ELECTION OF MR. ANNENBERG

Walter H. Annenberg, U.S. Ambassador to the Court of St. James's and a Trustee of Pennsylvania in the past, was again elected to the Trustees at their special meeting June 13.

Mr. Annenberg, an alumnus of the Wharton School and 1966 recipient of an honorary Doctor of Laws degree here, was elected to the Trustees in 1960 and to a second term in 1965. He resigned from the boards of this and other institutions in 1969 upon his appointment as ambassador to Great Britain.

During the '60s he served as co-chairman of the Trustees' development advisory committee and as a member of the National Council and the Capital Campaign steering committee. Through his efforts the Annenberg School of Communications was established here in 1958-59, and the Annenberg Center for Communications Arts and Sciences in 1971.

Mr. Annenberg was also the anonymous “Mr. Pennsylvania" whose 1969-70 matching of increases in alumni gifts raised the Annual Giving Program total from $2 million to $2.6 million, a new high in Penn history. Annual Giving has since risen to last year's $3 million mark.

TRUSTEES' ACTIONS JUNE 13

At their special meeting in June, the Trustees dealt with details of their own reorganization growing out of the creation of a tripartite office of chairman in May; approved continuation of Young Alumni Trustees and the next step in the plan for a major development effort; agreed to make a permanent loan of Penn's Herbarium to the Academy of Natural Sciences and amended the Statutes on retirement age. The amendment on retirement removes specific age figures from the statutes themselves, leaving to the Executive Board "power to fix and determine from time to time the age and provisions on which officers, faculty members and other employees of the University shall retire ......

HOSPITALS: MR. LEVITAN

Mark S. Levitan, a 40-year-old Wharton School alumnus who has been senior vice president of a national corporation specializing in hospital development and management, has been named to the new post of Executive Director of University Hospitals here.

He will be responsible for strengthening existing relationships between HUP and Graduate Hospital for more effective and economical organization of services for patient care. He will also serve as liaison between the hospitals and the health professional schools (Medicine, Nursing, SAMP and Dental Medicine) whose students receive clinical experience in the two hospitals. Vice President Thomas Langfitt said in announcing his appointment.

Mr. Levitan, a certified public accountant who has worked with IBM and a predecessor firm of Laventhol Krekstein, Horwath & Horwath, was administrator of a 145-bed hospital before helping to organize American Medicorp Inc. in 1968. At that firm, as senior vice president, he was responsible for development of new hospitals; supervision of a number of the company's hospitals; management services for facilities not owned by the company; and liaison with government and industry organizations.

He has served on the HEW's grant administration advisory committee; the U.S. Chamber of Commerce's committee on national health care needs; and the board of the Intercounty Hospitalization Plan, Inc. He is on the finance committee of the Hospital Association of Pennsylvania and the board of the Federation of American Hospitals, where he also served as treasurer and chairman of the provider reimbursement committee.

He took his B.S. in Economics at Wharton in 1955. He was a member of the honor societies Beta Alpha Psi and Beta Gamma Sigma, and a member of the varsity football team.

ANTIQUES SHOW: $111,000 FOR ‘CLEAN ROOMS’

Five operating rooms at the Hospital of the University of Pennsylvania have been made virtually germ-free as a result of the University Hospital Antiques Show's 1974 proceeds, applied toward the cost of installing laminar air-flow systems in the rooms.

To date, the proceeds total $111,000, the Show's honorary chairman, Mrs. Moreau D. Brown and co-chairmen Mrs. Stuart B. Andrews and Mrs. Robert L. Mayock announced in June. Additional funds are anticipated when all figures are in.

Since the first Antiques Show in 1962, proceeds have amounted to $947,700. The money has been used for construction, renovations and improvements, including the rehabilitation center, intensive care units, labor and delivery rooms, a chapel, and the emergency department.
HONORS IN BRIEF

Dr. Loren Eisley received an honorary Doctor of Science degree from Kenyon College at its commencement exercises in May.

Dr. Robert F. Evans was elected to the American Theological Society, a group of Christian and Jewish scholars, shortly before his death in May. Dr. Dean Arthur E. Humphrey was this year's Distinguished Lecturer in Agriculture and Natural Resources at Michigan State University. His subject was the use and production of single cell protein for food and energy.

Lt. Col. (Ret.) Faris R. Kirkland received the Legion of Honor for his contributions to the ROTC program at the University at a small ceremony held here during the June Trustee's meeting. Thomas S. Gates, chairman of the Trustees' executive board and former undersecretary of the Navy, presented the medal to Col. Kirkland on behalf of both the Secretary of the Army and the University. Col. Kirkland, who developed the courses on conflict and aggression for College and CW students, was cited for a program "carefully attuned to student needs and interests."

Dr. Edward K. Morlock has been elected vice president of programs of the Transportation Research Forum.

Dr. Peter Randall is the first plastic surgeon to receive the Service Award of the American Cleft Palate Association.

Dr. Karl Rickels was elected a Fellow of the College of Physicians of Philadelphia.

Dr. Burton Rosner will be on leave next year; he has been named a Visiting Fellow of Wolfson College, Oxford; and a Visitor at Oxford's experimental psychology department.

Dr. Morris Viteles, Emeritus Professor of Psychology, received the Distinguished Service Award of the Pennsylvania Psychological Association. Dr. Viteles, a former PPA president, was cited for his research and practice in industrial psychology and vocational guidance.

GROUPS EFFORTS HONORED

Penn's basketball team was given the Sam Schoenfeld Award for sportsmanship for teams in the Washington-Philadelphia area. This is the third year the team has been honored.

Eighteen of the seventy students of the architecture course Energy Conservation in Buildings were cited for their projects at a jury-exhibit May 7, May 7. The exhibit was shown at the American Institute of Architect's Philadelphia headquarters in June and is now being sent to various architecture schools and AIA headquarters in Washington, D.C. John Robertson Cox and Lawrence G. Spielvogel, co-developers and teachers of the course, are now compiling course materials for a textbook on energy conservation in architecture.

The University's "Pick-Up" campaign in April, highlighted by the presentation of the Albert Monroe (Pomp) Wilson Award to B&G-man Allen White, has itself won an award: second place in the northeastern region in the national college "Pitch In" sponsored by the ABC radio network and Budweiser beer. The $250 prize will be presented in September.

DEATHS

Dr. Ralph F. Breyer (May 1 at 76), Emeritus Professor of Marketing, became a teaching assistant in Wharton's transportation department after receiving his B.A. in 1920. He also took his master's and doctoral degrees here while teaching and was named professor of marketing in 1951.

Dr. Morton H. Cross (May 3 at 33), former assistant professor at the School of Veterinary Medicine here, and his wife, Dr. Patricia Cross, were with Dr. Ralph L. Brinster in the Laboratory of Reproductive Physiology until December, 1973, when they moved to Newfoundland. Mrs. Barbara Hanksford at the lab is in charge of funds being gathered to provide savings bonds for the Crosses' two young sons; contact her at Ext. 8805. Mrs. Cross has rejoined the veterinary school faculty and may be addressed at 120 Beck Street, Philadelphia 19149.

Betty Daly (May 17 at 70, suddenly, in Teheran), wife of Lloyd W. Daly, professor of classical studies. Mrs. Daly was a member and officer of the Faculty Tea Club since coming to Penn in 1947. She also shared in Dr. Daly's research activities; most recently, she collaborated in an edition of the Summa Britonis which will be published this year.

Dr. Robert F. Evans (May 30 at 44), Professor of Religious Thought. A 1951 graduate of Yale and former Fulbright Scholar at Kings College, Cambridge, Dr. Evans came to Penn in 1961. His field of study was the history of Christianity, particularly the church's early history. He had written three books on the Roman theologian Pelagius, and, in 1970, the Society for Religion in Higher Education awarded him a fellowship to study Roman law and stoicism at the University of Vienna. Dr. Evans was ordained an Episcopal priest in 1958. He was organist and choirmaster at St. Mary's Episcopal Church on Locust Walk.

Frank Finley (May 4 at 77), a janitor here for twenty years until his retirement in 1962.

Dr. Maurice A. Gallagher (April 2 at 75), Associate in the Romance languages department who retired in 1964. Dr. Gallagher was graduated from the Wharton School, took his advanced degrees in Romance languages here, and joined the faculty in 1925. In 1939, he received the silver medal of the Academie des Jeux Floraux for his study of the nineteenth-century poet Baudoir-Lormian. The French government awarded him its Palmes Academiques for his work in France during the second world war.

Paris Jones (April 21 at 50), retired last August after eleven years as a janitor here.

Dr. Herbert Lipschutz (May 8 at 54), chief of plastic surgery at Pennsylvania Hospital and assistant clinical professor of plastic surgery at the School of Medicine since 1965.

William F. Slade (April 18 at 70), cook in Houston Hall from 1951 until 1971.

Dr. Frantisek Sokol (May 25 at 49), Associate Member of the Wistar Institute and Associate Professor of Biochemistry. A native of Czechoslovakia, he joined the Wistar staff in 1966 after 13 years as a researcher at the Institute of Virology of the Czechoslovak Academy of Sciences in Bratislava. Dr. Sokol received many honors for his work, which included the identification of the structures of encephalitis viruses and influenza and respiratory viruses. He was also studying viruses associated with cancer and infectious diseases.
### SUMMARY OF THE BUDGET, 1974-75

<table>
<thead>
<tr>
<th>INSTRUCTIONAL</th>
<th>ORGANIZED ACT.</th>
<th>SPONSORED RES.</th>
<th>TOTALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIRECT REVENUE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuition</td>
<td>48,493</td>
<td>601</td>
<td>48,493</td>
</tr>
<tr>
<td>Special fees</td>
<td>645</td>
<td></td>
<td>645</td>
</tr>
<tr>
<td>Scholarship income</td>
<td>3,771</td>
<td></td>
<td>3,771</td>
</tr>
<tr>
<td>Investment income</td>
<td>1,300</td>
<td>2,629</td>
<td>1,150</td>
</tr>
<tr>
<td>Gifts &amp; grants (direct):</td>
<td>1,185</td>
<td></td>
<td>1,185</td>
</tr>
<tr>
<td>Private</td>
<td>525</td>
<td>145</td>
<td>4,740</td>
</tr>
<tr>
<td>Federal</td>
<td>11,224</td>
<td></td>
<td>31,165</td>
</tr>
<tr>
<td>State</td>
<td>129</td>
<td>5</td>
<td>102</td>
</tr>
<tr>
<td>Indirect cost recovery</td>
<td>393</td>
<td>8,295</td>
<td>8,688</td>
</tr>
<tr>
<td>Total direct revenue</td>
<td><strong>51,698</strong></td>
<td>24,466</td>
<td><strong>76,164</strong></td>
</tr>
<tr>
<td>Allocation from General Income</td>
<td>31,111</td>
<td></td>
<td>31,111</td>
</tr>
<tr>
<td>Total funds available</td>
<td><strong>82,809</strong></td>
<td>24,466</td>
<td><strong>107,275</strong></td>
</tr>
</tbody>
</table>

**DIRECT EXPENDITURES**

| S & W Administrative | 2,702 | 440 | 957 | 1,922 | 2,239 | 3,659 | 4,601 | 8,260 |
| Academic             | 25,765 | 11,446 | 27 | 4,088 | 11,843 | 25,792 | 27,379 | 52,179 |
| Clerical & technical Service | 4,056 | 1,325 | 1,071 | 28,839 | 12,238 | 85 | 5,127 | 5,657 | 7,402 |
| Total S & W          | 32,914 | 13,640 | 2,499 | 39,759 | 22,271 | 35,413 | 75,670 | 111,083 |
| Employee benefits   | 6,275 | 2,515 | 344 | 1,453 | 594 | 2,047 |
| Current expense      | 2,059 | 3,972 | 1,589 | 23,931 | 9,497 | 3,648 | 37,400 | 41,048 |
| Equipment            | 223 | 4,258 | 2,222 | 9,270 |
| Total direct expenditures | **51,200** | 24,466 | 4,436 | **70,021** | **37,956** | 62,754 | **132,443** | **188,079** |

**INDIRECT EXPENDITURES**

| Student services | 4,305 | 4,771 | 987 | 1,453 | 594 | 2,047 |
| Libraries         | 477 | 5,477 | 808 | 5,808 | 404 | 6,212 |
| O & M             | 10,700 (2,843) | 7,857 | 7,857 |
| Auxiliary enterprises | 15,622 | 15,837 | 25 | 1,431 | 1,671 |
| General administration | 118 | 5,962 | 889 | 6,734 | 486 | 7,220 |
| General expense   | 1,999 | 11,136 | 133 | 9,270 |
| Space allocation (Responsibility Centers) | 4,202 | 4,202 |
| Total indirect expenditures | **22,521** | 53,583 | 31,362 | 7,117 | 38,479 |

**RESPONSIBILITY CENTERS’ BUDGETS 1974-75**

| Allinved Medical Professions | 1,002 | 190 | 884 | 308 |
| College & College for Women | 22,888 | 8,239 | 22,198 | 8,929 |
| Nursing                       | 2,097 | 187 | 1,980 | 346 |
| Wharton                      | 19,744 | 2,671 | 17,220 | 5,195 |
| Engineering                   | 7,154 | 1,967 | 7,005 | 2,116 |
| Annenberg                    | 1,018 | 503 | 982 | 539 |
| HUP                           | 45,116 | 1,268 | 45,116 | 1,268 |
| Graduate Hospital            | 15,965 | 463 | 16,215 | 463 |
| Intercollegiate Athletics    | 795 | 1,585 | 1,820 | 500 |
| Museum                        | 783 | 1,172 | 1,340 | 615 |
| Graduate Arts & Sciences     | 3,037 | 1,456 | 3,831 | 692 |
| Education                     | 2,389 | 775 | 2,204 | 770 |
| Fine Arts                     | 2,886 | 1,224 | 2,917 | 1,193 |
| Social Work                   | 1,469 | 402 | 1,410 | 461 |
| Annenberg Center              | 1,120 | 443 | 1,140 | 423 |
| Dental Medicine               | 7,675 | 1,567 | 7,675 | 2,155 |
| Medicine                      | 45,367 | 4,382 | 41,744 | 8,005 |
| Law                           | 2,568 | 1,113 | 2,450 | 1,231 |
| Veterinary Medicine           | 8,018 | 2,571 | 8,345 | 2,154 |
| College General Studies       | 1,514 | 144 | 1,391 | 539 |
| Evening                       | 602 | 50 | 552 | 192 |
| Summer                        | 1,800 | 753 | 1,047 | 385 |
| Total                         | 194,947 | 31,361 | 188,079 | 38,479 |
| Allocation from General Income | 31,111 | 31,111 |
| Uncovered deficit             | 250 | 250 |
| Projected deficit             | 1,900 | 1,900 |

On June 13, the University administration presented to the Trustees the figures above and at right, showing a projected deficit of $500,000 in the budget for 1974-75. (All figures are shown in thousands.)

As of June 30, 1973, the University held an accumulated deficit of approximately $4 million. Results of operations in 1973-74 are being determined now, and will be reported in the fall.

ALMANAC July 1974
The Performing Arts at Penn

In the Fall of 1973 the President and the Provost established at the University a Council on the Performing Arts. Its function was primarily to maintain an overview of the performing arts on the campus and to advise on both extracurricular and academic activities. Since its inception, this Council has seen as its first task the gathering of information in any way pertinent to the performing arts on campus, their needs, programs, problems, and the directions in which they are moving.

With this in mind, we began our activities by drawing up an inventory of activities and facilities, and this in turn served as a basis for the work of four subcommittees—on curriculum (Professor Roger Walmsley, chairman), on programs (Professor Enoch Brater, chairman), on the University community (James Kearney, chairman), and on facilities (Professor Eugene Narmour, chairman). Our interim report is based on the findings and recommendations of these subcommittees.

This interim report seeks to place the results of our investigations within the context of the University's mission as a liberal arts institution, and it is in this spirit that we have conducted our discussions.

—The Council on The Performing Arts, March 1974

THE PRESENT SITUATION

We have found that in many respects the performing arts are flourishing at Pennsylvania, and are sponsored, supported, taught, and discussed by an amazing variety of groups across the campus. There are nearly thirty extracurricular undergraduate groups and sponsors involved in the performing arts. Professional performers are brought to the University not only by the Annenberg Center, the Music Department, and the Penn Union Council, but also by the Wharton School and other sponsors. All of these activities are in active and generally fruitful competition with the innumerable films and film festivals to be seen any night on campus.

There are numerous accredited activities involving the performing arts. Courses in dance and theatre are now an accepted part of the curriculum approved by the College or the College for Women, and musical performance features in certain of the offerings of the Music Department. An M.B.A. program in the management of the arts was inaugurated in the Wharton School. Deans Stephens and Gerbner are now establishing a Committee on Theatre to oversee the creation of a liberal arts curriculum in theatre.

Given such range and intensity of activity, it hardly seems necessary to remind the University community of the intellectual, social, and artistic value of the performing arts. The university is a proper setting for such activities. Indeed, we look to universities to provide leadership and the freedom to experiment in this area.

CURRICULUM

We have abstracted information from school catalogs about programs in theatre arts at a number of universities and liberal arts colleges. Although the sample is small, it seems safe to say that performing arts are a common feature of liberal arts education today. Furthermore, the absence of any statements of educational philosophy, whether of a defensive character or otherwise, suggests that the question of the appropriateness of the performing arts in a liberal arts degree program has, for all practical purposes, been settled. In general, their case needs no special pleading.

Questions of educational policy are another matter. On the question of credit for playing a musical instrument, for example, Harvard gives none whereas Swarthmore grants such credit up to a limit. In general, programs at other institutions have a large preponderance of cognitive work and a small amount of performance or aesthetic training. The relation of performance activity to standard course work varies from being completely independent to being closely linked (e.g., credit given only if some specified cognitive course is completed satisfactorily). In some cases a program may require performance activity but not grant academic credit for it.

We will turn now to the situation at Pennsylvania. Although there is a studio art major in the College and College for Women, there is no performing arts programs for undergraduates. In recent years, however, a number of courses have been offered for academic credit toward the B.A. degree which involve performance (e.g., Music 60 (Orchestral Repertory) and 160 (The Re-Creative Process in Music), CTS ET 2 (Directing) and 3 (The Crafts of Theatre), Theatre Lab, and a variety of courses in dance). It is clear, then, that performance for credit toward the B.A. degree is not, of itself, an issue. The College Committee on Instruction has responded in the past, and presumably will continue in the future to respond, to proposals for such credit on their merits. Just what constitutes adequate or inadequate merit is not likely to be stated explicitly, inasmuch as the College faculty has declined in the past to commit itself to such public statements.

In summary then, the College and College for Women faculty have already committed themselves to grant credit toward the B.A. degree for performance in the arts, but remain open on the question of how this may be done. We would characterize this stance as flexible, but cautious.
While it is obviously a matter for the faculties to decide, we would like to suggest some procedures whereby undergraduate courses and programs in the performing arts would be implemented. Where a performing art may be subsumed naturally under an existing academic unit, such as the Department of Music, the regular procedures for approval of courses and programs should be followed. Where this is not possible, a special committee should be appointed jointly by the deans of the schools whose students, faculty, and facilities are involved. The committee and its chairman should originate proposals to meet the needs of the program as they envisage it. This should include courses, major programs, and the identification of physical facilities, supporting staff, and faculty required. Commitments for facilities, staff, and faculty should be reached by direct negotiation between the committee and the deans. Proposals for courses and programs should be submitted to the various committees on instruction only after the needed commitments for support are reasonably well in hand. The reason for this is that the College faculty is not likely to give serious consideration to a proposal which appears impractical or lacking in support. We suggest that such proposals be sent to the Council on the Performing Arts as well, in order that it may advise the administration about particular proposals within the larger context of the performing arts at the University.

In line with the above remarks, the Council is pleased that the decision has been made to set up a Theatre Committee appointed by Deans Stephens and Gerbner, to work towards the establishment of a major in theatre. In general, the Council wishes to lend its support to programs making available to students academic training in the performing arts by highly-qualified instructors within the context of a liberal education—as distinct from the training of professional performers, which traditionally has not been a part of our mission as a university.

PROGRAMS

The Council’s survey of activities and groups involved in the performing arts at Pennsylvania indicates that interest in the performing arts runs high at the University. Many activities, from the Marching Band to the Arts Project in Harnwell House, are tied to existing extracurricular or academic programs. Others, among them a number of dramatic groups, function essentially independently.

Performing arts groups at the University now function without a central planning office. A central coordinating mechanism, modest in conception and authority, to assist (but not direct) the usage of facilities, the availability of talent, and the coordination of events would resolve many of the current dissatisfaction with present space-booking arrangements. We also suggest that calendars of events have greater circulation than at present, especially to faculty members.

There is a need for the strengthening of public relations services to alert prospective students, the campus, and the community at large to the multiplicity of performing arts opportunities and events at the University. Special attention should be given to informing new students and new faculty members, and efforts to recruit talented students to the University should receive encouragement.

The Council has given some attention to the question of cooperation with other institutions. Opportunities for curricular cooperation do not seem great at the moment, but student activities might be encouraged to reach their counterparts at other schools, perhaps through exchange performance programs, and also through performance festivals. The Bicentennial presents special opportunities for such cooperation, and the Council is in favor of launching a vigorous program of activities in the performing arts in connection with the Bicentennial. They should include not only performance but perhaps commissions as well.

THE UNIVERSITY COMMUNITY

One of the tasks assigned to the Council was the provision of advice on the needs, priorities and make-up of the various constituencies on the campus. So far, we have gathered only very provisional data on this subject, and we hope to embark on a more extensive survey shortly. This will include the analysis of box-office statistics, audience surveys, and questionnaires.

FACILITIES

The Council has carried out an extensive survey of the existing facilities for the performing arts. We feel that the Annenberg Center, as potentially the University’s single most valuable educational asset in the performing arts, should be available to students as much as possible both as audience and as participants. The Annenberg Center is the natural base of operations for curricular activities in theatre and it should be a major feature in attracting future students to the University. Professional theatre is well served by the Annenberg Center, and its director and staff deserve the highest praise for the impressive program of events taking place in the Center during the current academic year. However, student needs are less well served, and there is a need for more coordination between professional activities and student activities at the Center. Such coordination might include faculty affiliation for qualified staff members as the curricular program in theatre develops.

Despite the impressive involvement of students and faculty in drama, the members of the University community involved in some way in the performance of music are more numerous. The need for formal concerts is well served by the Music Department despite the lack of an adequate facility. While good but scattered facilities exist for informal chamber music, popular music, and dance, rehearsal and practice for all the arts (including theatre) is seriously hampered by lack of adequate space. The development of rehearsal space for theatre, perhaps by improving and renovating existing facilities, should be a major priority. But more important still is the provision of a first-class practice and performance facility on the campus for music. The Annenberg Center, while it schedules occasional musical events, is unsuited acoustically for musical performance, and its schedule is so crowded and its rehearsal space is so cramped that it cannot house musical activities adequately.

FUTURE DIRECTION OF THE COUNCIL

The work of the past few months has given the Council an opportunity to define its objectives and set its priorities with greater clarity. We anticipate that our future deliberations will include the following:

1. Monitoring of the efforts to expand curricular activities in the performing arts, and the provision of advice where needed.
2. The carrying out of a survey on the University community.
3. A continuing study of problems and priorities related to facilities, especially problems of scheduling and priorities, and the provision of adequate facilities for musical performance and practice.
4. Continued interest in such discrete questions as the participation of the University in the Bicentennial festivities, cooperation with other institutions, the relation of our performing arts to those of the Philadelphia area, etc.
5. A study of the resources, priorities, and interests in film on the campus, including its curricular role.
6. Efforts to increase the visibility and strengthen the resource base of the University’s various activities in the performing arts.

We have received excellent cooperation and support from all sections of the University community, especially those involved with activities in the performing arts, and wish to record both our appreciation and our conviction that the University’s impressive efforts in the performing arts merit the continued support of all concerned.

ALMANAC July 1974
GRANTS

SPONSORED RESEARCH

A Summary of Contracts and Grants for Research and Related Activities Received by Faculty Members during March 1974.


LABOR: H. Northrup (Mgt.) “Manpower Administration Minority Representation in Skilled Construction Trades” $203,866.

NATIONAL INSTITUTE OF HEALTH: C. Brighton (Orthoped. Res.) “Epiphyseal Plate Growth” $25,000...J. Brobeck (Physiol.) “Graduate Training Program in Physiology” $70,126.

D. Kuil (Radiol./Med.) “Quantitative Section Scanning in Brain Tumor” $7,844.

S. Harris (Dent.) “Training to D.M.D., Ph.D. and a Clinical Goodgal (Microbiol./Med.) “Studies on Transformation in Hemophilus” $9,303.

N. Gonatas (Pathol.) “Neurological Bases of Feeding and Drinking” $16,148.

I. Ferguson (Anat.) “Mictophotometric Studies on Retinal Rods and Cones” $6,000.

D. Wilson (Pathol./Med.) “Immunology” $28,483.

H. Woilman (Anes.) “Anesthesiology” $38,357.


A. Fishman (Med.) “Cardiopulmonary” $28,871.


TREASURY: L. Klein (Econ.) “Project Link Reconfiguration” $20,000.

PRIVATE FOUNDATIONS, RESEARCH ORGANIZATIONS AND ASSOCIATIONS AND INDUSTRY:

AMERICAN DENTAL ASSOCIATION: R. Jones (Hith. Care Syst.) “Dental Planning Information System” $246,454.


MORGAN STATE COLLEGE: J. Emery (Mgt.) “Management of Computer Systems in the Navy” $65,000.

J. Emery (Mgt.) “Management of Computer Systems in the Navy” $65,000.


RECTOR (Off. of Prov., Morgan-Penn Proj.) “Strengthening Developing Institutions” $13,548.


J. Bryan (Biol.) “Biotechnology and Genetics of Microtubule Subunits” $20,000.

M. Cow (Chem.) “Chemistry of Condensed Cyclobutane Aromatic Compounds and of Non-classical Sulfur Heterocycles” $52,000.

P. Foy (Math.) “Research in Categorical Algebra” $9,300.


O. Goldman (Math.) “Research in Algebra” $15,600.

W. Holler and K. Shell (Econ.) “Endogeneous Theory of Optimal Taxation and Markets” $75,300.

H. Wilf (Math.) “Studies in Combinatorial Analysis” $11,800.

NAVY: J. Emery (Mgt.) “Management of Computer Systems in the Navy” $65,000...H. Northrup (Mgt.) “Upgrading and Mobility of Minorities in the Navy and Marine Corps” $58,911.

J. Zemel (Elect. Engr.) “A Nondestructive Means of Studying Oxide Charge Distribution in IGFET Structures” $10,000.
FROM THE FACULTY AFFAIRS COMMITTEE
SUBCOMMITTEE ON GRANTS & AWARDS

Subcommittee chairman Maria Z. Brooks reports that her subcommittee received 91 proposals requesting support in the amount of $161,809. While the University maintained its appropriation for support of faculty summer projects at $30,000, the Provost, responding to the urgent request of the subcommittee chairman, added $10,000 from his budget to increase the University funds available for this purpose to $40,000. The Office of Research Administration was informedly advised by NSF that funds for institutional grants were not included in this year’s budget and therefore we should not anticipate an NSF institutional grant this year. There was a carry-over balance from last year’s grant of $4,590, which, added to the University funds, gave the subcommittee $44,536 for this year’s awards.

The table below shows a financial summary of applications and awards:

| Funds Available | $40,443.27|
| University | $4,072.96|
| Total funds available | $44,546.23|

| Applications (91) | |
| Fellowships (71) | $12,500|
| Grants-in-aid (53) | $5,309|
| Total applications | $161,809|

| Awards | |
| Summer fellowships (24) | $36,000|
| Grants-in-aid (13) | $8,146|
| Total awards | $44,146|

Engr. “Rheology of Pulmonary Secretions” $34,692 ... F. Frankel (Microbiol.) “Replication of the DNA of T-Even Bacteriophages” $58,248 ... D. Gasser (Med. Gen.) “Genetic Control of the Immune Response” $46,658 ... G. Gerstein (Physiol./Med.) “Studies of Interaction between Neurons” $51,459 ... M. Goldberg (Med.) “Renal Physiology and Renal Disease” $10,939 ... J. Gots (Microbiol./Med.) “Biosynthesis of Proteins” $61,974 ... M. Hess (Pharm./Med.) “Role of Calcium and Thrombin in Heart Function” $45,922 ... S. Inoue (Biophys.) “Studies of Submicroscopic Structure of Living Cells” $151,272 ... M. Kare (Monnell) “Neurosensoric Sciences” $4,933 ... F. Kurosh (Microbiol./Med.) “Allergy and Immunology Training Grant” $30,666 ... A. Klein (Pharm./Med.) “Active Sugar Transport in Renal Cells” $29,962 ... N. Kliman (Microbiol./Med.) “Studies of the Immune Response to a Hapten in Vitro” $23,500 ... A. Konner (Hist. Care Sys.) “Graduate Program in Health Care Administration” $77,797 ... D. Kitchevsky (Surg.) “Acid and Alkaline Lipases in Aortas of Various Species” $17,279 ... D. Kronfeld (Clin. Stud./Vet.) “Placental Transport and Perinatal Disorders” $48,858 ... W. Lawrence (Pathobiol.) “Herpes Virus Replication in Synchronized Cell Cultures” $13,137 ... H. Lief (Psychiatry) “Psychiatry: Continuing Education” $23,582 ... Monograph Covering National Conference on Sex Education in Medicine” $10,000 ... O. Muller (Monell) “Taste Sensitivity in the Infant” $34,748 ... R. Marshak (Clin. Stud./Vet.) “Multidisciplinary Training in Cancer Research” $4,251; “Comparative Leukemia Studies Unit” $300,832 ... Comparative Leukemia Studies Unit” $12,015 ... L. Mela (Surg.) “Stress-Induced Metabolic Changes at Subcellular Level” $30,200 ... W. Mollman (Med. Sch.) “Human Genetics Center” $63,377 ... A. Miller (SocMed.) “Graduate Training Program in Demography” $3,216 ... W. Miller (Surg.) “Stress and Renal Hormones and Kidney Preservation” $60,984 ... J. Murphy (Surg.) “Training for Academic Urology” $9,936 ... P. Nowell (Pathol./Med.) “Training in Experimental Pathology Related to Cancer” $42,348 ... M. Reichgott (Med.) “Vasoactive Agents as Mediators of Endotoxin Shock” $42,267 ... R. Rutman (Ani. Biol.) “Mechanism of Action of Alkylating Agents” $114,710 ... J. Singer (Med.) “Renal Ion Transport Fixed-Charge Membrane Model” $72,570 ... G. Solomon (Pathobiol.) “Formation of Granulomas by a Parasite” $26,036 ... E. Soudah (Pathobiol.) “Parasitology and Medical Entomology” $28,649 ... J. Sprague (Anat.) “Anatomical Sciences” $34,711 ... E. Stellar (Inst. Neurol. Sci.) “Neurological Sciences” $13,759 ... J. Szewd (Folk.) “A Program for Medical Culture Studies” $2,985 ... R. Utiger (Med.) “Endocrinology and Metabolism” $12,061 ... H. Wallace (Surg.) “Surgery with Assisted and Toxins” $54,685 ... Surv. “Liquid Membrane Blood Oxygenation” $170,688 ... A. Winegrad (Med.) “Diabetes Training Grant” $10,751 ... M. Yanoff (Ophthal.) “Ophthalmic Training” $4,231.

NATIONAL SCIENCE FOUNDATION: C. Bright (Orthoped. Res.) “Stress-Generated Electrical Potentials in Bone: Origin and Physiological Significance” $58,350 ... L. Flecker (Anat.) “Role of Neurotransmitters in Metabolism” $58,000 ... G. Gerstein (Ling.) “Materials Research Program” $1,500,000 ... I. Hobstetter (Nat. Pow. Ctr.) “Energy Conversion and Power” $93,400 ... R. Hochstrasser (Chem.) “Ultrafast Spectroscopy and Other Applications of Lasers in Chemistry” $63,600 ... J. Kizdan and F. Warner (Math.) “Applications of Differential Equations to Differential Geometry” $10,000 ... E. Korostoff (Mat. and Sci.) “Stress-Generated Electrical Potentials in Bone: Origin and Physiological Significance” $61,650 ... T. Oishi (Johnson Fdn./Biophys.) “Functional Role of Ironsulphur Proteins in Mitochondrial Electron Transfer and Energy Conservation” $22,000 ... J. Rickford (Ling.) “Structure of Linguistic Variations in a Creole Spoken in Guyana” $4,000 ... R. R. Rickford (Ling.) “Genetics Reproduction and Development in Birds” $45,600 ... S. Sakai (Math.) “Operator Algebra” $10,500 ... E. Seifert (Ob./Gyn.) “Prostaglandins in Reproductive Physiology: Role of PGF2 in Parturition in the Rat” $11,960 ... O. Williams (Pol. Sci.) “Changes in the Political Structure of Metropolitan Areas” $5,000 ... D. Wilson and L. Dutton (Johnson Fdn./Biophys.) “Thermodynamics and Kinetics in Biological Energy Transduction” $80,000 ... W. Worrell (Met. and Mat. Sci.) “High Temperature Thermodynamic and Kinetic Investigations” $76,000.


PHILADELPHIA SCHOOL DISTRICT: L. Shoemaker (SSW) “Get Set Day Care Program” $47,530; “Social Group Work Program” $23,000.

PRIVATE FOUNDATIONS, RESEARCH ORGANIZATIONS AND ASSOCIATIONS AND INDUSTRY


Summary: Contract and Grant Awards from July 1, 1973 through April 30, 1974, totaling $26,682,870.

ALMANAC July 1974
If all goes well, the old Quad may again be as good to live in as it is to look at.

Unexpected Pleasures of

Off noisy, teeming Spruce Street Penn keeps a living prototype of what people see in the mind’s eye when they think “college.” The Quadrangle—a sweep of lawns and arches, with broad stairs and stone balustrades, tall towers solemnly dedicated one at a time to somebody who mattered very much at the moment—and still does. It is also a laundromat and billiard parlor, magnolias and mud puddles, and home to a population of streakers, distinguished professors, men, women, and dogs (someone also brought a horse upstairs once in 1897, but the horse only spent the night). Ambulances scream past it, skyscrapers loom over it; the Quad remains serene. Fanciful but not ridiculous, dignified but not pompous, the Quad evokes all that is meant by ivied halls. Go through the wrought iron gates on some spring day; hear a Beethoven quartet waft from one house and blend with the Motown Sound from another to find out how harmonious an Integrated University Life can really be. Festooned with the Red and Blue or just with scribbled bed sheets, the Quad generates its own unself-conscious charm. It’s Alma Mater.

Built on an old playing field (the Athletic Association got Franklin Field as consolation prize), the Quad has since 1896 witnessed rites de passage little changed since the days of Chaucer’s Clerk, from freshman trepidation to upperclass swagger (expressed at Penn normally through some public act, such as the Night Shirt Parade that gave way to the Rowbottom that gave way to the Demonstration that gave way to the Streak. Is it any wonder that the high point for Alumni Day is lining up under the arches for the Parade of Classes?)

The Quad has not only tradition but continuity: some of the Men of ’97 actually lived to see the women of ’74 move into the sacred quarters. In their diaries and yearbooks, Men of Pennsylvania seemed to find it obligatory to vent some cynicism about Quad life. On the roommate situation: “When one fellow has got two days to cram before exams, the other wants to raise Cain.” On the dining commons (or Hash Foundry): “We felt born with a silver spoon in our mouths, but it proved to be plate.” From
Their narrow rooms, where you can "reach from your pillow to the library on one side and the boudoir on the other," Quad dwellers tend to also to Organize Things; the spirit of Lalla-Poo-Loosa club surely lives on in this year's Society for the Preservation of Gargoyles. In the Quad's first year, the '97 Record concluded that the new dorms foster the spirit "which begins the University life of Pennsylvania." Seventy-eight years later, the University Development Commission and a succession of task forces have confirmed the earlier judgment by urging preservation. And not an eon too soon. Such Quad devotees as Russell Fulton, the assistant director and historian there, have lamented the "years of decay and neglect" that might turn the Quad into West Philadelphia's most picturesque ruin. Though parts of the houses have been renovated, the complex needs everything from a modern electrical system to replastering. Now plans for financing these basic repairs are being made. Yet preservation of the Quad's character means more than a common facelift. During a year of study, a task force headed by Margo Marshall, director of residential programs, and Professor Morris Mendleson has considered how best to use Penn's own green and pleasant land. This month, the New York City architectural firm of Davis, Brodie and Associates presented plans for a renovation of the 39 buildings as seven college houses, each accommodating a faculty housemaster and from 150 to 250 students. The plans would greatly extend the house-project idea begun in 1968 in the Quad and in newer dorms, whose success with both students and faculty reaffirms the spirit of what, in Mrs. Marshall's words, "the Quad was meant to be." Provost Emeritus David Goddard and his wife, Dr. Katherine Goddard, have shown by their mastership of Community House that the house idea fits naturally into the old Quad even in its present condition. And the '97 Record speaks for it: "In plenty and privation, in common sympathies and a common life, the Dormitories have laid the sound foundation of good-fellowship."

Age cannot whither her, nor Superblock stale her infinite variety.
The following APPOINTMENTS and PROMOTIONS are based on Trustees' actions completed November 9, 1973, through May 31, 1974. They reflect personnel actions that cleared the Provost's Staff Conference through the end of May. Other items for 1973-74 appeared in the December 11, 1973, issue.

**APPOINTMENTS**

**COLLEGE OF ARTS AND SCIENCES**

Dr. Michael Adams, Assistant Professor of English; B.A., M.A., Ph.D., assistant professor, University of Texas.

Dr. Stuart A. Carrow, Assistant Professor of Anthropology; B.A., University of Denver; M.A., Ph.D., University of Wisconsin; teaching assistant, Wisconsin.

Dr. Lee V. Cassinelli, Assistant Professor of History; graduate of Boston College; Ph.D., University of Wisconsin; lecturer, African history, Harvard, 1973-74.

Dr. David L. Catron, Assistant Professor of Romance Languages; B.A., University of Michigan; M.A., Middlebury; Ph.D., Michigan; assistant professor, Purdue, since 1972.

Dr. Stuart C. Curran, Professor of English; B.A., M.A., University of Michigan; Ph.D., Harvard; taught at University of Wisconsin, 1967-74.

Dr. Robert C. DeLuna, Professor of English, Avalon Foundation Professor in the Humanities; A.B., A.M., Boston College; Ph.D., University of Wisconsin; taught at University of Texas, 1960-74.

Dr. David H. Friedman, Assistant Professor of Art History; graduate of Brandeis (cum laude); Ph.D., Harvard.

Dr. Harry W. Haislip, Assistant Professor of Physics; graduate of Haverford; Ph.D., Stanford; associate physicist, Brookhaven National Laboratory, since 1971.

Dr. Theodore Hershberg, Assistant Professor of History; graduate of University of Illinois; M.A., Ph.D., Stanford.

Dr. Hermann W. Pfefferkorn, Assistant Professor of Geology; M.Sc., Ph.D., University of Minnesota; postdoctoral fellow, University of Illinois, 1968-69; assistant geologist, Illinois State Geological Society, 1969-71; research associate, geology, University of Minnesota, 1971-73.

Dr. Eric D. Sigia, Assistant Professor of Physics; A.B. (summa cum laude), A.M., Ph.D., Harvard; junior fellow, Society of Fellows, Harvard, since 1972.

Dr. Michael Sinensky, Assistant Professor of Chemistry; graduate of Columbia; Ph.D., Harvard; junior fellow, Harvard, since 1972.

Dr. Larry G. Sneddon, Assistant Professor of Chemistry; graduate of Centenary College of Louisiana; Ph.D., Indiana University; instructor, University of Virginia, 1971-73; postdoctoral fellow, MIT, since 1973.

Dr. Robert F. Stock, Assistant Professor of English; graduate of University of Louisville; Ph.D., UCLA.

Dr. Margaret T. Troupin, Assistant Professor of Russian Literature; graduate of Barnard; M.A., Ph.D., Harvard.

PARTIALLY AFFILIATED: Dr. James E. Davis, Adjunct Associate Professor of Chemistry; to be partially affiliated for the duration of his appointment as executive assistant to the Provost.

Dr. Herbert Friedman, professor of physics, University of Maryland; Adjunct Professor of Astronomy. Dr. Robert Lumiansky, Adjunct Professor of English.

Dr. Oscar Marin, associate professor of neurology, Thomas Jefferson University; Visiting Professor of Psychology.

Dr. Ezekiel Mphahlele, former director, African Programme for Congress for Cultural Freedom in Paris and Kenya; associate professor, University of Denver, since 1970; Visiting Professor of English.

Dr. Sally M. Ryan, psychologist; Office of Child Development, HGW; Visiting Assistant Professor of Psychology, spring, 1974.

**COLLEGE OF ENGINEERING AND APPLIED SCIENCE**

Dr. Robert Chia-Hua Chen, Assistant Professor of Electrical Engineering, Moore School; graduate (cum laude), Rensselaer Polytechnic Institute; S.M., MIT; Ph.D., Carnegie-Mellon.

John Kohl, Professor of Civil Engineering and Lecturer in the 1907 Transportation Planning Program; graduate of University of Michigan, (1929); professor of civil engineering, University of Michigan, 1946-66; Assistant Administrator, HUD, 1961-66; executive vice president, American Transit Association, 1966; executive secretary, National Research Council, 1966-68; senior associate, Wilbur Smith and Associates, 1968-70; Commissioner, New Jersey Department of Transportation, 1970-present.

Dr. Max Mintz, Assistant Professor of Systems Engineering; B.E.E., M.S., Ph.D., Cornell; lecturer, assistant professor, Yale, 1968-72; visiting assistant professor, University of Illinois, since 1972.

PARTIALLY AFFILIATED: Dr. Ralph Jaeger, former supervisor and department head, technical staff, Bell Telephone Labs; Adjunct Professor of Electrical Engineering and Science.

SECONDARY APPOINTMENTS: Dr. Jan Baum (Assistant Professor of Medicine) Assistant Professor of Bioengineering... Dr. Steven L. Battenman (Associate Professor of Mechanical Engineering and Applied Mechanics) Associate Professor of Bioengineering... Dr. Peter Bloch (Associate Professor of Radiological Physics/Med.) Associate Professor of Bioengineering. Dr. Arthur B. Dubois (Professor of Physiology/Med.) Professor of Bioengineering. Dr. James Emery (Professor of Management) Professor of Computer and Information Sciences. Dr. David Gerfin (Associate Professor of Computer and Information Sciences) Associate Professor of Systems Engineering and of Bioengineering. Dr. David Graves (Assistant Professor of Chemical and Biochemical Engineering) Assistant Professor of Bioengineering. Dr. John A. Quinna (Professor of Chemical and Biochemical Engineering) Professor of Bioengineering. Dr. Arthur E. Humphrey (Professor of Chemical and Biochemical Engineering) Professor of Bioengineering. Dr. Fred Ketten (Associate Professor of Electrical Engineering) Associate Professor of Bioengineering. Dr. Edward Korostoff (Associate Professor of Biomedical Engineering) Associate Professor of Bioengineering. Dr. Harshambo Kritikos (Associate Professor of Electrical Engineering) Associate Professor of Bioengineering. Dr. Mitchell Litt (Professor of Chemical and Biochemical Engineering) Professor of Bioengineering. Dr. Howard L. Morgan (Associate Professor of Management) Associate Professor of Computer and Information Sciences. Dr. Solomon R. Pollack (Associate Professor of Materials Science) Associate Professor of Bioengineering. Dr. Herbert Proctor (Professor of Chemical Engineering) Assistant Professor of Bioengineering. Dr. John A. Quinna (Professor of Chemical and Biochemical Engineering) Professor of Bioengineering. Dr. R. Reid Warren (Professor of Electrical Engineering and Science) Professor of Bioengineering. Dr. C.N. Weygandt (Professor of Systems Engineering) Professor of Bioengineering.

**GRADUATE SCHOOL OF ARTS AND SCIENCES**

Dr. Peter Gareffke, Professor of Modern Indian Literature. South Asia Regional Studies; M.A., Ph.D., (cum laude), (1951), University of Maine; research scholar, University of Calcutta, 1952-55; Ministry of Education, State of Rheinland-Pfalz, 1955-62; research fellow, German Association for Pure Researches, 1962-64; taught at University of Utrecht, 1964-72; visiting professor, German Association for Pure Researches, 1962-64; taught at University of Utrecht, 1964-72; visiting professor, Penn, since 1972.

Dr. Wilhelm Hallschiss, Associate Professor of Indian Philosophy, South Asia Regional Studies, joint appointment in Oriental Studies; Ph.D., University of Gottingen; taught at Gottingen, 1966-70; taught at Brock University, 1970-74; visiting lecturer, Penn, since 1973.

Dr. Stanley Nash, Assistant Professor of Hebrew; B.A., Ph.D., Columbia; taught at Jewish Theological Seminary, 1961-63; assistant professor, Queens College, 1971-72; assistant professor, Cornell, since 1972.

PARTIALLY AFFILIATED: Dr. Yuan E. Chou, lecturer since 1972 at Hebrew University; Visiting Assistant Professor of History and Sociology of Science (spring).

Dr. S. Keith Hopkins, head of sociology, Brunei University; Visiting Professor of Ancient History (spring).

**GRADUATE SCHOOL OF EDUCATION**

PARTIALLY AFFILIATED: Dr. Robert Mathai, director, Academy of Natural Science; Adjunct Assistant Professor of Education.

Dr. Claude W. Mayberry, associate dean of students; Adjunct Associate Professor of Education.

**GRADUATE SCHOOL OF FINE ARTS**

PARTIALLY AFFILIATED: Dr. R. Buckminster Fuller, World Fellow in Residence, University City Science Center; Adjunct Professor of Architecture and Design Science, Department of Architecture.

**LAW SCHOOL**

Gerald E. Frug, Associate Professor of Law; graduate of University of California; L.L.B., Harvard; clerkship, Supreme Court of California;

Henry Hansmann, Assistant Professor of Law; graduate of Brown (magna cum laude); student, Yale Law School, 1967-68; 1971-74.

Ralph R. Smith, Assistant Professor of Law; graduate of Loyola; J.D., UCLA; L.L.M., Harvard.

PARTIALLY AFFILIATED: Dr. Friedrich Kubler, professor of law, University of Konstanz (Germany); Visiting Professor of Law, spring term, 1975. Peter W. Low, associate dean and professor of law, University of Virginia; Visiting Professor of Law, A. Dan Tarlock, professor of law, University of Indiana; Visiting Professor of Law. Akin C. Warren Jr., associate professor of law, University of Connecticut; Visiting Associate Professor of Law.

SECONDARY APPOINTMENT: Dr. Oliver E. Williamson (Professor of Economics) Professor of Economics and Law.

SCHOOL OF MEDICINE

Dr. Nasim Akhtar, *Assistant Professor of Medicine; graduate of Notre Dame College, Dacca (Pakistan); M.B., B.S., King Edward Medical College, Lahore; internship, Crozer-Chester (Pa.) Medical Center; residency, fellow in cardiology, Graduate Hospital; fellow in cardiology, Baylor; clinical associate, V.A. Hospital, Washington, D.C., 1972-73.

Dr. Arthur K. Asbury, Professor of Neurology and chairman of the department; graduate of University of Kentucky; M.D., University of Cincinnati; internship (medical), assistant residencies (medical, neurology, neuropathology), Massachusetts General Hospital; teaching fellow instructor, associate, Harvard Medical School, 1961-69; research and clinical fellowships, neuropathology, Harvard and Massachusetts General; 1963-65; associate, associate neurologist, Massachusetts General, 1967-69; associate in pathology, Beth Israel Hospital (Boston), 1966-69; associate professor, vice chairman, neurology department, UC School of Medicine (San Francisco), 1969-73; chief of service, V.A. Hospital, San Francisco); 1969-74; associate professor, pathology, UCSF 1970-73; professor, 1973-74.

Dr. Paul C. Atkins, Assistant Professor of Medicine; M.D., New York University Medical College; internship, Beth Israel Hospital; residency, Metropolitan Hospital; fellow (medicine) Penn; allergist, Madigan Army Medical Center (Tacoma, Wash.), since 1972.

Dr. Gary K. Beauchamp, *Assistant Professor of Psychology, Department of Otorhinolaryngology and Human Communication; graduate of Carleton College; Ph.D., Penn; Danforth Tutor, University of Chicago, 1971; research associate and staff scientist, Monell Center, since 1971.

Dr. A. Michael Brownlee, *Assistant Professor of Anesthesiology; graduate of Western Reserve; M.D., Ohio State; internship, Cleveland Clinic Hospital; residency, Massachusetts General Hospital; clinical instructor, University of Texas, 1971-73.

Dr. James M. Clark, *Assistant Professor of Pharmacology; graduate of Cornell University; Marshall; M.D., Ph.D., Penn; internship, HUP; instructor, pharmacology, Penn, 1964-67; research medical officer, U.S. Air Force, since 1967.

Dr. Robert W. Coleman, *Associate Professor of Medicine, secondary appointment as Associate Professor of Pathology; A.B. (summa cum

laude), M.D. (cum laude), Harvard; internship, Boston City Hospital; residency, Beth Israel Hospital; clinical associate, NIH; assistant resident (medicine), clinical fellow (hematology), research fellow, Washington University, 1964-67; assistant in medicine, Massachusetts General, 1967-71; molecular biology, Cambridge; B.A., M.D., Harvard, 1967-73; assistant physician, Massachusetts General, 1971-73; research associate, MIT, 1971-73.

Dr. Anthony J. DiMarino, *Assistant Professor of Medicine; M.D., internship and residency, Hahnemann; resident and fellow, HUP, since 1972.

Dr. Alfred Gilbert, *Assistant Professor of Human Genetics; graduate of MIT, M.D., Albert Einstein; internship, Barnes Hospital (St. Louis); clinical associate, NIH, 1968-71; fellow, human genetics, Yale, 1971-73.

Dr. Myron D. Ginsberg, *Assistant Professor of Neurology; graduate of Wesleyan; M.D., Harvard; internship and assistant residency, Boston City Hospital; assistant, senior resident, Massachusetts General, 1968-70; staff associate, NINDS, Bethesda, 1970-72; fellow in neuropathology, Harvard, 1972-73.

Dr. Gunter Roland Haase, Professor of Neurology; M.D. (1949) University of Munich; internship, St. Luke's Hospital (Denver); residency, University of Colorado Medical School; clinical associate, neurologist, NINDS, associate professor, University of Oklahoma, 1960-64; chairman and professor, Temple, since 1965.

Dr. Rosa G. Kassaros*, Research Assistant Professor of Microbiology; M.D., University of Sofia (Bulgaria); Institute for Postdoctoral Training (Sofia), 1956-58; scientist, Institute of Epidemiology and Microbiology (Sofia), 1958-63; Institut Pasteur (Paris), 1963-64; head, laboratory of bacterial and bacteriophage genetics, Institute for Research Institute (Sofia), 1964-69; postdoctoral fellow, Penn, since 1970.

Dr. Sanford Levine*, Assistant Professor of Medicine; graduate of Brooklyn College; M.D., University of Vermont; internship, residencies, academic trainee, chief resident, instructor in medicine, University Hospital, Boston; assistant professor, Albany Medical College, 1972-73.

Dr. William H. Lipshutz, Assistant Professor of Medicine; graduate of Swarthmore; M.D., Penn; internship, junior residency, fellowship, senior resident, Pennsylvania Hospital; assistant professor, George Washington University, since 1973.

Dr. Louis D. Lowrey*, Assistant Professor of Otorhinolaryngology and Human Communication; M.B., B.S., University of Missouri; internships, Great Lakes Naval Hospital; residency, University of Chicago; medical officer, U.S. Navy; assistant professor, University of Oklahoma, 1971-73.

Dr. Brij M. Mitruka, Associate Professor of Research Medicine; I. Sc., Dungar College (India); D.V.M., Rajasthan Veterinary College; M.S., Ph.D., research associate, Michigan State University; research associate, Cornell; research associate, assistant professor, Yale medical school, since 1969.

Dr. Vivianne T. Nachmia*, Associate Professor of Anatomy; graduate of Swarthmore; M.A., Radcliffe; M.D., University of Rochester Medical School; NIH postdoctoral fellow, Penn; research associate, Penn, 1961-63; research associate, biology, Haverford, 1965-68; visitor, MRC Unit for Molecular Biology, Cambridge; B.A., research associate, professor, research associate, instructor, biology, Haverford, 1971-73.

Dr. Leonard J. Perlfi*, Assistant Professor of Surgery; B.A., M.D., Penn; internship, PGH; residency, HUP; associate, surgery, HUP, 1971-72; staff, Walter Reed Army Medical Center, since 1972.

Dr. Russell C. Raphaely*, Assistant Professor of Anesthesiology; B.A., University of Connecticut; M.D., New York Medical College; internship, St. Vincent's Hospital; residency, HUP; clinical instructor, University of California, 1966-67; instructor, Penn, since 1968.

Dr. Arnold R. Saslow*, Assistant Professor of Research Medicine; graduate of University of Connecticut; M.P.H., Yale; D.P.H., University of Pennsylvania; instructor, epidemiology, Pittsburgh, 1972-73.

Dr. James C. Saunders*, Assistant Professor of Otorhinolaryngology and Human Communication, secondary appointment in Physiology; graduate of Ohio Wesleyan; M.A.A., Connecticut College; Ph.D., NIH postdoctoral fellow, Princeton; lecturer, assistant professor, psychology, Monash University, Victoria (Australia).

Dr. Javad Towfigh, *Assistant Professor of Pathology; M.D., Tehran Medical School; internship, Methodist Hospital; residencies, St. Joseph's Hospital (Baltimore), Hahnemann; assistant instructor, pathology, special research fellow, neuropathology, Penn, 1966-73.

Dr. Pinayun S. Venkateswaran*, Assistant Professor of Research Medicine; Robert M. G. Grant, B.A.; M.A., Madras University (India); Ph.D., Indian Institute of Science; research associate, SUNY/ Buffalo; senior scientific officer, Indian Institute of Science, 1967-70; research associate, University of Connecticut Health Center, 1970-73.
Dr. Frank A. Welsh*, Assistant Research Professor of Neurosurgery, Department of Surgery, Assistant Professor of Biophysics and Physical Biochemistry, Department of Biophysics and Physical Biochemistry (Johnson Pdn.); graduate of Stanford; Ph.D., Washington University; postdoctoral trainee, American Cancer Society, 1971-73.

PARTIALLY AFFILIATED: Dr. William D. Phillips*, Adjunct Professor of Biophysics . . . Dr. Herman W. Rannels*, Adjunct Professor of Community Medicine . . . Dr. B. D. Nageswar Rao*, associate professor, Indian Institute of Technology, Visiting Associate Professor of Biophysics (fall).

SECONDARY APPOINTMENTS: Dr. Helen Conrad Davies (Associate Professor of Microbiology (change in home department)) Associate Professor of Physical Biochemistry . . . Dr. Jay S. Devore* (Assistant Professor of Anesthesia) Assistant Professor of Pediatrics . . . Dr. Warren John Esbenshade (Professor of Biology) Professor of Human Genetics . . . Dr. D. R. E. Gambetti, [Associate Professor of Pathology (change in home department)] Associate Professor of Neurology . . . Dr. Barbara V. Howard (Assistant Professor of Biochemistry/Dent.) Assistant Professor of Microbiology . . . Dr. Donald F. Patterson (Sheppard Professor of Veterinary Medicine) Professor of Human Genetics . . . Dr. Alan J. Weinsten (Assistant Professor of Medicine) Assistant Professor of Microbiology.

SCHOOL OF ALLIED MEDICAL PROFESSIONS


** Retroactive from July 1, 1972.

SCHOOL OF SOCIAL WORK

SECONDARY APPOINTMENT: Edward V. Sparger (Professor of Law) Professor of Social Welfare.

SCHOOL OF VETERINARY MEDICINE

PARTIALLY AFFILIATED: Dr. Wilbur B. Amand, until this year a trainee in comparative gastroenterology, Cornell; Adjunct Assistant Professor of Zoological Medicine.

SECONDARY APPOINTMENT: Dr. Robert L. Snyder, staff, Penrose Laboratory, Philadelphia Zoological Society; Associate Professor of Pathology, Department of Pathobiology.

WHARTON SCHOOL

Dr. Mark Blitz*, Assistant Professor of Political Science; A.B., Ph.D., Harvard; assistant professor of government, head tutor in government, Harvard, 1970-73.

Dr. Scott A. Boorman, Professor of Public Policy Analysis; B.A., Ph.D., assistant professor, sociology, Harvard.

David Cus, Professor of Economics; graduate of University of Oregon; Ph.D., Stanford; taught at Yale, 1964-70; professor, Carnegie-Mellon, since 1970.

Dr. Willy DeCroo, Associate Professor of Sociology; graduate of Berchmans College (Belgium) M.A., Fordham, Ph.D., Harvard.

Dr. Bruce Fitzgerald, Assistant Professor of Peace Science; B.S., M.S., Georgia Tech; M.A., Ph.D., Duke.

Dr. Frederick Frey, Professor of Political Science and Director, Appalachian Institute for Diplomacy and Foreign Affairs; graduate of Western Reserve (summa cum laude), (1951); Ph.D., Princeton; taught at MIT since 1960.

Dr. James M. Griffin, Associate Professor of Economics; graduate of Southern Methodist University; Ph.D., Penn; economist, Standard Oil, 1970-72; assistant professor, University of Houston, 1972-73; visiting lecturer here, 1973-74.

Dr. Neal Gross, Professor of Sociology and Professor of Education (both in Wharton School).

Dr. Brian Healy*, Assistant Professor of Political Science; B.S.F.S., Georgetown; Ph.D., Cornell.

Dr. Giorgio Inzelt*, Assistant Professor of Management; M.B.A., Ph.D., Northwestern.

Dr. Adil Jobran Kanaan, Assistant Professor of Economics; B.S., University of Maryland; Ph.D., University of California; assistant professor, American University of Beirut, since 1972.

Dr. Henri Loria, Assistant Professor of Finance; M.A., Catholic University of Louvain (France); M.A., Ph.D., Northwestern; visiting assistant professor, University of Toronto, since 1973.

Dr. Janice F. Madden**, Assistant Professor of Regional Science; B.S., University of Denver; M.A., Ph.D., Duke.

Dr. Andrew C. Sedler, Assistant Professor of Sociology; B.A., Oxford; M.A., Ph.D., Princeton.

Dr. Joseph D. Vinz*, Assistant Professor of Finance; graduate of Cornell; M.A., Central Michigan University; Ph.D., University of Michigan.

Dr. Michelle J. White*, Assistant Professor of Economics; graduate of Radcliffe (summa cum laude); M.Sc., London School of Economics; Ph.D., Princeton.

PARTIALLY AFFILIATED: Dr. Roy S. Bryce-Laporte, associate professor of sociology, Yale, Visiting Professor of Sociology. Dr. John Ramage, assistant professor, Carnegie-Mellon; Visiting Associate Professor of Statistics and Operations Research.

SECONDARY APPOINTMENTS: Dr. Helen L. Smits (Assistant Professor of Medicine) Assistant Professor of Health Care Systems . . . Dr. Jon C. Strauss (Director of Computing Activities) Professor of Management, Wharton School, and Professor of Computer and Information Sciences, Moore School.

COLLEGE OF ARTS AND SCIENCES

Dr. Howard M. Brody to Professor of Physics . . . Dr. Joseph Brayon to Associate Professor of Biology . . . Dr. Zoltan Donato to Associate Professor of Philosophy . . . Dr. Elizabeth K. Flower to Professor of Philosophy . . . Dr. Robert F. Giegengack, Jr., to Associate Professor of Geology . . . Dr. A. Brooks Harris to Professor of Physics . . . Dr. Madeleine M. Joullie to Professor of Chemistry . . . Dr. Jerry Kasdan to Professor of Mathematics . . . Dr. Alice Kelley to Associate Professor of English . . . Dr. Tom G. Kessinger to Associate Professor of History . . . Dr. Alan K. Kuros to Associate Professor of History . . . Dr. Kenneth landing to Professor of Physics . . . Dr. Alan Eugene Mann to Associate Professor of Anthropology . . . Dr. Kenneth C. Mealy to Associate Professor of Romance Languages . . . Dr. Gino C. Siegro to Professor of Physics . . . Dr. Robert L. Scharer to Associate Professor of Anthropology and Associate Curator of Archaeology (GSAS) . . . Dr. Carroll Smith-Rosenberg to Associate Professor of History . . . Dr. Robert Y. Turner to Professor of English . . . Dr. Donald H. Voet to Associate Professor of Chemistry . . . Dr. John Edgar Wideman to Professor of English . . . Dr. Richard J. Yeount to Assistant Professor of Biology.

COLLEGE OF ENGINEERING AND APPLIED SCIENCE

Dr. Steven C. Batterman to Professor of Applied Mechanics . . . Dr. Raymond S. Berkowitz to Professor of Electrical Engineering and Science . . . Dr. David Groves to Associate Professor of Chemical and Biochemical Engineering . . . Dr. Grace M. Murray to Adjunct Professor of Computer and Information Sciences . . . Dr. Charles J. McMahon to Professor of Metallurgy and Materials Science . . . Dr. Wayne L. Worrell to Professor of Metallurgy and Materials Science.

GRADUATE SCHOOL OF ARTS AND SCIENCES

Dr. Barry Eichler to Associate Professor of Assyriology. Department of Oriental Studies . . . Dr. David O'Connor to Associate Professor of Egyptology. Department of Oriental Studies . . . Dr. Rousas Rocker to Associate Professor of South Asia Studies.
GRADUATE SCHOOL OF EDUCATION

Dr. Bruce S. Cooper to Assistant Professor of Education ... Dr. Kenneth D. George to Professor of Education ... Dr. Joanna P. Williams to Professor of Education.

GRADUATE SCHOOL OF FINE ARTS

John A. Bower to Professor of Architecture.

LAW SCHOOL

Daniel I. Halperin to Professor of Law ... Dr. William E. Nelson to Associate Professor of Law.

SCHOOL OF ALLIED MEDICAL PROFESSIONS

Dr. Josephine Cohen to Assistant Professor of Occupational Therapy.

SCHOOL OF DENTAL MEDICINE

Dr. Marvin M. Alderman to Associate Professor of Periodontics ... Dr. Robert W. Beideman to Assistant Professor of Radiology ... Dr. J. Gerald Cooley to Associate Professor of Periodontics ... Dr. John Comer to Assistant Professor of Restorative Dentistry ... Dr. Arnold Geisel to Assistant Professor of Behavioral Sciences, Department of Oral Medicine ... Dr. Paul Montgomery to Associate Professor of Microbiology ... Dr. Chris Nichols to Assistant Professor of Oral Medicine ... Dr. Ulf Wilson to Associate Professor of Pathology ... Dr. Joel Rosenholm to Professor of Biochemistry ... Dr. Arthur I. Steinberg to Assistant Professor of Periodontics ... Dr. Brainerd Foster Swain to Adjunct Professor of Orthodontics ... Dr. Abraham Yaari to Assistant Professor of Pediatric Dentistry.

SCHOOL OF MEDICINE

Dr. Abbas Alavi to Assistant Professor of Radiology ... Dr. Toshio Asakura to Research Associate Professor of Pediatrics and Biophysics ... Dr. Roger J. Bagshaw to Assistant Professor of Anesthesia (home department) and Physiology ... Dr. Vidya S. Banka to Assistant Professor of Medicine ... Dr. Robert L. Barch to Assistant Professor of Biochemistry ... Dr. Larissa T. Bilaniuk to Assistant Professor of Radiology ... Dr. Luis Blasco to Assistant Professor of Obstetrics and Gynecology ... Dr. Paul Branca to Assistant Professor of Pediatrics (home department) and Obstetrics/Gynecology ... Dr. Fredric D. Burg to Assistant Clinical Professor of Pediatrics ... Dr. Arnold Chait to Professor of Radiology ... Dr. Hi Kon Chon to Assistant Professor of Radiology ... Dr. James F. Connaughton, Jr., to Assistant Professor of Obstetrics/Gynecology ... Dr. Raphael F. DeHoratius to Assistant Clinical Professor of Medicine ... Dr. Jay S. Devore to Assistant Professor of Anesthesia ... Dr. James G. Dickson to Assistant Professor of Anesthesia ... Dr. John D. Downes, Jr., to Professor of Anesthesia (home department) and Pediatrics ... Dr. S. Walter Englehard to Professor of Biochemistry ... Dr. Isaiah J. Fider to Associate Professor of Pathology (home department) in Dental School ... Dr. Shimo Friedman to Assistant Professor of Pediatrics ... Dr. Toru Furukawa to Research Assistant Professor of Pediatrics (Virology) ... Dr. Ralph T. Geer to Assistant Professor of Anesthesia ... Dr. Herbert Goldschmidt to Associate Clinical Professor of Dermatology ... Dr. Hie-Won Lee Hann to Research Assistant Professor of Pediatrics ... Dr. James R. Harp to Associate Professor of Anesthesia ... Dr. George A. Herrmann to Assistant Professor of Pathology ... Dr. Robert C. Hunsicker to Assistant Professor of Otohinalaryngology ... Dr. Wilma C. Kellerman to Assistant Clinical Professor of Pediatrics ... Dr. Pavel Koldovsky to Assistant Research Professor of Pediatrics ... Dr. Jerry D. Levitt to Assistant Professor of Anesthesia ... Dr. Leonard S. Levitz to Assistant Professor of Psychology in Psychiatry ... Dr. Roger Edward Linnemann to Associate Clinical Professor of Radiology ... Dr. Lionel A. Manson to Professor of Microbiology ... Dr. Philip G. Mechanick to Professor of Psychiatry ... Dr. Michael E. Norman to Assistant Professor of Pediatrics ... Dr. Charles P. O'Brien to Associate Professor of Psychiatry ... Dr. Stanley Plotkin to Professor of Pediatrics ... Dr. Arthur P. Schless to Assistant Clinical Professor of Psychiatry ... Dr. Sanford J. Shattil to Assistant Professor of Medicine ... Dr. Barton A. Singer to Assistant Professor of Psychology in Psychiatry ... Dr. M. Lawrence Spoor to Assistant Clinical Professor of Psychiatry ... Dr. Peter Sterling to Associate Professor of Anatomy ... Dr. Myron Yanoff to Clinical Professor of Ophthalmology.

SCHOOL OF NURSING

Emalene Rodeffer Gingrich to Assistant Professor of Nursing ... Barbara Stanier Jacobsen to Associate Professor of Nursing ... JoAnn Jamann to Associate Professor of Nursing ... Clara Hendrickson Jordan to Associate Professor of Nursing ... Clifford Jordan to Associate Professor of Nursing ... Anne P. Keene to Associate Professor of Nursing ... Dr. Barbara J. Lowery to Associate Professor of Nursing ... Dr. Zoriana K. Malseed to Associate Professor of Nursing ... Dr. Dorothy A. Meredith to Professor of Nursing ... Dr. Janette L. Packer to Associate Professor of Nursing ... Thelma Larrie Williams to Assistant Professor of Nursing.

SCHOOL OF SOCIAL WORK

Dr. Alexander Hersh to Associate Professor of Social Work.

SCHOOL OF VETERINARY MEDICINE

Dr. Darryl N. Biery to Associate Professor of Radiology ... Dr. Samuel K. Chatko to Associate Professor of Pathology ... Dr. Peter J. Felsburg to Adjunct Assistant Professor of Epidemiology and Public Health ... Dr. Colin E. Harvey to Associate Professor of Surgery ... Dr. Ruth Leventhal to Assistant Professor of Parasitology (secondary appointment; home school is SAMF) ... Dr. Adrian R. Morrison to Professor of Anatomy.

WHARTON SCHOOL

Dr. W. Bruce Allen to Associate Professor of Regional Science ... Dr. Marshall Blume to Professor of Finance ... Dr. David Boyce to Professor of Regional Science ... Dr. Gerald E. Hurst to Associate Professor, Decision Sciences Unit ... Dr. Edward J. Lusk to Associate Professor of Accounting ... Dr. Stephen A. Rosett to Professor of Economics ... Dr. Tony E. Smith to Associate Professor of Regional Science ... Dr. Charles M. Weber to Professor of Business Law ... Dr. Howard E. Winklevoss to Associate Professor of Insurance.
OPENINGS

The following listings are taken from the Personnel Office's weekly bulletin and appear in ALMANAC several days after they are first made available via bulletin boards and interoffice mail. Those interested should contact Personnel Services, Ext. 7285, for an interview appointment. Inquiries by present employees concerning job openings are treated confidentially.

The University of Pennsylvania is an equal opportunity employer. Qualified candidates who have completed at least six months of service in their current positions will be given consideration for promotion to open positions.

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

ADMINISTRATIVE/PROFESSIONAL (A-1)

APPLICATIONS PROGRAMMER performs highly technical programming, testing, debugging. Provides programming documentation and operational procedures for all work performed. Responsible for updating and maintaining programs assigned. Meets with users. Qualifications: College degree or equivalent. Formal training and experience in programming. Knowledge and use of large operating systems such as 370/OS, COBOL and/or P/L programming languages. $10,675-$13,275-$15,875.


ASSISTANT TO DIRECTOR, ANNUAL GIVING, II responsible for director of annual giving for assistance with regional alumni giving and alumni relations activities in the annual campaign for unrestricted funds. Travels extensively to coordinate fund-raising club activities; supervises annual appeal mailings and stewardship of gifts (processing checks and acknowledgements). Qualifications: College graduate or equivalent experience (preferably Penn). Willingness to travel and ability to work with alumni constituencies. $8,075-$10,050-$12,000.

ASSISTANT TO DIRECTOR, ANNUAL GIVING, II responsible for director of annual giving for assistance in annual campaign for unrestricted funds from nonalumni parents and for coordination of campaign programs of Graduate School of Education and School of Social Work, via personal contact for cultivation, mailings, reports and stewardship of gifts. Qualifications: College graduate or equivalent (preferably Penn). Ability to work effectively with alumni and staff. $8,075-$10,050-$12,000.

DIRECTOR OF ADMINISTRATIVE SERVICES, dental school, responsible for all business, administrative and service functions of the School of Dental Medicine, including financial planning, budgets, grants, personnel, maintenance and security, and assistance to departments concerning policy and procedure. Chief liaison of school with office of vice president for health affairs. Performs related duties as assigned by the dean. Qualifications: CPA or MBA highly desirable. At least ten years' progressively responsible experience in business, industrial or institutional administration, including three years in an appropriate management capacity. Highly knowledgeable in accounting practices, budget and contract administration, data processing, systems and procedures. Salary to be determined.

DIRECTOR OF TRANSPORTATION AND COMMUNICATION responsible for general management of University mail, bulk mail, telephone and parking services and maintenance of relevant records, preparation of reports and general supervision of personnel employed in above areas. Qualifications: College graduate or equivalent experience. At least five years' managerial experience, preferably in telephone communications systems, office management, planning, control and preparation of budgets. Knowledge of collective bargaining agreements; postal, telephone and parking regulations; accounting. Demonstrated ability to coordinate and organize widely separated facilities and staff. Salary to be determined.

PROGRAMMER ANALYST I responsible to director for problem analysis and programming for an electronic data system in medical area. Qualifications: Degree, preferably in computer science or equivalent. Four years' direct programming and systems experience. $10,675-$13,275-$15,875.

RESEARCH AND DEVELOPMENT PROJECTS DIRECTOR responsible for administrative direction of all research and development projects and staff. Coordinates diverse academic professionals in relation to projects of the institute; develops funding sources; has responsibility for contract and grant proposals; monitors progress of projects and acts as liaison with funding agencies. Qualifications: Graduate degree in business administration and health services, public health and/or economics (with substantial coursework in business and health subjects). Progress or plans to pursue a doctorate preferred. At least five years' progressively responsible management experience, with at least three years as a project director or management consultant. $18,775-$23,525 (midpoint).

SUPPORT STAFF (A-3)

ADMINISTRATIVE ASSISTANT I, Buildings & Grounds. Secretarial duties, difficult typing, preparation of correspondence; maintains and upgrades filing system; supervises others; makes minor administrative decisions. Qualifications: Shorthand/dictaphone, excellent typing, engineering terminology preferred. $6,550-$7,925-$9,300.

ADMINISTRATIVE ASSISTANT I, medicine (2), general secretarial and administrative duties. Drafts routine correspondence, maintains files, does light bookkeeping. Office located at 32nd St. and Chester Ave. Qualifications: Excellent typing, ability to work independently, excellent clerical aptitude. $6,550-$7,925-$9,300.

ADMINISTRATIVE ASSISTANT I, medicine (2), general secretarial and administrative duties. Drafts routine correspondence, maintains files, does light bookkeeping. Office located at 32nd St. and Chester Ave. Qualifications: Excellent typing, ability to work independently, excellent clerical aptitude. $6,550-$7,925-$9,300.

ADMINISTRATIVE ASSISTANT II, psychiatry. Assists business administration, supervises personnel, assists in preparation of reports and budget estimates; relates policy and procedures to staff; responsible for purchasing; has advanced secretarial duties. Qualifications: At least five years' progressively responsible secretarial experience; clerical aptitude, ability to supervise others. $7,050-$8,600-$10,150.

PERSONNEL JOB BOARDS

The job listings published below were current as of June 20, and many have been posted during the past month on the thirteen bulletin boards the Personnel Office keeps up-to-date throughout the campus. Since this is the only Almanac until September 10, be sure to check those bulletin boards during July and August if you or your friends or relatives are interested in full or part-time positions at the University:

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

The following positions at the University:

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

14
ANIMAL LABORATORY SUPERVISOR I to do work performed under administrative direction involving supervision of animal caretakers, ordering of supplies, repair and maintenance of laboratory and shop equipment and general assistance to building administrator. Qualifications: High school or trade school graduate or equivalent; good mechanical aptitude, experience. $8,925-$10,800-$12,650.

BOOKKEEPER responsible to supervisor of gifts receipts center for daily coding and processing of checks for banking; keeps track of various accounts/funds; follows up on questions of funding; maintains contact with treasurer's, comptroller's and other development offices; answers telephone inquiries regarding funds. Qualifications: Two years' bookkeeping experience (preferably at Penn). Ability to work under pressure during peak periods. $5,700-$6,750-$7,800.

CLERK III, campus business office. Qualifications: Good typing skill, ability to supervise, responsible for billing and large mailings. Must student and telephone contact. Experience preferred. $5,700-$6,750-$7,800.

CONTRACT ACCOUNTANT, comptroller's office, responsible to manager of Contract Accounting for administrative organization and maintenance of office accounting records, including integration with computer output of University financial system. Qualifications: Completion of program in accounting. Knowledge of principles and procedures of fund account and office management. $7,050-$8,600-$10,150.

ECG TECHNICIAN I operates and maintains electrocardiograph to record electrical currents emanating from the heart. Responsible for tracings, copies and measures of orthodiagram. Qualifications: Must be able to relate to patients. Daily contact with ambulatory and bed patients who range from normal to seriously ill. Prefer experienced technician, minimum two years' experience, willing to work a hospital setting. $5,475-$6,375-$7,250.

EDITORIAL ASSISTANT, medicine, to assist in the design, preparation and typing of varied technical material; proofreading of manuscripts and galleys, maintenance of files and records, drafting routine correspondence. Qualifications: accurate typing, attention to detail, editorial/media experience very helpful. $6,125-$7,325-$8,525.

ELECTRONIC TECHNICIAN II, research area on campus. Qualifications: Knowledge of BCD format and computer operations required. Three to five years' experience in analog and digital electronics. Background in computer helpful. $7,575-$9,325-$11,050.

HISTOLOGY TECHNICIAN II makes microelectrodes, mixes chemical solutions, makes histological slides. Qualifications: Histology, chemical handling, B.A. in biological or physical sciences or degree in medical technology. Experience in neurophysiology desirable. $7,575-$9,325-$11,050.

MEDICAL SECRETARY-RECEPTIONIST responsible for screening calls, supervising patient flow and assisting with procedures, inventory and stock of examination rooms. Performs specific laboratory procedures and arranges for daily delivery of specimens. Qualifications: Licensed Practical Nurse; at least two years' experience working with patients in a medical facility. Ability to perform above procedures; demonstrated experience desirable. $7,050-$8,600-$10,150.

MEDICAL SECRETARY I (1) Qualifications: Excellent secretarial skills. medical terminology desirable. $6,550-$7,925-$9,300.

MT/SC COMPOSING SYSTEM OPERATOR, publications office. Qualifications: Experience on MT/SC or MT/ST or similar composing system keyboard highly desirable. Willing to train an excellent, highly motivated typist. $6,125-$7,325-$8,525.

PROJECT BUDGET ASSISTANT to be responsible for all accounting books as well as monitoring department budgets and expenses in medical department. Qualifications: Several years' experience in bookkeeping, budget maintenance and/or accounting for several budgets or projects simultaneously. Knowledge of University budgetary systems desirable. Ability to deal with people. $6,550-$7,925-$9,300.

RESEARCH LABORATORY TECHNICIAN I to do routine medical technology: hematology, blood chemistry, urinalysis, parasitology, some microbiology records. Qualifications: Training in medical technology experience with emphasis on chemistry. Experience desirable; graduate of medical technology school. $6,200-$7,275-(midpoint).

RESEARCH LABORATORY TECHNICIAN II to do technical work in cardiovascular catheterization laboratory, including preparation of surgical packs, sterilization of instruments, developing X-rays and oscillograph records, cleaning instruments and glassware, assisting in restraint of animals. After training, technician operates some electronic recording and X-ray equipment. Qualifications: Person with experience in a cardiac catheterization laboratory, physiology laboratory would be preferable; or some experience in biological or medical lab. $7,000-$8,300-$9,575.

RESEARCH LABORATORY TECHNICIAN II, to do general biochemical lab work, enzyme preparations and assays. Qualifications: College or medical technology training. At least two years of college chemistry or biology. $7,000-$8,300-$9,575.

RESEARCH LABORATORY TECHNICIAN III to maintain and propagate microorganisms, do tissue culture, perform experimental procedures on a variety of experimental animals. Qualifications: Experience in microbiology or tissue culture, B.S. in microbiology or related field. $7,900-$9,450-$11,000.

RESEARCH LABORATORY TECHNICIAN III to perform serological procedures. Performs immunological procedures, e.g., lymphocyte transformation, MIF Assays, cell separation, fluorescence antibody. Assists in work with experimental animals, virus isolation in tissue cultures. Qualifications: B.S. in biological sciences including biochemistry; prior work experience in biological lab. Strong interest in animal research. $7,900-$9,450-$11,000.


RESEARCH LABORATORY TECHNICIAN III, to oversee maintenance and growth of human cells in tissue culture. Some bacteriology and biochemistry needed. Qualifications: B.S. in tissue culture techniques. $7,900-$9,450-$11,000.

RESEARCH LABORATORY TECHNICIAN III to perform tissue cultures, radioimmunoassays, animal (mice) experiments and breeding. Qualifications: B.S.; experience in tissue cultures and radioimmunoassays. $7,900-$9,450-$11,000.

RESEARCH LABORATORY TECHNICIAN III, virology laboratory, to do propagation of animal viruses in tissue culture; uses biochemical techniques involved in characterization of viral subunits and replication of virus. Qualifications: B.S.; experience in modern biochemical and immunological techniques. $7,900-$9,450-$11,000.

RESEARCH LABORATORY TECHNICIAN III, to work in renal physiology research laboratory. Performs and assists in development of quantitative analysis of body fluids and tissues using ultramicroanalytical biochemical techniques. Qualifications: Experience in inorganic quantitative and analytical chemistry is preferred. B.S. degree. $7,900-$9,450-$11,000.

SECRETARY I (3), business office on campus. Qualifications: Excellent typing and clerical skills. Some knowledge of shorthand and dictaphone required. Ability to deal effectively with people. $5,300-$6,225-$7,150.

SECRETARY II (11) Qualifications: Excellent typing; some require shorthand as well as dictaphone. Ability to perform varied duties. (One position available on 9-month basis). $5,700-$6,750-$7,800.

SECRETARY III (1) Qualifications: Interest in working with figures. Excellent typing, shorthand as well as dictaphone. Ability to work with minimum of supervision in performing varied duties. $6,125-$7,325-$8,525.

SECRETARY IV, development department. Responsible to senior administrative officer for preparation and coordination of confidential materials. Represents office and the University to the public. Qualifications: At least five years' responsible secretarial experience. Excellent skills and ability to deal with people. $7,050-$8,600-$10,150.

VETERINARY ANESTHESIA TECHNICIAN I, to administer anesthesia to animal patients of all species, e.g., dogs, cats, horses, cows, etc. Administers pre- and post-operative drugs to patients. Records and tabulates results of experiments. Supervises students. Qualifications: Experience in above techniques. B.S. degree or equivalent, ability to work with all species of animals. $7,900-$9,450-$11,000.

PART-TIME (A-4)

CLERK to organize and file patient records; 3 hrs. per week.

SECRETARY. Excellent typing, at least two years' office experience; 3 days per week.

SECRETARY (temporary), to type letters from cassette tapes; 11 hrs. per week.
**SUMMER STATIONERY DISCOUNT: JUNE 28**

The Publications Office has sent order forms for annual stationery orders to all offices on campus. There is a 20% discount on summer orders, but the forms must be in by June 28. Anyone who wants to order but missed the form should call Ext. 7794 immediately.

**BARBECUE AT HOUSTON HALL**

When it's too hot for steak with onions and tuna fish is simply no longer attractive, you can get an actual meal at the Houston Hall barbecue. On Thursdays, weather permitting, the Dining Service takes over the Houston Hall patio, serving chicken, hotdogs, hamburgers, salads and watermelon too, from 11:30 a.m. to 2 p.m. The weekly feasts will continue through August if response is favorable; but during July and when it's overcast, check Thursday morning at the information desk, Ext. 7581, before strolling over.

**BLOOD PRESSURE STUDY**

A few more subjects are needed for the major blood pressure study at HUP. It involves daily measurements Monday through Friday, ten minutes a day for approximately nine weeks. The aim is to learn the accuracy of self-estimation of blood pressure. Participants in the study will receive a payment of $45. Applicants should have systolic blood pressures which vary and are usually 145 mmHg (millimeters of mercury) and higher. Subjects may be on medication but pressures must be this high even when under medication. Telephone Edward Bortnickah, 207 Piersol, HUP, 662-2831.

**SUMMER HOURS**

The Museum is open Tuesday through Saturday, 10 a.m.-5 p.m. (closed Sunday) from June 30 through September 1. . . . the Houston Hall sundries department and the candy shop are open weekdays from 9:30 a.m.-3:30 p.m.

**FACULTY CLUB DUES: UP**

The following message was sent to all Faculty Club members on June 19, 1974:

Everyone knows what has happened to the cost of living in recent years. We have struggled to keep Club dues at the same level despite sharply rising costs in supplies, food, labor, maintenance, etc. The last dues increase, as you may recall, was back in 1966.

We hope, therefore, you will understand that the increases listed below are absolutely necessary to keep Club doors open. The University of Pennsylvania Administration has helped us during the past few years by subsidizing our expenses in Buildings and Grounds, and utility costs.

Because of these problems it has also become necessary to establish a fee for Departmental Accounts.

The increase agreed upon by the Board of Governors will be reflected in your dues bill for 1974-75.

The new rates are as follows:

<table>
<thead>
<tr>
<th>Old</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>$75.00</td>
<td>$90.00</td>
</tr>
<tr>
<td>$52.00</td>
<td>$62.00</td>
</tr>
<tr>
<td>$60.00</td>
<td>$72.00</td>
</tr>
<tr>
<td>$25.00</td>
<td>$30.00</td>
</tr>
<tr>
<td>Departmental Accounts</td>
<td>$60.00</td>
</tr>
</tbody>
</table>

Thank you for your cooperation in this matter.

John de Cani, President
Edward Shils, Treasurer

**SPORTS FIRST AGAIN**

For the second consecutive year Penn varsity intercollegiate teams lead the Ivy League in overall won-lost record and Ivy League won-lost records. In overall competition Penn teams compiled a winning percentage of .689 on a record of 154-66-1. In competition within the 11 official Ivy Leagues, Penn posted a record of 63-29-1 for a percentage of .683.

Topping the Ancient Eight in overall percentage marked the fourth time in the past five years that Penn teams compiled such a lofty position. No Penn Ivy foe was able to win more games than Penn in head-to-head competition.

In Ivy championships, Penn won or shared in five titles, winning crowns outright in cross-country, track, basketball, and golf and sharing the squash title.

Penn won one national title this past year, the six-man squash crown, while the golfers added the Eastern Intercollegiate title.

In addition to the five Ivy titles, four Penn teams finished in second place in their leagues: soccer, lacrosse, tennis and football.

A total of 719 awards were presented to athletes on the varsity, junior varsity and freshman levels during the 1973-74 year. "The fact that the University has been able to provide intercollegiate competition to this number of athletes shows that the University is definitely interested in the program and that we have high interest on the student level in this type of competition. The success of these athletes then adds another dimension to the program," Fred Shabel, director of the division of recreation and intercollegiate athletics, explained.

**STUDENT JOBS NEEDED**

University students who depend upon Student Employment or Work-Study opportunities in order to complete their financial aid packages will need jobs throughout the University in the fall. In addition, many students have applied for summer work starting immediately. Those with jobs to offer may contact Charles Friedman at Ext. 6966.

Jobs are also being sought for students in the Post Freshman Program of the University. Contact Harold Haskins at Ext. 8596.

**PARKING AT NEWMAN**

Parking space for the University community is available immediately in the Newman Hall parking lot, Chestnut Street between 37th and 38th Streets. The donation is $15 per month plus a refundable key deposit of $10. Anyone interested should contact Newman Hall, (594) 7575 on weekdays between 9-4:30.

**SUMMER SESSION: JULY 1**

Monday, July 1, is the final sign-up date for the second summer session, July 1 through August 9. Registration is at 210 Logan Hall; students must have been accepted earlier. Staff who missed attending summer courses should apply to College of General Studies direct or via Continuing Education, to enroll under tuition remission benefits in the fall.

**EXTRAS! EXTRAS!**

Second annual Almanac housecleaning: your chance to complete a file of back issues or get extra copies of your favorite article. Please place requests with the editors, Ext. 5274, before September, when surplus issues will go to be recycled.

Our next regular issue will be distributed on September 10. Have a good summer.

ALMANAC: 515 Franklin Building (16) Ext. 5274
Editor .................................. Karen C. Gaines
Assistant Editor ........................ Margaret M. McIlmoyl
Distribution ............................ Marsha Jo Catoe