

Jaffe To Leave Drug Office

Jerome H. Jaffe, director of the President's Special Action Office for Drug Abuse Prevention, has resigned his post effective 17 June. To succeed him, President Nixon has nominated Robert L. DuPont, the 37-year-old director of the Narcotics Treatment Administration (NTA) in Washington, D.C.

Jaffe came from the directorship of the Illinois State Drug Abuse Program to head the Special Action Office when it was created 2 years ago. He is known to be desirous of getting back into the academic world (he was on the psychiatry faculty of the University of Chicago). He is also known to be displeased with an Administration-sponsored bill, now sitting in the Senate Judiciary Committee, that would lay harsh new penalties on the possession of heroin.

DuPont, also a psychiatrist, was apparently a natural choice to succeed Jaffe. He has worked closely with the Administration on drug problems, and the NTA, which he has directed since its creation in 1970, has come to be known as one of the most effective comprehensive drug treatment programs in the country.

The Special Action Office has 2 more years to complete its job of pulling together and coordinating federal drug abuse and treatment efforts. It is scheduled to go out of business in mid-1975.—C.H.

Commission regulates wholesale interstate power rates, but unless Congress broadens its mandate, an unlikely event, prospects for change are few—and it would take a strong-minded state utility commission to overthrow entrenched tradition.

The utility industry enjoys enormous economies of scale. Since capital costs are very high, the larger the generating capacity the more profitable the operation. Since legally permissible profits are based on a percentage of capital investment, a utility that wants to increase its output stands to gain much more by building a new facility than by buying power from another company for transmission to its customers.

To justify expansion, utilities have to show that the demand exists. This they do by creating it, through promotional policies, discriminatory pricing, and the declining rate structure. Thus a crusade such as the Edison Electric Institute's "Save a Watt" campaign runs against the grain of the industry's economics and can hardly be expected to make much of a dent in consumption.

Senator Lee Metcalf (D-Mont.) has formulated an ambitious proposal that would create a national grid for the transmission of electricity. His staff estimates that such a system would result in a 20 to 25 percent annual reduction of the need for new generating capacity. Utilities oppose the bill, which would loosen their monopolistic hold

on power supply in many parts of the country.

While utilities at present seem untouchable, the federal government could begin by reorganizing rates at its own installations, such as the Tennessee Valley Authority and the Bonneville Power Administration.

Representative Ken Hechler (D-W. Va.) recently called for some TVA reforms. He pointed out that it led the way in the mass production of cheap power and comprehensive resource management, and that now it was time for TVA to show the nation how to produce clean efficient power without tearing up the landscape. "Cheap power, the balm of a generation ago, has become the narcotic, debilitating drug of the present," he proclaimed.

Despite the overwhelmingly wasteful use of energy in this country—Representative Morris Udall (D-Ariz.) pointed out that Americans consume for air conditioning the same amount of power that all 800 million Chinese need for everything—the conservation bandwagon has hardly begun to roll. The elasticity of demand in response to rising energy prices is being intensively studied and hotly disputed. The backlashes and trade offs to be anticipated from one policy or another are only dimly foreseen. For example, if everyone were forced to buy less powerful cars, would this bring about a sharp rise in intercity air travel?

So the studies go on, the alternatives

are weighed, scenarios analyzed, cost-benefit ratios computed, and elasticities prognosticated. Meanwhile, per capita energy consumption is expected to quadruple by the end of the century, and it may be that by the time all the options have been thoroughly assessed, some will have quietly slipped away.

—CONSTANCE HOLDEN

RECENT DEATHS

Lee W. Anderson, 46; professor of mathematics, Pennsylvania State University; 5 February.

Lev A. Artsimovich, 64; head, atomic physics department, Moscow University; 1 March.

Alexander Askochinsky, 75; former deputy minister of agriculture, U.S.S.R.; 6 March.

Robert B. Bailey, 50; professor of education, Southwestern State College; 23 March.

Elizabeth F. Baker, 87; professor emeritus of economics, Barnard College; 28 January.

Herbert G. Birch, 54; professor of pediatrics, Albert Einstein College of Medicine; 4 February.

Ira S. Bowen, 73; retired director, both Mount Wilson and Palomar observatories; 6 February.

Clement G. Bowers, 79; former research associate in ornamental horticulture, Cornell University; 12 April.

W. J. Brogden, 60; professor of psychology, University of Wisconsin, Madison; 22 February.

Robert E. Buchanan, 88; dean emeritus, Graduate College, Iowa State University; 21 February.

Henry A. Bullock, 66; professor of economics, University of Texas; 8 February.

Harold S. Burr, 83; professor emeritus of anatomy, Yale University; 17 February.

Doak S. Campbell, 84; president emeritus, Florida State University; 23 March.

Jaime R. Carbonell, 44; manager, artificial intelligence department, Bolt, Beranek & Newman, Inc.; 2 February.

Dwight W. Chapman, Jr., 67; professor of psychology, Vassar College; 11 April.

Finla G. Crawford, 78; vice chancellor emeritus, Syracuse University; 13 April.

(Continued on page 1216)

NEWS AND COMMENT

(Continued from page 1158)

Lewis Daniels, 42; professor of pedodontics, University of California; 28 January.

Lewis M. Daniels, 43; associate professor of dentistry, University of Southern California; 23 January.

J. Fenton Daugherty, 75; professor emeritus of physics, University of Delaware; 19 February.

Earl H. Dearborn, 57; former head, pharmacology department, Boston University School of Medicine; 28 February.

Harry G. Detwiler, 58; chairman of education, George Washington University; 17 February.

Harold M. Dorr, 76; former dean of state-wide education, University of Michigan; 31 January.

Nathan B. Eddy, 82; retired chief, analgesics section, chemistry laboratory, National Institute of Arthritis, Metabolism, and Digestive Diseases; 28 March.

Elsa M. Ehrenstein, 71; former professor of pharmacy, Philadelphia College of Pharmacy and Science; 21 February.

Immanuel Estermann, 73; professor emeritus of physics, Israel Institute of Technology and University of Hamburg, Germany; 30 March.

Chester N. Frazier, 81; professor emeritus of dermatology, Harvard University; 14 February.

Ernst Gellhorn, 80; professor emeritus of physiology and neurophysiology, University of Minnesota; 20 April.

Vernon H. Goerke, 68; former visiting professor of acoustics, Washington State University; 27 February.

T. Campbell Goodwin, 71; professor emeritus of pediatrics, Columbia University; 30 May.

Douglas P. Head, 74; former professor of medicine, University of Minnesota; 14 April.

C. Doris Hellman, 62; professor of history of science, Queens College; 28 March.

A. Stanley Holt, 52; research professor of biology, University of Ottawa; 26 December 1972.

Jules D. Holzberg, 57; chairman, psychology department, Wesleyan University; 18 February.

George L. Kaltsounis, 46; professor of education, State University of New York College, Buffalo; 30 March.

Louis N. Katz, 75; director emeritus, Cardiovascular Institute, Michael Reese Hospital and Medical Center; 2 April.

Newell C. Kephart, 62; former pro-

fessor of education, Purdue University; 12 April.

Robert N. Kersey, Jr., 52; associate professor of electrical and computer engineering, Clemson University; 3 February.

Herbert J. Kildee, 87; dean emeritus, College of Agriculture, Iowa State University; 10 February.

Edward H. Kraus, 97; former dean, College of Literature, Science and Arts, University of Michigan; 3 February.

Edward T. Ladd, 52; professor of education, Emory University; 24 January.

Charles E. Lawall, 81; former president, West Virginia University; 5 April.

Francis L. Lederer, 74; professor emeritus of otolaryngology, University of Illinois; 3 April.

Frank C. Mathers, 92; professor emeritus of chemistry, Indiana University; 23 March.

Ferdinand Menefee, 87; professor emeritus of engineering mechanics, University of Michigan; 12 February.

David W. Northup, 66; professor emeritus of physiology and biophysics, West Virginia University; 13 March.

Dickinson W. Richards, 77; professor emeritus of medicine, Columbia University; 23 February.

Edwin H. Rohrbeck, 77; professor emeritus of agricultural extension, Pennsylvania State University; 11 February.

Peter A. Tavormina, 55; director of biochemistry, Mead Johnson Research Center; 26 March.

Thurlo Thomas, 64; professor of sociology, Carleton College; 14 April.

Derrick Vail, 74; professor emeritus of ophthalmology, Northwestern University; 19 April.

Joan F. White, 49; assistant professor of zoology, Eastern Illinois University; 26 March.

Erratum: In the caption of the cover photograph for 25 May 1973, the word "below" is misplaced; it should be deleted from the first sentence, and the second sentence should read: "(Below) Same view taken through a cylindrical lens . . ." Two errors occurred in the report by Freeman and Thibos in the same issue, p. 876: in column 2, line 4, "Freeman and co-workers" should be changed to "Freeman *et al.*"; in column 3, line 44, "the visual resolution" should be changed to "visual resolution"—Ed.

Erratum. The major affiliations of the following new members of the National Academy of Sciences (*Science*, 11 May) are: Edward H. Ahrens, Jr., Rockefeller University; Robert W. Fogel, University of Chicago; and Gilbert F. White, University of Rochester.

Erratum: In the illustration accompanying the review of Valentin Boss's *Newton and Russia* (11 May, p. 624), the drawings designated "Left" and "Right" were interchanged. The three drawings that appear at the right represent the "Newtoniano-Gregor-Lomon. tubus" and the one at the left represents the "tubus nyctopticus modo Lomonosov-Newton."

Personnel Placement

It is requested that only those employers who will not discriminate on the basis of race, sex, religion, color, or national origin submit positions open advertising.

POSITIONS WANTED: 40¢ per word, minimum charge \$10. Use of Box Number counts as 10 additional words. Payment in advance is required. These rates apply to individuals only. Personnel agencies and companies take display rate for all advertising.

POSITIONS OPEN: \$110 per inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Ads over 1 inch will be billed to the nearest half inch. Payment in advance is required except where satisfactory credit has been established.

COPY for ads must reach *SCIENCE* 4 weeks before issue date (Friday of every week). Send copy for Personnel Placement advertising to:

SCIENCE, Room 211
1515 Massachusetts Ave., NW
Washington, D.C. 20005

Replies to blind ads should be addressed as follows:

Box (give number)
SCIENCE
1515 Massachusetts Ave., NW
Washington, D.C. 20005

POSITIONS WANTED

Cellular Immunologist, Ph.D. postdoctoral lymphocytes, lymphokines, atopic and humoral hypersensitivities, and immunochemistry; publications. Seeks academic or institutional research and teaching position. Box 318, *SCIENCE*. 6/22

Consultation in Veterinary and Comparative Histopathology. Board-certified veterinary pathologist will examine stained sections of animal tissues for toxicologic, research, or diagnostic studies. Box 287, *SCIENCE*. 6/15

Cross-Discipline Research Engineer. BSME Berkeley, registered professional engineer (Calif. #M13,885) seeks responsible position in design and application of sophisticated, state-of-the-art research tools. Extensive experience in physical, behavioral, medical, and marine sciences at Brain Research Inst., UCLA; Physics, UCLA; Bubble Chamber Group, Lawrence Berkeley Lab. Excellent writing ability and willing to travel. Résumé available. Box 319, *SCIENCE*. X

Ed.D. Teacher/Administrator. Acting Chairman biology department small college, 2 years. Teaching experience science education and undergraduate biology courses/research experience. Minority group member desires teaching or administrative position. Box 320, *SCIENCE*. X

Ph.D. Immunologist-Microbiologist, minor in pathology, graduating in August. Seeks a postdoctorate or teaching-research position. Experience in tumor immunology/cell-mediated immunity, particularly leukemia. Box 321, *SCIENCE*. X

Medical Editor, senior level. Experienced in all aspects of editing, rewriting, printing. Full time or free lance. Box 322, *SCIENCE*. X

Minicomputer Specialist. Real-time data acquisition, signal processing, Fourier methods, instrumentation control. I can make it work. Write D. Hindman, 1307 Falcon, Austin, Texas 78745. 6/15

Paleoecologist, Ph.D., 11 years' university teaching. Teaching/research position. Current research palynology and invertebrate paleontology. Box 323, *SCIENCE*. X

Physiologist-Cell Biologist, Ph.D. 1973; M.D. from Europe, extensive experience in teaching human anatomy, training in electron microscopy. Seeks teaching and/or research position. Angelo Pharmakidis, P&CB Department, University of Kansas, Lawrence, Kansas 66044. X