President Stresses Intellectual Aspects of Development

The University's Integrated Development Plan, which maps the course for Pennsylvania's educational and physical development between now and 1970, "is based firmly upon our conviction of the primacy of the intellectual environment," President Harnwell declared in his annual report this month.

Dr. Harnwell pointed out that the Plan "recognizes the many aspects of this environment—both those that are self-evident as well as those that are subtle and elusive—which invited men and women to explore, incite them to learn, and sharpen the critical assessment which they bring to these activities.

"The ability and enthusiasm of those who participate in this process," he continued, "and the elan that permeates the body that they form, constitute the living core of the University.

"Pennsylvania's resources, facilities, and structures constitute the complementary material environment that attracts and holds this community together, that supports its efforts, and effectuates its purpose. Thus, funds for scholarships, stipends and salaries; for communal residences; for facilities for the academic enterprise; as well as for physical and intellectual recreation, are the practical necessities of the University and essential elements in planning for its future," he added.

The Plan is an integrated one, Dr. Harnwell said, because it recognizes that a university must be guided by a consistent educational program in agreement with its aspirations, traditions and resources.

The President's previous annual report stated that "an environment for learning will be encouraged by including within each house (of the projected undergraduate housing plan) a dining commons, quarters for a senior and several junior members of the faculty, a library, seminar rooms, and lounge and meeting areas, with nearby facilities for intramural athletics."

"To bring the graduate and professional students into this colony of scholars," Dr. Harnwell commented in his new report, "we plan to build a group of high-rise structures, each with 100 modest apartments for 200 people—couples or single students. The first building will be the Harold C. Mayer Residence Hall for students of the Wharton Graduate Division. We intend to build others on a Graduate Quadrangle for our other graduate schools and the School of Medicine."

On the subject of faculty salaries, the President reported that "much progress has been made during recent years in redressing the inadequacy of old salary scales, but we still have far to go in the years ahead... We hope to better our position, particularly in the senior grades; simply to maintain our position will require better than a five per cent increase a year for some time to come.

(Continued on Page 3)

Half of University's Income Goes Into Teaching, Research

Approximately half of the University's expenditures of $64,217,548 during the academic year 1961-62 went into teaching research, according to its annual financial report, issued late in November.

The report, made public by Henry R. Pemberton, Business and Financial Vice-President, showed current income for the year of $64,260,012, leaving a surplus of $42,464 to be held for future operating needs.

Gifts and bequests during the fiscal year amounted to $8,611,492, the fourth highest total in the University's history. It topped the previous year's total by about $750,000, but fell short of the record amount of $11,600,000 received in 1957-58.

Alumni gave or bequeathed 36 per cent, while other individual friends of the University provided 21 per cent, corporations 13 per cent, and foundations 30 per cent. Alumni Annual Giving, which raised $1,130,000 among more than 22,000 alumni, passed the million-dollar mark for the second consecutive year.

The University's income during the fiscal year, said Mr. Pemberton, came from the following sources: student fees, 26 per cent; Federal government, largely for contract research, 22 per cent; hospital and clinic receipts, 19 per cent; Commonwealth of Pennsylvania, 10 per cent, and gifts and grants, seven per cent.

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Excavation Begins for Materials Research Building at 33d, Walnut

Excavation began late in November for the University's new Laboratory for Research on the Structure of Matter, to be erected at the northeast corner of 33d and Walnut streets.

The four-story structure, to cost $4,100,000, is expected to reach completion in February, 1964. Its site, immediately east of the new Women's Residence and north of the Physical Sciences Building, has been in use as a University parking lot since the row houses once occupying it were razed.

The laboratory will be devoted to advanced research in the fields of solid-state physics, all phases of metallurgy, and portions of inorganic and physical chemistry.

A key objective of the program to be undertaken, once the building is completed, is to increase sharply the number of graduate students produced annually in the materials sciences. Similar programs are going forward under Government auspices at Cornell and Northwestern Universities.

Dr. John W. Hobstetter, Professor of Metallurgical Engineering, who will direct activities at the laboratory, has emphasized that while a substantial part of its costs will be borne by the Government, the nature of the work done there will be decided by the University.

The laboratory, which will be incorporated into the organizational structure of the University's science programs and will provide facilities for interdisciplinary work, is to house a materials processing center with facilities for the production of powders, compacts, ingots and single crystals of a great variety of materials, and for their mechanical working, heat treatment and testing.

There will also be a cryogenics facility, optical microscopy center, electron microscopy center, x-ray diffraction laboratory, high field magnetics laboratory, analytical laboratory, electrical standards laboratory, spectroscopic laboratory, and a magnetic resonance facility.

The staff will include 35 professors, 20 of whom will be new to the University; 20 post-doctoral scientists, of whom 15 will be new, and 120 graduate students, 65 of whom will be new.

The building was designed by Martin, Stewart, Noble and Class, architects, and is being built by United Engineers and Constructors, Inc.

Hathaway Shakespeare Club Visits Furness Memorial

Members of the Hathaway Shakespeare Club of Philadelphia were guests December 7 at a tea held in the Furness Library of Shakespeareana, newly relocated in the University's Charles Patterson Van Pelt Library.

Dr. Matthew W. Black, Professor of English and Curator of the Furness Library, took the members on a tour of the library in its new quarters, displayed some of its treasures, and addressed them briefly. The club took the occasion to present a substantial gift to the library toward the cost of moving the statue of Shakespeare from the old library building to the new quarters of the Furness Memorial.

Undergraduate Education Goals Stated by Baccalaureate Council

With the thought that it may be of interest to all members of the University faculty, Provost David R. Goddard has forwarded to The Almanac for publication the following statement prepared by the Ad Hoc Committee on Goals of Undergraduate Education of the Baccalaureate Council:

"The goals of the undergraduate programs of the University are two-fold: to insure that each student acquires a good liberal education and a sound and trustworthy foundation in some field of knowledge. A liberal education provides a student with a basic knowledge of himself, of society and of the physical universe; develops the student's powers of observation, rational thought and communication; develops in each student a sense of social responsibility, ethical and moral values, as a basis for personal and social adjustment and action; develops the student's aesthetic sensibilities, the enjoyment and understanding of the arts; develops the student's intellectual curiosity and powers for continued growth. The foundation in a field of knowledge enables the student to become a person of advanced accomplishment and superior ability to use his mind and enables him, if he so desires, to become eventually a scientist or a scholar.

"These goals are complementary and the distinction between those studies which contribute to a liberal education and those undertaken primarily to obtain a depth of knowledge is extremely difficult to make. The conflict between the demands of liberal education and the demands of a particular field and the distinction between the courses in one or the other of either of these categories is lessened if the intellectual and humanistic values common to both are realized by the teacher and communicated to the students. The quality and understanding of the teacher and of the advisor, the stimulus of fellow students, and the self-education of the student are indispensable. Indeed, it is probable that for the achievement of these goals the curriculum is less important than the teacher and advisor."

Grants of $348,500 to Support Summer Institute in Mathematics

The University has received grants totaling $348,500 from the National Science Foundation to support a 1963 summer institute and a 1963-64 academic year institute for secondary school mathematics and science teachers.

They will be the sixth such institutes sponsored jointly by the University and the Foundation.

Forty-five junior and senior high school teachers will be enrolled in the academic year institute, which will begin next September and continue through the 1964 summer session. Eighty teachers will participate in the 1963 summer institute.

The academic year institute will be financed by a $267,400 grant while the summer institute will be sponsored by an $81,100 grant. Special courses in both institutes will be offered in mathematics, physics, chemistry, and biology.

A similar academic year institute now in progress has teachers enrolled from as far away as Puerto Rico and California.
University's United Fund Campaign Exceeds Quota

Under the co-chairmanship of Dr. James M. Sprague and Windle McMahon, the University exceeded its quota for the 1963 United Fund campaign during October and November.

The 325 solicitors taking part in the campus drive brought in contributions and pledges of $46,720 or 100.7 per cent of their $46,377 quota.

University Hospital also went over the top with 100.5 per cent of quota under the leadership of Marie C. Soreiro. The total of H.U.P. contributions was $17,170, against an assigned goal of $17,090.

At Graduate Hospital, contributions totalled $7548, or 91 per cent of an assigned quota of $8300. The campaign was under the chairmanship of M. Paxson Laird, assisted by Dr. LeRoy Stahlgren.

Library Displays Collection Of Works by Lope de Vega

A major collection of works by Lope de Vega, founder of the 17th Century Spanish theatre, went on exhibition December 12 in the sixth-floor exhibition hall of the Van Pelt Library. It will remain there through February 15.

Highlights of the exhibition are the original manuscripts of two Lope plays, Charles V in France and The Benavides Family. Both are hand-written and signed by the author. Charles V was given to the Library by the late Mrs. John B. Stetson, Jr., widow of the former U. S. Minister to Poland. The Benavides Family was acquired at auction in Germany.

INCOME...

(Continued from Page 1)

Sales and services of auxiliary enterprises, such as dormitory rooms, dining rooms, and book stores provided six per cent of the year’s income, while endowment income accounted for six per cent and other sources provided four per cent.

Total assets of the University passed the $200,000 mark for the first time during the year. The cost of buildings completed in that time exceeded $15,000,000. These included the Charles Patterson Van Pelt Library, the Annenberg School of Communications, the J. S. Ravdin Institute, the tandem accelerator building, and the Law School addition.

Other project under construction on June 30, at a cost of approximately $4,250,000 the report noted, were the biology building, dental school renovations, New Bolton Center clinic building, and renovations to the nurses’ residences.

The estimated cost of projects in the active planning stage is more than $27,000,000. Preliminary planning is being done on other projects which will cost nearly $10,000,000.

The market value of the University’s income-producing investments on June 30 was $108,570,869, of which slightly more than $9,600,000 is held for the University’s benefit by outside fiduciaries. Of the total held by the University itself, $74,155,545 represents the market value of the University’s pooled fund, the Associated Investments Fund.

Income from all investments reached a new high during the year of $5,122,988.

Three Members of College Faculty Are Awarded ACLS Grants-in-Aid

Three members of the College faculty have received grants-in-aid from the American Council of Learned Societies for post-doctoral research in the humanities. They are Dr. Gerard J. Brault, Associate Professor of Romance Languages; Dr. Tristram P. Coffin, Associate Professor of English, and Dr. Arnold G. Reichenberger, Professor of Romance Languages.

Dr. Brault, who is also Vice Dean of the Graduate School of Arts and Sciences, has been awarded a grant to prepare a critical edition of Girart d’Amiens’ Charlemagne. The stipend will also permit him to read a paper on the Vannes Casket at the Triennial Congress of the International Arthurian Society at Aberdeen, Scotland, during the coming summer.

The award to Dr. Reichenberger is to subsidize the preparation and publication of a new work, Charles V en Francia.

Dr. Coffin’s project under ACLS sponsorship will be “The British Traditional Ballad in Print in North America.”

Dr. Brault is also currently directing the Franco-American Textbook Project, which involves a revision and expansion of special materials designed at Bowdoin College in the summer of 1961, for use by secondary school students who are native speakers of French and of Canadian extraction.

PRESIDENT...

(Continued from Page 1)

“Equally pressing is our need,” the report went on, “to expand the endowment of distinguished professorships such as those that bear the names of their donors, Donner and Kuemmerle; these carry our highest stipends and set the tone of faculty morale.

“Among the professional school faculties, the situation is much the same except for medicine,” Dr. Harnwell stated. “With the rising importance of clinical research and specialized graduate instruction, our tradition in medicine, of major reliance by the clinical faculty upon private practice for their livelihood, is outmoded as a general principle; a considerable number of fully salaried positions must be established over the coming years. This is a major and essential undertaking. Upon it depends our ability to maintain a position of eminence in medical education.”

He explained that the University’s financial support for instruction and research comes in “not too unequal fractions” from tuition and fees; from gifts and grants by individuals, corporations, and foundations, and from grants, contracts, and other forms of aid from the city, state and federal governments.

“The tuition total traditionally, though quite fortuitously, has closely equalled the faculty salary total,” the President added. “Given good husbandry and management, a high tuition is a measure of the quality of the faculty that we can bring to our academic environment in competition with the wide range of opportunity that is elsewhere presented to able men and women; it is also a resource from which the University may supplement loans and grants from other sources to subsidize gifted students with slender means.”
Among Other Things

CONGRATULATIONS: To Dr. George E. Ruff, Assistant Professor of Psychiatry, School of Medicine, on the citation awarded him by the American Medical Association for his "outstanding services to the citizens of the United States... in the successful orbital flights of its astronauts." Dr. Ruff serves as psychiatrist to the astronauts... And to Dr. Francis C. Wood, Professor and Chairman of the Department of Medicine, on receiving the honorary degree of Doctor of Science at the University of Dublin, Ireland, on December 6. The degree was presented during the observance of Dublin University's Tercentenary.

TRAVELERS AND SPEAKERS: Dr. William T. Fontaine, Assistant Professor of Philosophy, attended a conference on socialism called by the President of Senegal at Dakar, West Africa, December 3-8, in his capacity as secretary of the executive committee of the American Society of African Culture... Dr. Elizabeth Flower, Associate Professor of Philosophy, and Dr. Arthur P. Whitaker, Chairman of the History Department, delivered papers on nationalism at a meeting held in Mexico City during November, under the auspices of the International Society for the History of Ideas... Dr. Frederic Roll, Associate Professor of Civil Engineering, attended the annual Student Prize Membership Award meeting of the American Society for Testing and Materials, held at Princeton University on October 29...

Dr. Maurice A. Brull, Professor of Engineering Mechanics, addressed the Applied Mechanics Division of the Philadelphia Section, American Society of Mechanical Engineers, on December 4... Dr. Paul C. Colonna, Professor Emeritus of Orthopaedics, will present a paper on "Congenital Dislocation of the Hip in Children" at the annual meeting of the American Academy of Orthopaedic Surgeons to be held in Miami Beach January 27-February 1... Dr. David T. Rowlands, Associate Professor of Finance, delivered the keynote address at the 15th annual Real Estate Educational Conference at the University of Michigan on November 9, and addressed the conference of the Committee on Taxation, Resources and Economic Development held at the University of Illinois on November 15-17... Dr. Lawrence Klein, Professor of Economics, addressed the Graduate Economics Club of M.I.T. on November 5, and attended the meetings of the Committee on Economic Stability at the Brookings Institution in Washington, November 7-8...

Dr. Mark W. Allam, Dean of the Veterinary School, moderated a panel on research needs and techniques during the fourth Pan-American Congress on Veterinary Medicine held in Mexico City November 12-17... Dr. Robert J. Rutman, Senior Research Associate in Chemistry, attended the Conference on the Status of Cancer Chemotherapy in Bielefeld, Germany, November 14-15... Dr. Wilfred Malenbaum, Professor of Economics, appeared November 28 on the television program, "Court of Reason," Channel 13, New York, to discuss "The Population Explosion: Is Birth Control the Answer?"... Dr. Richard Easterlin, Chairman and Professor of Economics, participated in a Conference on the Economics of Urban Human Resources in Washington, D.C., November 16-17.

HONORS AND APPOINTMENTS: Dr. Jean S. Straub, Professor in the Graduate School of Education and until recently Director of the College of General Studies and the Summer School, has been elected a trustee of the Agnes Irwin School... Dean William Arnold of the Graduate School of Education, Dr. Mary E. Coleman, Associate Professor of Education in that school, and Dr. Edward B. Shils, Associate Chairman and Associate Professor of Industry in the Wharton School, have been appointed by the University to the Advisory Board of the Henry C. Lea School at 47th and Locust sts., which was recently designated a "University-Related" institution... Dr. Richard Easterlin has been elected to the Council on Research in Economic History, a non-profit organization interested in encouraging research in economic history... Dr. Charles R. Whitlesey, Chairman of the Department of Finance, was elected in November to a four-year term as trustee of the Teachers Insurance and Annuity Association... Dr. George S. Koyl, former Dean of the School of Fine Arts and Emeritus Professor of Architecture, is editor of the new American Architects Directory, just off the press... Dr. Howard E. Mitchell, Assistant Research Professor in Family Study, has been appointed project director of a nation-wide study of the number and distribution of psychiatric aides in state and county mental hospitals, and their roles and functions, undertaken by the Association for Mental Health... Dr. Irving J. Wolman, Professor and Chairman of Pediatrics in the Graduate School of Medicine, has been named editor of a new journal, Clinical Pediatrics, formed by the merger of three others, Archives of Pediatrics, American Practitioner, and Quarterly Review of Pediatrics...

OUR AUTHORS: Dr. Irving B. Kravis, Professor of Economics in the Wharton School, is the author of one of four articles prepared by professors for the Joint Economic Committee of Congress, to provide a guide for committee members in forthcoming hearings on the impact of the European Common Market on the U. S. balance of payments... Dr. Thomas C. Cochran, Professor of History, and Dr. Ruben E. Reina, Assistant Professor of Anthropology, are joint authors of Entrepreneurship in Argentina, published this fall by the University of Pennsylvania Press... Dr. Carleton S. Coon, Professor of Anthropology and Curator of Ethnology at the University Museum, is the author of a new book, The Origin of Races, published by Harper and Row, excerpts from which appear in the current issue of Harper's Magazine as "New Findings in the Origin of Races."

CATCHING UP WITH THE NEWS: Dr. H. P. Schwan, Professor of Biomedical Engineering in the Moore School, spent the past summer as guest professor at the University of Frankfurt, and while in Germany gave a series of lectures at the Max Planck Institutes in Heidelberg, Tubingen, Gottingen and Munich.

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