

# Almanac

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- *Stalking the Wild Bike Rack*
- DEATHS • *Guaranteed Mortgage Program*
- *Personnel Job Boards* • *Telephone Update*
- THINGS TO DO

## Breakthrough on Rabies

For the first time in the history of rabies a new vaccine, developed at the Wistar Institute, has been found 100% effective in prevention of rabies for human beings bitten by animals confirmed as rabid.

Dr. Hilary Koprowski and three of his colleagues reported Thursday the results of 1975 clinical tests in Iran where 45 out of 45 severely bitten patients recovered, some after suffering head and neck wounds which produce the highest fatality rate. They also described earlier U.S. tests with animals and with human volunteers, which established that the new vaccine produced rabies antibodies in 100% of those injected with the Wistar vaccine—and with virtually none of the side effects connected with earlier vaccines.

The Wistar vaccine, now licensed for manufacture in France, Germany, Sweden and Iran, and in limited production by Wyeth in the U.S., is undergoing final evaluation by federal agencies for use here. Equating production of antibodies with protection against rabies, the scientists said "the test data are so good" that by 1977 the vaccine should be available—primarily in the developed countries, however, because of sophisticated techniques required to make it.

It is expected to be used both for post-exposure treatment and for inoculation before exposure—especially in countries where rabies incidence is high, and elsewhere among veterinarians, cave explorers and others likely to encounter infected skunks, bats, foxes and dogs, and even cattle, raccoons and cats which sometimes transmit rabies.

Dr. Koprowski, director of the Wistar Institute and professor of research medicine at Penn, was joined by Drs. Tadeusz Wiktor and Stanley Plotkin of his Wistar research team and by Dr. M. Bahmanyar of Teheran's Pasteur Institute in describing the development and testing of the vaccine.

The basic breakthrough was the use of human diploid cells to produce the vaccine. Since Pasteur's initial development of a rabies vaccine in 1885, the materials used have been animal tissue and, more recently in the U.S., duck embryo cells.

All treatment has been based on the Pasteur technique, with its lengthy series of painful abdominal injections—14 to 21 shots, producing in some patients paralytic side effects and even death. A death rate of over 40 percent has continued in those cases where the attacking animal was confirmed as rabid.

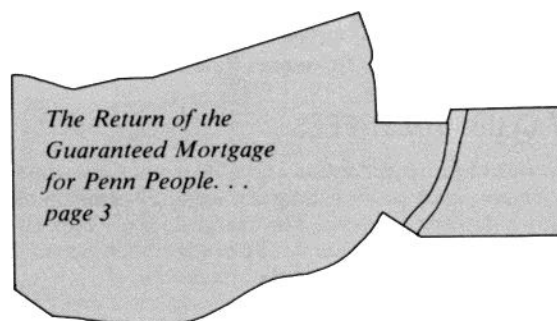
During one phase of development, a combination of serum and vaccine, still based on animal materials, was tried. It produced a higher protection rate but increased side effects, Dr. Plotkin said.

The Wistar vaccine involves only three to six upper-arm injections—subcutaneously in the U.S. tests but intramuscularly in the Iranian ones, where vaccine produced by the Merieux Institut of France was used.

The first tests that established the effectiveness of the Wistar vaccine in producing rabies antibodies in humans began in November, 1971, when Dr. Koprowski, Dr. Wiktor and fourteen other members of the Institute injected themselves. Later they administered the vaccine to some 2000 volunteers including veterinary students from twelve cooperating institutions in the U.S.

## MEDICAL COVERAGE FOR POSTDOCS

Effective August 1, postdoctoral trainees with six months' service are eligible for University group coverage in the Blue Cross, Blue Shield and Major Medical program. For those in the School of Medicine, and those in other schools whose training grants provide a specific allowance for such benefits, the coverage is University-paid. Details are available from James J. Keller, associate director of personnel relations.



## HONORARY DEGREES: FOUR IN SCIENCE

The University awarded four honorary doctor of science degrees to prominent scientists in physiology and biophysics at a bicentennial convocation on August 16. The recipients were:

Dr. Hugh Esmor Huxley, a fellow of Churchill College at Cambridge, who has investigated the structural basis of muscular contraction and movement within cells;

Dr. Vernon B. Mountcastle, Jr., professor and director of the physiology department at the Johns Hopkins University School of Medicine, who has studied the coding of nerve impulses and the behavior stimulated by them;

Dr. Curt P. Richter, emeritus professor of psychobiology and psychiatry at the Johns Hopkins University School of Medicine, a researcher of the cyclic patterns of behavior in animals;

Dr. Walter A. Rosenblith, Provost and Institute Professor of communications biophysics in the Department of Electrical Engineering and Computer Science at the Massachusetts Institute of Technology, a contributor to the application of mathematics and statistics to the study of human neural activity;

Dr. Rosenblith was the principal speaker at the convocation, which was held in conjunction with the annual meeting of the American Physiological Society.

## FOR THE HANDICAPPED: A LIFT AND A SURVEY

A special lift has been installed in the swimming pool at Weightman Hall to enable handicapped members of the University and community to swim there. The installation is part of a new public recreational/therapeutic program being carried out in cooperation with the Piersol Rehabilitation Center, with

Pennsylvania Bureau of Vocational Rehabilitation Funding. Those interested in the Weightman program may call Recreation Director Ronald Bond (Ext. 8331) or Women's Athletics Director Connie Van Housen (7438) for details.

Separately, the University's Affirmative Action Program to Employ the Handicapped is conducting a faculty/staff survey asking people to list their physical constraints and the types of assistance they have found necessary at Penn. A one-page questionnaire has been mailed out by AAPEH's Principal Officer Harold Taubin, who stresses that the survey is voluntary and the returns confidential as specified in the federal regulations that underlie the survey. Anyone who did not receive a questionnaire, or has questions about it, may call Mr. Taubin at Ext. 5831.

## SHIFT IN PERSONNEL INFO SERVICES

The Department of Personnel Information Services has been temporarily reassigned by Senior Vice-President Paul O. Gaddis, placing payroll, personnel records, personnel benefits and their systems support under Richard T. Paumen, assistant vice-president for University Management Information Systems. The section is now called the Department of Payroll/Budget/Personnel Operations.

Policy matters pertaining to payroll and to personnel continue to be determined through the Office of the Comptroller and Office of the Executive Director of Personnel Relations.

## FACULTY CLUB: GUEST FEES

As authorized by a recent action of the Board of Governors, the Faculty Club last week instituted a guest fee of 50 cents on meals in the dining room and cafeteria. The charge does not apply to the checks of those in the immediate family of a member, nor to those of members who are the guests of other members.

The new policy stems from questions raised almost every year at the open membership meeting, Board President Gerald L. Robinson said. "Dues-paying members have argued, quite correctly, that their membership fees subsidize the meal costs of nonmembers. The chief complaint has been about the extensive use of the Club by colleagues who are eligible for membership but who consistently come as guests instead. Although we have received the extreme proposal that all guest privileges be discontinued, the Board believes that most members prefer a Club in which personal guests and off-campus colleagues are welcome. The fairest solution seemed to be to attach the cost where the cost is incurred—on a per-guest basis—in an effort to hold down across-the-board increases in dues or meal prices."

He advised that members who often bring the same guest or guests from neighboring institutions take a look at recent changes in eligibility. Alumni, colleagues in affiliated hospitals and centers, and many others are now eligible for associate membership on the recommendation of a member, he explained.

"We are by no means trying to discourage hospitality at the Club, but we do encourage the consistent guest to join in full membership," Mr. Robinson said.

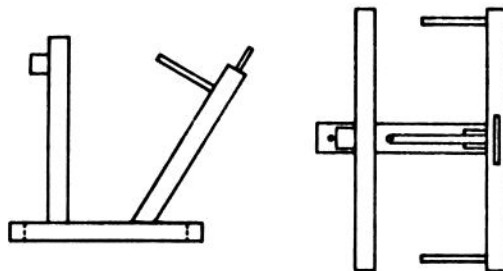
## UNIVERSITY CITY MAP FLAP

In response to a number of requests for information about the new University City map which has been distributed recently by local merchants and on the campus, Operational Services Vice-President Fred A. Shabel explains that the map was produced by the West Philadelphia Corporation as a community project, *not* by the University of Pennsylvania.

The map was not intended to be used as an official map of the campus, and contains a number of inaccuracies and omissions, he said. Milton Karabell, Executive Director of the West Philadelphia Corporation, pointed out that the map is intended primarily as a pedestrian map, and thus emphasis is placed on

certain prominent buildings which can help serve as identifying landmarks.

Mr. Shabel notes also that the University has recently revised and updated its "official" map. Large-scale replicas of this map printed in red, blue and black are prominently displayed at key locations around the campus. A smaller version of the official map is being incorporated into a general informational brochure currently being prepared by the Publications Office. It is expected to be ready for distribution in mid-October.



## STALKING THE WILD BIKE RACK

All the way back in March, before Rack III was installed, a highly placed University source told *Almanac* "this bicycle rack seems to be preferred by students." No doubt because it would take several power tools and a bulldozer to steal a bike from the rack in front of Logan Hall. These racks are to bike locks what bomb shelters are to private homes—the ultimate security.

Rack III won out over some stiff competition. For example, "the Rally rack is good," observed a lower placed source, "but it doesn't inspire terror; it's sort of what people in the business call pre-Jaws, before everyone figured out that the threat of mangling was great promotion."

A hot tip from a low placed source indicated that the advertising campaigns are competitive, too. Rally claims "We've never lost a bike." Rack III allegedly turned down the following jingle:

First you pull your prongs up toward the light,  
You roll along some wheels and then you clamp 'em tight,  
Finish with a lock and then you've done it right,  
That's what we call Bike in the Rack.

The rack is almost as hard to describe as to get a bike into. It consists of one T-shaped metal tubular construction perpendicular to the base, which is embedded in the ground, and similar T-shaped construction, only this one rests at about a 60-degree angle to the ground. The whole rack is about two feet high. The top T-bars are parallel. Three prongs extend from the second T, so that when both Ts are perpendicular to the base the prongs are parallel to the ground. The middle prong is longer, with a hole in the end. With a bike in the bight, the prongs fit through both wheels and the frame, the middle prong disappearing into a smudge-pot like thing on the far side of the first T, which houses a padlock (bring your own), protecting it from saws, files, and beavers. It is not true that the College of Engineering and Applied Science lists the bike rack as a required field of study.

An unplaced University source has speculated that "the designer of this thing may be secretly fascinated by tools of impalement used in the middle ages."

During *Almanac's* visit to the rack, student Robert Helfman came out of Logan Hall, took his Raleigh out of the rack, and rode off smartly.

A little later, he came back. Getting the Raleigh back into the rack proved to be harder than getting it out. "It took me a long time this morning," he admitted. "It's easy for your bike to get mangled, especially if you get frustrated. This thing really chews up pedals, and it's bad for spokes and rims."

Helfman finally got the bike settled in, after turning it around once. With an almost uncuttable Kryptonite lock securing the frame to the rack, and a padlock in the smudge pot, and a built-in lock on the front fork, "this bike will not be moved," he observed. But, he moaned, "now I don't have any time for lunch."

—D.W.

## DEATHS

*Dr. William E. Arnold* (July 30 at 77), emeritus professor of education and former dean of the Graduate School of Education who served on the Penn faculty from 1935 until 1969. In 1966, the alumni of the Graduate School of Education gave him their national award of distinction. Co-founder of the National Association of Professors of Educational Administration, he served as a consultant to several public school systems in the mid-Atlantic states.

*Doris J. Bush* (August 7 at 66), a technical assistant and later research assistant in the biology department who joined the University in 1967.

*Theodore Chupp* (June 30 at 54), an embalmer in the anatomy department since 1962.

*Winifred D. Corsack* (July 29 at 66), a night cleaner who retired in 1975 after 24 years at the Department of Physical Plant.

*James M. Cuozzo* (August 15 at 61), business administrator in the obstetrics and gynecology department since 1968. He had served as business administrator for the Institute for Cooperative Research from 1963 to 1968.

*Jose de Aguiar* (July 22 at 74), retired director of publications. He served as production supervisor in the printing and duplicating department from 1956 until he became director of publications there in 1959. He retired in 1967.

*Mary M. Duda* (August 7 at 66), retired cleaner in the buildings and grounds department. She came to the University in 1956 and retired in 1972.

*Joseph M. Fine* (May, 1976, at 23), a sophomore in the Wharton School.

*Archibald Jacobs* (June 11 at 76), former helper in the physical plant department. He retired in 1965 after 19 years with the University.

*Dr. Roland L. Kramer* (June 22 at 78), emeritus professor of international commerce at the Wharton School. He received his bachelor's, master's, and Ph.D. degrees from Penn, and taught here from 1919 to 1968. Secretary of the World Trade Association (formerly the Foreign Trade Association) for 30 years, he had also been co-founder and honorary director of the American Society of International Executives. In 1966, he received the annual award of the World Trade Association.

*Dr. George M. Laws* (April 22 at 94), former associate in gynecology at the medical school who served on the staff of Graduate Hospital, 1906 to 1908, and later became chief surgeon of the gynecology department at Presbyterian. His son, Dr. G. Malcolm Laws, Jr., is a professor of English at Penn.

*James Nash* (July 20 at 56), an animal technician in the School of Veterinary Medicine since 1950. He had recently been placed on long-term disability.

*Garry J. Osher* (May 26 at 20), a sophomore in the Faculty of Arts and Sciences.

*Nellie Pabian* (July 12 at 75), a former cleaner in the buildings and grounds department. She retired in 1958 after 30 years with the department.

*Jacob Rayfield* (August 1 at 61), a custodian in the physical plant department since 1954.

*Dr. Edmund B. Spaeth* (August 18 at 86), emeritus professor and former chairman of the Department of Ophthalmology. He taught at the University from 1920 to 1955, and also served as a consultant to the Philadelphia Naval Hospital, Wills Eye Hospital, and Graduate Hospital. A founder of the American Board of Plastic Surgery, he wrote *Ophthalmic Plastic Surgery*, the first major book on the subject, in 1927. He received the Ophthalmology Medal of the University of Buffalo and, in 1972, the Fight for Sight Citation.

*Harry Sternfeld* (July 23 at 75), emeritus professor of architecture. He taught at the University from 1923 to 1959.

## Guaranteed Mortgage Program

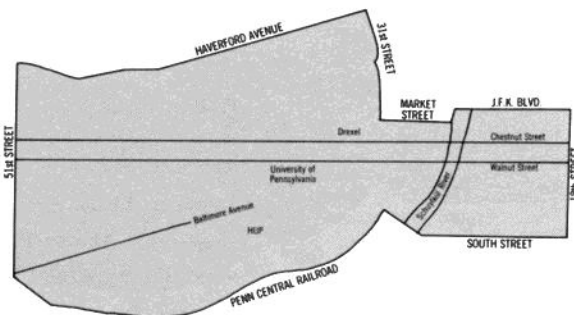
The University of Pennsylvania has resumed its Personnel Guaranteed Mortgage Program effective August 1, 1976, with the Philadelphia Savings Fund Society.

The program applies only to residential properties located in certain areas of West Philadelphia and Center City as shown on the map in the Treasurer's Office, seen in outline below. In general, the area is bounded on the East by 18th Street and on the West by 51st Street. Mortgages will be granted in an amount not to exceed the appraised value of the property for a term not to exceed twenty-five (25) years with interest at competitive rates.

Fully-affiliated and fully-salaried members of the academic staff in the rank of Assistant Professor and above and full-time statutory and senior administrative officers are eligible to participate in this program upon appointment. All other fully-affiliated and fully-salaried academic staff members, administrative and professional personnel and any full-time wage and salaried employees over twenty-five (25) years of age are eligible to participate upon completion of three years of service from their employment date.

Applications, instructions and procedures are available in the Treasurer's Office, Room 427, Franklin Building.

—Gerald L. Robinson,  
Executive Director of Personnel Relations



## PERSONNEL JOB BOARDS

*Almanac* will resume weekly listing of job openings in the September 14 issue. In the meantime, jobs are posted on bulletin boards outside the personnel office at 130 Franklin Building and at the locations listed below.

Applicants should contact Personnel Services, Ext. 7285, for an interview appointment. Inquiries by present University employees are treated confidentially. Qualified candidates who have completed at least six months of service in their current positions will be given consideration for promotion to open positions. The University of Pennsylvania is an equal opportunity employer.

Where qualifications for a position are described in terms of formal education or training, significant experience in the field may be substituted.

### Bulletin board locations:

- College Hall, first floor next to room 116
- Franklin Building, next to room 130
- Towne School, mezzanine lobby
- Veterinary School, first floor next to directory
- Leidy Labs, first floor next to room 102
- Anatomy-Chemistry Building, near room 358
- Rittenhouse Labs, east staircase, second floor
- LRSM, first floor opposite elevator
- Johnson Pavilion, first floor next to directory
- Logan Hall, first floor near room 117
- Social Work, first floor
- Richards Building, first floor near mailroom
- Law School, room 28 basement



## CHANGES AND ADDITIONS TO 1976 TELEPHONE DIRECTORY

While awaiting the 1976-77 edition of the Faculty and Staff Telephone Directory, users may want to clip this update and insert it in the 1975-76 edition. (For those who did not get the early spring Supplement to the Directory, copies are still available from Mrs. Ruth Iskoe, Ext. 8664.)

Carroll, Thomas J.....	7560	Research Spec, EE, 305 Moore / D2
Chang, Mark S, Dr .....	5883	Asst Prof EE, 308 Moore/ D2
Choma, John, Jr, Dr .....	6517	Assoc Prof EE, 308 Moore/ D2
Dunn, Lorraine, Mrs .....	6823	Sec EE, 305 Moore/ D2
Ehrenreich, Henry, Dr .....	8652	Vis Prof Physics, 2N9b DRL/ E1
Frangipane, Leo G, Jr, Dr .....	227-4000	Postdoc Fel Harr Surg, HUP/ G1
Green, Paul E, Dr .....	7777	Prof Mktg, W-252 DH/ CC
Harris, Theresa, Mrs .....	8541	Sec EE, 308 Moore/ D2
Harrison, Francis G, Jr, Dr .....	662-8000	Asst C1 Prof Urol, PUPMC
Ihrke, Peter, Dr .....	8861	Instr Dermatology, 245E Vet/ H1
Johnson, Joan .....	227-3223	Nurse, Immunotherapy Lab, Harr Surg, 502E Gates/ G1
Martin, Samuel P, Dr .....	5611	Exec Dir L Davis Inst, Dir C1 Scholars Prog, Prog Comm Med, Med & Health Care Sys, 210 CPC/ CE
Milmoe, Gregory J, Dr .....	227-4000	Asst Instr Surg, HUP/ G1
Moskovitz, Anne, Mrs .....	227-3223	Res Spec, Immunotherapy Lab, Harr Surg, 502E Gates/ G1
Pastore, Dorothy .....	6911	Sec to Dir, Study of Emerg Health Serv, 4219 Chester/ S3
Robinson, Thomas F, Dr .....	7017	Res Asse Physiol, C-301 Rich/ G4
Taliaferro, Linda, Mrs .....	8690	Sec EE, 305, Moore/ D2
Tamburrino, Marian T .....	6861/ 8590	Sec Health Care Syst, 204 CPC/ CE
Vogel, F Lincoln, Dr .....	8386	Res Prof EE, 325 Moore/ D2
Winokur, Denise F, Mrs .....	4750	Instr Health Care Syst & Comm Med, 203 CPC/ CE
Woldow, Renee, Mrs .....	8119	Bus Adm EE, 308 Moore/ D2
Zelten, Robert A, Dr .....	7770	Asse Prof Ins, Act Dir Health Care Syst, 303 CPC/ CE

## THINGS TO DO

### VERSE

In The Rare Books Room  
Of the Van Pelt Library

Henry Braun, associate professor of English at Temple  
and author of *The Vergil Woods*,  
Patience Merriman,

Rhoda Schwartz of the *American Poetry Review*,  
On Thursday, September 23, at 8:30 p.m.  
Read poems.

*Outloud.*

Daniel Hoffman, English professor at the University of Pennsylvania  
presides over *Philadelphia OUTLOUD*, and the Institute of Contemporary Art sponsors it. Cost: \$1.

October 10, is the Latvian Youth Program of dances, songs, and kokles (that's a musical instrument); September 18, 8 p.m., Harrison Auditorium.

*Palladio in America*, a bicentennial gift from the Italian government, begins September 14 at the First National Bank of the United States, 120 South Third Street. Fourteen wooden miniatures of buildings designed by Andrea Palladio, whose symmetrical facades, free-standing porticos, and arched windows are his architectural legacy, will be on display. The University of Pennsylvania architecture department is host to the display and the National Park Service provided display space.

*Plant programs* at the Morris Arboretum start again in September with a plant clinic at 10 a.m. September 18; courses on home landscape design and house plant propagation beginning September 23 and 24 respectively; and workshops beginning September 30 with one on pressed plant designs. Costs range from \$2.50 through \$10 to \$25, depending on whether one is a member and what type of program is taken. Phone CH7-5777 for information.

ALMANAC: 515 Franklin Building (16) Ext. 5274

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Assistant Editor .....Duncan Williams

Distribution .....Karen A. Graves

### MIXED BAG

*Chinatown* and *Play it Again, Sam* are the PUC films on September 10 and 15 respectively; 7:30 p.m. in Irvine Auditorium; \$1.

*Let's get it on* with an exhibit of Latvian folk costumes, arts, and crafts in the Sharpe, Mosaic, and Changing Galleries of the University Museum beginning September 11. A highlight of the display, which runs until