morris Arboretum from October 9-31, 1986. Leading the tour will be Paul Meyer, curator and director of horticulture at the Arboretum and William Wu, a prominent art historian and native of Shanghai.

Participants in the tour will visit Guilin with its magnificent mountains; the Yunnan Province, site of the richest concentration of temperate plants in the world and of the fantastic rock formations of the Stone Forest; and Xian, the capital of nine Chinese dynasties. Also on the itinerary are the cities of Suzhou, Hangzhou, Hong Kong and Shanghai. Cost for the tour, including Arboretum membership, transportation, meals and double-occupancy accommodations in China is \$4895. For more information call Sally Gresh at 247-5777.

Spring Plant Sale

Order forms are available now for the Parent Infant Center's fourth annual Spring Plant Sale. The sale, which features annuals, perennials, herbs, and some vegetables, is held each year to support the day care center's program for children ages 3 months-5 years. Proceed from this year's sale will be used to construct outdoor climbing structure which will be used by the center and will be available to community youngsters for weekend play. To request an order form, please call Ext. 3417 or 4180.

Need Summer Help?

Departments in need of temporary help during the summer are asked to call Human Resources/Employment (Ext. 7285).

Some current University employees who normally work September through May will be available to work this June, July and August. The Employment Office is coordinating efforts toward matching these employees with summer openings at Penn.

Employment Office staff will concentrate on matching department needs with the skills of these Penn employees.

—Linda Frank, Manager, Human Resources/Employment

OF RECORD Academic Calendar 1985-86

1986 Fall Term

August 28-29	Thurs./Fri.	Move-in and registration for transfer students
August 29	Friday	Center for University of Pennsylvania Identification (CUPID) opens in Palestra (Through September 5)
August 30	Saturday	Move-in for freshmen/New student orientation activities begin
August 31	Sunday	Dean's Meeting, College of Arts and Sciences
September 1	Monday	Labor Day; New student orientation activities continue (through September 12); CUPID closed
September 2	Tuesday	Opening Exercises and Freshman Convocation; Dean's Meetings (Engineering, Nursing, Wharton); Drop-Add begins
September 3	Wednesday	Placement examinations
September 4	Thursday	First day of classes
October 20-21	Mon./Tues.	Fall term break
October 25	Saturday	Homecoming
November 10-14	Mon./Fri.	Preregistration for spring term
November 14-15	Fri./Sat.	Parent's Weekend
November 26	Wednesday	Thanksgiving recess begins at close of classes
December 1	Monday	Thanksgiving recess ends at 8 a.m.
December 9	Tuesday	Fall term classes end
December 10-11	Wed/Thurs	Reading days
December 12-22	Fri./Mon.	Final examinations
December 22	Monday	Fall term ends

1987 Spring Term

January 8-9	Thurs./Fri.	Registration, undergraduate transfer students
January 12	Monday	Drop-Add begins; evening classes for spring term begin
January 13	Tuesday	Spring term classes (daytime) begin
March 7	Saturday	Spring recess begins at close of classes
March 16	Monday	Spring recess ends at 8 a.m.
March 30-April 3	Mon./Fri.	Preregistration for fall/summer sessions
April 24	Friday	Spring term classes end
April 27-29	Mon./Wed.	Reading days
April 30-May 8	Thurs./Fri.	Final examinations
May 16	Saturday	Alumni Day
May 17	Sunday	Baccalaureate
May 18	Monday	Commencement

1987 Summer Sessions

May 18	Monday	12-week evening session classes begin
May 19	Tuesday	1st session classes begin
June 26	Friday	1st session classes end
June 29	Monday	2nd session classes begin
July 4	Saturday	Independence Day
August 7	Friday	2nd session and 12-week session classes end

Religious and other holidays, 1986-87

(These dates are provided for information only. They are not necessarily recognized within the Academic Calendar.)

Labor Day	Sept. 1
Rosh Hashanah	Oct. 4-5
Yom Kippur	Oct. 13
Columbus Day	Oct. 13
Veterans' Day	Nov. 11
Thanksgiving	Nov. 27
Christmas	Dec. 25
New Year's Day	Jan. 1
Martin Luther King, Jr.'s Birthday	Jan. 19
Presidents' Day	Feb. 16
Philadelphia Flower Show	March 8-15
Passover	April 14-21
Good Friday	April 17
Easter Sunday	April 19
Memorial Day	May 25
Independence Day	July 4

Number of Class Days

	F	M	T	W	Th	F	Total
Fall							
1984-85	13	12	13	13	13	13	= 64
1985-86	13	12	13	13	13	13	= 64
1986-87	13	13	13	13	13	13	= 65
Spring							
1984-85	13	13	14	14	14	14	= 68
1985-86	13	14	14	14	14	14	= 69
1986-87	13	14	14	14	14	14	= 69

Corrections: In the list of Research Fund Awards published last week, under the School of Arts and Sciences, one professor's name was misspelled and another's affiliation was incorrect. The entry should have read: Arjun Appadurai, Department of Anthropology, and Carol A. Breckenridge, Asian Section, University Museum—Public Culture in Late Twentieth Century India.

Almanac

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International Programs Fund: October 15 Deadline

The University of Pennsylvania has established an endowment fund for initiatives in area and international studies. Consisting of a challenge grant from the William and Flora Hewlett Foundation plus matching monies, the fund will help Pennsylvania maintain existing strengths and foster innovations in international education.

The fund is available to initiate projects or experimental programs on a short-term basis, not to maintain ongoing programs. The fund shall not substitute for any items that regularly belong in the budget. Appropriate uses of the fund include:

- visiting faculty or short-term teaching appointments;
- symposia;
- bridging gaps on externally funded research projects;
- release time for course development;
- student or faculty travel;
- special additions to the library.

The following are not eligible for support from the fund: standard faculty salaries, program support, student tuition, physical plant and equipment.

Applications for 1986-87 awards in the range of \$1000 to \$5000 are invited from individual faculty members, departments, schools, centers and institutes. Awards will be made on a competitive basis by the provost, with the advice of a faculty committee chaired by Professor Richard D. Lambert

(sociology).

Proposals should take the form of mini-grant applications up to 10 double-spaced pages in length. An original and three copies of the proposal should be submitted to Dr. Joyce M. Randolph, director, Office of International Programs, 133 Bennett Hall/6275, by *October 15, 1986*. Each proposal should include the following information:

- name of principal investigator or project leader, department, school, signatures of department chair and dean;
- title of proposal;
- amount requested;
- description of project or program: objectives; significant contribution towards strengthening the University's international dimension; design, procedures, implementation, timeframe;
- amount and source of current funding; prospects for future funding;
- budget (one page), listing items in order of priority; list of participating faculty, including those at institutions in other countries, with mention of their relevant experience.

Please append a brief curriculum vitae for the principal investigator. Resumes of other participants are optional.

For further information, contact Dr. Randolph, Office of International Programs, 133 Bennett Hall/6275, Ext. 4661.

Penn-in-Ibadan

A new study-abroad program offering credit courses at Nigeria's University of Ibadan July 7-August 8 brings to 15 the number of Penn Summer Abroad offerings this year.

At Ibadan, the leading sub-Saharan institution of higher education, Penn students can study African history, politics, theater, arts and music. Professor Samuel Sylvester of the School of Social Work here will teach, along with the faculty of the Ibadan Institute of African Studies, in the program that grew out of the Penn-Ibadan exchange Dr. Sheldon Hackney called one of the most comprehensive international exchanges in all of higher education.

Penn-in-Ibadan students will be housed in dormitories of the 11,000-student urban university formerly affiliated with the University of London. They can choose any two of five credit courses (African Societies in Transition; 19th-20th Century African History; African Playwrights and Theater; African Visual Art; and Folk and Ethnic Music of Africa). The courses include field trips to such historic sites as Ife and to present-day Nigerian community nerve-centers from church to marketplace.

Tuition is \$1460 (total costs including air fare about \$2960). For information on Penn-in-Ibadan or other Summer Abroad opportunities, phone Elizabeth Sachs at CGS, Ext. 5738.

COUNCIL

Synopsis of Minutes: April 9

The bylaws were amended to assert the right of the chair-elect of the Faculty Senate to attend the meetings of Council committees and to participate in the discussions.

The Facilities Committee presented a series of resolutions. One was adopted calling upon the deans "to allocate separate eating space to the students, as long as it would not decrease classroom space." The purpose is to make it possible for students to eat in the academic buildings and still observe the policy proscribing eating and drinking in the classrooms. The Council adopted a second resolution urging the administration "to include parking requirements and budgeting in the planning process for new facilities, renovations, and plans for new structures on existing parking lots." A discussion followed regarding the committee's desire to establish the costs of operating the University's facilities, both in absolute dollars and in a form that would permit comparisons with costs at other universities.

The report of the Faculty Council on Undergraduate Education (*Almanac*, 4/8/86) was discussed. The report was well received, and some suggestions for minor revisions were made. An Undergraduate Assembly report, "Year 1990 Outlook on Student Life," was presented. It outlined a broad array of steps and activities to be undertaken to improve non-academic student life at Penn. Implementation is to be discussed at the April 30 meeting.

A straw vote, in the absence of a quorum, supported a resolution expressing "outrage at the recent verbal, physical, and printed display of discrimination toward lesbian women and gay men at Penn" and asking the president and provost to make a public statement deploring these acts.

—Robert G. Lornedale
Secretary of the Council

Trustees: April Meeting, Action and Protest

The Executive Board's April 11 meeting, crowded with observers from the Penn Anti-Apartheid Coalition, went through an agenda in which trustees responded enthusiastically to Dr. Hackney's reports of the new software policy (*Almanac* April 15) and changes in conflict-of-interest policy (see page 5). They took action on:

- Appointments and promotions including two new University professorships (see page 1);
- Authorization to award an M.S. in Oral Biology.
- Housekeeping motions on an auditor, University City Associates, ongoing construction (34th and Walnut; Wharton Executive Education and others), and additional renovation projects;
- Rescinding the Program for the Eighties 5% gift tax rule;
- Additions to boards of overseers and other bodies.

Toward the end, University Responsibility Chairman Richard Brown who said the anti-apartheid group's demands had been circulated to committee members and there would be a response at the June meeting.

During the investment report, some 20 observers stood with their backs turned and whispered "Divest Now." At the end, some removed outer shirts to show red-splattered tee shirts

and lay down in the aisles to represent victims of South African violence while a student read a brief speech ending, "Don't you think you should do something now?"

Demonstrations Against Apartheid

In addition to the demonstration April 11: Eight students occupied the President's Office from early afternoon Wednesday, April 9, until about 9 p.m., demanding that President Hackney use his authority to try to get the Joint Resolution on Divestment on the April agenda. The students left after President Hackney reached eight of the fifteen Executive Board members and reported that none wished to put the Joint Resolution on the agenda.

Meanwhile, students built three shanties on the lawn near the Ben Franklin statue to represent living conditions for black South Africans, with crosses symbolizing the recent dead. At night three to six students slept in the shanties, which were vandalized on two occasions but without injury to the occupants. The Coalition removed the shanties April 22, issuing a statement that "the shanties are being dismantled, but our struggle won't stop."

At Yale, according to national news reports, a similar demonstration became confrontational when the administration razed the shanties over students' protests.

AAAS Keynote: Dr. Britton Chance

Noninvasive Medicine: Where is it Taking Us? is the title of Dr. Britton Chance's keynote address May 25 as the Benjamin Franklin Emeritus Professor of Biochemistry and Biophysics leads off the May 25-30 Annual Meeting of the American Association for the Advancement of Science.

The University of Pennsylvania and Smith-Kline Beckman Corporation are co-hosts of the prestigious annual meeting, to be held in three major Philadelphia hotels with a special youth program on campus. President Sheldon Hackney of Penn and Henry Wendt of the Corporation are co-chairs.

The Office of the Vice Provost for Research, 106 College Hall, has the complete program schedule and listing of events for the six-day

meeting of America's largest general scientific organization, with 135,000 members and 285 affiliated organizations.

Some highlights, contributed by Local Scientific Program Committee Chair Dr. Alfred P. Fishman and others:

- Dr. Thomas Hughes, professor of history and sociology of science, gives the George Sarton Memorial Lecture, *Machines, Megamachines and Systems: Freedom and Necessity in the Modern World*.

- Dr. Richard L. Solomon, Skinner Emeritus Professor of Psychology, is the Phi Beta Kappa lecturer on *Costs of Pleasure and Benefits of Pain*.

- Provost Thomas Ehrlich, in conjunction with the Leonard Davis Institute of Health Economics, is host of a symposium, *Medical Practice and Malpractice: Who Shall Set the Standards?*

- Dr. Jeffrey L. Sturchio, acting director of the Center for the History of Chemistry, leads a symposium on *One Hundred Years of Fluorine: From Isolation to Industrial Applications* and delivers one of its papers, on *Fluorine and Its Industrial Applications from Moissan to Midgley*.

- Dr. Norton S. Taichman, professor of periodontics, presides over a symposium on *Determinants of Oral Pathogenicity*, with papers including those of Dr. Jorgen Slots, professor of periodontics (*Overview of Microbial Virulence Factors in Periodontal Diseases*); Dr. Bruce Shenker, assistant professor of pathology/-Dent., (*Immunosuppressive Factors from Oral Bacteria*); Dr. Joseph M. DiRienzo, assistant professor of microbiology/-Dent., Research Specialist Joanne Haller, and Graduate Student Felicia Ciangiarulo (*Cloning and Expression of Oral Microbial Virulence Factors in E. coli K-12*). Dr. Taichman gives a paper on *Leukotoxins as a Mechanism of Bacterial Virulence in Periodontal Disease*.

- Dr. Robert H. Koch, professor of astronomy and astrophysics, presents *Comet P/Halley and Voyager at Uranus*

- Dr. Clyde Barker, professor of surgery, discusses *Depression: Risk and Treatment*.

- Dr. Gregory L. Possehl, associate curator of the Asian section, University Museum, presents *Human Reflections: The Anthropological Museum's Translations of Ideas*.

- Dr. Ward H. Goodenough, University Professor of Anthropology, presents *Issues in the Scientific Study of Religions: Devotions of Self-Maintenance in Contemporary America*.

Department of Public Safety Crime Report— Week Ending Sunday, April 27

The following report includes a weekly count of all reported crimes on campus, a listing of all reported crimes against the person(s), as well as the campus area where the highest amount of crime has occurred that week with a listing of those crimes.

Total Crime

Crimes Against the Person—0, Burglary—4, Theft—25, Theft of Auto—0, Criminal Mischief—5, Trespass—2

Area/Highest Frequency of Crime

Date	Time Reported	Location	Incident
Spruce St. to Locust Walk, 34th St. to 36th St.			
4-23-86	3:38 PM	Irvine Aud.	Music stand, book and class notes taken from open room
4-24-86	9:42 AM	Williams Hall	Unattended wallet taken from room
4-24-86	2:38 PM	Houston Hall	Unattended purse taken from game room
4-24-86	10:36 PM	Houston Hall	Report of 4 thefts of property while at play
4-25-86	10:07 AM	Furness Bldg.	Knapsack and contents taken from unattended studio
4-25-86	10:58 AM	Houston Hall	Answering machine taken from secured information desk
Spruce St. to Locust Walk, 36th St. to 37th St.			
4-21-86	9:26 AM	Steinberg/Dietrich	Oriental rug taken from office
4-21-86	9:47 AM	Steinberg/Dietrich	Sony radio taken from unlocked office
4-23-86	10:57 AM	Steinberg/Dietrich	Petty cash taken from suite
4-25-86	9:44 AM	Steinberg/Dietrich	Computer equipment and disk taken
4-26-86	5:57 PM	3600 Blk. Locust	Knapsack & wallet left unattended was taken
Locust Walk to Walnut St., 34rd St. to 36th St.			
4-22-86	11:42 PM	Van Pelt Library	Wallet taken from unattended coat
4-23-86	2:09 PM	Van Pelt Library	Wallet taken from unattended jacket
4-24-86	6:22 PM	Van Pelt Library	Wallet taken from unattended backpack in carrel
4-25-86	3:04 PM	Meyerson Hall	2 arrests/males ID'd from previous robbery
Spruce St. to Walnut St., Railroad to 33th St.			
4-21-86	9:21 PM	Hutchinson Gym	Unattended gym bags taken from the courts
4-22-86	7:55 PM	Hutchinson Gym	Jacket with wallet in pocket, unattended 2nd floor, taken
4-23-86	4:37 PM	Franklin Field	Wallet & passport from unattended equipment bag
4-23-86	5:52 PM	Rittenhouse Lab	Machine pried/cash box taken
Locust Walk to Walnut St., 36th to 37th Streets			
4-21-86	1:10 PM	3611 Locust Walk	Wallet taken from office
4-25-86	4:26 PM	Hillel Foundation	V.C.R. taken from office
4-26-86	11:59 AM	Phi Sigma Kappa	Unattended brown purse taken while at party

Safety Tip: Every time you leave an unoccupied office unlocked, you're inviting a theft. Always secure your personal property, handbag, wallet, etc., even while in your office.

For Youth: Science and Stars

At the AAAS Youth Symposium to be held on campus April 23, high school juniors and seniors are the target audience of Penn Nobel-list Dr. Baruch Blumberg (on *The Discovery of the Hepatitis B Virus*) and Col. Frederick Gregory, pilot of a 1985 Challenger space shuttle mission, two leading speakers for the day.

Others are Dr. Barbara Brownstein of Temple on *Designing Genes: Understanding Heredity and Changing It*; Dr. Joan Centrella of Drexel, on *Studying the Universe with a Supercomputer*; Dr. Gregg Maryniak of the Space Studies Institute, on *The Harvest of Space*; Dr. Richard Paul of Penn on *Robots Then and Now*; and Dr. George Poste of Smith Kline and French Laboratories on *The Search for the Magic Bullet: Targeting Drugs in the Body*.