

in getting suitable placements for such children, and imply deficiencies in the health and educational services in this respect.

It is unfortunate that Dr. Agatha Bowley's chapter on assessment is so short, since adequate psychological appraisal of such children is the kernel of the matter. Nearly half of the 157 children labelled as the "abnormal group" are shown as "untestable," which is worrying since most children, however disturbed, can be given some sort of provisional assessment of their objective performance on some observational scale or other. The table of results of psychological testing merely shows "I.Q." and does not indicate chronological or mental age, so that it is difficult to see how far the claim that "subnormality" is responsible for failure of communication is justified, especially when 15 children with an I.Q. above 70 are included as subnormal. The authors point out that these children had considerable emotional overlay, but it is then pertinent to ask why they did not put them in their category of "subnormal and emotional disturbance."

The generalizations made on aetiology are not warranted by the size of the samples or the available data, and it is a pity that in such a small book the authors did not devote all their space to a description of patients and techniques. The chapters by Joan Taylor, teacher of the deaf, on auditory assessment and teaching are particularly valuable, as is the brief note on research and conditioning techniques by Ian Evans, which could with advantage have been expanded.

BRIAN KIRMAN.

Bacteriologist's Life

The Birth of Penicillin. Ronald Hare. (Pp. 235; 63s.) George Allen & Unwin. 1970.

Despite its title this book is really Professor Hare's scientific autobiography, and because he has spent his scientific life in laboratories where exciting developments

were in progress he can recount from personal observation and experience the way in which the advances were really made. Professor Hare is fond of debunking, and many of his descriptions of personalities and events have a candour rarely encountered so soon after the events described.

A great part of the book concerns the discovery of penicillin. The tradition that the penicillium floated in through a window and settled on a grown culture of staphylococci is shown to be almost certainly fallacious; a remarkable series of chances must have conspired to produce the effect Fleming observed.

Professor Hare worked at Queen Charlotte's at the time the sulphonamides were introduced for the treatment of puerperal sepsis, and in Toronto at a time when the Connaught Laboratory had to undertake large scale production of penicillin. He tells of these and other experiences with verve, spice, and darts. This is a readable and revealing book.

R. E. O. WILLIAMS.

Books Received

Books noticed here may be reviewed later.

Pavlovian Approach to Psychopathology: History and Perspectives. Ed. W. H. Gantt *et al.* (Pp. 341; 84s.) Pergamon Press. 1970

A Paediatric Vade-Mecum. 7th edn. Ed. B. S. B. Wood, F.R.C.P. (Pp. 178; 25s.) Lloyd-Luke. 1970.

Companion to 'Illustrated Physiology'. 2nd edn. Ann B. McNaught, M.B. (Pp. 247; 18s.) E. & S. Livingstone. 1970.

Studies in Biology No. 20. Human Genetics and Medicine. Cyril A. Clarke, F.R.C.P., F.R.S. (Pp. 74; 15s. Hard cover 9s. Paperback.) Edward Arnold. 1970.

Hormonal Management in Breast Cancer. Basil A. Stoll, F.F.R. (Pp. 169; 80s.) Pitman. 1970.

Traité de Radiodiagnostic. Vol. 8. Appareils Urinaire et Génital Masculin Surrénales. Guy Lemaitre *et al.* (Pp. 580; 270F.) Masson. 1970.

An Introduction to Blood Group Serology: 4th edn. Theory, Techniques and Practical Applications. Kathleen E. Boorman and Barbara E. Dodd, M.Sc., Ph.D. (Pp. 464; 80s.) J. & A. Churchill. 1970.

Abortion in a Changing World: Ed. Robert E. Hall, M.D. (Pp. 377; 90s.) Columbia University Press. 1970.

Institutionalism and Schizophrenia: A comparative Study of Three Mental Hospitals 1960-1968. J. W. Wing, M.D. and G. W. Brown, Ph.D. (Pp. 260; 75s.) Cambridge University Press. 1970.

Taste and Smell in Vertebrates. Ed. G. E. W. Wolstenholme and Julie Knight. (Pp. 402; 80s.) J. & A. Churchill. 1970.

A Doctor's Look at Life and History. David S. Muckle, F.R.C.S. (Pp. 157; 30s.) Oriel Press. 1970.

The Law and Clinical Medicine. Elliot L. Sagall, M.D. and Barry C. Reed, LL.B. (Pp. 224; 100s.) Blackwell. 1970.

An Introduction to Preventive Medicine. John Simpson, M.D., D.P.H. (Pp. 237; 36s.) Heinemann. 1970.

The Artificial Cardiac Pacemaker: Its History, Development and Clinical Application. H. J. Th. Thalen, M.D. *et al.* (Pp. 359; 126s.) Heinemann. 1970.

Mucous and Salivary Gland Tumours. Sameer Rafla-Demetrious, D.M., F.F.R. (Pp. 283; \$17.50.) Charles C. Thomas. 1970.

Drugs and Human Behaviour. Gordon Claridge. (Pp. 266; 48s.) Allen Lane The Penguin Press. 1970.

Chemical Control of Fibrinolysis-Thrombolysis: Theory and Clinical Applications. Ed. Joseph M. Schor, Ph.D. (Pp. 328; 170s.) John Wiley. 1970.

Atlas of Surgical Techniques. Philip Thorek, M.D., F.A.C.S. (Pp. 196; 220s.) Blackwell. 1970.

Physical Examination in Health and Disease. 4th edn. Rudolph H. Kampmeier, M.D., and Thomas M. Blake, M.D. (Pp. 709; 150s.) Blackwell. 1970.

With Pegasus in India: The Story of 153 Gurkha Parachute Battalion. Eric Neild. (Pp. 110; 20s.) Army School of Health. 1970.

Tumours of the Testicle. John P. Blandy, F.R.C.S., *et al.* (Pp. 199; 42s.) Heinemann. 1970.

Foster Care: Theory and Practice. V. George. (Pp. 251; 60s.) Routledge & Kegan Paul. 1970.

Drugs from A to Z: A Dictionary. Richard R. Lingeman. (Pp. 262; 50s.) Allen Lane The Penguin Press. 1970.

Diagnostic Enzymology. Ed. Eugene L. Coodley, M.D. (Pp. 323; 112s.) Henry Kimpton. 1970.

Population, Resources, Environment: Issues in Human Ecology. Paul R. Ehrlich, Ph.D. and Anne H. Ehrlich. (Pp. 383; 84s.) W. H. Freeman. 1970.

The Tetralogy of Fallot: From a Surgical Viewpoint. John W. Kirklin, M.D. and Robert B. Karp, M.D. (Pp. 189; 110s. 6d.) W. B. Saunders. 1970.

Recognizable Patterns of Human Malformation: Genetic, Embryologic and Clinical Aspects. Vol. 7. David W. Smith, M.D. (Pp. 368; 136s.) W. B. Saunders. 1970.

Poisoning: Toxicology, Symptoms and Treatments. 2nd edn. Jay M. Arena, M.D. (Pp. 715; \$43.50.) Charles C. Thomas. 1970.

Differential Diagnosis: The Interpretation of Clinical Evidence. 2nd edn. A. McGehee Harvey, M.D. and James Bordley III, M.D. (Pp. 1238; 229s.) W. B. Saunders. 1970.

Pharmacology and Therapeutics. 7th edn. Arthur Grollman, M.D. and Evelyn F. Grollman, M.D. (Pp. 1038; 175s.) Henry Kimpton. 1970.

Progress in Gastroenterology. Vol. 2. Ed. George B. Jerzy Glass, M.D. (Pp. 543; \$29.50.) Grune & Stratton. 1970.

The Child, his "Illness" and the Others. Maud Mannoni. (Pp. 286; 63s.) Tavistock Publications. 1970.

Teaching First Aid: Companion to 6th edn. Bailliere's Handbook of First Aid. Ed. Stanley Miles, C.B., M.D., and Peter J. Roylance, R.D., M.B. (Pp. 103; 18s.) Bailliere, Tindall & Cassell. 1970.

Bailliere's Handbook of First Aid. 6th edn. Ed. Stanley Miles, C.B., M.D. (Pp. 336; 20s.) Bailliere, Tindall & Cassell. 1970. Companion to Teaching First Aid. Same Publishers.

The Ruminations of an Orthopaedic Surgeon. George Perkins, M.C., F.R.C.S. (Pp. 188; 30s.) Butterworths. 1970.

Fatal Civil Aircraft Accidents: Their Medical and Pathological Investigation. Peter J. Stevens, O.B.E., M.D. (Pp. 206; 100s.) John Wright. 1970.

Concepts in Head and Neck Surgery. John Conley. (Pp. 292; DM.179.) Georg Thieme Verlag. 1970.