

Almanac

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The Dictates and Dilemmas of Circular A-21: Accountability Measures Confront Faculty

The title rings of government red tape and bureaucracy: *Office of Management and Budget Circular A-21: Cost Principles for Educational Institutions*. For research universities like Pennsylvania, OMB A-21 will be a troublesome, but absolute fact of life after July 1. OMB A-21 is a set of regulations for universities outlining which direct and indirect research costs can be recovered by the university through federal grants. Direct costs include salaries of those performing the research, employee benefits, supplies, travel expenses and other costs identified directly with the program. Indirect costs

include library expenses, and utility, maintenance and administrative costs.

To recover these costs with a government grant, the University will require faculty and much of the professional and support staff to file effort reports: statements indicating how their time is allocated among different duties.

The regulations are part of an increasing concern by the federal government for research accountability. Very few cases of fraud have been reported in the use of grant funds; "if we were to calculate that percentage among colleges and universities, it's ludicrously small," said Louis Girifalco, vice provost for research.

Concern over the accountability of government research funds has not always been this intense. Before 1958, government-sponsored grants were not audited, and checks were sometimes delivered directly to the principal investigator rather than to the institution supporting his work.

In preparation since 1977, the first draft of A-21 was "highly undesirable" said Professor Donald Langenberg, physics, a member of the Council on Governmental Relations (COGR). Along with the Association of American Universities, the Association of American Medical Colleges and the American Council on Education, COGR helped negotiate for more manageable and reasonable guidelines.

Both Langenberg and Comptroller Dennis Dougherty said that the original guidelines were unacceptable to the academic world. Among other things, those guidelines failed to include as recoverable items such basic indirect costs as library expenses, Dougherty pointed out.

When the Office of Management and Budget "put it out on the street for comment" COGR responded "with about a hundred pages of detailed comment," Langenberg said.

(continued on page 6)

Trustees Hike Tuition, Sell WEFA

Faced with double-digit inflation, the Trustees Executive Board last week approved a tuition increase to match.

The tuition increase, and approval of the sale of Wharton Econometric Forecasting Associates (WEFA) to the Ziff Corporation, were the major actions taken at last Thursday's stated meeting of the Trustees Executive Board.

Undergraduate tuition and fees at the University will increase \$730 for the 1980-81 academic year, a 13.85 percent hike that raises tuition and fees from the current \$5,270 to \$6,000.

Graduate tuition and fees are slated to increase 13.62 percent, from \$5,545 for the present academic year to \$6,300 for 1980-81. Tuition for professional students in the schools of dental medicine, medicine and veterinary medicine will be determined on or before April 15, depending on budget requirements now being developed.

Part-time tuition and fee rates will be increased proportionately from those for the current academic year.

In recommending these increases to the Executive Board, University President Martin Meyerson noted that educational institutions suffer more than any other groups in inflationary times, and added that "the burden grows greater with the years."

"Our aim has been to keep the increases in tuition as low as we can, and salaries and wages as high as we can," he said.

The sale of WEFA to the Ziff Corporation, a New York-based magazine publisher, comes after several months of negotiations.

A non-profit organization owned by the University, WEFA is widely known for its national quarterly economic forecasts and computer models.

The Board's resolution did not disclose the proposed purchase price because, explained John Eckman, chairman of the Trustees committee on Budget and Finance, it is a "very complicated offer" and a "very complex agreement" dependent on many variables.

The following are reportedly among the

(continued on page 2)

Inside

• The University Council last week discussed the proposed guidelines on sponsored programs, and the University's relationship to the United Way, page 3.

Trustees Executive Board

(continued from page 2)

terms of the agreement: retaining the University's right to use the forecasts and data from WEFA, maintaining WEFA operations and headquarters close to the University campus, retaining current WEFA personnel, repaying several loans made or guaranteed by the University.

Economics Professor Lawrence R. Klein founded WEFA more than 15 years ago with 20 major corporations as purchasers of WEFA's forecasting service. Since then, the firm has expanded with hundreds of members across the country and models of many parts of the economy.

Trustee Chairman Paul Miller, Jr. reported to the Executive Board on the

progress of the University's Program for the Eighties, for which he is also chairman. The University has currently raised \$234.5 million of the campaign's \$255 million goal, Miller said.

"I'm optimistic at this point [about reaching the goal]," Miller said, "given what we have in the works."

In other fund-raising efforts, Miller reported that the annual giving campaign is 2,700 donors ahead of last year, and that a special telephone and mail solicitation program had received about \$3.4 million so far this year. "We hope to hit \$5 million on that aspect [of fund-raising efforts]," he said. "Most of these people would not have given without that particular solicitation."

Regarding the University's financial picture, Vice President for Budget and Finance Jon C. Strauss reported that despite the "unpleasant surprise this fall of sharp increases in energy costs" he expects the university to operate with a balanced budget for the current fiscal year.

The balanced budget will be achieved with some "slowdown on plans to repay the deficit in new residences," but this "does not slow down our resolve to repay in the future," he said.

Strauss added that his office is currently working on plans for fiscal year 1980-81.

In other action, the Executive Board:

- approved the sale of UNI-COLL, the computing service located in the University City Science Center, to the RAC Corporation.

- agreed to the University's membership in the Greater Philadelphia Organization for Clinical Trials. The corporation is being formed to improve the efficiency of testing new pharmaceuticals through coordination of medical resources in Philadelphia. Other initial members include the Greater Philadelphia Partnership, Thomas Jefferson University, Temple University, Medical College of Pennsylvania, Hahnemann Medical College and Hospital, and the Philadelphia College of Osteopathic Medicine.

- designated the following people as University nominees to the Presbyterian-University of Pennsylvania Medical Center Board of Trustees: James G. Calhoun, Richard L. Duffield, Clifford E. Frishmuth, Charles Kenkelen, Harry G. Kuch, Paul M. Pitts, Laird H. Simons, Jr., Geoffrey Stengel, Robert G. Ward, Richard G. Dunlop, Maximilian Martin, Lillian S. Brunner and Thomas W. Langfitt.

- appointed Arthur M. Bueche, Edward G. Jefferson and Allen S. Russell to the Board of Overseers of the School of Engineering, each for a three-year term effective immediately. Bueche is vice president for research and development at the Research and Development Center of the General Electric Company in Schenectady, N.Y. Jefferson is president of E.I. duPont in Wilmington, Del. Russell is vice president for research at Alcoa Research Labs, Aluminum Company of America.

- voted to change the name of the department of chemical and biochemical engineering to the department of chemical engineering. The change had been requested by the chairman and faculty of the department who felt the new name would better reflect the instruction and research actually being pursued.

- increased the number of members on the Investment Board of the University from 11 to 12 and elected F. Stanton Moyer an additional member of the board.

—C.A.V.

'Almanac' Acting Editor Named

The ALMANAC Advisory Board is pleased to announce that, as of this issue, it has designated Ms. C. Anne Vitullo as Acting Editor of ALMANAC. Ms. Vitullo, in fact, has been responsible for the last three issues since the former editor Mr. Cable Neuhaus announced his resignation.

Ms. Vitullo edited the Syracuse University *Alumni News* (1978-79); and served as Assistant Editor in the Syracuse University Publications Office (1977). She earned a B.S. degree with honors from Cornell University (1977), where she was a reporter for the

Cornell Daily Sun; and where she helped found *The Ithaca Post*, a weekly student/community newspaper.

In 1978 she was awarded an M.A. degree in magazine journalism at Syracuse University. She is a member of the Society of Professional Journalists/Sigma Delta Chi.

The Board would also like to announce that it has undertaken a formal search for a new permanent editor. Applications and nominations are welcome.


Robert Lewis Shayon

Chairman, ALMANAC Advisory Board

Holiday Policy

Provost Vartan Gregorian wishes to remind faculty and students that April 1 and 2 (Tuesday and Wednesday) are the first two days of Passover and April 4 is Good Friday. No examinations shall be given or assigned work made due on these days.

Monday, April 7 and Tuesday, April 8, are the last two days of Passover which some students may also plan to observe. According to the religious holidays policy (ALMANAC, February 20, 1979), those students who wish to observe these two days should have contacted their instructors at the beginning of the spring term so that alternate arrangements should have been made, if necessary, for the convenience of both the students and the faculty. Those students who have made appropriate arrangements are entitled to make-up examinations if exams are scheduled to be given on these two days.



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Council Discusses Research Guidelines, United Way Ties

The University Council last week directed the Council Steering Committee to re-examine the proposed *Guidelines and Integrated Statement of the University of Pennsylvania Policy on Conduct of Sponsored Programs*.

That action was recommended at last Wednesday's meeting after Council listened to discussion on the proposed guidelines and took an informal vote—meant to advise the Steering Committee—that indicated strong opposition to dual regulations for foreign and domestic sponsorship.

Section 12 of the proposed guidelines would require sponsors and donors to comply with the University's non-discrimination policy and would subject agreements with foreign sponsors to review for academic worthiness. (See ALMANAC, 28 February 1980 for the full text of the proposed guidelines.)

Among those with reservations about the guidelines was Professor Bernard Wailes, anthropology, who, in a March 10 letter to the Council, questioned whether the guidelines "place unreasonable restrictions on a considerable portion of the extensive research carried out outside the U.S. by members of this University."

He defined the pertinent issues as academic freedom versus "both the University's interests as a corporate body and the University's concern for possible discrimination against its members."

"Clearly unbridled academic freedom could conflict with either of the latter legitimate and proper concerns," he wrote. "The questions are: what limits to academic freedom are acceptable in principle? and

how can those limitations be implemented effectively and fairly?"

Said Vice Provost for Research Louis Girifalco: "Adopting a policy on sponsored programs is a very serious matter because so much of our research relies on external funds. If not wisely constructed, these guidelines can be a source of inhibition."

In particular Girifalco said he disagrees with the section on foreign sponsors and donors because he does not believe it represents "a practical approach to discrimination."

The proposed guidelines were drafted to replace the 1978 Interim Guidelines drawn up when the University was confronted with a proposal for cooperative work with a Libyan institution sponsored by Colonel Khaddafi's government.

The Steering Committee was slated to consider the proposed guidelines yesterday, Professor Walter Wales said Tuesday.

Commenting on possible action in Steering Committee, Wales said they could decide to revise the guidelines themselves, or to appoint a special task force or committee to work on revisions.

The Council also heard discussion last week on the University's relationship with the United Way of Southeastern Pennsylvania. President Martin Meyerson, Provost Vartan Gregorian and Professor Walter Wales met with United Way Executive Director Robert Reifsnnyder last week to clarify the organization's position on a number of issues.

That meeting was called in light of publicity surrounding a 1975 agreement between the Catholic Archdiocese of Phila-

delphia and the United Way that the latter would not fund agencies whose activities are contrary to Church teachings. Agencies that provide abortion assistance have allegedly been denied United Way funding because of this agreement. The Catholic Church is morally opposed to abortion.

Some members of the University community have called for the University's withdrawal from the annual United Way campaign because of the controversy.

Among the questions University officials asked the United Way last week was whether the understanding between the United Way and the Archdiocese had given the Church veto power over United Way procedures. There is some concern that the agreement might have given the Church the right to tell United Way which agencies it could—and could not—fund.

Gregorian reported that Reifsnnyder told them the United Way "had a long-standing policy of not funding controversial programs," and that the policy had held true before the Archdiocese had merged the Catholic Charities Appeal with the United Way.

"While the United Way does not fund agencies that provide direct abortion services," Gregorian reported, "we learned that they do help people who seek family planning counseling. This practice is not in complete opposition to the teaching of the Catholic Church."

The Steering Committee was also expected to discuss the United Way imbroglio yesterday. Wales said the committee could frame resolutions for the consideration of the full council.

The next University Council meeting is set for Wednesday April 9 at 4 p.m. in the Council Room of the Furness Building. Among the items likely to appear on the agenda: a report from the committee on community relations, a report from the committee on safety and security, further discussion on the policy on sponsored programs, and a discussion on energy problems from Vice President for Operational Services Fred Shabel. —C.A.V.

Deaths

Julie Revsin, a graduate student in the Annenberg School of Communications, died on March 21. She was 25.

An autopsy revealed that Revsin had been murdered, with death attributed to bleeding from knife wounds. Her body was discovered by her roommate, Thomas Wheelock, at 3:15 p.m. last Friday. The apartment had not been broken into and the autopsy revealed no signs of assault. No suspects are being held.

She was in her second semester in the Annenberg School's masters program. Her undergraduate years were spent at Lake Erie College, near Cleveland. She is survived by her mother, Mrs. Ann Revsin; a sister, Elsa; and a half-brother, Ethan. A memorial service was held Monday in the Annenberg School.

Edward S. Lieblein, a graduate student in classical archaeology, died on March 5. He was 33.

Leiblein came to the University in 1976 intending to earn his Ph.D. He had completed all of his preliminary work and was writing his dissertation.

He is survived by his wife, Aviva.

Sylvia Gorchov, an office manager in the obstetrics and gynecology department, died on March 13. She was 62.

Gorchov came to the University as a secretary in 1960; she was promoted to medical records assistant in 1973; and became office manager in 1977. She is survived by her son, Robert.

Worth Noting

- The Women's Studies Program will host a conference on *Roots and Realities: Changing Images of Women in Family and Community* on Friday, April 11 in the Rainey Auditorium of the University Museum.

The conference is free, and open to the public. For more information, call the Women's Studies Program at Ext. 8740.

Centenary Celebration Honors Memory of Brister

In the fall of 1879, James Brister entered the University's School of Dental Medicine. Two years later he received a Doctorate of Dental Surgery (D.D.S.) and became the first black to graduate from the University of Pennsylvania.

As the 100th anniversary of Brister's graduation drew near, it was the hope of the Black Faculty and Administrators (BFA) at the University that observance by the University community would correspond to the historical significance of the event.

In order to mark the occasion, the BFA, in consultation with the School of Dental Medicine and other faculties, formally submitted a proposal for commemorative celebration to President Martin Meyerson and Provost Vartan Gregorian, who responded with enthusiastic support.

"The centenary affords the University community a unique opportunity to appreciate the rich and varied contributions of the University's black alumni and to focus on the University's continuing commitment to a vital and viable black presence," Meyerson said.

"I hope this event will highlight the depth of commitment and the sense of community which are so necessary as the University moves into its second century of involvement with the education of blacks in this country and around the world," Gregorian said.

The provost has established an advisory

committee, representing diverse organizations and schools, as well as the University's Development Office. The members of the committee recommended unanimously that the president and provost jointly seek the approval, endorsement and support of the University's trustees to mark this historic occasion. At their Stated Meeting of January 18 the Trustees adopted the following resolution:

"Resolved, that the Trustees of the University of Pennsylvania welcome the 100th anniversary of the awarding of a degree to Pennsylvania's first black graduate, authorize that the centenary be cele-

brated during the 1980-81 academic year, and encourage the president and the provost to take appropriate measures to mark this occasion with scholarly and cultural events, including the holding of a University convocation."

"Trustee adoption of the resolution turned a BFA proposal into a University program," said Law Professor Ralph Smith. "This endorsement has reinforced the University administration's commitment to ensure that we have a fitting celebration to mark the occasion and that we raise the necessary funds."

(continued on page 5)

University archivist F. J. Dallett has uncovered the following information about James Brister and two other students who were among the first blacks to attend the University—which he shared with ALMANAC:

James Brister was one of four black students who entered the University in 1879: two in the medical department, one in the College (now the Faculty of Arts and Sciences) and Brister in the department of dentistry. He received the degree of D.D.S. in 1881 and, it is believed after extensive research, that Brister thus became the first black to receive an academic degree from the University.

Brister went on to practice his profession

in Illinois and died in 1916. The next black student to follow a Pennsylvanian in the Dental department was Sabourin Holly, a member of a distinguished clergy family in the republic of Haiti who received a D.D.S. in 1890. Far better remembered in Philadelphia, however, is Vivian Pennock Bailey D.D.S. 1911, who practised dentistry here for more than 50 years until his death in 1964.

In the fall of 1879, James Brister entered the University's School of Dental Medicine. Two years later he received a Doctorate of Dental Surgery (D.D.S.) and became the first black to graduate from the University of Pennsylvania.

On Campus

March 20-March 29

Items for On Campus should reach the Almanac office by noon the Thursday preceding desired publication.

27, Thursday

Blood Drive: The University Hospital will collect blood at the School of Medicine from 11:30 a.m.-6 p.m.

Discussion: Interacts will hold an after-performance discussion with the cast and crew of *Love Letters on Blue Paper* at 2:30 p.m. in Annenberg Auditorium.

Lecture: The Undergraduate Psychology Society present Dr. Sally Green, psychiatry, on *Marriage Counseling and the Problems College Students Face* at 4:30 p.m. in Stiteler Hall, room B-6.

Music: The Penn Singers perform Gilbert and Sullivan's *The Mikado* in the Zellerbach Theatre at 8 p.m. Tickets are \$4 general, \$3.50 students.

Movies: International Cinema presents *The Stud Farm*, a Hungarian film, at 7:30 p.m. and *Koko, A Talking Gorilla*, at 9:30 p.m. Admission for each feature is \$2.

Seminar: The Center for the Study of Aging brings Elaine Brody of the Philadelphia Geriatrics Center to the auditorium of the Colonial Penn Center at 4 p.m. to discuss *Aging and the Family*.

Sports: The NCAA men's swimming finals take place at Harvard through Saturday, and the national women's fencing tournament meets at Ohio State University in Columbus through Saturday.

Theatre: *Love Letters on Blue Paper* continues through April 6 at the Annenberg Studio Theatre. For times and ticket information, call Ext. 6791.



The Penn Singers decorate the Bookstore wall with an advertisement for *The Mikado*, Gilbert and Sullivan's comic opera. Part of Artsfest '80, the production runs through Saturday. Check daily listings for times.

28, Friday

Alumni Event: Mask and Wig hosts Class Night at its clubhouse, 310 S. Quince St., with a performance of *Daze A Vu* at 6:30 p.m. Admission, including show and dinner, is \$20.

Continuing Education: The continuing medical education program sponsors a course on Therapy in Neurology in Dunlop Auditorium of the Medical Education Building. Dr. Austin Summer is the course director.

Discussion: Interacts will host a discussion of the production of *Love Letters on Blue Paper* after the play at 9:30 p.m. in Annenberg Auditorium.

Ice Skating: The Ice Skating Club meets every Friday afternoon, 4-6 p.m. in the Class of 1923 Ice Rink.

Movies: International Cinema presents *Koko, A Talking Gorilla* at 4 p.m. in the International House for \$1, followed by *Imposters* at 7:30 p.m. and *The Stud Farm* at 9:30 p.m. Admission is \$2 for each screening; director Rappaport will discuss his *Imposters* after it is shown.

Music: The Penn Singers production of *The Mikado* continues at the Zellerbach Theatre with performances at 1 p.m. and 8 p.m.

Theatre Workshop: The Theatre Workshop 251 will present a program of student works in the Studio Theatre of the Annenberg School at 8 p.m.

29, Saturday

Dance: The Penn Dance and Mime troupe will perform in the Harold Prince Theatre at 2 and 8 p.m. Admission is \$2 for students; \$3.50, general admission.

Demonstration: A rose pruning demonstration will be sponsored by the Morris Arboretum in the Rose Garden from 1-3 p.m.

Provost Named to Board

(continued from page 4)

Professor Samuel Sylvester of the School of Social Work, president of the BFA, added, "there will be a number of committees working on the events. In addition to an historical exhibition, the centenary program may include cultural, artistic and scholarly events. Faculty, students and administrators from all over the University will comprise these individual committees, and a central committee will oversee the coordination of all the events. The details of various programs and events scheduled for the 1980-81 academic year will be announced in the near future."

"It is important to note that the centennial celebration will involve the entire University," said Smith. "It will focus the attention of the University on the past with a view toward the future. It affords the University an opportunity to address the myriad issues facing the black community in the city, in the region and in the nation."

Beyond this, it is the hope of Sylvester, Smith and the rest of the BFA that from the centenary will emerge a coordinated program which can serve as a vehicle for a major development drive to assure permanent funding for black presence programs.

—Ron Francis

Provost Vartan Gregorian has been asked by the Italian Ministry of Education to serve as the United States representative on the editorial board of a new journal called *Universitas*. The journal will be published by the Ministry in cooperation with the other cultural and educational institutions of the European Common Market.

The president of the Permanent Conference of Rectors of European Universities, the president of the International Associa-

tion of Universities, the president of the Special Committee of the European Communities for University Problems, the Chairman of the Italian National Research Committee and the Chairman of the Accademia dei Licei have also been appointed as members of the board.

The inaugural meeting of the board was held on March 7 at San Miniato (Pisa). Gregorian attended the meeting as a guest of the Italian ministry.

Michener Chosen Baccalaureate Speaker

Pulitzer prize winning author, James A. Michener, was named as the speaker at the University's baccalaureate ceremony this year. President Martin Meyerson announced last week.

Michener, 73, has written 25 books including the best sellers: *Centennial*, *Chesapeake* and *Hawaii*. He won the Pulitzer Prize for his *Tales of the South Pacific*, published in 1947.

Michener graduated summa cum laude from Swarthmore College, then did

research at a number of universities including Pennsylvania.

The baccalaureate ceremony will be held Sunday, May 18, at Irvine Auditorium.

The University's commencement exercises will be held Monday, May 19. The main speaker will be Lord Noel Gilroy Annan, chief executive officer of the University of London and an internationally known scholar and educator.

Movie: The University Museum Children's Film Series presents *Cassandra Cat* at 10:30 a.m. in Harrison Auditorium. Free.

Music: The Penn Singers stage the light opera *The Mikado* in the Zellerbach Theatre at 8 p.m.

Symposium: The Veterinary School hosts a feline symposium at the University Museum. Call Ext. 4234 for more information.

30, Sunday

Demonstration: Morris Arboretum sponsors Paul Meyer and Jane Herrman on *A Garden For the Birds* at the Academy of Natural Sciences at 3 p.m.

Music: The Philadelphia Folk Song Society and the National Association for Foreign Student Affairs hosts *American Traditions in Music, Dance and Crafts* at the International House at 1 p.m. Admission is \$1, general public, and is free to foreign students.

Sports: The men's volleyball team takes on George Mason University at 1 p.m. in Weightman Hall.

31, Monday

Lectures: The Administrative Assembly hosts another Brown Bag Seminar with Lee Stetson director of admissions, in the Harrison-Smith-Penniman Room of Houston Hall at 1 p.m.

The English department hosts Morse Peckham, professor of English and comparative literature at the University of South Carolina on *Romanticism in Nineteenth Century Literature* at 4 p.m. in room B-3 of the Fine Arts Building.

The department of the history and sociology of science presents Lew Pyenson of the Universit  de

Montreal on *Exact Science and Imperialist Strategies: Germany in South America, the Pacific and China, 1890-1930* in Seminar Room 107 of Smith Hall at 4 p.m.

The Annenberg School of Communications hosts Ann Aldrich, professor of law at the Cleveland State University Law School on *Politics and Technology at the World Administrative Radio Conference, WARC, Geneva, Switzerland, 1973* in the colloquium room of the Annenberg School at 4 p.m.

2, Wednesday

Lecture: The Language in Education colloquium series presents Barbara H. Smith *On Defining Literature* at 7 p.m., Room B-21, Stiteler Hall.

Movies: Exploratory Cinema presents *Dialectic Definitions and Argument* at the Studio Theatre of the Annenberg Center at 7 and 9:30 p.m. Admission is \$2.

3, Thursday

Lecture: The South Asia program features Kenneth Bryant of the University of British Columbia on *Strategies of Communication in Vaisnava Poetry* at 11 a.m. in Classroom 2, University Museum.

The Department of Materials Science and Engineering and the LRSM sponsor a lecture on *Recent Developments in the Powder Metallurgy of Structural Materials* by Dr. J. E. Smugersky of the Sandia Laboratories, in Livermore, California at 4 p.m. in Room 105 of the LRSM Building.

Phi Delta Kappa will host Dr. Robert Scanlon, Secretary of Education for the Commonwealth of Pennsylvania on *School Improvement: Educational Trends for the 80s* in the Faculty Club at 7 p.m.

Theatre: Intuitions, a new student theatre group devoted to the experimental presents Firesign Theatre's *Nick Danger, Third Eye* through Saturday in Bennett Hall. Gene Alper directs; set design is by local artist Steven Lowy. For ticket information, call Alper, at 382-7295.

5, Saturday

Continuing Education: The School of Medicine continuing education series explores *Commonly Encountered Skin Problems by the Primary Care Physician*. Call Ext. 2544 for more information.

Meeting: The Pennsylvania Folklore Society will conduct its annual meeting in Houston Hall beginning at 8:45 a.m. Panel discussions, square dancing, and wine and cheese can be had for \$6; call Ext. 7352 for more information.

Continuing Exhibits

Sir Peter Sheppard: Collected Works in the Faculty Club Lobby, Monday through Friday, 9 a.m.-9 p.m.

The Shadow Catcher: E.S. Curtis in the University Museum, Tuesday through Saturday, 10 a.m.-5 p.m., Sunday 1 p.m.-5 p.m.

Urban Encounters at the Institute of Contemporary Art in the Fine Arts Building, Mondays, Wednesday-Friday, 10 a.m.-5 p.m., Tuesday, 10 a.m.-7:30 p.m., weekends 12-5 p.m.

Costume Exhibition in the Annenberg Center Lobby through March 29.

Henri Labrousse, 1801-1875, in the Graduate School of Fine Arts, 4th floor space, Monday-Friday, 9:30 a.m.-5 p.m., through April 25. The show commemorates the 100th anniversary of the architect's death.

A-21 and Accountability: Costs of Reporting

(continued from page 1)

That commentary and the remarks of other groups and individuals combined with OMB's ideas to produce the present document.

Thus, the current version is a compromise. Like many compromises, it has an uneasy acceptance. Both faculty and administration complain of the burdens placed on them by the guidelines.

Among the problems pointed out by University officials are:

1. varying standards for allowable costs that enable profit-making enterprises to recover costs that not-for-profit institutions like universities cannot;
2. effort reports which promise to cause an administrative paperwork nightmare;
3. an end to the use of tuition remission from the employee benefit pool for graduate student assistantships.

Dougherty pointed out three problems of "omission," in which the federal government refuses universities costs which are permitted to commercial researchers. First, government grants in the commercial sector allow for the payment of a portion of interest expenses if money were borrowed, for example, to meet a payroll or other imminent expense. However, under the present guidelines universities are not allowed to recover these costs.

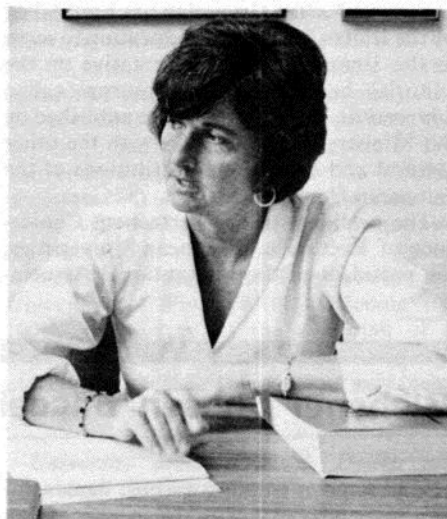
Second, commercial researchers are allowed to write off the costs of independent research and development while universities cannot do so. Independent research and development often provides the basis from which new research programs are developed to a point where they can qualify for federal funding.

Finally, Dougherty noted that university capital campaigns to raise funds for research buildings cannot be funded even indirectly through grants. "We are told that the cost of soliciting funds [from alumni]—even if a direct benefit to research can be demonstrated—is not a reimbursable expense," he said.

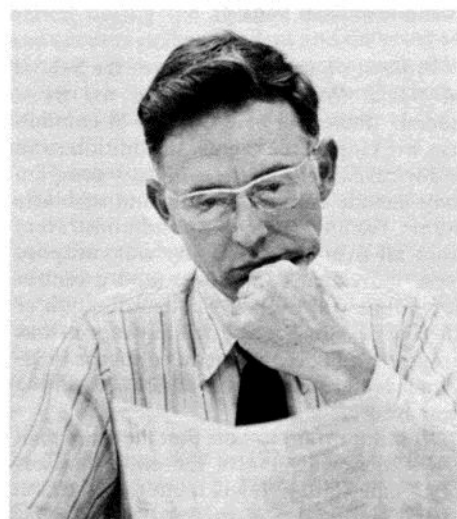
Dougherty is also displeased with the guidelines' implication that universities are fiscally irresponsible. He pointed out "that while only 8 percent of HEW's budget goes to universities, 26 percent of their audit effort is aimed toward them."

The new guidelines are "an additional degree of oversight that is unnecessary," he said. The \$70-80 million the University receives in federal grants is only part of a budget of \$400 million, he reflected, and "we have demonstrated the ability to manage that larger sum responsibly."

Dougherty estimated that the new regulations will cost the University more than \$500,000 the first year, although in theory



Nursing Professor Barbara Lowery, president of the University's chapter of AAUP, represents a "conservative" but concerned stance on OMB's principles. Faculty Senate Chairman Walter Wales, physics, worries that "they have the potential to change the way we go about things."



Dianne Felton

the University should recover some of this cost from the federal government.

Anthony Merritt, director of research administration, added that the bases which the University may use to calculate indirect costs have been rigidly proscribed in the new guidelines. While the previous cost principles allowed several ways of doing this, the new guidelines "ignore the diversity" of universities.

"We will have to account for things in a way we wouldn't do normally," Merritt said, citing the effort-reporting forms and new cost studies which will have to be undertaken to conform to the government's methods.

He called the new guidelines "a move toward precision" in accounting for research funds, and thought that the University could eventually benefit from this focus as it will have a very documented knowledge of its research costs.

Girifalco noted that effort-reporting will be the biggest difficulty for the faculty as they all will have to complete forms whether or not they are receiving direct grant monies.

"Faculty members find it hard to compartmentalize intellectual activity into boxes," Girifalco said. "People who have worked on sponsored programs for a long time have kept records on how they allocate their time on a research project. For people not accustomed to doing this, it's going to be difficult."

Langenberg reiterated this point. "The principal objection is that you're being asked to disentangle something with a precision which most faculty will find impossible," he said. "The effort reports would not be an honest characterization of the situation, because they call for precise classification of activities which fulfill several purposes simultaneously."

Professor Walter Wales, chairman of the Faculty Senate, agreed. "The forms are useless," he said. "If people began to think about what they're doing with the forms in mind... they have the potential to change the way we go about things."

Dougherty explained the tangled web these forms potentially could weave. Suppose that a surgeon at the Hospital was principal investigator on a federal grant and performed a newly developed surgical procedure on a patient in an operating theatre filled with medical students. What percentage of his time would be considered research? What part instructional? And what portion should be categorized as clinical service? For many faculty members, paradoxical situations like this are not far-fetched.

The problem with effort reporting, those interviewed seemed to agree, is that it treats "the production of knowledge as if it were like the production of toothpaste," Langenberg said. The government expects to be able to measure an end product, Wales pointed out, yet, scholarship does not necessarily yield an end product.

Also under the A-21 guidelines, the cost of tuition for research and teaching assistants will no longer be paid from the employee benefits pool. Tuition will be charged directly to the research grants for research assistantships, or to the individual budgets of their schools for teaching assistantships. This will subtract further from the funds available for other research purposes.

The University must shift or discover nearly \$1 million, Langenberg predicted, in order to continue providing remitted tuition

(continued on page 8)

Opportunities

The following listings are condensed from the personnel office's bulletin of March 20. Because of the delay occasioned by printing schedules, these listings should not be considered official. Some positions may no longer be available.

Bulletin boards at several campus locations list full job descriptions. New listings are posted every Thursday. Bulletin board locations are: Franklin Building: outside personnel office, Room 130; Towne Building: mezzanine lobby; Veterinary School: first floor, next to directory; Leidy Labs: first floor, outside Room 102; Anatomy-Chemistry Building: near Room 358; Rittenhouse Lab: 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/Caster Building: first floor; Richards Building: first floor, near mailroom; Law School: Room 28, basement; Dietrich Hall: first floor, outside E-108.

For further information, call personnel services, Ext. 7285. The University is an equal opportunity employer. Where qualifications include formal education or training, significant experience in the field may be substituted. The two figures in salary listings show minimum starting salary and maximum starting salary (midpoint). Some positions listed may have strong internal candidates. If you would like to know more about a particular position, please ask at the time of the interview with a personnel counselor or hiring department representative. Openings listed without salaries are those in which salary is yet to be determined.

Administrative/Professional

Accountant I (2694) \$10,375-\$14,375.
Assistant Director (2831).
Assistant Director Annual Giving II (2870) \$14,850-\$20,550.
Assistant Director, Textbooks (2887).
Assistant Director for Utilities (2789) \$18,625-\$26,250.
Associate Development Officer III (2541) \$18,625-\$26,250.
Associate Director (B113) \$14,850-\$20,550. No longer accepting applications.
Associate Director of Athletics (2710) \$21,450-\$30,225.
Business Administrator I (B235) \$10,375-\$14,375.
Career Counselor (2631) \$12,900-\$17,850.
Data Production Operations Manager (2894) Manage administrative data including data entry, production control, data control, and high speed remote operation COM center and optical scanning; negotiate contracts with vendors of computer supplies, hardware and software services (business degree; 5 years operations management of midsize IBM data center; ability to deal with vendors of DP services; ability to perform hardware and software evaluations; ability to do hardware planning) \$16,125-\$22,725.
Deputy Director (02651).
Director (02923) responsible for the maintenance of buildings, grounds, and hard surfaces throughout major urban campus; management of a large utility distribution system; responsible for reviewing new construction plans and specifications; prepares and administers large department budget (10 years experience in management of complex facilities; knowledgeable of utilities, maintenance, landscaping, cost accounting, and labor relations) \$28,325-\$39,950.
Director of Admissions and Financial Aid (2798) \$16,125-\$22,725.
Director of Communications (2724) \$28,325-\$39,950.
Director of Fiscal Operations develops school and department budgets; monitors expenditures; prepares financial and statistical reports; supervises exempt and non-exempt personnel (B.A., M.B.A. preferred; 5 years business experience) \$14,850-\$20,550.
Director, Upperclass Admissions (2752) \$12,900-\$17,850.
Editor (2905) \$16,125-\$22,725.
Education Coordinator I administers a curricular and placement program in alternative careers for Ph.D.'s; organizes the application and admissions process; monitors expenditures; writes literature describing the program; works with faculty, administrators and

businesspeople (teaching experience; advanced degree preferably in the humanities; some academic administrative experience; familiarity with national employment and academic situation) \$10,375-\$14,375.

Executive Assistant for Development and University Relations (27772) \$24,650-\$34,750. No longer accepting applications.

Financial Analyst (2824) \$14,850-\$20,550.

Foreman, Repair and Utility (2689) \$12,900-\$17,850.

Heating/Ventilating Instrumentation Control Foreman (2790) \$12,900-\$17,850.

Junior Research Specialist (4 positions) \$10,375-\$14,375.

Junior Research Specialist (2 positions) (B265) prepares tissue culture; performs animal surgery, cellular preparation and coordination of several transplant projects (B.A.; two years lab experience); (B269) transplant tumors from rats, examine tumors, follow-up evaluation of tumors, decapitation of rats, work-up of biological samples; use of centrifuge, spectrophotometer, high pressure liquid chromatography (B.S. or equivalent experience) \$10,375-\$14,375.
Librarian I (2767) \$11,250-\$15,850.

Programmer Analyst II (2 positions) \$14,850-\$20,550.

Project Manager (2433) \$16,125-\$22,725.

Regional Director of Admissions (2592) \$14,850-\$20,550.

Research Coordinator (B267) system management of on-line computer models and storage facility with time-sharing facilities; investigations of alternative methodologies using federal cost estimation models; systematic investigations of existing data of the American family (analytic and computer programming skills and experience; economist preferred) \$12,900-\$17,850.

Research Specialist (B261) biomedical research using stable isotopes and a mass spectrometer (B.S.); familiarity with high vacuum system; knowledge of electronics preferred; training in mathematics, physics and chemistry) \$11,250-\$15,850.

Research Specialist III (2 positions) \$14,850-\$20,550.

Research Specialist IV (B0223) \$18,625-\$26,250.

Senior Systems Analyst \$16,125-\$22,725.

Superintendent of Construction and Repairs (2690) \$14,850-\$20,550.

Supervisor, Mechanical Systems (2791) \$14,100-\$17,850.

Support Staff

Administrative Assistant (B259) \$7,975-\$10,150.

Administrative Assistant I (2 positions) (B0175) preparation of faculty dossiers; follow-up correspondence for associate dean; preparation of speeches, articles, etc. (degree in English or business; ability to express ideas clearly; some knowledge of computers) (2803) orders supplies for department; completes tuition and process forms; monitors budgets; collects and processes student fees; explains department policies (high school graduate; good typing skills; some admissions experience) \$7,975-\$10,150.

Administrative Assistant II (B253) \$7,975-\$10,150.

Admissions Assistant (2 positions) (2877) \$8,625-\$10,950; (2889) \$7,975-\$10,150.

Assistant to Loss Prevention Specialist (2855) \$6,850-\$8,775.

Bookstore Clerk (2 positions) (2926) responsible for book returns to major publishers; must drive truck to pick up orders and make returns (college degree or equivalent work experience; knowledge of practices and customs in retail field); (2927) responsible for pricing, stocking, arranging and presentation of merchandise; responsible for communication of stock level information to buyer (college degree or equivalent work experience; knowledge of practices in retail field) \$5,500-\$7,000.

Clerk III (2880) \$6,875-\$8,750; nine-month position.

Coordinating Assistant (2 positions) \$8,625-\$10,950.

Electrician I (2794) Union wages.

Electron Microscope Technician II (A913) \$9,650-\$12,225.

Engineer (2854) Union Wages.

Executive Secretary to the Vice President temporary full-time position serving as confidential secretary to senior administrative officer; maintains calendar; schedules executive meetings/conferences; screens incoming correspondence; compiles briefing files for all meets and conferences (high school graduate; 3 years

clerical experience; 3 years experience as executive secretary; statistical typing) \$10,000-\$12,725.

Herdsman I (B90) \$5,500-\$7,025.

Library Clerk (2 positions) maintain files; check incoming books against purchase orders; oversees invoice processing; maintains single entry ledgers; maintains shelflist records; related duties as assigned; Union wages.

MCST Operator (2482) \$7,425-\$9,450.

Office Automation Operator (B220) \$7,375-\$9,375.

Project Budget Assistant (B249) \$7,975-\$10,150.

Receptionist (B242) \$5,900-\$7,525.

Receptionist (2925) receives visitors; directs personal and telephone inquiries to appropriate staff members; assists in general office functions (clerical aptitude; excellent phone manner) \$5,900-\$7,575.

Repairs Expeditor (2776) \$7,975-\$10,150.

Research Laboratory Technician II (2 positions) \$8,575-\$10,850.

Research Laboratory Technician III (3 positions) \$9,650-\$12,225.

Research Laboratory Technician III (B270) prepares reagents; purification and biochemical analysis of proteins; immunological analysis of proteins, paritally radioimmunoassay testing; laboratory supply order processing and equipment maintenance; maintains records of data and summary reports of data (college degree in biology, biochemistry or related field; direct research lab experience) \$9,650-\$12,225.

Residence Hall Clerk (2873) \$5,570-\$7,088.

Secretary II (9 positions) \$6,875-\$8,750.

Secretary III (12 positions) \$7,425-\$9,450.

Secretary IV (2901) \$8,625-\$10,950.

Secretary Medical/Technical (6 positions) \$7,975-\$10,150.

Secretary/Technician, Word Processing (2 positions) \$7,975-\$10,150.

Statistical Assistant (2874) \$8,625-\$10,950.

Store Cashier (2928) operates electric cash register for receipt of cash and checks; keeps records of cash receipts and cash transfers (high school graduate; accuracy for detailed clerical work) \$5,900-\$7,525.

Technician I (B92) \$7,575-\$9,600.

Technician Physical Laboratory II (B-0169) \$8,575-\$10,850.

Technician, Veterinary (2911) \$9,650-\$12,225.

Text Supervisor (2886) \$9,275-\$11,800.

Utility Person (2900) Union Wages.

Sixteen part-time support staff positions are listed on campus bulletin boards.

Davis is WARC Director

Peter Davis was appointed director of the Wharton Applied Research Center, effective April 1. Robert E. Mittelstaedt, the current director, will be returning to his position as director of the Wharton Innovative Center Program, upon completion of his interim appointment.

Davis is currently a member of the faculty of the social systems sciences unit and, until January, was co-director of the Busch Center. He has initiated and directed a number of federally sponsored research projects and has served as a consultant to public and private sector organizations in the United States, Holland, the United Kingdom, Mexico, Brazil and Venezuela. His writings have been concerned with the theory and practice of planned change.

Dr. Davis received an M.A. from Cambridge University, his M.Sc. from the London School of Economics and his Ph.D. from the University.

Books

Enos Eby Witmer: *Space, Time and Microphysics—A New Synthesis*. 189 pages. Washington, D.C.: University Press of America, Inc. \$8.85 (softcover).

This book represents the results of a long and thorough investigation of the numerical regularities in the masses of nuclei and elementary particles together with a consideration of the basic theory pertaining to these entities. The important conclusion obtained from this research is that the integers 3 and 4, which are respectively the number of dimensions of space and space-time play a dominant role in the basic theory of fundamental particles, elementary particles, and nuclei. The author calls the integers 3 and 4 and other integers derived from them the space-time magic numbers. Among these numbers are 6, 6^2 , 6^3 , (6^2+1) , $(6^2+1)^2$, 136, and the integral powers of the integer 2. Note that $136=4^2 \times (4^2+1)/2$. This idea enables us to understand the mysterious occurrence of the integer 3 at many strategic places in quark theory and the fact that no elementary particle is composed of more than 3 quarks or antiquarks. All of this leads to the conclusion that to unify quark theory, the special theory of relativity, and quantum mechanics, the concepts of space, time, and fundamental particles must be merged in a new synthetic concept just as the concepts of

space and time were merged by Einstein in his 1905 theory. In this new theory the masses and other properties of the fundamental particles, elementary particles, and nuclei will be functions of the space-time magic numbers and of the quantum numbers. Finally, the fundamental particles, namely leptons and quarks, will never be found to be composite because they are merely the manifestation of the synthetic complex concept of space, time and particles.

The integers or at least certain integers are turning out to be much more important in the basic theory of microphysics than ever suspected in the past.

Stanley J. Opella and Ponzy Lu: *NMR and Biochemistry: A Symposium Honoring Mildred Cohn*. 456 pages. Philadelphia, PA.: University of Pennsylvania Press. \$45 (hardcover).

The contributions to this volume were presented at a symposium honoring Mildred Cohn and reflect the breadth of her interests and correspond to some of the most exciting areas of biochemical research. The papers include NMR studies of proteins, nucleic acids and membranes, as well as approaches to this type of research in general from both

the magnetic resonance and biological points of view. The final section deals with detailed views of enzyme function, utilizing a variety of spectroscopic techniques. The book is an unusual offering to students and researchers in biophysics and biochemistry. Opella and Lu are associate professors of chemistry. Dr. Mildred Cohn is professor of biochemistry and biophysics.

Edward B. Shils, et. al.: *Industrial Peacemaker: George W. Taylor's Contributions to Collective Bargaining*. 244 pages. Philadelphia, PA.: University of Pennsylvania Press.

George W. Taylor's achievements in arbitration, mediation, wage regulation, and in the study of industrial relations are the mileposts in the history of labor relations in twentieth-century America. Taylor left an immense collection of speeches, articles, and a lifetime of arbitrations decisions upon his death in 1972. For a critical evaluation of his legacy, the authors of this volume have classified and appraised those aspects of Taylor's career that have had the greatest impact on society and government. Shils is professor of management and founder of the Wharton Entrepreneurial Center. George W. Taylor was on the Wharton School faculty until his retirement.

Albert L. Lloyd: *Anatomy of the Verb: The Gothic Verb as a Model for a Unified Theory of Aspect, Actional Types, and Verbal Velocity* (Part I: Theory; Part II: Application). 351 pages. Amsterdam, Holland: John Benjamins, Publisher.

Part I presents an integrated theory of the basic functions of the verb, precisely delimiting the boundaries of the interrelated and often confused categories of 'aspect', 'actional types', and 'the inherent capacity of each verbal concept to represent a certain degree of change'.

In Part II, a detailed analysis of the verb system of Gothic and a complete classification of its verbs according to the principles established in Part I serve to demonstrate both the applicability of these theoretical considerations and the presence of formal aspect in early Germanic. An index of verbs facilitates the use of this section as an independent reference work for Gothic. Lloyd is chairman of the department of Germanic languages.

Ronald E. Miller: *Dynamic Optimization and Economic Applications*. McGraw-Hill International Book Company. \$29.50 (hardcover).

An introduction to the techniques of optimal control theory (calculus of variations and the maximum principle) and their applications in economics and regional science, designed as a text for advanced undergraduates and graduate students, particularly in the social sciences. Miller is professor of regional sciences.

A-21 and Accountability

(continued from page 6)

to 500 teaching assistants in the Faculty of Arts and Sciences and the College of Engineering and Applied Science. Fortunately, the University has until July 1, 1981 to adjust its present system of tuition remission.

Wales pointed out, however, that the situation should not be blamed entirely on the government despite the "horrible transition problems" which will result from OMB A-21. "All this does is expose the fact that there is not a great deal of money for fellowships and teaching assistantships for graduate students," he said. He added that campaigns to raise money for these students have not had encouraging results.

Nursing Professor Barbara Lowery, president of the University's chapter of the Association of American University Professors, feared that "a threat to academic freedom is inherent in the effort reporting forms," if proper precautions concerning confidentiality are not taken.

Lowery and the chapter are urging both a local and national monitoring of the use of the information gleaned from the forms, she said, as it could be "misinterpreted and misused from both inside and outside of the universities."

Lowery suggested that possible infringements arising from misuse of the reports

could include monitoring productivity of professors or using them in tenure review.

The chapter has written a letter to Provost Vartan Gregorian asking for a statement insuring that the forms will be used only for the purpose for which they were intended.

"This is a relatively conservative position on A-21," she said. We're not happy but we'll work with it."

Lowery also lamented the fact that university faculties were not consulted in the framing of the guidelines. Because of this, she felt that most faculty members at the University probably have little concept of what the forms are like and the difficulties which may come up in completing them.

The University intends to comply with the regulations and several task forces have dealt with the issues of effort reporting and tuition remission.

Work on modifying the guidelines will be pursued by COGR, Langenberg said. The issues of interest expenses and independent research and development are being discussed with the Office of Management and Budget. OMB had agreed to discuss these issues if COGR would not take them up in the drafting of the current regulations.

Next week's ALMANAC will discuss the suggestions of the National Commission on Research on improving university and government relations. —S.J.S.