

are considered—adolescence, psychosomatics, speech disorders, delinquency, neuropsychiatry, psychosis, and subnormality. There are also chapters on the organization of in-patient and out-patient units, and a very practical chapter on adoption.

Though the volume is not intended as a textbook, most of the important theoretical and practical aspects of child psychiatry are dealt with. A good index and generous references should make it a standard work, and it can be warmly recommended to any psychiatrist, whether working in this field or not, and to the other members of the child psychiatry team.

A. W. BEARD.

## The Hospital Pharmacy

**Report on Symposium on Pharmaceutical Services in the Modern Hospital.** Belfast, 1964. Under chairmanship of Professor O. L. Wade. (Pp. 32. No price given.) Belfast: Northern Ireland Hospitals Authority. 1965.

This report of a symposium, held in Belfast on 21 October 1964 under the chairmanship of Professor O. L. Wade, contains six excellent papers showing the type of service the pharmacy can and should provide in the modern hospital. The theme of the meeting was admirably outlined by the chairman, who posed nine searching questions showing a remarkable insight into the hospital pharmacy's problems and possibilities. In the subsequent papers many of his questions were answered, the speakers showing almost complete agreement on the future role of the hospital pharmacist.

In the first paper Mr. A. E. Marston, Group Pharmacist, Queen Elizabeth Hospital, Birmingham, discussed modern hospital

pharmacy practice. He pointed out the changes in the type of work of a pharmacy over the past 20 to 30 years and made a strong plea for pharmacists to modernize their outlook. He stressed the importance of introducing modern methods, such as automation and prepacking, which enable more technical assistance to be used, under supervision, for routine tasks. This frees pharmacists for more professional work such as quality control, professional advice, and ward inspection to ensure the safe handling and correct storage of drugs.

Mr. H. S. Grainger, Chief Pharmacist, Westminster Hospital, spoke on hospital pharmacy organization. He outlined the principal functions of the hospital pharmacy, showing how both manufacturing and buying should be studied to ensure that medicines are made available to the patient at as low a cost as possible commensurate with satisfactory quality. This involves collaboration with other pharmacists in contract schemes and accurate costing of preparations made in the hospital pharmacy, to ensure that manufacture is restricted to those on which considerable savings can be made. Analytical facilities are necessary to check the quality of both purchased and manufactured supplies. Mr. Grainger also stressed the importance of the advisory and teaching duties of the pharmacist.

Mr. P. Crees, Chief Pharmacist, Dudley Road Hospital, Birmingham, enlarged on the duties and responsibilities of the pharmacist in the purchase of medical and surgical supplies and outlined the scheme of quality controls set up in the Birmingham area.

Dr. J. Crooks, Reader in Materia Medica, University of Aberdeen, spoke on the pharmaceutical services in relation to the medical and nursing staffs. His paper was mainly concerned with a study he and his colleagues had carried out on medication

errors. They found that many of these occurred when nurses copied the prescription from the patient's notes on to a medicine list. Dr. Crooks described a new type of sheet designed to eliminate this kind of error. It would need modification for use in hospitals in England and Wales, where many preparations are ordered on prescription from the pharmacy for individual patients, whereas in Scotland nearly all drugs are issued as ward stocks and the actual prescription never reaches the pharmacy. He recommended that ward stocks should be placed under the control of "ward pharmacists," who would frequently visit the wards and check both stocks and prescriptions. This is an excellent idea which many hospital pharmacists would like to adopt, but it cannot be done until the present acute shortage of staff is ended.

Mr. N. W. Blacow, Group Pharmacist, United Leeds Hospitals, discussed the future development of pharmaceutical services and stressed the need for economical use of pharmacists' time, which can be ensured by adopting modern methods of automation and prepacking. He also made a plea for better postgraduate education for pharmacists, especially those to be the chiefs of teaching hospitals. Dr. H. Davis, Chief Pharmacist to the Ministry of Health, gave the concluding paper, which had the same title as the symposium. In addition to re-emphasizing many of the points made by the earlier speakers he referred to the hospital pharmacy building notes shortly to be issued by the Pharmaceutical Section of the Ministry, and to the proposed new comprehensive legislation for the control of medicines.

Professor Wade summed up the symposium as "Most interesting and stimulating," and the report will prove so to those concerned in the planning of new hospital pharmaceutical departments.

T. D. WHITTET.

## Books Received

*Review is not precluded by notice here of books recently received.*

**L-Forms, Episomes and Auto-Immune Disease.** By Phyllis Evelyn Pease, Ph.D. (Pp. 83 + vii. 10s. 6d.) Edinburgh and London: E. & S. Livingstone. 1965.

**Year Book of Dentistry.** 1964-65 Series. By six editors. (Pp. 507; illustrated. 60s.) London: Lloyd-Luke. Chicago: Year Book Medical Publishers. 1965.

**Year Book of Ophthalmology.** 1964-5 Series. Edited by William F. Hughes, M.D. (Pp. 392; illustrated. 68s.) London: Lloyd-Luke. Chicago: Year Book Medical Publishers. 1965.

**Medical Illustrations in Medieval Manuscripts.** By Loren MacKinney. (Pp. 263 + 95 plates. £5 5s.) London: Wellcome Historical Medical Library. 1965.

**The Causes and Cures of Neurosis.** An Introduction to Modern Behaviour Therapy Based on Learning Theory and the Principles of Conditioning. By H. J. Eysenck and S. Rachman. (Pp. 318 + xii. 28s.) London: Routledge & Kegan Paul. 1965.

**Control of Radioactive Fallout in Water Systems.** Emergency Health Services. (Pp. 123. No price given.) Ottawa: Department of National Health and Welfare. 1965.

**Mental Testing in Clinical Practice.** By Moyra Williams, M.A., D.Phil. (Pp. 177 + xix. 21s.) Oxford, London, Edinburgh, New York, Paris, and Frankfurt: Pergamon. 1965.

**Intracranial Aneurysms and Subarachnoid Hemorrhage.** 12th Annual Scientific Meeting of Houston Neurological Society. Edited by William S. Fields, M.D., and Adolph L. Sahs. (Pp. 518 + xv; illustrated. \$18.75.) Springfield, Illinois: Charles C. Thomas. 1965.

**Cellular Radiation Biology.** 18th Annual Symposium on Fundamental Cancer Research, 1964. University of Texas M. D. Anderson Hospital and Tumor Institute. (Pp. 618 + x; illustrated. \$16.) Baltimore: Williams and Wilkins. 1965.

**Assessment of Radioactivity in Man.** Proceedings of Symposium, Heidelberg, 1964. In 2 volumes. (Vol. 1: pp. 395; illustrated. £2 8s. Vol. 2: pp. 650; illustrated. £3 18s.) London: H.M.S.O. Vienna: International Atomic Energy Agency. 1964.

**Abt-Garrison History of Pediatrics.** Reprinted from *Pediatrics*. By various authors. Vol. 1. Edited by Isaac A. Abt, M.D. With new chapters on the History of Pediatrics in Recent Times. By Arthur F. Abt, M.D. (Pp. 316 + x; illustrated. £4 0s. 6d.) Philadelphia and London: W. B. Saunders. 1965.

**An Excellent Medical School.** Inaugural Lecture, Queen's University of Belfast, 1965. By Professor Ian C. Roddie. (Pp. 18; illustrated. 3s. 6d.) Belfast: Queen's University. 1965.

**Bailey & Love's Short Practice of Surgery.** 13th edition. Revised by A. J. Harding Rains, M.S., F.R.C.S., and W. Melville Capper, F.R.C.S. (Pp. 1,314 + xi; illustrated. £4 4s.) London: Lewis. 1965.

**The Scientific Basis of Drug Therapy in Psychiatry.** Symposium, London, 1964. Edited by John Marks and C. M. B. Pare. (Pp. 217 + xiii; illustrated. 75s.) Oxford: Pergamon. 1965.

**Report on the Sanitary Condition of the Labouring Population of Great Britain.** By Edwin Chadwick 1842. Edited with an introduction by M. W. Flinn. (Pp. 443. 70s.) Edinburgh: University Press. 1965.

**Studies in the Metabolism of Vitamin B<sub>12</sub>.** By Alfred Doscherholmen, M.D., Ph.D. (Pp. 271 + viii. 54s.) Minneapolis: University of Minnesota Press. 1965.

**The British Medical Profession's Service to the People.** By K. W. Monsarrat. (3 chapters. No price given.) London: Sir Robert Jones Memorial Workshops. 1965.

**Ionizing Radiation and the Sterilization of Medical Products.** Proceedings of 1st International Symposium on Gamma and Electron Irradiation. (Pp. 122 + vii; illustrated. 25s.) London: Taylor and Francis. 1965.

**The Hip.** By F. G. St. Clair Strange, F.R.C.S. (Pp. 284. 50s.) London: Heinemann. 1965.