

ERBLICHE DEFEKTE DES KOHLENHYDRAT-,
AMINOSAEUREN UND PROTEINSTOFFWECHSELS

HEREDITARY ERRORS OF CARBOHYDRATE,
AMINOACID, AND PROTEIN METABOLISM

Edited by F. Linneweh (Marburg, GFR). Springer-Verlag, Berlin-Heidelberg-New York 1974. Part 1 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 × 15 cm, XX + 905 pp, 205 illustrations. Price: DM 348.00/US \$ 142.00. Subscription price: DM 278.40/US \$ 113.60.

Another important contribution to a large German handbook of internal medicine, this volume is of particular value to the medical geneticist. It is essentially divided into four parts. Part 1 provides a human genetic introduction, centered on the clinical aspects of heredity. Part 2 deals with the enzymatic defects of carbohydrate metabolism: pentosuria; essential fructosuria and fructose intolerance; galactosemia; monosaccharide and disaccharide malabsorption; glycogenoses; hypoglycemias; mucopolysaccharidoses; and oxalosis. Part 3 deals with the enzymatic defects of aminoacid metabolism: anomalies of phenylalanine metabolism; histidinemia, leucinosis; cystinosis; homocystinuria; cystathioninuria; and other rarer defects. Finally, Part 4 is devoted to the anomalies of serum proteins and free circulating enzymes: analbuminemia; bisalbuminemia; α -betalipoproteinemia and α lipoprotein family deficiency; hepatolenticular degeneration; hapto globin variants; immunological deficiencies; pseudocholinesterases; progressive muscular dystrophy and creatine kinase; and hypophosphatasia. The various chapters have been individually contributed by different specialists.

A TWIN STUDY ON LEPROSY

By M.R. Chakravarti (Waltair, AP, India) and F. Vogel (Heidelberg, GFR). Georg Thieme Verlag, Stuttgart 1973. Vol. 1 in the series, Topics in Human Genetics, edited by P.E. Becker, W. Lenz, F. Vogel, G.G. Wendt. Soft cover, 17 × 24 cm, IX + 124 pp, 111 illustrations and 12 tables. Price: DM 54 (approximately US \$ 22.00).

A definite genetic variability in leprosy susceptibility appears to be shown by this twin study carried out in endemic districts of India, where concordance was found to be much higher in the 62 MZ than in the 40 DZ twin pairs examined (60% vs. 20%).

LIGHT-EYED NEGROES
AND THE KLEIN-WAARDENBURG SYNDROME

By Jenni Soussi Tsafrir (Tel Aviv, Israel). The MacMillan Press, London and Basingstoke. Hard cover with jacket, 15.5 × 23.5 cm, XIV + 153 pp, 21 illustrations, 20 colored plates, 12 tables. Price: £ 7.50 (approximately US \$ 18.00).

The analysis of a series of 22 South African Negro families including light-eyed individuals has shown that only few of these are clinically normal variant phenotypes, most subjects being actually affected by Klein-Waardenburg syndrome. The inheritance of the syndrome is confirmed to be autosomal irregular dominant with incomplete penetrance and variable expressivity. The problem of the inheritance of eye color is also examined, with special respect to the factors operating against the expression of "normal" light eyes in Negroes.

BEVOELKERUNGSBIOLOGIE

Beiträge zur Struktur und Dynamik menschlicher Populationen in anthropologischer Sicht

BIOLOGY OF HUMAN POPULATIONS

Contributions to Their Structure and Dynamics

Edited by W. Bernhard and A. Kandler (Mainz, GFR). Gustav Fischer Verlag, Stuttgart 1974. Hard cover with jacket, 16.5 × 24.5 cm, XIV + 730 pp, 146 illustrations and 151 tables. Price: DM 190.00 (approximately US \$ 76.00).

Dedicated to Ilse Schwidetsky on her 65th anniversary and inspired to her continued contribution to the field of population biology, this book assembles a large number of contributions by over 50 different specialists. The attempt was to display paradigmatically the entire spectrum of topics dealing with population

biology, so that the subject matter and the various contributions have been organized in the following section and subsections: (1) Structure and Dynamics of Living Populations: (a) population structure and the role of genetic factors, (b) anthropological structure of ethnic groups, (c) effects of social processes; (2) Structure and Dynamics of Prehistoric and Historic Populations: (a) palaeodemographical and palaeopathological bases, (b) anthropology of skeletal populations, (c) anthropological trends in evolution in prehistoric and historic populations; (3) Evolution of Man: (a) contributions to the evolution of man, (b) evolution of human behaviour and social interaction, (c) the future of man.

GENETICAL STRUCTURE OF POPULATIONS

By Kenneth Mather (Birmingham, GB). Chapman and Hall, London 1973. Hard cover with jacket, 13.5 × 21.5 cm, VIII + 197 pp, 25 illustrations, 18 tables. Price: £ 4.00 (approximately US \$ 9.00).

A textbook, mainly addressed to senior undergraduates and research students, where population genetic problems are essentially viewed in the light of the two directing forces, variation and natural selection. The mathematical treatment of the subject is very restricted in comparison with similar text, although the necessary references are given.

METHODS AND THEORIES OF ANTHROPOLOGICAL GENETICS

Edited by M.H. Crawford and P.L. Workman. A School of American Research Book. University of New Mexico Press, Albuquerque 1973. Hard cover with jacket, 15.5 × 23.5 cm, XVIII + 509 pp, 51 illustrations, 57 tables. Price: US \$ 20.00.

An outgrowth of a School of American Research Advanced Seminar, this book examines important areas of research in anthropological genetics, largely stimulated in the last ten to twenty years by theoretical and methodological developments, such as the increasing number of known genetic polymorphisms, or the application

of sophisticated computer techniques, e.g., to estimate genetic distances among populations, or to predict evolutionary trends, etc. The book is essentially centered on these aspects, dealt with in 19 chapters by a total of 22 specialists.

RACE

By John R. Baker. Oxford University Press, London-New York-Toronto 1974. Hard cover with jacket, 15.5 × 23.5 cm, XVIII + 625 pp, 82 illustrations. Price: £ 6.50 (approximately US \$ 15.00).

Directed to both the general educated public and to the various specialists in the different aspects of race, this book provides an attempt to encompass everything relevant to the concept of race. Part 1 provides an historical background and Part 2, the biological background, i.e., the zoological criteria used to distinguish between species and races, the nature of hybrids, and the basis on which animals have been graded as primitive or advanced. Part 3 deals with studies of selected human groups, Europids, Jews, Celts, Australian aborigines, Bushmen, and Negrids. The importance of differences in appearance and body structure, involving polygenic control, are stressed as compared to those genetic markers, such as blood groups, controlled by single genes. Part 4 finally examines the criteria of superiority and inferiority by defining what is meant by intelligence and by reviewing the evidence on the inheritance of cognitive abilities and the racial differences in achievement.

THE CONCEPTS OF HUMAN EVOLUTION

Proceedings of a Symposium organized by the Anatomical Society of Great Britain and Ireland and the Zoological Society of London

Edited by S. Zuckerman (Norwich, GB). Academic Press, London and New York 1973. Vol. 33 in the series, Symposia of the Zoological Society of London. Hard cover with jacket, 15 × 22.5 cm, IX + 480 pp, illustrated. Price: £ 10.30 (approximately US \$ 24.00).

Proceedings of a symposium of the Zoological Society of London held to commemorate the