

Collier for photographic help; Drs. R. A. Cox, H. Fraenkel-Conrat, M. Grunberg-Manago, L. D. Hamilton, S. Osawa, H. Schuster, B. Singer and G. Zubay for sending us material for trial; the Rockefeller Foundation for a grant, and the University of London Computer Unit for facilities.

- ¹ Hoagland, M. B., Stephenson, M. L., Scott, J. F., Hecht, L. I., and Zamecnik, P. C., *J. Biol. Chem.*, **231**, 241 (1958).
- ² Brenner, S., Jacob, F., and Meselson, M., *Nature*, **190**, 576 (1961).
- ³ Gros, F., Hiatt, H., Gilbert, W., Kurland, C. G., Risebrough, R. W., and Watson, J. D., *Nature*, **190**, 581 (1961).
- ⁴ Hall, B. D., and Spiegelman, S., *Proc. U.S. Nat. Acad. Sci.*, **47**, 137 (1961).
- ⁵ Watson, J. D., and Crick, F. H. C.; Wilkins, M. H. F., Stokes, A. R., and Wilson, H. R.; Franklin, R. E., and Gosling, R. G., *Nature*, **171**, 737 (1953).
- ⁶ Langridge, R., Wilson, H. R., Hooper, C. W., Wilkins, M. H. F., and Hamilton, L. D., *J. Mol. Biol.*, **2**, 19 (1960).
- ⁷ Langridge, R., Marvin, D. A., Seeds, W. E., Wilson, H. R., Hooper, C. W., Wilkins, M. H. F., and Hamilton, L. D., *J. Mol. Biol.*, **2**, 38 (1960).
- ⁸ Marvin, D. A., Spencer, M., Wilkins, M. H. F., and Hamilton, L. D., *J. Mol. Biol.*, **3**, 547 (1960).
- ⁹ Fuller, W., Wilkins, M. H. F., Wilson, H. R., and Hamilton, L. D. (in preparation).
- ¹⁰ Wilkins, M. H. F., *J. Chim. Phys.*, **58**, 891 (1961).
- ¹¹ Watson, J. D., and Crick, F. H. C., *Nature*, **171**, 964 (1953).
- ¹² Rich, A., and Watson, J. D., *Nature*, **173**, 995 (1954).
- ¹³ Rich, A., Davies, D. R., Crick, F. H. C., and Watson, J. D., *J. Mol. Biol.*, **3**, 71 (1961).
- ¹⁴ Rich, A., in *A Symposium on Molecular Biology*, edit. by Zirkle, R. E., 47 (Univ. Chicago Press, 1959).
- ¹⁵ Davies, D. R., *Nature*, **186**, 1030 (1960).

- ¹⁶ Brown, G. L., and Zubay, G., *J. Mol. Biol.*, **2**, 287 (1960).
- ¹⁷ Fuller, W., *J. Mol. Biol.*, **3**, 175 (1961).
- ¹⁸ Brown, G. L., Kosinski, Z., and Carr, C. A., *Conf. RNA and Polyphosphates, Strasbourg, 1961* (in the press).
- ¹⁹ Brown, G. L., Kosinski, Z., and Carr, C. A. (in preparation).
- ²⁰ Singer, M. F., and Cantoni, G. L., *Biochim. Biophys. Acta*, **39**, 182 (1960).
- ²¹ Ofengand, E. J., Dieckmann, M., and Berg, P., *J. Biol. Chem.*, **236**, 1741 (1961).
- ²² Monier, R., Stephenson, M. L., and Zamecnik, P. C., *Biochim. Biophys. Acta*, **43**, 1 (1960).
- ²³ Doty, P., Boedtker, H., Fresco, J. R., Haselkorn, R., and Litt, M., *Proc. U.S. Nat. Acad. Sci.*, **45**, 482 (1959).
- ²⁴ Boedtker, H., *J. Mol. Biol.*, **2**, 171 (1960).
- ²⁵ Doty, P., *Biochem. Soc. Symp.*, No. **21**, 8 (1961).
- ²⁶ Hecht, L. I., Stephenson, M. L., and Zamecnik, P. C., *Proc. U.S. Nat. Acad. Sci.*, **45**, 505 (1959).
- ²⁷ Burton, K., *Biochem. J.*, **62**, 315 (1956).
- ²⁸ Auerbach, M. B., *Indust. Eng. Chem. Anal.*, **15**, 492 (1943).
- ²⁹ Franklin, R. E., and Gosling, R. G., *Acta Cryst.*, **6**, 673 (1953).
- ³⁰ Cox, R. A. (private communication).
- ³¹ Robinson, C., *Trans. Farad. Soc.*, **52**, 571 (1955).
- ³² Robinson, C., *Tetrahedron*, **13**, 219 (1961).
- ³³ Pryce, M. H. L., and Frank, F. C., Appendix to Robinson, C., Ward, J. C., and Beevers, R. B., *Disc. Farad. Soc.*, **25**, 29 (1958).
- ³⁴ Frank, F. C., *Disc. Farad. Soc.*, **25**, 19 (1958).
- ³⁵ Gray, G. W., *Molecular Structure and the Properties of Liquid Crystals* (Academic Press, 1962).
- ³⁶ Crick, F. H. C., Barnett, L., Brenner, S., and Watts-Tobin, R. J., *Nature*, **192**, 1227 (1961).
- ³⁷ Fresco, J. R., Alberts, B. M., and Doty, P., *Nature*, **188**, 98 (1960).
- ³⁸ Zubay, G., and Wilkins, M. H. F., *J. Mol. Biol.*, **2**, 105 (1960).
- ³⁹ Timasheff, S. N., Witz, J., and Luzzati, V., *Biophys. J.*, **1**, 525 (1961).
- ⁴⁰ Fresco, J. R., and Alberts, B. M., *Proc. U.S. Nat. Acad. Sci.*, **46**, 311 (1960).

NEWS and VIEWS

Food Science and Technology at the Food and Agriculture Organization : Dr. Z. I. Kertesz

DR. Z. I. KERTESZ (United States) has been appointed chief of the Food Science and Technology Branch of the Nutrition Division of the Food and Agriculture Organization. He succeeds Dr. A. G. van Veen of The Netherlands, who has been appointed to the new chair of international nutrition, Cornell University, Ithaca, New York. Dr. Kertesz joined the Food and Agriculture Organization in September 1961, following more than thirty years with the Department of Food Science and Technology, Cornell University. During the past fifteen years he has also carried out surveys of the food industries in Europe and Australia, and in Ceylon, Korea, Turkey, Libya, Ethiopia, Taiwan, and Thailand. During 1952-53 he was nutrition officer for the Organization in Ceylon. During 1950-52, Dr. Kertesz was editor of the journals *Food Technology* and *Food Research*.

Applied Mathematics at Nottingham :

Prof. R. Hill, F.R.S.

PROF. RODNEY HILL was appointed professor of applied mathematics at the University of Nottingham in 1953 after holding a research fellowship and readership at Bristol. His research has been mainly in the field of continuous mechanics of solids and has been concentrated in recent years on the fundamental questions of uniqueness and stability, especially for materials of non-linear type. His researches have been published in a large number of important papers in scientific periodicals and in his book on plasticity, which has been recognized since its publication as a standard work on this subject. He has also been editor of the *Journal of Mechanics and Physics of Solids* since 1952. He gained the degree of Sc.D. in

Cambridge in 1959, and the distinction of his contribution to applied mathematics was recognized by his election to the fellowship of the Royal Society in 1961. Prof. Hill has resigned his chair at Nottingham to devote the year 1962-63 to writing and studying without academic responsibilities. Although his plans after that year are still uncertain, he will certainly be working and carrying out research at the University of Nottingham during the year, and he will also continue as editor of the *Journal of Mechanics and Physics of Solids*.

Prof. G. G. Hall

DR. GEORGE GARFIELD HALL, lecturer in mathematics in the Imperial College of Science and Technology, London, has been appointed to succeed Prof. Hill. Dr. Hall graduated with first-class honours in both mathematical physics and mathematics at the Queen's University, Belfast, in 1946, and a year later gained a third degree with first-class honours in physics. From Belfast he went to Cambridge and began research on the orbital theory of chemical valency, for which he was awarded the degree of Ph.D. in 1951. In 1950 he was appointed assistant in research in theoretical chemistry and three years later was elected to a Fellowship in St. John's College, Cambridge. He was appointed to his present position in 1955, and was granted leave of absence to spend the session 1957-58 in the University of Uppsala on research. In 1961 he spent two months at the Institute of Theoretical Physics, Naples, and this year was in Florida for a shorter period. The principal field of Dr. Hall's recent research has been that of quantum mechanics as applied to problems of atomic, molecular and crystal structure, but he has also published papers on programming for an electronic computer and in the field of theoretical biology.