Less than three years ago in announcing a $1 million gift from Rohm and Haas, the biology department said it would pull together and expand Penn’s scholarly resources in plant sciences for a major research and teaching initiative in what Chairman Stephen Roth calls the “fusion of microbiology and generic engineering with traditional techniques of plant biochemistry, physiology and breeding.”

Some steps since then:
- Dr. Anthony Cashmore of Rockefeller University has been named professor of biology and Director of the new Plant Science Institute. A New Zealander with three degrees in botany and chemistry from the University of Auckland, Dr. Cashmore moved into molecular biology in 1968 as a postdoctoral fellow at Cambridge University, where he also worked with the Medical Research Council’s Laboratory of Molecular Biology. After a research stint in molecular biology at Berkeley in 1971-72, he returned to New Zealand to join the Department of Scientific and Industrial Research. A 1979 visiting appointment to Rockefeller led to his faculty appointment in 1980, and he was promoted to associate professor last year.
- This summer the Seeley G. Mudd Biological Sciences Building opened formally during the June Trustees meeting, and during September the move-in to the $5.7 million structure south of Leidy Labs was completed. Seven laboratories house work such as:
  - Dr. Scott Poethig’s studies in mutations that affect leaf and shoot morphology, and his investigation of periclinical “chimeras,” which have layers of different genetic make-ups.
  - Dr. Kelly Tatchell’s use of DNA transformation systems of yeast to study gene transcription, DNA rearrangements and other events in gene regulation, plus Dr. Andrew Binns’ use of tumors initiated by Agrobacterium to determine the precise function encoded by particular genes.
  - Dr. Cashmore’s own work, involving genes encoding proteins of the photosynthetic apparatus—how exposure to light “turns on” plant genes, and how protein trafficking is determined in a plant cell (e.g., what determines that a particular protein will be imported into chloroplasts as distinct from mitochondria.)
  - In January the group will be joined by Dr. Joseph Ecker of Stanford, who studies the molecular mechanism of ethylene regulation of plant growth and development.
  - Not physically in the Mudd Building are Dr. Ralph O. Erickson, pioneer in the use of kinetic analysis to study plant growth as a continuous process; Dr. Walter Bonner, working on the molecular basis of energy transfer and thermogenic mechanism; Dr. Allen Brown, whose experiments on the effect of gravity on plant behavior have been conducted in orbit via NASA Spacelab missions; and Dr. Brenda Casper, who researches plant population dynamics and spontaneous abortion.
  - At Morris Arboretum, Dr. William Klein and colleagues studying plant variations as they occur in nature are working in their own new facility, the John J. Willaman Laboratories at Gates Hall, outfitted for tissue culture and acid rain studies as well as the continuing project on the flora of Pennsylvania.

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Senate and SEC

In this column during the year, alternating with news and views, I want to outline the activities and functions of the various committees of the Faculty Senate. The object is to make you aware of their work so that you may know what services are available. The centerpiece of the Faculty Senate is the Senate Executive Committee (SEC). SEC provides a vital continuing voice for the Faculty Senate between Senate meetings on topics of current interest and constitutes a forum for interchange with the administration.

SEC is composed of 48 members and meets monthly on the first Wednesday of each month in the Faculty Senate Office. It is presently composed of 6 officers, 26 constituency representatives, 9 at-large members, and 3 assistant professor representatives. When the full membership is present, SEC is the most representative faculty body on campus. Its opinion should be considered carefully because it is so representative. If your elected representative does not attend regularly and report to you, you are being underrepresented. For the coming year, elections for SEC have been revised and will contain an increased number of constituencies which are more equal in size. The at-large positions have been discontinued to make way for the constituency revisions, requiring additional members.

A proposal recently submitted by the Nursing School for discussion at the November 19 Faculty Senate meeting would reinstate the at-large positions because many feel that at-large members represent wider or alternative groups across campus that might not be elected from their own constituencies. The at-large members have been among the most active of members of SEC. This debate is healthy for the operation of the Faculty Senate and I hope that members of the faculty will make their feelings known through the Speaking Out section of the Almanac; through their representatives, or to me directly, so that we can consider the various positions.

I look forward to a large faculty turnout at the Fall Senate Meeting on Wednesday, November 19 from 3 to 5:30 p.m. in 200 College Hall to definitively consider this proposal. In addition, SEC will be considering their stance on this proposal. One consequence of adding at-large members, resulting in expansion of SEC, would be the problem of dealing with a potential increase in the number of representatives on the University Council. The present number is fixed and various SEC members are now Council members in non-voting status. Adjustment of the size of the faculty constituency would mean that all other Council constituencies would also need adjustment. A solution might be to have any additional SEC members vote only at SEC.

I have asked the constituency representatives to create a network of 3 to 5 members of their constituency to aid in the dissemination of Senate and SEC information to each department and to act as a sounding board for new ideas. If you wish to serve in this capacity, it is a good way to get into the Senate activities and I suggest that you contact your representative. I plan to meet with these network representatives from time to time to inform them of Senate business and to seek their positions about various current campus topics.

SEC has begun a discussion of the Sexual Harrassment Report and will review the Racial Harrassment Report as soon as it is available. The issues are complex and ample time will be given to hear those who wish to encourage those who are harassed to respond more frequently as well as to listen to those who wish to discourage undocumented accusations. After the Council Committee reports are published, I look forward to hearing from you with your views. Please forward comments to me at the Faculty Senate Office, 15 College Hall/6303.

Ordering Publications on C-6 Form

Accounts Payable regularly receives books, magazines and other publications with no hint concerning the actual destination. Whenever ordering publications on a "C-6 Form" please be sure to mark the box "Forward Attachment with check" and include the original order form and one copy showing the name and address of the recipient. If an order form is not used please provide a letter addressed to the payee, and one copy, requesting the item and providing the name and address of the recipient.

— Fred Rockstapel
Manager, Accounts Payable
Seminars on Business Travel

As part of the new Comprehensive Travel Program (Almanac September 9), Rosenbluth Travel is staging a series of seminars for those who travel or University administrators who book such travel for their school or department. On the dates listed below, staff of Rosenbluth Travel, the University's designated travel agency, will tell how to use their services (how to book and change reservations, select accommodations and take advantage of discounts and amenities).

Representatives from the Comptroller's Office will discuss travel policies and procedures including information on expense accounting, travel reimbursements and the use of the Penn Diner's Club charge card.

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Registration Form

Return to: Judy Zamost, 737 Franklin Building/6294

Name ___________________ Extension ___________________

Campus Address ___________________

I would like to attend the following session: (Please check)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 14</td>
<td>1:30-3 p.m.</td>
<td>Rm. 286, McNeil</td>
</tr>
<tr>
<td>October 14</td>
<td>1:30-3 p.m.</td>
<td>Rm. 286, McNeil</td>
</tr>
<tr>
<td>October 28</td>
<td>1:30-3 p.m.</td>
<td>2nd floor, Old Med. Bldg.</td>
</tr>
<tr>
<td>October 28</td>
<td>3:30-5 p.m.</td>
<td>2nd floor, Old Med. Bldg.</td>
</tr>
<tr>
<td>November 6</td>
<td>1:30-3 p.m.</td>
<td>1st floor Conference Rm., Van Pelt Library</td>
</tr>
<tr>
<td>November 6</td>
<td>3:30-5 p.m.</td>
<td>1st floor Conference Rm., Van Pelt Library</td>
</tr>
<tr>
<td>November 18</td>
<td>1:30-3 p.m.</td>
<td>Rm. 104 Hayden Hall</td>
</tr>
<tr>
<td>December 9</td>
<td>1:30-3 p.m.</td>
<td>Rm. S-1, 2nd floor, Dental School</td>
</tr>
</tbody>
</table>

*These sessions will focus on international travel procedures.

I am a (check all that apply)

- frequent traveler
- group/meeting conference planner
- travel arranger
- other (please list)...

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For Research in Literacy

A new program to fund basic and applied research in all areas of literacy has been initiated by the Literacy Research Center (LRC). These awards will provide "seed money" for start-up projects that have the potential to lead to expanded research projects on literacy.

The Literacy Research Center has established this research opportunity with funds from the UPS Foundation. Faculty and dissertation-level graduate students from the University of Pennsylvania are eligible to apply for these one year awards. A maximum of six grants will be awarded: $2500 each for faculty awards and $1500 each for graduate student awards.

Funds may be used for summer salary, research assistants, materials support, computer time or any other relevant research need. Applicants should submit a CV and a two-page (maximum) proposal that includes a project description budget, time frame and any other relevant information. Project proposals will be screened by a review committee, and awards will be announced on December 1, 1986 with funding available shortly thereafter.

The deadline for receipt of applications is November 1, 1986; completed applications (original plus three copies) should be sent to Amy Shargel, Literacy Research Center, Room D-5, Graduate School of Education. For additional information, call Ext. 6940.

Correction: The title of the speech being given by former provost Vartan Gregorian on October 8 has been changed to Lifelong Education in the Liberal Arts. He will speak in Harrison Auditorium, University Museum at 8 p.m. Admission is free. Call Ext. 6940 for reservations.

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A-3 Assembly

The A-3 Assembly Coordinating Committee has prepared the following survey in order to furnish information, through our representatives, to the Administration directly as well as to the University Senate Council on Safety and Security. Any member of the University is welcome to participate in the survey. Signature is optional, but please do indicate, in the space provided, your affiliation with the University.

—Gloria De Luca

Spokespersons, A-3 Assembly

—Russell Muth

Survey on Safety and Security

Please return to R.A. Muth, Room 429, Johnson Pavilion 4283

1. Are you concerned, do you have anxiety about personal safety and or your security on the Penn campus?
   YES NO

2. Do you have confidence in the University Department of Public Safety?
   YES NO

3. Does the University have enough safety officers?
   YES NO

4. Are you satisfied with Public Safety Office leadership?
   YES NO

5. Do you feel a volunteer "Town Watch" type of program would be appropriate helpful on campus?
   YES NO

6. Do you feel the Public Safety Office responds quickly enough to calls for help?
   YES NO

7. Have there been incidents in your work area in the past month?
   A. How many incidents? _____________
   B. What type incident(s)? _____________
   C. Did the Public Safety Office respond appropriately? YES NO
   D. Did the Officers confer with you in a professional and courteous manner?
   YES NO

8. Are you concerned about the presence of "street people" on the campus?
   YES NO

9. Are bicycles or motorcycles a problem on the campus?
   YES NO

10. Comments (Please include any suggestions for improving safety. If space is insufficient, please attach sheets.) _____________


Optional Information: Name ___________________ Campus Address ___________________
CHILDREN'S ACTIVITIES

Class of '23 Ice Rink
13 Figure Skating Clinic including seven one hour sessions over a period of seven weeks; $45.00, for ages 5-15.
18 Youth Hockey Program for a seven week term, 8:45-9:45 a.m. each Saturday; $45.00.

Recreation Department
Children's classes in swimming, fencing and gymnastics will be held in Gimbel Gymnasium Saturday mornings beginning on November 1. Registration is on a first come, first serve basis and closes October 27. For information call Ext. 6101.

13 Il Vangelo Secondo Matteo (The Gospel According to Matthew), an Italian film (in Italian) by Pier Paolo Pasolini followed by a talk by Carla Locatelli, Romance language department; 8:30 p.m., Modern Languages College House (Italian Studies Center).

Department of Public Safety Crime Report—Week of Sunday, September 29
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 areas where the highest amount of crime has occurred with a listing of those crimes.

**Total Crime**

*Crimes Against the Person—1, Burglary—4, Theft—25, Theft of Auto—0, Criminal Mischief—4, Trespass—0*

*10-02-86 7:01 PM Lot #45 Complainant robbed at knifepoint. No injury. 2 apprehensions made.

**Area/Height Frequency of Crime**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time Reported</th>
<th>Location</th>
<th>Incident</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-29-86</td>
<td>11:34 AM</td>
<td>Nursing Ed. Bldg.</td>
<td>Library card and change taken from desk.</td>
</tr>
<tr>
<td>9-29-86</td>
<td>11:48 AM</td>
<td>Leidy Lab</td>
<td>Wallet taken from occupied office.</td>
</tr>
<tr>
<td>9-30-86</td>
<td>3:00 PM</td>
<td>Blockley Hall</td>
<td>Desk drawer opened. Wallet taken.</td>
</tr>
<tr>
<td>9-30-86</td>
<td>11:18 AM</td>
<td>Leidy Lab</td>
<td>Wallet taken from unattended jacket in unsecured room.</td>
</tr>
<tr>
<td>10-03-86</td>
<td>4:37 PM</td>
<td>Nursing Ed. Bldg.</td>
<td>Wallet taken from unattended jacket in unsecured room.</td>
</tr>
<tr>
<td>10-03-86</td>
<td>4:59 PM</td>
<td>Hamilton Walk</td>
<td>Secured bike taken from rack.</td>
</tr>
<tr>
<td>10-03-86</td>
<td>6:51 PM</td>
<td>Johnson Pavilion</td>
<td>Knapsack taken from unlocked room.</td>
</tr>
</tbody>
</table>

**MUSIC**

10 Manolete: Flamenco in Concert; 8 p.m., Harrison Auditorium, University Museum; for ticket information call 735-7659 or 567-2972 (Department of Romance Languages).

**SPECIAL EVENTS**

12 Family Day at New Bolton Center: the day's activities include a prize for the best picnic lunch, games for children, a tour of Allam House, rides in the surrey with the fringe on top, a tour of the Veterinary Hospital and a display of the Goldman collection of carriages. Lunch can be cooked on the grill provided by the General Alumni Society. Activities begin at noon at the New Bolton Center; for a map and other information contact Alumni Relations at Ext. 7811 (General Alumni Society).

**'Starwars'**

4 p.m., Auditorium B-1, Meyerson Hall, sponsored by the President's Office.

14 Defense Against Attack vs. Deterrence of Attack: a debate between Lt. General James A. Abrahamson, director of the Strategic Defense Initiative Organization and Professor Sidney Drell, deputy director of Stanford Linear Accelerator Center; moderator is Sheldon Hackney.

**FILMS**

13 *Il Vangelo Secondo Matteo* (The Gospel According to Matthew), a Spanish film (in Italian) by Pier Paolo Pasolini followed by a talk by Carla Locatelli, Romance language department; 8:30 p.m., Modern Languages College House (Italian Studies Center).

**TALKS**

7 Copy Number Polymorphism at DYZ1 (the Human Y-Chromosome Alphoid Repeat) Revealed by Field Inversion Gel Electrophoresis; Jonathan Wolfe, Galton Laboratories, University College, London; 11 a.m., Wistar Auditorium (Wistar Institute).

8 Structure/Function Analysis of Receptors with Tyrosine Kinase Activity; Axel Ulrich, Genentech, San Francisco; 2 p.m., Wistar Auditorium (Wistar Institute).

10 Intracellular Markers of Hepadnavirus Replication; Eric Gowans, molecular virology and immunology, Georgetown University; 2 p.m., Wistar Auditorium (Wistar Institute).

13 The Split Between Embryology and Genetics 1903-1913; Adrian L. Smith, University of Sussex, England; 3 p.m., Room C-34, Graduate School of Education (Department of Sociology).

15 Literacy Practices and Literacy Myths; Brian Street, University of Sussex, England; noon-1 p.m., Room C-34, Graduate School of Education (Literacy Research Center, GSE).

18 Opiate Receptors in the Small Bowel; Margaret Khouri, both research fellows, gastrointestinal section; 2:30-3:30 p.m., Hope Auditorium, 2nd floor, CHOP (Gastrointestinal Section of the Department of Medicine).

**ALMANAC**

ALMANAC October 7, 1986