

## BOOK REVIEWS AND NEWS

*Recensioni e Rassegna Bibliografica / Analyses de Livres et  
Revue Bibliographique / Buchbesprechungen und Literaturschau*

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### ATLAS DES MALADIES CHROMOSOMIQUES

ATLAS OF CHROMOSOMAL DISEASES. By J. de Grouchy and C. Turleau (Paris, France). Expansion Scientifique Française, Paris 1977. Hard cover, 21 × 27 cm, 356 pp, 525 illustrations. Price: F 262.

The atlas that Jean de Grouchy and Catherine Turleau have just published is both precious and timely. Modern medicine has in fact been concerned with the problems of genetics through the chromosomal approach with such a confidence and impetus that neither Mendelian nor molecular genetics could have thus far obtained.

Therefore, it is not only those genetic schools that are already at work along the same direction, but, much more generally, medicine as a whole, that should be thankful for a fundamental reference book needed by researchers, clinicians, and general practitioners alike.

The about thirty chromosomal abnormality syndromes that have so far been identified are described from the genotypic, phenotypic, historic, and bibliographic viewpoints. The most original approach, however, is the initial one, where each chromosome is greatly enlarged and an updated indication of its genetic contents is given. Also of high value is the unbiased approach to certain ethical problems of cytogenetics as, e.g., in the case of the 47,XYY syndrome for which the finding of a 20% frequency in subjects taller than 200 cm may alone disprove previous deterministic inferences.

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### HUMAN BEHAVIOR GENETICS

Compiled and edited by A.R. Kaplan (Cleveland, OH, USA). Charles C. Thomas Publisher, Springfield, IL, 1976. Hard cover with jacket, 18 × 25.5

cm, XV + 479 pp, illustrated. Glossary, Reference author index, and Subject index. Price not indicated.

This is the first book to deal extensively and comprehensively with the comparatively new discipline of human behavior genetics and it does so in such a way that it may serve both as an introductory textbook for students and as a reference tool for researchers. This multiauthored approach consists of a few introductory chapters and of a series of reviews on the genetic aspects of intelligence, personality development, and conditions such as neurosis, homosexuality, schizophrenia. A number of chapters are also devoted to the study of association of behavior with biochemical and other biological variables. This book is beautifully designed and produced.

### MECHANISMS IN TRANSMISSION OF SIGNALS FOR CONSCIOUS BEHAVIOUR

Edited by T. Desiraju (New Delhi and Bangalore, India). Elsevier Scientific Publishing Company, Amsterdam-Oxford-New York 1976. Hard cover, 17 × 25 cm, XII + 376 pp, illustrated. Subject index. Price: Dfl 120 / US \$ 46.25.

The carefully edited and beautifully produced proceedings of a symposium on brain research essentially dealing with the general principles of neural communication, neural organization for survival, programming of motor apparatus, and brain mechanisms underlying plasticity of behavior.

### CHROMOSOMES IN MITOSIS AND INTERPHASE

By H.G. Schwarzscher (Vienna, Austria). Springer-Verlag, Berlin-Heidelberg-New York 1976. Part 3 in Vol. 1, The Living Mass (*Die lebendige Mass*), of the Handbook of Human Microscopic Anatomy

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(*Handbuch der mikroskopischen Anatomie des Menschen*). Hard cover with jacket, 17 × 25.5 cm, VIII + 182 pp, 116 illustrations. Author index and Subject index. Price: DM 136 / US \$ 55.80.

An updated review of human somatic chromosomes, including the following subjects: nomenclature and general morphology of chromosomes, chromosome morphology during mitosis, human karyotype, structural differences along the chromosomes (chromosome banding), fine structure of chromosomes, chromosome structure in interphase nuclei, heterochromatin, position of chromosomes within the cell.

GLOSSARY OF GENETICS AND CYTOGENETICS — CLASSICAL AND MOLECULAR

*Fourth Completely Revised Edition*

By R. Rieger, A. Michaelis, M.M. Green (Gatersleben, GDR, and Davis, CA, USA). Springer-Verlag, Berlin-Heidelberg-New York 1976. Paperback, 14 × 20 cm, 647 pp, illustrated.

In its fourth edition, this already well-known glossary has been considerably enlarged and updated and now provides a mine of valuable and updated information which makes it a fundamental reference tool in genetic research.

GICHT

GOUT. Edited by N. Zöllner and W. Gröbner (Munich, GFR). Springer-Verlag, Berlin-Heidelberg-New York 1976. Part 3 in Vol. 7, Errors of Metabolism (*Stoffwechselkrankheiten*), of the Handbook of Internal Medicine (*Handbuch der inneren Medizin*) edited by H. Schwiegk. Hard cover with jacket, 17 × 25 cm, XVIII + 661 pp. 205 illustrations. Price: DM 290 / US \$ 118.90.

This is Part 3 in Volume 7 (Metabolic Diseases) of Springer's Handbook of Internal Medicine, and consists of the following chapters, mostly in German, but some in English: epidemiology of hyperuricemia and gout; etiology and pathogenesis of hyperuricemia; pathogenesis of uric acid accumulation and of gout appearance; anatomic pathology of gout; clinic diagnosis, and differential diagnosis of gout; therapy and prophylaxis of gout; prognosis of gout; the Lesch-Nyhan syndrome and adult X-linked hyperuricaciduria; xanthinuria; and hereditary orotic aciduria.

*Acta Genet. Med. Gemellol.* (1977), 26: 190

HAEMOGLOBIN STRUCTURE, FUNCTION AND SYNTHESIS

Edited by D.J. Weatherhall (Oxford, U.K.). Vol. 32 No. 3 of the British Medical Bulletin, London 1976. 99 pp, illustrated. Price: £ 3 (outside U.K.: 3.50).

Introduced by M.F. Perutz, this issue of British Medical Bulletin describes current hemoglobin research in Great Britain, with special respect to topics of greatest medical interest, such as the biosynthesis and pathology of hemoglobin. Introductory articles on the stereochemical basis of hemoglobin function have been provided by Perutz, Kilmartin and Baldwin.

VATERSCHAFT / PATERNITY / PATERNITE

By G. Koch (Erlangen-Nürnberg, GFR). Verlag Palm und Enke, Erlangen 1976. Vol. 7 in the series, Bibliographica Genetica Medica. Soft cover, 14.5 × 20 cm, 220 pp. Distributed by the University Department of Human Genetics and Anthropology, Erlangen, GFR. Price not indicated.

ZWILLINGSFORSCHUNG AUF DEM GEBIET DER FRAUENHEILKUNDE UND GEBURTSHILFE

TWIN RESEARCH IN OBSTETRICS AND GYNECOLOGY. By G.A. Ziegler (Nürnberg, GRF). Verlag Palm und Enke, Erlangen 1976. Soft cover, 14.5 × 20 cm, 263 pp. Distributed by the University Department of Human Genetics and Anthropology, Erlangen, GFR. Price not indicated.

OPHTHALMOLOGISCHE BEFUND BEI ZWILLINGEN

OPHTHALMOLOGIC FINDINGS IN TWINS. By H. Meyer (Wemding, GFR). Verlag Palm und Enke, Erlangen 1976. Soft cover, 14.5 × 20 cm, 62 pp. Distributed by the University Department of Human Genetics and Anthropology, Erlangen, GFR. Price not indicated.

GENETISCHE BERATUNG IN ERLANGEN, 1966-1976

GENETIC COUNSELING IN ERLANGEN, 1966-1976. By G. Koch (Erlangen-Nürnberg, GFR). Verlag Palm und Enke, Erlangen 1977. Soft cover, 14.5 × 20 cm, 38 pp. Distributed by the University Department of Human Genetics and Anthropology, Erlangen, GFR. Price not indicated.