

Both Phillips and Hartley emphasize the current importance of empirical comparisons between known sequences and their observed foldings.

It now looks as if sequence analysis, even of the largest molecules, will outstrip the productivity of crystallography, which is still rate-limited in every case by the need to search for suitable means of introducing heavy-atom labels into the molecule. To refine "peptide surgery" the chemist can now add automatic sequence analysis. A most advanced machine for the latter purpose has just been installed by Pehr Edman of Melbourne in Borivoj Keil's laboratory at the Institute for Organic Chemistry and Biochemistry, Prague. On a recent visit to that laboratory, I observed that it was well instrumented, the American embargo on exports having encouraged the perfection (and marketing!) of homemade apparatus.

In Edman's apparatus, of which the prototype exists in Australia, a sample goes through a routine of about 30 operations to peel off each amino acid residue from a peptide; and the apparatus can go sequentially through 60 residues in one run, lasting about 4 days. That represents an impressive acceleration of such analytical procedures, and, hopefully, the instrument's powers will soon be demonstrated in new sequences announced from Czechoslovakia.—NIGEL CALDER

The author formerly was editor of the New Scientist. In addition to the full-time correspondence of John Walsh, European correspondent for Science, Calder will provide occasional contributions as part of Science's expanded coverage of scientific affairs abroad.

Appointments

Robben Fleming, chancellor of the University of Wisconsin, to president of the University of Michigan. . . . **Kermit Gordon**, vice president of the Brookings Institution and former director of the Bureau of the Budget, to president of Brookings. He succeeds **Robert D. Calkins** who has been appointed vice-chancellor for social sciences and professor of economics, University of California at Santa Cruz. . . . **Clark Kerr**, former president of the University of California, Berkeley, has accepted the position of chairman of the Carnegie Study of the Future of Higher Education, which is expected to

take up approximately two thirds of his time. He has also accepted the part-time position of professor of industrial relations on the Berkeley campus. At the present time he is undertaking a number of lectureships, including Marshall Lecturer at Cambridge University, England, Pollack Lecturer at Harvard, and Davie Memorial Lecturer at the University of Capetown, South Africa. . . . **Robert Rathburn Wilson**, director of the Laboratory of Nuclear Studies, Cornell University, and recently appointed director of the proposed 200-Bev accelerator laboratory to be built at Weston, Illinois, to professor of physics at the University of Chicago. He will hold a joint appointment in the department of physics and the Enrico Fermi Institute for Nuclear Studies. . . . **Harry A. Towsley**, associate director of postgraduate medicine and professor of pediatrics, University of Michigan, to department chairman and professor of postgraduate medicine at the University. . . . **Peter E. Glaser**, senior scientist at Arthur D. Little, Inc., to president of the international Solar Energy Society. . . . **Ralph Hansen**, deputy director of the Agency for International Development's Regional Africa Office, Washington, D.C., to director of the U.S. Aid Program in Somalia. . . . **Albert J. Kelley**, deputy director of NASA's Electronics Research Center, Massachusetts, to dean of the College of Business Administration, Boston College. . . . **James T. Suter**, assistant chief of HEW's Division of Hospital and Medical Facilities' Research and Demonstration Grants Branch, to the Division's Health Facilities Services Branch. . . . **Ruth M. Davis**, staff assistant to the special assistant for National Intelligence, Department of Defense, to associate director for research and development, U.S. Public Health Service's National Library of Medicine. . . . **Richard R. Bond**, chief of party, Cornell University Project in Liberia, to vice president for academic affairs and professor of zoology, Illinois State University. . . . **William D. Lotspeich**, chairman of the department of physiology, University of Rochester Medical School, to executive secretary of the American Friends Service Committee. . . . **John E. Parker**, assistant professor and director of the department of medical art and photography, University of Minnesota Hospitals, to head of the department of medical illustration, Milton S. Hershey Medical Center of Pennsylvania State University. . . .

Recent Deaths

Charles F. Bond, 46; professor of zoology at the University of Vermont; 1 February.

James de Graaf-Hunter, 85; retired British geodesist; 3 February.

Harold A. Eggers, 52; head of the Navy's Torpedo Hydro-Propulsion Research Section; 27 February.

Paul F. Frank, 49; chief of the division of bacteriology, Naval Medical Research Unit No. 4, Great Lakes, Illinois; 3 March.

Hornell Hart, 78; professor emeritus of sociology at Duke University; 27 February.

Eight U.S. educators were killed in a plane crash in Vietnam on 23 March. They were on a tour for the U.S. Agency for International Development that was studying South Vietnam's high school and college problems. The educators were:

James H. Albertson, 41; president of Stevens Point State University, Wisconsin.

Harry F. Bangsberg, 38; president of Bemidji State College, Bemidji, Minnesota.

A. Donald Beattie, 45; dean of the School of Business and Economics, Whitewater State University, Wisconsin.

Vincent F. Conroy, 44; director of the center for field studies, Graduate School of Education, Harvard University.

Howard G. Johnsoy, 48; dean of academic affairs, Gustavus Adolphus College, Minnesota, and former assistant to the dean of International Programs, University of Minnesota.

Robert La Follette, 72; higher education adviser in the U.S. Operations Mission, Saigon, and former head of the department of social science at Ball State Teachers College, Indiana.

Arthur D. Pickett, 51; director of the honors program in the University of Illinois's Chicago division.

Melvin L. Wall, 54; head of the department of plant and earth sciences, River Falls State University, Wisconsin.

Erratum: In the report, "Thyroxine: effects of neonatal administration on maturation, development, and behavior," by S. Schapiro and R. J. Norman (10 Mar., p. 1279), the first line of Fig. 2 should read: "Fig. 2. Electroencephalograms from the cortex of thyroxine-treated and control infant. . . ."

Erratum: In the report "Mechanism of antibody synthesis: size differences between mouse kappa chains" by W. R. Gray *et al.* (27 Jan., p. 465), the headings of the final two columns of Table 1 should be reversed to read "Transversions" and "Transitions."