

An analysis of meiotic configurations afforded in a strictly genetic perspective, i.e., with the specific purpose of deriving a network of systems to be applied, as generally as possible, in order to estimate genetic parameters of various nature. The book is subdivided into four main chapters. The first one introduces meiosis and the nature and quality of information that may be derived from its configurations, whereas chapter 2 is devoted to the analysis of crossingover, chapter 3 to the analysis of chromosome pairing, and chapter 4 to the analysis of distribution.

INHIBITORS OF NUCLEIC ACID SYNTHESIS

By H. Kersten and W. Kersten (Erlangen, GFR). Vol. 18 in the series, Molecular Biology, Biochemistry and Biophysics. Springer-Verlag, Berlin-Heidelberg-New York 1974. Hard cover, 17 × 25 cm, IX + 184 pp, 73 figures. Price: DM 68 / US \$ 29.60.

A monograph dealing with those antibiotics which interfere with the biosynthesis of nucleic acids, namely: (1) inhibitors of DNA synthesis (mitomycin, streptonigrin, sibiromycin, phleomycin, bleomycin, neocarzinostatin, edeine, nalidixic acid); (2) inhibitors of RNA synthesis that interact with the DNA template (actinomycin, anthracyclines, chromomycin, olivomycin, mithramycin, kanchanomycin, distamycin and netropsin, anthramycin); (3) inhibitors of RNA synthesis interacting with RNA polymerases (rifamycins, streptovaricin, streptolydigin, amanitins); (4) inhibitors interfering at the precursor level or with regulatory processes of nucleic acid synthesis (nucleoside antibiotics, mycophenolic acid, aminoacid analogs, quinone antibiotics).

DIABETES MELLITUS. A

Edited by K. Oberdisse (Düsseldorf, GFR). Springer Verlag, Berlin-Heidelberg-New York 1975. Part 2A 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, XXIV + 907 pp. 113 figures. Price: DM 360 / US \$ 147.60. Subscription price: DM 288 / US \$ 118.10.

A new addition to Springer's monumental Handbook of Internal Medicine, fifth edition (in German), this is the first of two volumes devoted to diabetes mellitus, within part 7 of the handbook, Errors of Metabolism. The following aspects are dealt with in this first volume: morphology of the insular system; chemistry, secretion, metabolism, and immunology of insulin; relation between anterior lobe of hypophysis and diabetes mellitus in animal experimentation; metabolic action of glucagon, of thyroid hormone, of corticosteroids, and of catecholamins; experimental diabetes; animals with spontaneous diabetes; genetics of idiopathic diabetes; epidemiology and etiology and pathogenesis of diabetes; growth hormone and diabetic vascular disease; diagnostic and clinical aspects of diabetes; diabetes in childhood; gestation and diabetes.

GENETIC COUNSELING

Papers by A.G. Motulsky, C.O. Carter, A.E.H. Emery et al. MSS Information Corporation, New York 1974. Hard cover, 16 × 23 cm, 256 pp, illustrated. Price: US \$ 19.50.

Reproduction of a number of selected papers, published in the past 5-8 years by Motulsky, Carter, Emery, Nadler, and others, on various theoretical and practical aspects of genetic counseling as well as on prenatal genetic diagnosis, with emphasis on the specific techniques and effectiveness of amniocentesis.

GEMINI

The Psychology and Phenomena of Twins

By Judy W. Hagedorn and Janet W. Kizziar. Published by Droke House / Hallux (116 West Orr Street, Anderson, S.C. 29621, USA), 1974. Hard cover, 15 × 23 cm, 138 pp. Price not indicated.

A nice booklet, written by twin psychologists essentially for twins and their families and for the interested layman, but where scientists will also find useful information.