

Almanac

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NEWS IN BRIEF

COUNCIL: ANOTHER SPECIAL MEETING DECEMBER 20

In its December 13 meeting, Council unanimously passed Dr. Irving Kravis' resolution,

The Administration and the Trustees are respectfully requested to give the University community as a whole and the Council in particular an opportunity to consider any proposals involving far-reaching changes in the University before they are approved.

Council also voted to meet again at 2 p.m. tomorrow. Drs. Dyson and Stellar said they are still writing the "priorities" section of the report and will take into account comments received by December 22. They will publish full text in *Almanac* (probably January 23), leaving a two-month period for discussion by the University community before preparation must begin on a set of concrete fund-raising proposals to be considered by the Trustees in May. President Meyerson, who was at Ivy Group meetings on the 13th, said on his return to campus, "The issues raised by the Development Commission must and will command the attention of the University's deliberative bodies and in particular the Council in the months immediately ahead."

SPECIAL SENATE MEETING FEBRUARY 21, 1973

Chairman Jean Crockett has called a Special Meeting of the Senate to be held Wednesday, February 21 from 3 to 5 p.m. in Room B-1 Fine Arts, to consider the Report of the Senate Committee on Academic Priorities, which has been mailed to Senate members; to discuss an addendum which will be mailed in January; and to provide for full discussion by the Senate of the University Development Commission's proposals.

ADMINISTRATIVE ASSEMBLY: DECEMBER 21

William L. Day, Chairman of the University Trustees, will be guest speaker at a special membership meeting of the Administrative Assembly Thursday at 2 p.m. in the Studio Theatre at Annenberg School.

A-3 ASSEMBLY: DECEMBER 21

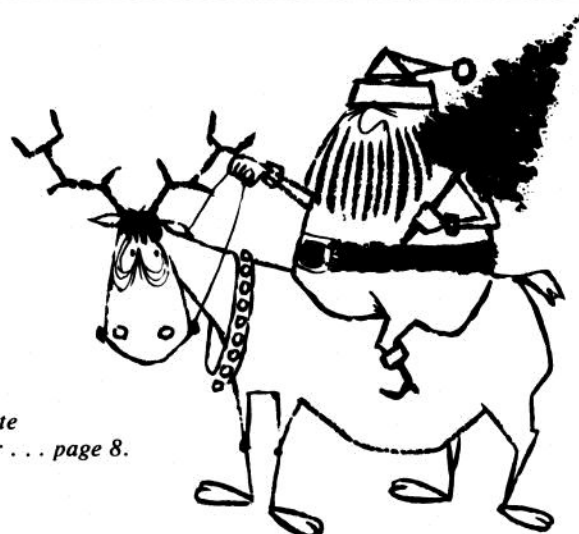
All A-3s are invited to attend the December Assembly meeting Thursday in Room 200 CH at 1 p.m. Vice President for Management Paul O. Gaddis will speak on "A-3 Involvement in Management Decision-Making." "We would like the attendance at this meeting to indicate our vital interest in this subject," said Mrs. Margaret Weyand, Assembly Spokesman.

NEW POSTS: FARRELL, DRYE, OLMSTEAD

Vice President Harold Manley this week announced new assignments for three members of the Comptroller's Office:

Comptroller Charles F. Farrell will assume the new position of Director of Administrative Affairs for the School of Veterinary Medicine effective January 1. He joined the University in 1959 as Business Administrator for the Moore School and

(Continued on page 8)



For the
Late-Late
Shopper . . . page 8.

Chair for Adele Rickett

Dr. Adele Austin Rickett, Assistant Professor of Chinese Studies, will hold the newly created M. Mark and Esther K. Watkins Chair in the Humanities.

A graduate of the University of North Carolina at Chapel Hill, Dr. Rickett received her M.A. degree from Penn in 1948 and her Ph.D. here in 1967, both in Oriental Studies. She was honored in 1945 with a Chinese Cultural Fellowship at Stanford University and in 1948 with a Fulbright Scholarship to Tsinghua University in Peking. She was a lecturer in English at Tsinghua University from 1948 to 1950. She has taught both undergraduate and graduate courses in Chinese language and literature at the University of Pennsylvania since 1967.

Dr. Rickett is coauthor with Dr. W. Allyn Rickett of *Prisoners of Liberation*; author of several articles on Chinese literature and literary criticism; and editor of *Spectator Papers* by Norman Whitney. From 1964 to 1968 she was editor of the *Journal of the Chinese Language Teachers Association*, where she is presently book review editor.

"In searching for an inaugural holder of the Watkins Professorship we sought to honor a person of unusual talent whose broad concern for the humanities transcended his or her immediate field," Provost Curtis Reitz said.

"The breadth of Professor Rickett's scholarly achievements and intellectual interests make it particularly fitting that she become the first holder of this chair."

The chair was a gift to the University from Esther K. Watkins of Merion and her husband, the late M. Mark Watkins, who died in 1969. Mr. Watkins was a member of the Class of 1921. An active alumnus, he served on the board of the Benjamin Franklin Associates. Although he received his degree in chemical engineering, he told a University officer he felt that the humanities were the appropriate place for his philanthropy. The humanities are central to the University, he said, and less able to attract the kind of funding available to other academic areas.

A Different Environmental Comment

Recently the name of the University has been associated with statements and actions by several faculty members and groups concerned with environment, conservation and/or pollution. The opinions expressed have almost always been in support of the popular emotions of the day—emotions that are not necessarily based on thorough knowledge. To show that other opinions on environmental matters exist, unpublished, within the University faculty, let me comment on six specific examples of policies or projects that are currently the subject of controversy. As for my own qualifications to assess the pros and cons involved, I may say that (1) I have been a member and supporter of conservation and environmental groups for many years, (2) I have been engaged in river basin studies and know the care with which they are made, and (3) I favor the project discussed in the final example, even though I stand to lose from it personally.

Example 1: National Parks and Similar Areas. The recent call by a faculty member for cessation of construction of all new roads and facilities represents one extreme position in a basic controversy. Take a specific case. Grand Canyon National Park exists for the people to see, study, appreciate, and be educated by the Grand Canyon. Increased facilities on the North and South Rims would have almost no adverse effect on these objectives. Or consider Yellowstone, in size approximating Rhode Island; that new roads and new facilities could not be built without noticeable harm to the environment is hard to believe. The real problem seems to be *objection to people by people*—too many enjoying the country's great possessions. There is an appeal to exclude, rather than to care for, increased population, increased leisure, and improved means of reaching the Parks. (Population and leisure I take to be non-negotiable facts of American life.)

Example 2: DDT. The chemical DDT is an insecticide recently banned for use in this country, but not for export. The World Health Organization of the UN has plans to use many tons of it; most physicians associated with public health work (private conversation with a Medical School professor) would probably oppose the ban. But the close-to-home application is in the Pocono Mountains, where an infestation of gypsy moth is out of control. DDT is the best insecticide to use; its substitutes for this purpose are less effective and so much more expensive that they are likely to be little utilized. Do we really want thousands of acres of dead trees in what is now one of the beauty spots of the country? No one seems to have balanced loss vs. gain in a real study of the situation. Propaganda has so sold the country on the supposed horrors of DDT that most persons just won't believe it is non-toxic to humans, whereas most substitutes are deadly—as noted in the last order banning it.

Example 3: Siting of power plants. One of our most eminent professors recently expressed the wish that engineers would develop social consciences. Most power engineers are appalled at the lack of consideration given to increased rates, which *relatively* fall on the poor most heavily. What has become of the anti-poverty campaigns of the past? Few people

seem to realize that utilities basically *do not care* about cost if that extra cost is forced on them. They are by law entitled to a return on their investment, and if expenditures are not capricious public utility commissions must allow increased rates to cover increased capital expenditures.

Example 4: Detergents. It is well known that detergents using phosphates are superior to soap for many purposes. What is not known so widely is that the Federal Government publicly withdrew opposition to phosphates because the evidence shows that nitrogen (not phosphates) from sewage and from fertilizers is responsible for most ecological damage to streams and lakes. What I don't know is why housewives throughout the country did not organize to denounce the early ban (still continued in some areas) on phosphates. In any event this is a matter in which Federal officials publicly admitted error, but propagandizing and lobbying for a ban continued.

Example 5: Atlantic Deep Water Terminal. There is an ideal spot in Delaware Bay off the Delaware shore for a terminal for ships of 200,000 tons and over. The State of Delaware has by law prevented its use. As a result the conservationists who forced this (and the rest of us) are faced with the unloading of large-bulk cargo ships into smaller vessels in the nearby Atlantic; the Federal Government has under consideration a major port in the Atlantic beyond Delaware's boundary. Under both present and potential future conditions the Delaware coastline is in far more danger from ports in the sea than from a deep water terminal in Delaware Bay. The lesson here is that no reasonable balance has been reached—preservation of 100 per cent of current wetlands vs. the greatly increased possibility of injury to all the wetlands both in Delaware and on the New Jersey side.

Example 6: Tocks Island (T.I.). The T.I. project has at its heart a large dam across the Delaware River north of Delaware Water Gap. The primary purposes are flood control, water supply, and recreation. Environmentalists have succeeded in delaying the project so that it is now almost dead.

But let us concentrate on its recreational aspect. The Delaware Valley north of the dam has been a sparsely settled territory with no good road on the New Jersey side and two-lane Route 209 on the Pennsylvania side. Hunting clubs own much of the land along the river, and appreciation of the valley has certainly been limited to relatively few people. The National Park Service, which was to have operated the National Recreation Area surrounding the lake to be formed, had estimated attendance at ten million visitor days. This tremendous number arises from the fact that the Northeast, and particularly the New York-Philadelphia area, has no easy access to such a facility. The basic question is whether the environmentalists are justified in ruining a plan that would benefit so many people. (While tramping the New Jersey side about a year ago I met a group—strong in opposition, ignorant of facts—and asked what they would suggest as a substitute for those ten million visitor days. The answer of a

TO THE FACULTY

With the cooperation of both the faculty and the dining service, the Quadrangle Dining Program would like to introduce a project that would allow students to converse casually with University personnel, both academic and nonacademic, with whom they might not otherwise have contact. This will involve the invitation of several guests to lunch, once a week, in the contract section of Stouffer Triangle. They will be met and accompanied to an eating area specifically set aside for this purpose. For the benefit of students who might wish to attend, the names of the guests each week will be published in the *Daily Pennsylvanian*. Discount meal passes will be sold to those without a contract so that they, too, may have an opportunity to attend.

If these plans are successful, we hope a more informal system will evolve, whereby faculty members in particular will feel free to come to lunch in the prearranged area without invitation. For more information, call Stanley Burke at Ext. 8696.

spokesman, directly quoted, was "Let them go somewhere else".)

There is also some hidden opposition that is rather interesting. Never openly expressed, it clearly implies that the Poconos should be kept "clean"—by which is meant that the inner-city dwellers from New York, Newark, and Philadelphia should not be encouraged to come into the territory.

A few comments may be in order.

1) It might be well to remember first, that nature itself through its volcanic eruptions, earthquakes, floods, hurricanes, lightning strokes, droughts, etc., is the greatest despoiler of environment and conservation, and next that agriculture comes a close second with its clearing, grazing, erosion, fertilizers, pesticides, etc. Alongside these two causes—nature and agriculture—our examples seem very small.

2) There is evident in a great deal of conservationists and environmentalists in this country an attitude of a dislike of people by people.

3) A recent article in the *Reader's Digest* tends to emphasize an elitist character in the "Wilderness Areas" and other severely restricted areas set up by a supposedly democratic government. The author is described as "an ardent hiker and nature photographer" in the May, 1972, article.

4) I suggest for those who would prefer reading a more academically dignified article that the discussion of values by Professor Thomas Nagel (Philosophy, Princeton) in *Science* (V. 187, pp. 166-170) be consulted. In particular I recommend the section on elitism.

5) I have often thought that conservation should start with San Francisco, which has an excellent chance of being largely destroyed by an earthquake in the next hundred years.

6) I have visited many large dams and have never found a case in which the lake behind the dam has not, in my opinion, improved the environment.

7) Finally, let me say that I am one of the two members of the Society for Common Sense Conservation.

—John G. Brainerd
University Professor of Electrical Engineering

FOSSIL FUELS

I was interested to read on page 14 of the *Almanac* of October 10, 1972, "Fossil fuels, which take eons to replace, are being consumed so rapidly that the supply is in real danger of drying up within our lifetime."

Fossil fuels are: coal, petroleum, and gas. World reserves of coal may exceed 2×10^{11} tons. Annual consumption of coal is about 2×10^9 tons, or 0.01 per cent of the reserves at present rates. Even if a Methuselah were born today, he couldn't possibly live to see the day when we shall run out of coal, the principal fossil fuel.

—Henry Faul, Chairman, Department of Geology

Almanac's story was based on a News Bureau story based on an interview with Martin Wolf, who writes: "Many thanks to a careful proofreader, Henry! You are perfectly right. Somewhere along the way three little words got lost. The wording should have been: "...the supply of some types."

TO AN UNKNOWN PROFESSOR

I am anxious to write a letter of thanks to a Philadelphia family who were very kind and helpful to me in August, when we were all stranded in Paris due to a sudden strike on the Italian Railways. In the chaos of that evening (Aug. 2nd) I forgot to ask their name and know only that I was in a compartment with a charming lady and her twin sixteen-year-old daughters, and that the husband is a Professor at a University in Philadelphia.

So, if you have a Professor at your University, who has twin sixteen-year-old daughters and a son, who was in Paris on the night of August 2nd, will you be kind enough to tell him that I've tried all ways to get a letter of thanks to him and to his family for their kindness to me.

I contacted the American Embassy in London as soon as I arrived home for the name of your local newspaper *The Philadelphia Inquirer*, and wrote a letter of thanks which I hoped the newspaper would print, but they regretted they hadn't sufficient space, so this must be my final effort to thank them, and believe me, they deserve to be thanked for their plight was worse than mine.

I direct this to you on the advice of the *Daily Express*, London, to whom I wrote for a possible final lead.

I hope you can help me, for I would like to say a very, very big thank you to such a lovely American family and know that they did manage to get home safely.

Yours sincerely,
Pamela Betts, (Mrs.)

TO PARENTS OF LITTLE ONES

We are conducting a study on the language of young children. We would like to determine whether a child of approximately 18-24 months understands a greater number of words than he is able to produce. We will be observing the child's knowledge of concrete nouns and verbs to determine whether or not the receptive to productive word ratio varies as a function of part of speech.

The procedure will involve spending a few hours with the child for about 3 or 4 sessions in his/her own home. The child's productive vocabulary will be determined by questions about objects, actions, or situations; e.g., "What's this?" "What's the animal doing?" "Where is the block?" In addition, we will ask the child to point to (show, bring, etc.) an object or to carry out simple commands; e.g., "Point to the ball," "Sit on the table," "Put the block under the chair." This will help us determine what words a young child understands. Toys, picture books, and stuffed animals will be used to interest the child in the word games.

We shall be more than willing to donate our services as babysitter during the time we are playing with your child. We would also be very happy to share our findings with you after the completion of the sessions.

If you are curious about your child's linguistic prowess, please contact me at EV 2-1020 or at Ext. 6478, or leave word at the office of Dr. Martin Seligman, Ext. 5250.

—Susan Goldin Meadow, Department of Psychology

APPOINTMENTS

The following APPOINTMENTS and PROMOTIONS lists are based on Trustees' actions completed between August 3 and October 19, 1972. Except where noted, they were effective July 1, 1972. See also ALMANAC November 14 for actions prior to August 3 that took effect July 1.

COLLEGE OF ARTS AND SCIENCES

Dr. Charles W. Thayer, Assistant Professor of Geology; graduate of Dartmouth College, Ph.D. from Yale.

COLLEGE OF ENGINEERING AND APPLIED SCIENCE

William E. Cleaver, Adjunct Associate Professor of Electrical Engineering; graduate of Rutgers, LL.B. from Rutgers Law School; senior patent attorney of the Univac Division of the Sperry Rand Corporation since 1960.

Dr. John E. Fischer, Associate Professor of Electrical Engineering, effective January 1, 1973; B.M.E. and Ph.D. from Rensselaer Polytechnic Institute; head of semiconductor physics at Michelson Lab since 1970.

Dr. Richard P. Fogaroli, Adjunct Assistant Professor of Mechanical Engineering; graduate of Villanova, Ph.D. from Rensselaer Polytechnic Institute; since 1970 program manager of the Space Sciences Lab of General Electric's Valley Forge Space Center.

Dr. Ziad J. Ghandour, Adjunct Assistant Professor of Electrical Engineering; graduate of American University of Beirut, Ph.D. from Yale; since 1968 research member and staff member of I.B.M.'s Philadelphia Scientific Center.

Dr. John D. Keenan, Assistant Professor of Environmental Engineering; graduate of State University of New York at Buffalo, Ph.D. from Syracuse University.

SCHOOL OF ALLIED MEDICAL PROFESSIONS

Gladys Nobuko Masagatani, Assistant Professor of Occupational Therapy; graduate of University of Hawaii, M.Ed. from University of Florida.

SCHOOL OF MEDICINE

The designation of *Dr. Alfred P. Fishman* as William Maul Measey Professor of Medicine, effective January 1.

Dr. Robert W. Hamilton, Assistant Professor of Medicine; graduate of University of Delaware, M.D. from State University of New York at Buffalo, internship and residency at University of Maryland Hospital; since 1969, fellow of the Department of Medicine here.

Dr. William J. Howard, Assistant Professor of Medicine; graduate of Haverford College, M.D. from the University, internship, assistant residency, and laboratory fellowship in biochemistry and metabolic disease at HUP; since 1970 Director of Endocrine—Metabolic Outpatient Clinic at Walter Reed Army Medical Center.

Dr. George R. Huggins, Assistant Professor of Obstetrics/Gynecology; graduate of DePauw University, M.D. from University of Missouri School of Medicine, internship at Barnes Hospital, St. Louis, residency at University of Missouri; assistant professor at University of Mississippi School of Medicine since 1969.

Dr. Ovide F. Pomerleau Jr., Assistant Professor of Psychology in Psychiatry; graduate of Bowdoin College, Ph.D. from Columbia; since 1969 assistant professor of psychiatry at Temple Medical School.

Dr. James B. Snow, Professor of Otorhinolaryngology and Human Communication in the Department of Otorhinolaryngology, effective from August 1; graduate of University of Oklahoma, M.D. from Harvard Medical School, internship

FACULTY GRANTS AND AWARDS

A subcommittee of the Committee on Research considers applications submitted by fully affiliated faculty members who hold the rank of assistant professor or higher for funds in support of research. Those faculty members who are not fully affiliated may apply provided they will obtain full affiliation by the effective date of the award.

Two kinds of grants are available: (1) Summer Research Fellowships which pay the recipient a stipend of \$1,500, and (2) Grants-in-aid which pay specified research expenses, such as purchase of permanent equipment or specialized materials (which become the property of the University), expendable supplies, transportation, etc. An applicant may request either one or both of these types of grants.

The deadline for submission of an application for a Summer Research Fellowship is *February 15*. The subcommittee will generally complete its evaluation of such applications by March 31 and will notify the applicant by April 30 as to whether or not his project will be funded. An application for a grant-in-aid may be submitted at any time; however, inasmuch as the subcommittee generally commits all available funds at the same time fellowships are awarded, it may not be able to accommodate grant-in-aid applications received after February 15.

Application forms are available at the Office of Research Administration and may be requested by telephone, Extension 7293.

—*Reagan A. Scurlock*

at Johns Hopkins, residency at Massachusetts Eye and Ear Infirmary, U.S.P.H.S. research trainee there; professor and head of the department of otorhinolaryngology at Oklahoma since 1964.

Dr. Don P. Wolf, Assistant Professor of Obstetrics/Gynecology and Biophysics; graduate of Michigan State University, Ph.D. from University of Washington (Seattle); postdoctoral fellow, University of Geneva (Switzerland); postdoctoral fellow, University of California at Davis since 1968.

Dr. Chung-Hsiu Wu, Assistant Professor of Obstetrics/Gynecology; M.D. from College of Medicine, National Taiwan University Hospital, residency at Provincial Taipei Hospital, postdoctorate research fellow here 1965-67, residency, Philadelphia General Hospital; instructor at Jefferson Medical School and at Temple Health Sciences Center.

Dr. Robert A. Zimmerman, Assistant Professor of Radiology; graduate of Temple, M.D. from Georgetown University Medical School, internship at Georgetown, residency at HUP; military service since 1969.

PROMOTIONS

SCHOOL OF DENTAL MEDICINE

Dr. Solomon H. Katz to Associate Professor of Physical Anthropology, Department of Orthodontics, with a secondary appointment as Associate Professor of Anthropology in the College of Arts and Sciences.

SCHOOL OF MEDICINE

Dr. Jonathan Black to Assistant Professor of Orthopedic Surgery . . . *Dr. Leopoldo Canales* to Assistant Professor of Neurology . . . *Dr. Sae-il Chun* to Assistant Instructor of Physical Medicine and Rehabilitation . . . *Dr. David E. Pleasure* to Associate Professor of Neurology . . . *Dr. Richard H. Schwartz* to Professor of Obstetrics/Gynecology . . . *Dr. Herbert W. Wallace* to Associate Professor of Surgery; with an appointment as Associate in Physiology . . . *Dr. Robert E. Weibel* to Associate Professor of Clinical Pediatrics.

SCHOOL OF VETERINARY MEDICINE

Dr. Alan M. Klide to Associate Professor of Anesthesia.

GRANTS

SPONSORED RESEARCH

A Summary of Contracts and Grants for Research and Related Activities Received by Faculty Members during October 1972

ARMY: *N. Brown* (Met. & Mat. Sci. Sch.) "Deformation of Oriented Polymers" \$12,500 . . . *A. Kligman* (Dermatology) "Sustained Protection against Superficial Bacterial & Fungal Infections by Topical Treatment" \$30,000.

NAVY: *C. Brighton* (Orthopedic Surgery) "Stimulating of Fracture Healing by Electrical Fields" \$99,450 . . . *C. Lambertsen* (Instit. for Environmental Med.) "Fifth Symposium on Underwater Physiology" \$17,546 . . . *D. White* (Chemistry) "Infrared Spectra and Molecular Structure" \$18,421.

PUBLIC HEALTH SERVICE: *B. Chance* (Johnson Fdn/Biophysics) "Bio-Chemical Screening for Anticancer Agents" \$11,072 . . . *J. Clark* (Med. Sch.) "Regional Med. Program" \$143,427 . . . *R. Cooper* (Medicine) "Disorders of the Red Cell Membrane in Diseases of Man" \$55,309 . . . *A. DuBois* (Physiology) "Pulmonary Circulatory Insufficiency" \$22,682 . . . *I. Fidler* (Dental Pathology) "Quantitative Analysis of Mechanisms of Cancer M" \$28,702 . . . *M. Goldberg* (Medicine) "Electrolyte Disturbance in Cardiorenal Disease" \$252,088 . . . *N. Kloman* (Microbiology) "Clonal Analysis of the Immune Mechanism" \$54,236 . . . *D. Lefkowitz* (Engineering Research Office) "Chemotherapy Chemical Information Processing System" \$50,000 . . . *P. Liebman* (Anatomy) "Microphotometric Studies on Retinal Rods and Cones" \$28,928 . . . *P. Nowell* (Pathology) "Leukocyte Regulatory Mechanisms" \$45,465 . . . *J. Puschett* (Medicine) "Study of Anionic Transport in Dog Proximal Tubule" \$18,808 . . . *A. Relman* (Clin. Research Center) "General Clinical Research Center" \$588,233 . . . *J. Rockey* (Ophthalmology) "Primary Structural Studies of Visual Pigments" \$33,911 . . . *J. Sprague* (Anatomy) "Visual Behavior-Anatomical and Functional Basis" \$46,899 . . . *F. Taylor* (Medicine) "Activation of Fibrinolytic System" \$39,518 . . . *W. Weber* (Pathobiology) "Lymphocyte Functional Capacities" \$21,861 . . . *R. Solomon* (Psychology) "Conditioning and Training Experiments" \$69,604.

SOCIAL REHABILITATION SERVICE: *E. Cohen* (Community Med.) "Effects of Flood Disaster on the Elderly and Services" \$104,011.

ENVIRONMENTAL PROTECTION AGENCY: *B. Harris* (City and Regional Planning) "Review and Pilot Project in Urban Modeling" \$93,326.

NATIONAL SCIENCE FOUNDATION: *G. Adams* (Economics) "Econometric Studies of World Trade and Payments" \$45,600 . . . *E. Burmeister* (Economics) "Demand, Adjustment Processes and Economic Growth" \$92,600 . . . *E. Calabi* (Math) "Differential Structures" \$12,000 . . . *R. Klaus* (Chemical Engineering School) "Thermodynamic Properties of Multicomponent Liquid Mixtures" \$39,800 . . . *O. Williams* (Political Science) "Changing Political Structure of Metropolitan Areas" \$35,300 . . . *O. Williamson* (Economics) "Theoretical and Empirical Studies of Market and Internal Organizational Structures" \$39,000.

ACTION: *A. Sullivan* (Community Service) "University Year for Action" \$32,868.

NATIONAL COMMISSION ON MATERIALS POLICY: *W. Malenbaum* (Economics) "Foreign Commodity Requirements in the Year 2000" \$10,000.

NATIONAL ENDOWMENT FOR THE HUMANITIES: *K. Matthews* (University Museum) "Project Practicum" \$17,400.

COMMONWEALTH OF PENNSYLVANIA: *H. Lewis* (Vet. Med. School) "Development of a Specific Diagnostic Test for Bovine Paratuberculosis" \$3,430 . . . *J. Margolis* (Fels Institute) "Performance of the Public School Employees Retirement Fund" \$15,000 . . . *R. McFerren* (Graduate Hospital) "Tumor Registry and Clinic" \$2,782 . . . *A. Merritt* (Vet. Med. School) "Pathophysiology of Chronic Diarrhea in the Horse" \$9,822 . . . *J. Reif* (Clinic Studies) "Research on Equine Infectious Anemia" \$32,000.

Private Foundations, Research Organizations and Associations, and Industry

DUKE UNIVERSITY: *J. Campbell* (Education School) "Junior Science and Humanities Symposium" \$6,000. FARM CREDIT BANKS OF SPRINGFIELD: *P. Smith* (Finance) "A Study of the Financing of the Capital Needs of the Farm Credit Banks" \$53,000. FORD FOUNDATION: *N. Gross* (Education School) "Third Year Support of a Training Program for the Preparation of Educational Leaders in School Administration" \$360,000. GENERAL FOODS CORPORATION: *S. Cohen* (Medicine) "The Dose Response Relationships of Caffeine and Coffee upon Gastric Acid Secretion" \$30,000. G.E. COMPANY: *J. Quinn* (Chemical Engineering School) "Enzyme Catalyzed Reactions" \$15,000. INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT: *I. Kravis* (Economics) "International Comparisons of Production, Income and Purchasing" \$70,000. MERCK COMPANY: *A. Laties* (Ophthalmology) "Evaluation of the Effects of Indocin upon Ocular Structure and Function" \$42,625 . . . *R. Weibel* (Pediatrics) "Clinical Studies of Viral Vaccines" \$30,000.

Summary: Contract and Grant Awards July 1972 through October 1972: 254, totaling \$14,737,788.

Morgan State Project: Helen Davies

Dr. Helen C. Davies (Microbiology) is the new faculty chairman of the Morgan State College-University of Pennsylvania Cooperative Project for 1972-73.

Organized in 1964, the Project provides for student exchange, faculty exchange and other cooperative education projects between the University and the predominantly Black college in Baltimore.

The Project is supported by a grant from the U. S. Department of Health, Education, and Welfare to Morgan State College and by a grant from the 1907 Foundation Fund at the University of Pennsylvania. Coordinator of the Project at Pennsylvania is Mrs. Justine J. Rector.

The University has assisted Morgan State in training teachers for inner-city schools and in establishing research projects in urban studies, regional planning and city planning. A summer intern program for Morgan State students interested in studying medicine has been established at the University's School of Medicine; and the University is presently helping Morgan State to expand its curriculum in the allied health professions. University of Pennsylvania faculty and staff members also have worked with Morgan State on a self-study of its programs and in making a ten-year projection of its overall institutional plans. Morgan State students also are receiving advising and assistance in applying for admission to the University's graduate and professional schools.

Members of the Faculty Committee of the Morgan State Project are: James E. Beerman, Associate Director of Student Aid; Dr. Hennig Cohen, Professor of English; Dr. Mary E. Coleman, Professor of Education; Dr. Alice F. Emerson, Dean of Students; Richard Ferry, Assistant Dean of Students; Karen C. Gaines, Editor of *Almanac*; Dr. David R. Goddard, University Professor of Science and Public Policy; Stephen Goff, Assistant Managing Director of Annenberg Center; Dr. Arleigh P. Hess, Jr., Director of C.G.S. and Summer School; James B. Johnston, Director of Admissions, Wharton Graduate Division; John C. Keene, Associate Professor of City and Regional Planning; John Kirshner, Assistant to the Provost and Vice President; William R. Meek, Assistant Professor of Social Work; Dr. Howard E. Mitchell, 1907 Foundation Professor of Human Resources and Director of the Center for Human Resources; Dr. Daniel J. O'Kane, Acting Dean, G.S.A.S.; Dr. Thomas Reiner, Associate Professor of Regional Science; Dr. Barbara Ruch, Associate Professor of Japanese; Esther Schultz, Director of Foundation Information Center; Dr. Humphrey Tonkin, Vice Provost for Undergraduate Studies; Dr. Bernard Wailes, Associate Professor of Anthropology; Dr. Henry Wells, Professor of Political Science; and Dr. Michael Zuckerman, Associate Professor of History.

JOB OPENINGS

BULLETIN #488, Updated 12/18/72

ADMINISTRATIVE ASSISTANT II for administrative office.

Qualifications: Budget, accounting, research experience and familiarity with communication media desired. *Salary Range:* \$6700-\$7600-\$8500

ADMINISTRATIVE ASSISTANT II for business office.

Qualifications: Budget, accounting experience. Shorthand and excellent typing. *Salary Range:* \$6700-\$7600-\$8500

ADMINISTRATIVE ASSISTANT II for medical area.

Qualifications: Supervisory experience; budgeting background; typing.

ASSISTANT TO THE DIRECTOR II (Alumni Annual Giving) for Alumni Relations in the New York Metropolitan Area.

Qualifications: Graduation from a recognized college or university. Excellent organizational ability. Ability to deal effectively with people. *Salary Range:* Open

ASSISTANT TO THE DIRECTOR III (Alumni Annual Giving) to be responsible for the staffing of major programs within the Annual Giving area.

Qualifications: Degree plus 2 or 3 years' experience in the field or similar business position. Excellent leadership ability. Penn graduate preferred. *Salary Range:* Open

ASSOCIATE FOR DATA SYSTEMS (Undergraduate Office of Admissions) to be responsible for the development of research programs in the areas of educational research and operations research.

Qualifications: Degree, with course work in computer research and operations research. One to three years' direct experience in computer and operations research, preferably in admissions. *Salary Range:* Open

CHIEF COMPUTER OPERATOR for engineering department.

Qualifications: Graduation from high school; some college preferred. At least 4 years' experience in the operation of a large-size computer and associated data processing equipment. Ability to supervise others. *Salary Range:* \$8100-\$10,500

COMPTROLLER to be responsible for all accounting functions, financial systems and reporting, payroll and disbursements.

Qualifications: College degree in accounting and knowledge of fund accounting. C.P.A. certificate and data processing experience desirable. *Salary Range:* Open, dependent upon experience.

COMPUTER OPERATOR (night shift) for physics department.

Qualifications: At least one year's operating experience. Ability to operate 360/65 with IBM-OSMFT. *Salary Range:* \$6100-\$7900

MEDICAL SECRETARY

Qualifications: Excellent typing, shorthand desirable. Graduate of a 2-year medical secretarial course, or equivalent experience. *Salary Range:* \$5800-\$7000

PROGRAMMER ANALYST I (2) for the Office of Data Processing.

Qualifications: At least 2 years of college plus formalized training in data processing or computer science. Minimum of 3 years' programming on medium to large-scale computers. *Salary Range:* Open

RESEARCH LABORATORY TECHNICIAN I for a medical research department.

Qualifications: Graduation from an approved school offering a one or two-year course for medical technicians. *Salary Range:* \$5200-\$6450

RESEARCH LABORATORY TECHNICIAN II (2) to assist in medical research programs.

Qualifications: Graduation from an approved school for medical technicians plus at least 2 years' experience as a research technician or 2 years of college, including at least 2 semesters of college chemistry and biology. *Salary Range:* \$6100-\$7900

RESEARCH LABORATORY TECHNICIAN III to participate in research program in medical area of the University.

Qualifications: Graduation from an approved college or university with a science major—preferably in biology, zoology, microbiology, bacteriology or other related fields, with one to two years of chemistry. *Salary Range:* \$7000-\$9100

RESEARCH LABORATORY TECHNICIAN IV for medical research program.

Qualifications: Graduation from an approved college or university with a science major, including 3 years of college chemistry. Experience in biochemistry research techniques. *Salary Range:* \$7300-\$9400

SCIENTIFIC GLASSWASHING ATTENDANT (15 to 20 hours per week) to be involved in the operation of automatic machines for the washing and sterilization of laboratory glassware and other related equipment.

Qualifications: Graduation from high school (chemistry course preferred). Mechanical aptitude. *Salary Range:* \$2.42-\$2.97/hour

SECRETARY II (12) for business, medical and academic areas.

Qualifications: Good, accurate typing; some require shorthand as well as dictaphone. Ability to perform varied duties pertinent to the area; some experience. *Salary Range:* \$5000-\$6500

SECRETARY III (3) for academic, business and medical areas.

Qualifications: Interest in working with figures. Excellent typing; shorthand and/or dictaphone. Ability to work with minimum of supervision in performing varied duties. *Salary Range:* \$5500-\$7000

SECRETARY-TECHNICIAN III for medical research area.

Qualifications: Excellent typing, MTST experience, medical or scientific background preferred. *Salary Range:* \$5800-\$6700-\$7600

SUPERINTENDENT OF ENGINEERING SERVICES to be responsible to the Director of Buildings and Grounds for engineering requirements incident to the alteration, renovation and maintenance of the physical plant.

Qualifications: Graduation from a recognized college or university with a degree in an appropriate engineering discipline. Five years' experience in engineering and construction work, including field and design experience. Must be registered as a professional engineer. *Salary Range:* Open

SUPERINTENDENT OF GROUNDS to be responsible to the Director of Buildings and Grounds for the care and maintenance of all grounds at the University. Responsible for the planning, scheduling and directing of the activities of grounds forces.

Qualifications: Degree in horticulture, landscape architecture or a related field, plus seven years' direct experience, including 5 in a supervisory capacity. Must have broad knowledge of all aspects of plant care. Must have strong supervisory ability. *Salary Range:* Open

TYPIST II for academic office on campus.

Qualifications: Good typing, excellent clerical aptitude, ability to communicate with graduate students. Ability to deal effectively with people in person and by phone. *Salary Range:* \$4200-\$5200

Those interested should contact the Employment Section of the Personnel Services Department (Ext. 7285) for an interview appointment. Inquiries by present employees concerning job openings are treated confidentially by the Personnel Office.

PART-TIME HELP

If you are in need of temporary or permanent part-time employees, please consider using the Job Referral Service of the Student Employment Office.

Each semester as a service to the University Community, our office places many financially needy students in jobs both on and off campus. Campus opportunities are unquestionably the most popular among students because of their convenience and accessibility. Due to the great demand, we constantly face the problem of having an overabundance of interested students and a lack of on-campus positions.

If your department is looking to hire a part-time employee either during the academic year or during vacation periods, please consider listing your opening through the Job Referral Service. We are located in Room 205, Logan Hall, Ext. 7539.

—Charles L. Friedman

BULLETINS

HOLIDAY SCHEDULE: RECREATION

University recreation facilities are open on normal schedules this week until 6 p.m. Friday, December 22.

Next week, Hutchinson Gym and Ringe Squash Courts will be open for recreation during limited hours:

Wednesday, December 27 12 noon to 6 p.m.

Thursday, December 28 12 noon to 6 p.m.

Friday, December 29 12 noon to 6 p.m.

All other gyms will remain closed for the holiday period. Gimbel Gym, Hutchinson and Ringe reopen on normal schedules on January 3. Weightman Hall reopens January 17.

CORRECTION: WHARTON BUDGET ANALYSIS

In the budget analysis of Wharton School on page 9 of the December 5 issue, both income and cost totals are incorrectly given as the same figure. The total net income figure 11,415 is correct; the total net cost should read 12,017 for a subvention of 602 as shown.

CHANGE OF ADDRESS

The College of General Studies and Summer Sessions Office has moved to 210 Logan Hall. Telephone numbers are unchanged: Ext. 7327 and 7329.

TELL US ABOUT YOUR STUDIES

The Office of Planning and Design is again gathering information from both academic and nonacademic sources about institutional studies being made at or about Penn.

Senior Analyst Harold Taubin annually compiles a bibliography of plans, proposals, responses to proposals, and other studies that relate to the anatomy and function of institutions of higher learning. Within that context, his survey concentrates on studies concerning the University of Pennsylvania.

His work will be coordinated this year with *Almanac's* preparation of a central index to published planning documents and critiques. Samples of last year's bibliography and other information about the survey are available from Mr. Taubin, Ext. 5831.

ORAL HEALTH RESEARCH PROPOSALS

The Center for Oral Health Research at the School of Dental Medicine will receive proposals for financial support of oral health research on February 23, 1973, for work to begin June 1, 1973. Inquiries as to the form of the proposal and other requirements may be made at the office of the Business Administrator, Henry Gimpel, 115, Levy Building, Ext. 6571.

NONACADEMIC APPOINTMENTS

CONFERENCE OFFICE

Robert E. Atkinson, W'72, has joined Paul Rubincam's staff as Conference Coordinator. Formerly a junior accountant for Clarence Rainess and Company, he was on the Executive Board of Kite and Key while at Penn.

Katherine Moses has been appointed Assistant Director to the Director of Conferences. A graduate of Syracuse University, she has worked with the University's summer sports program and taught English at Shaw Junior High School here.

DEAN OF STUDENTS' OFFICE

Sylvia Brown, who has been assistant to Conrad Jones, Director of the Advising Program for Black Students in the Office of the Dean of Students, has been named acting director; Mr. Jones has left the University for a new position in Harrisburg.

DEVELOPMENT AND PUBLIC RELATIONS

Francis J. Rue III, C'72, has been named Assistant to Director Allen Martineau in Annual Giving. He will be assigned to the Regional and Class Funds programs.

Penelope Henrici is now Assistant to the Director of Annual Giving for the class agents program. A journalism graduate of Ohio University, Mrs. Henrici has been at the First National City Bank of New York for the past three years.

Margaret Scott, a former reporter for the *Virginian Pilot* in Norfolk and the *Nashville Tennessean*, has joined the staff of the University News Bureau. She will be part of a reorganized science coverage system in which Don Fey, News Officer for Physical Sciences and Engineering, becomes Science Editor and Mrs. Scott shares medical and biological assignments with Trudy King.

FACILITIES MANAGEMENT

Arthur R. Freedman, Director of Planning and Design, will now be Director of Planning, Design and Project Management in the Office of Facilities Management and Construction. He will be in charge of developing new and/or augmented facilities from initial conception to occupancy of space.

MORRIS ARBORETUM

Gordon A. Brandes holds the newly-created position of Manager of the Arboretum, with responsibility for the operation of the Arboretum and its public service programs. Mr. Brandes is an authority on the use of crop-protection chemicals and was for 25 years associated with the agricultural chemical product development division of the Rohm and Haas Company. He is a member of the American Association for the Advancement of Science, the American Phytopathological Society, and the Weed Science Society of America, among several professional organizations.

RECREATION

Ronald Bond succeeds Dr. Robert McCollum as Director of the Department of Recreation. His office is at 204 Hutchinson Gym, Ext. 8331. Dr. McCollum will be at the University on Tuesdays and Fridays through December 31, 114 Sergeant Hall, Ext. 6993.

THINGS TO DO

LAST-MINUTE SHOPPING

The University Bookstore and its Dorm Shop in the 1920 Dining Commons are staying open late this week for Christmas shoppers: hours are 8:30 to 8 through Thursday, December 21, and 8:30 to 5 on Friday, December 22. You can use a faculty or staff discount to buy gifts and books—among them the newest releases popular and scholarly, and a staggering array of cookbooks (in the aisle by the cashier's office). The display covers cuisine from Africa to Scandinavia and includes paperback cookbooks for small budgets.

Pooh and Babar are in the children's book section, and many other old favorites are available in either cloth or paperback. More recent children's literature is there too, along with elegant coloring books, puzzles, and small toys.

You can forego the crowds on Chestnut Street and find imported kitchen equipment, tomato soap from Spain and similar necessary luxuries at 38th and Locust Walk. For interesting teas, jams, and old-fashioned toiletries, try the Dorm Shop across the footbridge.

MUSEUM

The University Museum's gift shop can be crowded at lunchtime but the jewelry and art there justify a wait. Pottery and metalwork reproductions of pieces in the Museum's collection vary widely in period, nationality, and style to ensure something different for everyone—and in a broad price range.

Jewelry includes plain or fancy modern pieces, beads from Egyptian tombs, and magnificent examples of traditional American Indian silverwork. Useful baskets and wall hangings from South America, Christmas cards and an international sampling of art books are in niches around the central display. Hours are 10 to 5 Tuesday-Saturday; normally open Sundays—but not Christmas Eve.

PRINTS

Children in the Prints in Progress program of the Print Club have produced the silkscreen fabrics, prints, and Christmas cards which are for sale at International House at 3701 Chestnut Street. Alumna Marion B. Stroud directs the program (see the November *Pennsylvania Gazette*) and her inner-city protégés' work is simple and well-executed. The exhibit and sale runs until January 10, 10:30 to 8 daily, 11 to 2 on Saturday. —MMM

NEWS IN BRIEF continued

became Comptroller in 1967 after serving also as Business Manager of the School of Medicine.

Assistant Comptroller William Drye, who has been with the University since graduation from Wharton in 1966, becomes Acting Comptroller.

Gloria K. Olmstead, who has been Assistant to the Comptroller, has been named Director of the new Federal Insured Student Loan Program being formed at the University. She will spend the spring semester shaping the new program, which is expected to go into operation in the next fiscal year. Based on studies done by Dr. Bruce Johnstone at the Ford Foundation before he became Executive Assistant to President Meyerson last fall, the new program calls for the University to become a federally-insured lender to its own undergraduate and graduate students. Using a new line of credit established with commercial banks, the University will make long-term tuition loans at 7 per cent interest, with a graduated repayment schedule and probably with an insurance provision to protect students from unmanageable debts due to low future earnings.

Mrs. Olmstead has been with the Comptroller's Office for the past nine years in a variety of positions, and earlier was with the financial affairs office of a Boston electronics firm. She is now located in 117 College Hall, Ext. 7248-49.

THE COUNCIL

The Office of the Secretary has submitted corrections to the Committee lists published in ALMANAC November 7, 1972. Full memberships of the two committees below are published for the first time.

Academic Planning Committee

Chairman: Lawrence R. Klein (Economics)
Faculty: Burton Paul (Mechanical Engineering)
Lewis P. Rowland (Neurology)
David H. Sharp (Physics)
Otto Springer (German)
Students: William Keller (C '73)
Martin Stamm (GSE)

Committee on Open Expression

Chairman: Edward M. Peters (Medieval History)
Faculty: Stephen Goldstein (Law)
Morris Mendleson (Finance)
Solomon R. Pollack (Metallurgy and Materials Science)
Louise Shoemaker (Social Work)
Administration: Francis M. Betts, III, Assistant to the President for External Affairs
Students: Roger Bernstein (C '74)
Robert Drumheller (C '74)
Mark Kadzielski (GSAS)
David Lehman (Law)
Timothy McInerney (ASC)

On the BOOKSTORE committee, please delete the name of James J. Eyster. Following are names to be added to other committees.

Committee on Committees

Students: Jeffrey Sunshine (C '74)
Ray Hawkins (GSAS)

Conflict of Interest

Faculty: Anthony Tomazinis (City Planning)
Almarin Phillips (Economics)
Michael Cohen (Physics)

Educational Policy

Student: Robert Boyer (C '73)

Faculty Grants and Awards

Faculty: Shiro Takashima (Electrical Engineering)

Library

Faculty: Mitchell Lit (Chemical Engineering)
Student: Sander Ross (Law)

Student Health Advisory

Faculty: Edward Korostoff (Dental Medicine)

Undergraduate Admissions

Administration: Sylvia Brown (Office of the Dean of Students)
Faculty: Jean V. Alter (Romance Languages)

University Facilities

Chairman: Robert Lucid (English)

ALMANAC: 515 Franklin Building, Ext. 5274

EditorKaren C. Gaines

Assistant EditorMargaret M. McIlmoyl