

INTRODUCTION TO MOLECULAR EMBRYOLOGY

By Jean Brachet (Brussels, Belgium). The English Universities Press, and Vol. 19 in the series, Heidelberg Science Library, Springer-Verlag, Berlin-Heidelberg-New York 1974. Soft cover, 15.5 × 22.5 cm, XI + 176 pp, 67 illustrations. Price: DM 14.40/US \$ 5.90.

An authoritative approach to the problems of embryology in molecular terms, this book first sets the premises by explaining how the classic descriptive approach in embryology may now be reviewed at the molecular level, and what are the mechanisms through which genes direct the synthesis of specific proteins. The logical order of embryonic development is then followed: gametogenesis, fertilization, cell division, and cell differentiation. The chemical embryological approach is used to examine the development of two series of respectively invertebrate and vertebrate eggs. The biochemical interactions between nucleus and cytoplasm during morphogenesis are also considered. The presentation is plain, so that it may be easily accessible to nonspecialists.

GENE EXPRESSION

Volume 2: Eukaryotic Chromosomes

By B. Lewin (Cambridge, Massachusetts, USA). John Wiley & Sons, New York-Sydney-Toronto 1974. Hard cover with jacket, 16 × 23.5 cm, XIV + 467 pp, illustrated. Price: £ 8.00 (approximately US \$ 18.40).

An account of the molecular biology of the gene in the cells of higher organisms is provided by this second volume, the mechanism and control of gene expression in bacteria having been dealt with in Volume 1. The structure of the eukaryotic genetic apparatus is examined first (structure of the chromosome, chromosome functions during the cell cycle, protein components of the chromosome, sequences of eukaryotic DNA). The expression of eukaryotic genetic information is then examined (transcription and processing of RNA, control of transcription, and interaction between nucleus and cytoplasm).

Acta Genet. Med. Gemellol. (1975), 24: 182

THE MAMMALIAN FETUS IN VITRO

Edited by C.R. Austin (Cambridge, GB). Chapman and Hall, London 1973. Hard cover with jacket, 16.5 × 24 cm, XII + 388 pp, illustrated. Price: £ 8.00 (approximately US \$ 18.40).

A series of contributions on the following subjects: implications of viviparity; studies on mammalian fetuses in vitro during the period of organogenesis; adaptations of marsupial pouch young for extrauterine existence; experimental techniques in fetal and placental physiology; isolated extracorporeal placentation of the fetal lamb; extracorporeal maintenance of small human fetuses; extracorporeal circulation for the study of the pre-term fetus; physiological principles involved in the care of the pre-term human infant; progress and future prospects in the study of the fetus in vitro.

AN ATLAS OF MAMMALIAN CHROMOSOMES

Volume 8

By T.C. Hsu (Houston, Texas, USA) and Kurt Benirschke (La Jolla, California, USA). Springer-Verlag, Berlin-Heidelberg-New York 1974. Loose-leaf boxed, 21.5 × 28 cm, XXXIX + 211 pp, 50 plates. Price: DM 48.60/US \$ 21.20.

HORIZONS IN PERINATAL RESEARCH

Implications for Clinical Care

Edited by N. Kretchmer (Stanford, California, USA) and E.G. Hasselmeier (Bethesda, Maryland, USA). John Wiley & Sons, New York-London-Sydney-Toronto 1974. Proceedings of a symposium. A volume in the series, Clinical Pediatrics, Maternal and Child Health, edited by N. Kretchmer. Hard cover with jacket, 15.5 × 23.5 cm, XVIII + 193 pp, illustrated. Price: US \$ 8.25.

PATHOLOGIE DER PERINATALPERIODE

PATHOLOGY OF THE PERINATAL PERIOD

By K. Kloos and M. Vogel (Berlin). Georg Thieme Verlag, Stuttgart 1974. Hard cover with jacket, 18 × 24.5 cm, VIII + 382 pp, 163 illustrations and 54 tables. Price: DM 130 (approximately US \$ 52.00).

GENETISCHE BERATUNG - PRAENATALE DIAGNOSTIK
GENETIC COUNSELING - PRENATAL DIAGNOSIS

By G. Koch (Erlangen-Nürnberg, GFR). Verlag Palm und Enke, Erlangen 1974. Vol. 3 in the series, *Bibliographica Genetica Medica*. Soft cover, 14.5 × 20 cm, 126 pp. Distributed by the University Department of Human Genetics and Anthropology, Erlangen-Nürnberg, GFR.

ELEMENTS OF MEDICAL GENETICS

Third Edition

By Alan E.H. Emery (Edinburgh, GB). Churchill Livingstone, Edinburgh and London 1974. Soft cover, 13.5 × 21.5 cm, 231 pp, 45 illustrations and 23 tables. Price: £ 1.75 (approximately US \$ 4.00). First edition in 1968 under the title, *Heredity, Disease, and Man*.

GENETIK - EIN GRUNDRISS

Zweite verbesserte Auflage

By H. Kalmus (London). Georg Thieme Verlag, Stuttgart 1973. Soft cover 12 × 19 cm, 179 pp, 31 illustrations and 5 tables. Price: DM 9.80 (approximately US \$ 4.00).

A second revised edition of the German translation of the English original, *Genetics*, first published in 1948 (London: Heinemann Educational Books).

ENTWICKLUNGSBIOLOGISCHE GENETIK

By C.L. Markert (New Haven, Connecticut, USA) and H. Ursprung (Zurich, Switzerland). Gustav Fischer Verlag, Stuttgart 1974. Soft cover, 15 × 22.5 cm, XII + 176 pp, 118 illustrations. Price: DM 34.00 (approximately US \$ 13.60).

A German translation of the American original, *Developmental Genetics*, first published in 1971 (Englewood Cliffs, NJ: Prentice Hall).

MEDIZINISCHE MIKROBIOLOGIE

Dritte, überarbeitete und erweiterte Auflage

By E. Jawetz (S. Francisco, California, USA), J.L. Melnick (Houston, Texas, USA), E.A. Adelberg (New Haven, Connecticut, USA). Springer-Verlag, Berlin-Heidelberg-New York 1973. Soft cover, 16.5 × 24 cm, XV + 815 pp, 209 illustrations. Price: DM 48.00/US \$ 21.60.

Third edition, revised and enlarged, of the German translation of the American Original, *Review of Medical Microbiology*, 10th edition 1972 (Los Altos, CA: Lange Medical Publications).

INTRINSIC DISEASES OF BONES

Edited by H.J. Kaufmann (Philadelphia, Pennsylvania, USA). Karger, Basel-München-Paris-London-New York-Sidney 1973. Vol. 4 in the series, *Progress in Pediatric Radiology*. Hard cover with jacket, 17 × 24 cm, XIV + 594 pp, 481 illustrations, 16 tables. Price: SFr. 214.00/US \$ 66.35.

THYMIC HORMONES

Edited by T.D. Luckey (Columbia, Missouri, USA). Urban & Schwarzenberg, München-Berlin-Wien 1973. Hard cover with jacket, 16 × 23 cm, X + 376 pp, illustrated. Price not indicated.

SPECIAL TOPICS IN CARCINOGENESIS

Edited by E. Grundmann (Münster, GFR). Springer-Verlag, Berlin-Heidelberg-New York 1974. Proceedings of a symposium of the Gesellschaft zur Bekämpfung der Krebskrankheiten. Vol. 44 in the series, *Recent Results in Cancer Research*, edited by P. Rentchnick. Hard cover, 17 × 24.5 cm, VIII + 188 pp, 54 illustrations. Price: DM 58.00/US \$ 22.40.

PROTAMINES

Isolation, Characterization, Structure, and Function

By T. Ando, M. Yamasaki, K. Suzuki (Tokyo, Japan). Springer-Verlag, Berlin-Heidelberg-New York 1973. Vol. 12 in the series, *Molecular Biology, Biochemistry, and Biophysics*, edited by A. Kleinzeller, G.F. Springer, H.G. Wittmann. Hard cover, 16.5 × 24.5 cm, IX + 114 pp, 24 illustrations. Price: DM 48 (approximately US \$ 19.70).

PARASITISM AND OTHER ASSOCIATIONS

By Neil A. Croll (London, GB). Pitman Medical, London 1973. Soft cover, 18.5 × 24.5 cm, VII + 98 pp, 66 illustrations. Price: £ 1.75 (approximately US \$ 4.00).

INVERTEBRATE ENDOCRINOLOGY
AND HORMONAL HETEROPHYLLY

Edited by W.J. Burdette (Houston, Texas, USA).
Springer-Verlag, Berlin-Heidelberg-New York 1974.
Hard cover with jacket, 16.5 × 24 cm, XVIII + 438
pp, 91 illustrations. Price: DM 55.70/US \$ 21.50.

THE CELL CYCLE
IN DEVELOPMENT AND DIFFERENTIATION

*Proceedings of a Symposium of the British Society
for Developmental Biology*

Edited by M. Balls and F.S. Billet. Cambridge
University Press, London 1973. Hard cover with
jacket, 16.5 × 23.5 cm, XI + 483 pp, illustrated.
Price: £ 11.00/US \$ 32.50.

THE LIFE GAME

By Nigel Calder. British Broadcasting Corporation,
London 1973. Hard cover with jacket, 19.5 × 25 cm,
142 pp, illustrated also with color plates. Price:
£ 2.50 (approximately US \$ 5.50).