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Faculty, OS Staff Cooperate On Landscape Plan

A "gratifying sense of cooperation and team work" is reported between the Department of Facilities Development and the Department of Landscape Architecture as the two groups continue their work on a campus Master Plan of Landscaping.

The development of the master plan, intended to improve landscaping throughout the campus, is "exciting, because it is one of those occasions when administration and faculty are working together to tackle a problem of mutual interest," according to Titus Hewryk of

The Landscape Master Plan is now in the final phase of analysing existing conditions, after which a design team of faculty from the Department of Landscape Architecture will begin to put together a comprehensive plan for the University's outdoor space.

Heading the team of faculty is Dr. Peter Sheppard, Dean of the Graduate School of Fine Arts, who is assisted by Assistant Professor of Landscape Architecture Robert Hanna, and Assistant Professor of Landscape Architecture Laurie Olin.

The work is being partially funded by

money generated through the Campaign for the Eighties, and early plans call for the final master plan by December of this year.

"Landscaping on campus is unfinished," Hewryk said, "And we feel that the new master plan is a very important part of the University's future. Our outdoor space is an opportunity for us to make a positive impression on campus visitors."

The Department of Facilities Development has acted as an information resource for the faculty design team, and has helped coordinate planning efforts with various departments and offices on campus which will be affected by the program.

Hewryk said that the University has never had a design for a campus landscaping master plan for two reasons: there has not been money for the development of a plan, and there has been a major concern for construction, not necessarily landscaping. "Now we must work with what we have, and try to improve it," he said.

The plan will include an inventory of existing landscaping, and the development of plants, trees, and pedestrian trafficways.

Campus Aerial Survey Pays Off In Reduced Energy Expenditures

The aerial energy survey conducted by the Energy Office, and reported in *ServiceLine* last spring, has begun to pay off in real energy savings for the University, according to Francine McQuade of the Energy Office.

The infra-red aerial survey was conducted on March 23 and produced a series of photographs which indicate the temperatures of objects and areas scanned by a recording device in a small airplane. These pictures are now being studied by the Energy Office, and some areas of steam leakage have been noted already and repaired, resulting in savings which are expected to pay back the cost of repairs within a short period of time.

One severe "hot-spot" was noted in a steam line near Weightman Hall, which was then dug up and repaired, and McQuade said the savings in energy losses will more than make up for the expense involved in correcting the problem.

"We estimate that as much as 10% of the University's total steam consumption is actually lost through poorly insulated lines, broken lines or other leaks, and it is this sort of inefficiency which the survey is helping us eliminate in these early stages of evaluation," McQuade said.

It is also expected that considerable savings can be realized through an analysis of the insulating efficiency of the roofs of campus buildings. The aerial photographs indicate specific areas on buildings which are not well insulated, and which can then be corrected to further increase energy savings.

Computer Checks Energy Use, Regulation Helps Save Money

The heating and cooling mechanisms of 39 major University buildings will soon be regulated by a new computerized checking system, the JC80 Control Center, according to Donald McAleer, Director of Physical Plant.

The system, which is designed to reduce electricity "demand" and to more efficiently maintain individual machines in those buildings, employs a mini-computer, teletype machine, metering equipment, cathode ray tubes, and an oral communications unit. The center is located on the second floor of the Franklin Building.

Meters in the Control Center monitor the actual power demand of four power substations around the University and relay that information into the computer. The computer then sets anticipated demand schedules and enforces power limits on the 39 buildings. These limits will not affect the people in these buildings, but will result in considerable energy savings.

Students Move In Successfully With Help From OS Personnel

Move-in day for students was a huge success this year, in part due to the efforts of Operational Service personnel, children and friends.

On the first day of two days of Move-In, Sept. 5, over 1,200 carloads of furniture, books, bicycles, typewriters, beds and other student belongings were unloaded and moved-in in the relatively short space of 8 hours.

The longest any family had to wait for move-in help was 30 minutes, according to Arthur F. Hirsch, Assistant to the Vice President for Operational Services, and one of the organizers of the move-in operation.

Hirsch said that 94 employee children and friends helped with the move-in, which also helped cut down on the theft and damage which sometimes occurs during move-in. This year, according to Hirsch, only two or three items were lost.

The move-in workers wore Operational Services T-shirts to help make them recognizable, and they developed an organized move-in process at the Quad, the Hi-Rises and Hill Hall. When a car arrived at a dorm it would be met by a squad of workers, who helped unload the car onto an electric cart. The cart would then be driven to the specific area of the student's room, where it would be met by another Operational Services crew, who unloaded the cart and took the student's belongings to the dorm room.

(Move-in—Continued on Page 3)



New campus maps were placed at nine locations this semester by the Department of Facilities Development. Copies are available for purchase from the office.

(JC80—Continued on Page 2)

College Hall, Logan Hall Obsolete, Razing Asked

Both College and Logan Hall are "of an obsolete type of construction and are in the process of disintegration" and ought to be replaced, states a development report to the University Board of Trustees.

Habitues of the two campus landmarks needn't rush to pack their things, however. Action has not been taken on the recommendation, which was received in June of 1913.

Other proposals still gathering dust from the 63-year old report are the relocation of Franklin Field (to Woodlands Cemetery), the construction of a 100-foot wide mall from the statue of Benjamin Franklin straight out to Chestnut St., and the preservation of the Law School tennis courts (remember them?).

If the report, which called for a radical redesign and expansion of the then 40-year-old West Philadelphia campus had been acted upon, University students and employees would spend their days in and out of a series of inward facing courts intended to shut out such annoying reminders of

urban life as noise, traffic, and dust.

The turn-of-the-century planners envisioned a campus the focus of which would be the north-south corridor of the proposed mall. Little development was anticipated west of 37th St., but recommendations were made for a new concentration of buildings along the Schuylkill riverfront.

One particularly intriguing proposal was for the relocation of Franklin Field to make room for a quadrangle of academic and residential buildings. To facilitate this area, Locust Walk would have been extended as far eastward as 32nd St.

At the time of the report, average annual enrollment at Penn was 3,600 students, on a campus of 130 acres. Today's enrollment is about 20,000 on nearly 300 acres.

Nonetheless, the report points up that the University of 1913 is not so different than that of 1976.

The authors complain that, "The present environment of noise, dust and smoke, intrusion of distracting sights and sounds, congestion of space and confusion of arrangement . . . require(s) immediate, heroic and continuous measures if the University is to escape irretrievable harm. . ."

Some things never change.

Campus' Copying Improved, Savings Seen In Bulk Purchases

The University's Copying and Duplicating Committee, established last year to help coordinate copying and duplicating equipment and service, is now fully operational and early reports indicate substantial financial savings.

The Committee systematically reviews the copying and duplicating needs of various departments and schools within the University, and—using the Publications Office as purchasing agent and administrative center—is able to negotiate bulk-rate paper contracts and equipment purchases which offer substantial savings over the individualized contracts and rental agreements of the past.

By purchasing copy paper in bulk, for example, the University is saving \$.23 per ream of paper and is getting a better quality paper than in the past. Over a year, this will mean over \$36,000 in savings which will accrue to the various user departments within the University.

A review of copying and duplicating needs at the School of Veterinary Medicine resulted in annual, estimated savings of close to \$10,000, to cite another example. Some of these savings were possible because of the purchase of copy equipment, rather than a rental of the equipment, which was common in the past. Generally, the Committee has established the procedure of purchasing copying equipment with a service contract included, and has found this to be an economical way of handling some of the University's large volume copying needs.

Similar savings have been reported in other areas, including over \$4,000 projected savings in Houston Hall over a year's time, and nearly \$5,000 in savings anticipated at the School of Social Work. Both of these savings came through equipment purchase and the lower price on paper bought in bulk.

Have A Bike On Campus? Protect It With Registration

You have just spent two hundred dollars on your new ten-speed bicycle, you plan on using it around campus, and you want to keep it for more than a week. What do you do?

Go to the University Security Office, at 37th and Spruce Streets, between 10 a.m. and 10 p.m. and an officer will engrave your social security number onto your bicycle's frame and rims. The officer will also put a University identification decal on the bicycle and make up identification cards for both you and the Security Office.

In the event of the theft of your bicycle, it will now be possible for the Philadelphia Police and University officers to identify and return it to you. Two bicycles were recently returned to University owners, after Philadelphia Police stopped two teenagers in the 18th precinct and noticed University decals on the frames of the bicycles that the teenagers rode. The two were arrested.

"The theft of bicycles is becoming a major problem in Philadelphia," according to University Supervisor of Detectives, Harold McGrath.

"This identification system is working very well, though, and we hope that more people will take advantage of it," he said.

During the past summer, McGrath had work-study students place notices on unlocked bicycles around the University, notifying the owners of the theft problem and the unguarded state of their bicycle. McGrath said that this program worked very well and that he hopes to begin it again as soon as possible. He added that the Philadelphia Police plan on conducting bicycle safety and protection seminars at Philadelphia colleges and universities, including Penn, in the near future.

Dining Services Show Increase, Innovations Expected This Year

A year of improvements, top quality and continuing sensitivity to the needs of students is expected at the University's Dining Services, and Director Donald Jacobs, reports an upturn in the number of dining contracts sold for this year.

"We have the students now," Jacobs said, "But we are going to have to continue to do a quality job to retain them."

"We think we have one of the best college dining services in the United States, and we have a good reputation among students that we are going to have to work to maintain."

Last year saw a number of improvements in the dining halls, including make-your-own ice cream sundaes, a vegetarian menu, the introduction of complete salad bars and—now—the cooking of vegetables with very little water, which retains vitamins and "makes them crunchy."

Jacobs also relies heavily on surveys done with students, and uses the results to eliminate items people do not like, and to introduce items in high demand.

"We're going out there every day to give our patrons a quality meal, and I think it's working," Jacobs said.

OPERATIONAL SERVICES

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JC80—Continued from Page 1

Monitoring of the buildings' machines is shown in schematic diagrams, while the status of the buildings' machines is indicated in statistical printouts on the teletype machine. The Center also maintains oral contact with workers in each of the 39 buildings.

The JC80 will replace manual inspection of these machines with its own automatic monitoring, but will not cut down on manpower. Workmen, who would be sent regularly to each of these buildings to inspect the machines, will now concentrate their efforts on repair work.

More duties may be added to the JC80, which was installed by the Johnson Control Company.

"There is no limit to the expanse of this thing," said McAleer. There are plans to integrate air handling units and a fire alarm system into the Center.



This infra-red aerial photograph was produced by the University's Energy Office in an effort to locate "hot-spots" on campus, due to leaks in steam lines or poorly insulated roofs. The photographs, of which this is only one of a series, are being analyzed and some work has been done already to correct poorly insulated steam lines, which show up in these photographs as bright white spots. See story on page 1.

Hi-Rise Lounges Sporting New Decorator Look

Superblock's Hi-Rise Lounges are sporting a new look this fall as a result of some innovative decoration by Maurice S. Burrison, the University's interior design coordinator.

The renovation was undertaken this summer in order to correct the "state of shabbiness" the lounges had acquired in the five years since the Hi-Rises were opened for undergraduate housing.

The lounges are key areas, Burrison said, since they provide "the most breath-taking view of the campus and the city that the University has to offer." Another impetus for the work was "a reassessment of the potential use for the lounges" and hopefully, as a result of renovations, "increased usage by students."

New furnishings, carpeting and drapes were installed in each of the three lounges. In Harrison House the lounge was completed using a blue theme; in Hi-Rise North a red-orange theme; and in Harnwell House a polychrome theme.

The modular furniture, including chairs, sofas, and formica-top tables, were designed

by Burrison to suit the uses of the lounges and to offer durability. The sitting pieces are upholstered in a coarse weave fabric for longer wear and the furniture is designed to be orthopedically suitable for the student who spends hours in the lounge studying.

"The colors were a challenge," Burrison said, "to provide a distinctive character to each room" although the same furniture plan was to be used throughout the three lounges.

Burrison worked with the Operational Services' Department of Facilities Development on the project.

"I wanted to consider the use of the lounges from a social interaction point of view," he said, and also simultaneously to make them "flexible enough for different kinds of group use."

Burrison considered student opinions in formulating his design. He said he was surprised that, "students were not concerned so much with the aesthetics of it but with the security aspects." Small pieces of furniture are "very tempting to students and tend to disappear." Most of the modular furniture pieces in the new lounges are bolted together, to insure their permanence, he said.

New Officers Get Training

Four new University security officers, Beverly Jones, Diane Turner, Kenmore Fitzgerald, and José Fuentes, are now attending a twelve-week law enforcement course at the Collegeville, Pa., State Trooper Barracks.

The course consists of physical training, weapons and first-aid instruction, plus work in evidence giving, interviewing, and the study of the State penal and vehicle codes.

The session is similar to the course that the rest of the force has attended at Shippensburg State College, and, according to Adah Pollock of the Security and Safety Office, is like the training that the Pennsylvania State Troopers receive.

Pollock said that University officers have been sent to law enforcement training courses since 1972, to comply with Federal weapons regulations. She added that there are plans to send three more new officers to a training session at the Philadelphia Police Academy in November.

Recently Opened Parking Lot Aids Annenberg, Faculty Club

A new 202-space parking lot was opened recently at 3600 Walnut Street to better accommodate short-term visitors to the University, according to Steve Murray, director of the Parking Office.

The lot will serve primarily the Faculty Club, the Annenberg Center, Logan Hall and the Franklin Building. Murray said that the new facility will be a "big plus" for the Annenberg Center, which previously had little parking space for its patrons.

Construction of the lot was begun in early July and completed in August, with a few minor details still to be added. The lot occupies the former site of a number of old buildings razed last spring, which included the old Pagano's and the Penn bowling Center.

Murray said that the lot, which offers daily and hourly rates, should be most useful to visitors who wish to park in the center of the campus for only a few hours. The rates are \$1.50 per day for early parkers and 50¢ per hour.

Publications Office Starts In-House Advertising Agency

The Publications Office has expanded its operations to include a complete advertising service, including creative services, production of advertising, art, marketing, and the placing of advertising in various media.

Under the direction of Ron Hurt, the Office now handles advertising and offers marketing services for the College of General Studies, the PennStores and the University's Energy Office.

The recently completed advertising program for the College of General Studies, according to Hurt, helped to increase enrollment at the college this fall, and involved the creation and production of advertising which appeared in *Philadelphia Magazine*, the *Philadelphia Bulletin*, the *Philadelphia Inquirer*, several weekly newspapers, and radio commercials on WCAU radio. The total program also involved brochures for current CGS students, and a direct-mail campaign to 36,000 area Pennsylvania alumni.

For information about advertising and the services offered by the Publications Office, contact Ron Hurt at ext. 4834.

Move-in—Continued from Page 1

"It's been the finest move-in day ever," said Hirsch, who also reported only good comments from students, parents and University officials. "There were no traffic tie-ups, very little waiting, and a generally smooth operation," Hirsch said.

"In some cases our people had to carry beds, couches and refrigerators up five flights of stairs, so they really worked hard, and we are proud of the job that everyone did," Hirsch said.

Operational Services personnel who helped organize and oversee the move-in included Donald McAleer, Norman O'Connor, Robert McKain, Elizabeth Dukes and Bernard Capuano of the Department of Physical Plant, Morris Borth of the Engineering and Construction Department, and Capt. Merle Smith of the Department of Security and Safety. Vice President for Operational Services Fred A. Shabel and Hirsch shared overall responsibility for the operation.

Hirsch reported close coordination with Director of Residential Living Mary Beerman and her staff, whom he credited with a major role in the success of the operation.

Lighting Cuts Generate 900,000 Kilowatt Savings

A savings of 900,000 kilowatt hours of electricity per year is expected through Phase II of a lighting reduction program now in effect at the University, according to Francine McQuade of the Energy Office.

The removal this summer of 3,000 light bulbs in Van Pelt Library by the Department of Physical Plant initiated the corrective actions of Phase II.

Following the measurement of lighting levels and the study of wiring diagrams in the library, the bulbs were removed. Charles Jenkins, Building Administrator of Van Pelt Library, said that he has received no major complaints concerning the reduction, which consists of a 50% reduction of the number of bulbs in some areas and a 20-30% drop in the lighting level.

Further lighting reductions will take place in the near future as a continuation of the Phase II Program. Lighting level tests have been made in a number of other University buildings, from which the Energy Office plans to have more bulbs removed. The administrators of these buildings have been notified.

"As the needs of the campus change," said McQuade, "So do the lighting needs."

"Energy saving is a continuing process and there are always changes to be made."

Although there is an anticipated savings on energy use, McQuade said that it is difficult to estimate what the dollar savings will be, due to rising electric rates. The savings question is clouded further by the fact that while the University will pay less for air conditioning during the warm weather months, having less heat with the reduction in light bulbs, heating costs will go up for that very reason during the colder seasons.

McQuade said that other universities have conducted similar programs of extensive lighting reductions without major problems, and none are anticipated here at Penn. She added, however, that bulb replacement by

maintenance crews will have to be more efficient, since the failure of one bulb will have a much greater effect on the overall lighting picture.

Phase I of the program, which was conducted last year, consisted of similar lighting reductions. Lighting levels were reduced in public areas, buildings and lounge areas.

Building Administrators Get Congratulations, Challenge

Congratulations and a challenge were offered to the University's Building Administrators last week by Fred Shabel, Vice President for Operational Services, who spoke at their first meeting of the year, held in Wistar Auditorium on Thursday.

Shabel thanked the administrators for a job well done, and said that improvements made in most campus buildings were a welcome sight. The Building Administrators Council was set up last year to help improve and monitor the general upkeep and physical plant activities of each campus building, and to help keep buildings pleasant and attractive.

Shabel then challenged the Building Administrators to, at least, maintain the standards they have established, but hopefully to improve them and to develop a new "sensitivity to environment" within their own buildings.

"When you walk into a building on campus it is obvious whether or not the Building Administrator is a capable and sensitive person. I believe you can play a vital role on this campus, and I am challenging you to take on this responsibility."

He also asked the administrators to play a noted that much can be accomplished through technical equipment and advances, but that there are other areas which can be improved only through the concern of individuals.

"We had a great year last year, and I know we can all work together this year to improve and enhance the working environment we all share," he concluded.

New Rape Squad Established, Campus Escort Service Enlarged

In an effort to better serve the needs of the women of the University, the Safety and Security Office has formed a special Rape Squad and has extended its escort service.

The Rape Squad is a unit of female officers trained to help the victims of rape and assault. Their work includes counseling women who have been raped or assaulted. The Squad is available and on-call to assist in any problems related to the personal safety of women.

The goals of the Squad, according to University Police, are to provide support and positive help to a victim during a crisis. In addition, the Squad hopes to become a resource in developing plans of action towards minimizing rapes and assaults on women.

Detective Barbara Cassel, head of the Rape Squad, said, "It is the aim of the Squad to convey to the entire female population at the University preventive measures they can take to reduce their vulnerability."

She added that the Squad is available to conduct seminars in the area of personal safety and to discuss problems of a personal nature.

The escort service, provided by University Police, is being expanded for the benefit of the University's women employees and students. University Police, aided by work-study students, will be available 24 hours a day to escort women to and from their rooms, buildings and trolleys or other public transportation. The number to call for the escort service is ext. 7297 or ext. 7298.

27 MILLION PAGES PRINTED

While much of the campus was away this past summer, the Publications Office was working on a major portion of its year's work: printing 10 of the University's Bulletins. 120,500 copies of the Bulletins were printed, for a total of 27 million pages of information! Now that the University is back in session, the office can get some real work done!

Purchasing Office Contract Saves Hospitals Over \$600,000

By negotiating a five-year fixed-price contract for chemicals with Abbott Labs in 1970, the Purchasing Office saved five University-area hospitals over \$600,000 during the past five years.

As inflation increased in the early 1970's Abbott Labs raised their prices seven times to other customers. If the hospitals involved had not been protected by the fixed price contract, their costs would have risen by \$695,590.

Because certain solutions purchased from Abbott were suspected of contamination in 1970, they were recalled and the hospitals bought the same solutions from another company. This prompted Abbott Labs to offer the fixed price contract to the Purchasing Office.

A breakdown of the hospitals and the total savings of each is as follows: the Hospital of the University of Pennsylvania, \$202,748; Graduate Hospital, \$65,698; Pennsylvania Hospital, \$185,565; Children's Hospital of Philadelphia, \$136,245; and Presbyterian Hospital—U. of P. Medical Center, \$105,334.

The Purchasing Office has recently signed a new two-year contract with Abbott Labs which runs from July 1, 1976 to June 30, 1978. This contract is based on fall, 1975 catalogue prices and contains provisions for a 9% maximum price increase after the first year.



The Penn Community Park is now complete, capping several years of cooperative effort between community groups and Operational Services Departments of Facilities Development and Physical Plant. The Park is located at 40th and Walnut Streets.