

UNIVERSITY of PENNSYLVANIA



Almanac

VOL. 11, NO. 7

MARCH, 1965

Non-Profit Organ.

U. S. Postage

PAID

Permit No. 2147

Philadelphia, Pa.

Jobs Sought for Students Under Work-Study Program

Faculty and staff members who need part-time student help in research and clerical work may possibly obtain such help at Government expense beginning next September, they were informed this month.

Douglas R. Dickson, Director of the Student Financial Aid Office, announced that jobs of this nature for Pennsylvania students are being sought under a new College Work-Study Program, established by the Federal Government as part of the Economic Opportunity Act of 1964. The Program aims to promote and provide jobs as a form of financial aid for academically qualified students from low-income families.

In general, Mr. Dickson said, the Work-Study Program will follow the outlines of the Undergraduate Research Scholarship Program now being carried on by the University, except that it will not be limited to upperclassmen, as is the latter. The Government is to finance 90 percent of the cost of the program, and the University the balance. There will be no cost to faculty or departmental budgets.

Jobs covered by the program include work of any kind for the University, and work for a public or private non-profit organization, provided the work is related to the student's educational objective, and will not displace employed workers or impair existing contracts.

Preference is being given, according to Mr. Dickson, to institutional applications which provide for employment of eligible students in Community Action Programs or other anti-poverty activities.

Any student carrying at least 75 percent of the normal course load is eligible for the Work-Study Program if he is in good academic standing and comes from a low-income family. Such a family is one whose basic needs so far exceed the means of satisfying them that it cannot maintain a decent standard of living, or one which cannot reasonably be expected to contribute significantly to the student's educational expenses.

Students employed under the Work-Study program will be limited to a maximum of 15 hours a week during the semester, and to 40 hours a week at other times.

As the program is now envisioned, Mr. Dickson indicated, selection of students for Work-Study beginning in September will start this spring when the new freshman

(Continued on Page 2)

University Expands Program Of Faculty Research Grants

An expanded program of research assistance for faculty members during the next academic year has been announced by the Committee on Faculty Grants and Awards.

Both stipends for research work during the coming summer, and grants to cover expenses in connection with research, will be available. Professor Caleb Foote of the Law School, chairman of the committee, said the program will be financed by a University appropriation and by grants from the University's Institutional Grant from the National Science Foundation.

Last summer, 15 members of the faculty had University fellowships; 19 others were assisted in meeting research expenses, and 42 received grants from NSF Institutional funds. Mr. Foote said the committee hopes to be able to increase the number of fellowships awarded during the coming year.

Application forms, which can be obtained from the office of Project Research and Grants, should be submitted as promptly as possible. The committee will make final disposition of University fellowship funds, and will recommend to the Provost awards to be made under the NSF grant.

The committee will administer the University and NSF funds so as to make available as much support as possible for the humanities and for social science projects which do not qualify as "scientific research" under the NSF program. In general, any project which meets NSF standards will be financed under the NSF grant.

Applicants must be full-time faculty members who hold a doctorate or its equivalent and who by July 1 will have

(Continued on Page 2)

Dean Springer Announces Seven Faculty Appointments

The appointment of seven new members to the faculty of the College was announced last month by Dr. Otto Springer, Dean.

The new members are Dr. Paul I. Bernays, Visiting Professor of Philosophy; Dr. John Biggins, Assistant Pro-

(Continued on Page 3)

Antiques Show to Benefit University Hospital in April

The fourth annual University Hospital Antiques Show will open next month in the midst of the University's Medical Bicentennial observance.

The colonial period of 200 years ago, when the nation's first medical school was founded in Philadelphia, will be the inspiration of the display booths which will take over the 103rd Engineers Armory, 32nd St. and Lancaster Ave., from April 20 through April 24.

The show is sponsored for the benefit of the Hospital of the University of Pennsylvania by the Hospital's Board of Women Visitors. In addition to booths containing exhibits of more than 50 East Coast antiques dealers, it will offer the Cadwalader collection of early American furniture, paintings and objects d'art. This collection of a prominent Philadelphia family dates back to colonial times and includes three family portraits by the prominent 18th Century artist, Charles Willson Peale. It has been assembled from several sources.

Special events for which advance reservations may be made include a Preview Dinner on April 19; an illustrated lecture on April 21 by Nicholas B. Wainwright, research librarian of the Historical Society of Pennsylvania; an "evaluation evening" on April 22, and an Old Philadelphia bus tour on April 22 and April 23.

Inquiries about special events may be made by calling any of these numbers in Area Code 215: CA 4-4969; TU 7-1400, or MI 6-1600. Reservations, including checks, should be mailed to University Hospital Antiques Show, P. O. Box 526, Bryn Mawr, Pa., 19010. Checks should be made payable to University Hospital Antiques Show.

Mrs. Moreau D. Brown, of Haverford, is chairman of the show, and Mrs. Thomas S. Gates, of Chestnut Hill, is honorary chairman.

"The First Century" Available

"The First Century," a color motion picture depicting the first 100 years of intercollegiate athletics at the University, had its premier showing on campus recently, and is now available to interested organizations.

During its running time of 33 minutes, the 16-mm. sound film shows faces and scenes of the University's athletic highlights, both intercollegiate and intramural. It was produced by the University in honor of its intercollegiate athletic centennial. Pennsylvania's athletic history began with a cricket match at Haverford College on May 7, 1864.

At the film's beginning, Barney Berlinger, Sr., and Barney Berlinger, Jr., tell of Pennsylvania's early days in sports. Historical sequences include Frank Riepl's 107-yard kickoff return against Notre Dame in 1955, the longest run-back in Pennsylvania's gridiron history.

"The First Century" was directed and photographed by Elston Hillman, Director of Audio-Visual Services. Script and narration are by Fred Harper, Director of the Radio and Television Office. Music supervision was by Bruce Montgomery, Director of Musical Activities. Original music was by Frank Knight, a 1941 Pennsylvania graduate.

Organizations may arrange for showings by writing the Director of Audio-Visual Services at 3439 Walnut St., Philadelphia 19104, or by telephoning 594-7048. There is no charge for loan of the film.

Dr. Winston to Speak March 22

Dr. Ellen Winston, U. S. Commissioner of Welfare, will speak following the annual School of Social Work dinner Monday, March 22, in the Upper Egyptian Gallery of the University Museum.

The dinner is held annually for Philadelphia area social agency presidents, executives, and board members.

A reception at 5:30 P.M. in the Chinese Rotunda of the Museum will open the evening's program. Mrs. Howard A. Wolf, chairman of the School's advisory board, will preside at the dinner meeting. President Harnwell and Dr. Ruth E. Smalley, Dean of the School, will speak briefly. Dr. Winston's address will be followed by a talk by Robert N. Hilkert, president of the Health and Welfare Council of Philadelphia.

Research Digest to Move Here

The Immigration Research Digest, edited by Dr. E. P. Hutchinson, Professor of Sociology, is being transferred to the Pennsylvania campus and henceforth will be issued under the aegis of this University's Population Studies Center, it was announced last month by Dr. Vincent H. Whitney, Chairman of the Department of Sociology.

The move, from the American Immigration and Citizenship Conference of New York, coincides with receipt by the *Digest* of a three-year grant from the Population Council.

RESEARCH GRANTS

(Continued from Page 1)

the rank of Assistant Professor or higher. While awards will be based primarily on the research potential of the applicant and the merit of his project, some preference is given to applications from members of the faculty in the lower academic ranks.

Other members of the awards committee are Mr. Arthur Brennan, Office of Project Research and Grants; Dr. Derk Bodde, Chinese Studies; Dr. Richard Easterlin, Economics; Dr. Philip George, Chemistry; Dr. Lester Goldstein, Zoology, and Dr. Reinout Kroon, Mechanical Engineering.

STUDENT JOBS

(Continued from Page 1)

class is picked. The Committee on Student Financial Aid will be responsible for the selection of eligible students and appropriate jobs, both within the University and in community agencies.

The program is being initiated primarily at the undergraduate level, Mr. Dickson said, mainly because complete information on the parental resources of graduate students is not available. Should a faculty member know of a qualifying graduate student, the Financial Aid Office will welcome such information.

In addition to being drawn from all four undergraduate classes, candidates for the Work-Study Program would not be restricted to a major. Work of this kind would provide a close faculty-student relationship, for students coming from backgrounds where such a relationship is almost imperative to sound adjustment to college.

A separate payroll will be established within the Student Aid Office, and all checks will be issued from this source. Employers will report students' working hours to the Aid Office, just as they do for students assigned Undergraduate Research jobs. Monthly progress reports will also be required.

\$700,000 Ford Grant to Finance Research by Dr. Mastroianni

The University has received a grant of \$700,000 from the Ford Foundation for research on primate reproduction and fertility.

The grant, announced February 24, will help support a division of reproductive biology in the School of Medicine, and will provide facilities and equipment for a colony of approximately 150 rhesus monkeys to be used in the research.

In making the award, the Ford Foundation said it is one step toward expanding the role of American higher education in research and training on the world population problem.

Directing the research will be Dr. Luigi Mastroianni, Jr., recently appointed Chairman of the Department of Obstetrics and Gynecology of the School of Medicine. During the 1950's, Dr. Mastroianni was in charge of Yale University's Fertility Clinic. In 1961 he became professor of obstetrics and gynecology at the University of California at Los Angeles, and chief of obstetrics and gynecology at Harbor General Hospital in that city. He continued his investigations of infertility there, at both the clinical and research levels.

Dr. Mastroianni is scheduled to come here from Los Angeles in June to assume his full-time duties.

English Dept. Entertains Three Visiting Writers

Irish short story writer Mary Lavin spent four days on campus this month under the auspices of the English Department's visiting writer program. She addressed classes and met with students interested in creative writing and literature.

As part of the same program, May Sarton, poet, novelist, and teacher, will visit the University from March 22 to April 2.

From April 5 to 30, Hortense Calisher, novelist and short story writer, will be in residence on the campus.

New Applied Math Group

A new Graduate Group Committee in Applied Mathematics has been established in the Graduate School of Arts and Sciences, under the chairmanship of Dr. Herbert Wilf, Associate Professor of Mathematics.

The committee offers a program of study leading to the degree of Doctor of Philosophy in Applied Mathematics. It is composed of faculty members from the Mathematics Department and from other disciplines which use mathematics extensively, such as astronomy, biology, chemistry, economics, engineering, physics and physiology.

Students enrolled in the program will choose a field of application, which may be either a conventional discipline or an area of applied mathematics itself. Individual course programs will be planned to provide depth in mathematics and in the field of application. Doctoral dissertations will be expected to embody an advance in knowledge in this field, arrived at by a novel use of modern mathematics.

Geoghegan Lecture on April 8

Dr. Harold D. Lasswell, Edward J. Phelps professor of law and political science at Yale University, will deliver the first annual Anthony V. B. Geoghegan lecture here on April 8.

The lectures, to be given in the field of communications, have been established by friends and associates of the late Mr. Geoghegan, who at the time of his death in 1962 was executive vice president of Young & Rubicam, New York advertising agency.

A pioneer in the study of public opinion and communications, Dr. Lasswell received his degrees at the University of Chicago. He has been a professor at Syracuse, Western Reserve, California, and Chicago Universities, as well as at Yenching University of China and at Tokyo University. He was Director of War Communications Research at the Library of Congress from 1939 to 1945.

Dr. Lasswell is the author of a large number of books on political science, among which the most recent are *Law and Public Order in Outer Space*, published in 1963, and *The Future of Political Science*, published in 1964.

The lecture will be given in the auditorium of the Annenberg School of Communications. The public is invited.

FACULTY APPOINTMENTS (Continued from Page 1)

Professor of Biology; Dr. Philip Bloomfield, Assistant Professor of Physics; Dr. Frank V. Mercer, Visiting Professor of Biology; Dr. George W. Rayfield, Assistant Professor of Physics; Dr. Samuel Shtrikman, Visiting Professor of Physics, and Dr. Elysiario Tavora, Visiting Professor of Geology.

A professor at the Eidgenossische Technische Hochschule in Zurich since 1945, Dr. Bernays holds a doctorate from the University of Goettingen. He has taught at the latter university and at the University of Zurich, and has written extensively on the relationships of mathematics and symbolic logic.

Dr. Biggins did his undergraduate work at the University of London and received his doctorate at the University of California, Berkeley.

A graduate of the University of Chicago, Dr. Bloomfield earned both his master's and doctoral degrees there.

Dr. Mercer is an associate professor of plant physiology at the University of Sydney, Australia. A graduate of the University of Adelaide, he received his doctorate at St. John's College, University of London. He holds a Senior Foreign Scientist Fellowship, awarded by the National Science Foundation.

A graduate of Stanford University, Dr. Rayfield received his master's and doctoral degrees from the University of California, Berkeley.

Dr. Shtrikman has been the senior scientist in the electronics department of the Weizmann Institute of Science in Rehovoth, Israel, since 1962. A graduate of the Technion at Haifa, where he also received his doctoral degree, he served as a senior staff physicist in the solid state physics division of the Franklin Institute from 1960 to 1962. He also holds an NSF Senior Foreign Scientist Fellowship.

A professor of mineralogy and petrography at the University of Brazil, Dr. Tavora earned his doctoral degree at that university. His special field of interest is the application of exact sciences to the solution of problems related to geological phenomena.

Among Other Things

CONGRATULATIONS: To DR. I. S. RAVDIN, Vice President for Medical Affairs, on receiving the gold medal of the American Cancer Society for his exceptional contributions to the fight against cancer. The presentation took place March 4 at a dinner at the Bellevue-Stratford Hotel.

APPOINTMENTS AND HONORS: DR. THORSTEN SELLIN, of the Department of Sociology, has been elected vice-president of the American Association for the Advancement of Science, and chairman of its Section K . . . DR. HERMAN BEERMAN, Professor and Chairman of the Department of Dermatology in the Graduate Division of the School of Medicine, has been named president-elect of the Society of Dermatology, and a member of the board of directors of the American Academy of Dermatology . . . PROFESSORS PAUL W. BRUTON, JOHN O. HONNOLD, and LOUIS B. SCHWARTZ of the Law School are serving as members of a national committee of law professors who write memoranda for the press explaining and interpreting current Supreme Court decisions.

OUR AUTHORS: A monograph on *Growth Without Inflation*, by DR. SIDNEY WEINTRAUB, Professor of Economics, was published recently by the National Council for Applied Economic Research in New Delhi, India, where PROFESSOR WEINTRAUB spent the fall semester as a consultant . . . The sixth edition of *Endodontic Practice*, by DR. LOUIS I. GROSSMAN of the School of Dental Medicine, was published in January . . . DR. NOAH S. PRYWES, Associate Professor of Electrical Engineering in the Moore School of Electrical Engineering, has just written a book, published by McGraw-Hill, on *Amplifiers and Memory Devices*, with films and diodes.

TRAVELERS AND SPEAKERS: MISS E. K. RALPH of the Physics Department and DR. ELLEN KOHLER of the University Museum staff are leaving about mid-March for Turkey, where they will be members of the Museum's Gordion Expedition, under the direction of DR. R. S. YOUNG, Chairman and Professor of Classical Archaeology . . . DR. C. N. WEYGANDT, Professor of Electrical Engineering in the Moore School, gave a paper on "Graduate Degrees for Power Systems Engineers" at the winter power meeting of the Institute of Electric and Electronic Engineers, held in New York early in February . . . DR. DAVID M. ROBB, and DR. GEORGE B. TATUM, Professors of the History of Art, attended the meetings of the College Art Association and the Society of Architectural Historians in Los Angeles, January 27-31. DR. TATUM is vice president of the Society of Architectural Historians and organized its program. DR. ROBB is program chairman of the College Arts Association, and read a paper at its meeting.

DR. SAUL GORN, Professor of Electrical Engineering in the Moore School, presented three lectures on "Mechanical Languages" at a seminar on Computer Program Languages at Pennsylvania State University, February 25-26 . . . DR. ALBERT I. OLIVER, of the Graduate School of Education, spoke on "Finding Certainty in a World of Uncertainty" before the faculty and students of Oakwood College, Huntsville, Ala., as part of a program marking Negro History Week . . . DR. HERMAN P. SCHWAN, Professor of Biomedical Engineering, Moore School, completed his 15th site visit of the past year for the National Institute of Health on February 2 . . . ASSOCIATE PROFESSOR ELEANOR J. CARLIN of the Division of Physical Therapy in the School

of Allied Medical Professions, has been invited to present a paper before the Education Section of the American Physical Therapy Association in Cleveland in June . . . PROFESSOR RALPH M. SHOWERS and RESEARCH ASSOCIATES JURIJ G. MACZUK and VICTOR K. SCHUTZ of the Moore School presented a paper on "Photoconductivity in Thermally Annealed Silicon Crystals" at the annual meeting of the American Physical Society in New York, January 27-30.

Library Vacation Schedules

The Charles Patterson Van Pelt Library will observe the following schedules during the Spring and Easter vacations:

Spring Vacation

Saturday, March 13	8:45 A.M. - 1 P.M.
Sunday, March 14	Closed
Monday, March 15 through	
Friday, March 19	9 A.M. - 5 P.M.
Saturday, March 20	8:45 A.M. - 1 P.M.
Sunday, March 21	Closed
Monday, March 22	Resume regular hours

Easter Vacation

Thursday, April 15	8:45 A.M. - 10 P.M.
Friday, April 16	Closed
Saturday, April 17	9 A.M. - 5 P.M.
Sunday, April 18	Closed
Monday, April 19	Resume regular hours

Bowling League Expands

The University Bowling League, organized in September, 1963, at the Eastwick Lanes, 5300 Elmwood Ave., is expanding and invites faculty and staff members to join, either as individuals or by entering a team. One need not be an expert to take part. Free instruction is provided.

Those interested should telephone Bud Crouthamel of the Bowling Committee at Extension 8558.

Charter Flights Planned

Members of the faculty and administrative staff will be eligible, with members of their families, for a series of University-sponsored charter flights to Europe during the coming summer.

Flights are being organized by a Flight Director at Houston Hall, and will be the only ones authorized on campus this semester. Students and bona fide members of their families are also to be eligible.

Those interested in details should telephone Thomas Woodland, Flight Director, at Extension 7268.

THE ALMANAC

Published monthly during the academic year by the University for the information of its faculty and staff

The Editors are assisted by an Advisory Committee representing the Faculty, Administration, and Personnel of the University.

Editor Frederic G. Hyde

Address Room G-8, Annenberg School
University of Pennsylvania Printing Office