

The authors are properly cautious about the accomplishments, to date, of immunotherapy of cancer in man. However, they present in a logical and compelling manner the evidence that considerable progress can be anticipated in this field in the next decade. The bibliography is not intended to be comprehensive but is still a very complete collection of the relevant papers. Consequently, the volume, although primarily valuable as an introduction to this fascinating area, will also be a useful source for those already working in this field.—*W. H. Churchill, M.D.*

**The Cell and Tissues of the Immune System Structure, Functions, Interactions.** By *Leon Weiss*, Englewood Cliffs, N.J. Prentice-Hall, 1972, 252 pages.

This 252-page book written by a leading investigator who relates histologic structures to function and immunity is an example of clarity and precision in writing. The book is amply illustrated by light and electronmicrographs of

high quality, accompanied by drawings to help the uninitiated reader. The author draws upon a wide variety of species to illustrate the mechanisms by which lymphatics function in transport of fluid and particles. In the discussion on the structure of the bone marrow, spleen, thymus, and lymph nodes, instead of the usual static picture of cells and tissues, a dynamic living picture is presented showing the migration pathways of cells and how nature presents them with opportunities to encounter antigens and to engage in immunologic responses. A brief section on specific techniques such as fluorescent and ferritin labeling, immunochemistry, horseradish peroxidase methodology and autoradiography are very useful in showing the student how new technology produces new insights into function and imparts a dynamic quality to histology. This book is recommended for students in medicine and biology. It is also a good, brief dissertation for the investigator, placing facts in perspective and weaving the far flung anatomic parts of the immune system into a cohesive functional picture.—*Eugene P. Cronkite, M.D.*

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## BOOKS RECEIVED FOR REVIEW

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1. **The Cells and Tissues of the Immune System.** By *Leon Weiss*. Englewood Cliffs, N.J., Prentice-Hall, 1972, 252 pages, no price given.
  2. **Understanding Hematology.** By *Murray Nussbaum*. Flushing, N.Y., Medical Examination Publishing Co., Inc., 1973, 229 pages, \$8.00.
  3. **Bacterial Lipopolysaccharides, The Chemistry, Biology and Clinical Significance of Endotoxins.** Edited by *Edward H. Kass and Sheldon M. Wolff*. Chicago, The University of Chicago Press, 1973, 304 pages, \$10.95.
  4. **Mechanisms in Allergy Reagin-mediated Hypersensitivity.** Edited by *L. Goodfriend, Alec H. Schon, and Robert P. Orange*. New York, Marcel Dekker, Inc., 1973, 578 pages, \$26.50.
  5. **Electrophoretic Screening Procedures.** By *S. T. Nerenberg*. Philadelphia, Lea & Febiger, 1973, 236 pages, no price given.
  6. **Chemical Mutagens: Principles and Methods for Their Detection, Volume 3.** Edited by *A. Hollaender*. New York, Plenum Publishing Co., 1973, 304 pages, \$19.50.
  7. **Stroke-Diagnosis and Management, Current Procedures and Equipment.** By *William S. Fields and John Moossy*. St. Louis, Mo., Warren H. Green, Inc., 1973, 304 pages, \$15.50.
  8. **Immunopotential-Ciba Foundation Symposium 18 (new series).** By *Ciba Foundation*. New York, American Elsevier Publishing Co., Inc., 1973, 357 pages, \$20.00.
  9. **Micromethods in Molecular Biology, Molecular Biology, Biochemistry and Biophysics.** Edited by *V. Neuhoff*. New York, Springer-Verlag, 1973, 430 pages, \$40.20.
- Note: A "cookbook" of micromethods, with the following chapters:

1. Micro-Electrophoresis on Polyacrylamide Gels
  2. Micro-Determination of Amino Acids and Related Compounds with Dansyl Chloride.
  3. Micro-Determination of Phospholipids
  4. Micro-Diffusion Techniques
  5. Capillary Centrifugation
  6. Micro-Electrophoresis for RNA and DNA Base Analysis
  7. Determination of the Dry Mass of Small Biological Objects by Quantitative Electron Microscopy
  8. The Construction and Use of Quartz Fiber Fish Pole Balances
  9. Microphotometry
  10. Cytofluorometry
  11. Quantitative Autoradiography at the Cellular Level
  12. Micro-Dialysis
  13. Micro-Homogenisation
  14. Wet Weight Determination in the Lower Milligram Range
  15. Micro-Magnetic Stirrer
  16. Production of Capillary Pipettes
10. Blood Platelets 1972 (an annotated bibliography). By *B. Maupin*. New York, American Elsevier, 1974, 308 pages, \$26.50.
11. Liver Biopsy Interpretation (ed. 2). By *Peter J. Scheuer*. Baltimore, Md., Williams & Wilkins, 1973, 180 pages, \$24.75.
12. Bone Marrow Morphology and Mechanics of Biopsy. By *Emil M. Schleicher*. Springfield, Ill., Thomas, 1973, 200 pages, \$16.75.
13. The Heart. Edited by *J. W. Hurst, R. B. Logue, R. C. Schlant, and N. K. Wenger*. New York, McGraw-Hill Book, 1974, 1845 pages, \$39.50.
14. Nomenclature and Criteria for Diagnosis of Diseases of the Heart and Great Vessels. By *The Criteria Committee of the New York Heart Association*. Boston, Little, Brown, 1973, 363 pages, \$5.95-paper, \$8.95-cloth.
15. Practical Clinical Hematology; Interpretation and Techniques: A volume in the Stanford Series on Methods and Techniques in the Clinical Laboratory. By *P. Wolf, P. Ferguson, I. T. Mills, E. Von der Muehl, and M. Thompson*. New York, Wiley 1973, 475 pages.
- Note: Lists the major hematology laboratory procedures in the following format: principle; equipment; comments on procedure; procedure; normal range; reference; interpretation.
16. Transfusion of Blood Preserved by Freezing. By *Sajio Sumida*. Philadelphia, Lippincott, 1973, 100 pages.
- Note: This monograph summarizes the author's studies on frozen blood and freezing of platelets, with emphasis on methodology.

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## CORRESPONDENCE

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### *To the Editor:*

Dr. Matti and his colleagues (*Blood* 42:959, 1973) are mistaken in suggesting that other investigators have failed to find a correlation between iron content of epithelial cells and iron absorption or that the effect of "messenger" iron has not yet been detected. Our previous work in rats has shown that the iron content of the epithelial cells indeed varies, as Dr. Matti et al. have shown, and that, in iron deficiency, depletion is associated with a reduction of

mitochondrial iron and of iron-enzyme activities (*Br J Haematol* 23:605, 1972). The intravenous administration of transferrin-bound <sup>59</sup>Fe is followed by the appearance of the tracer in the epithelial mitochondria, and this process is more rapid in iron-deficient animals (*Br J Haematol* 22:265, 1972). Iron uptake from the lumen is related to the iron status of the epithelial cell and in the first 4 hr after an oral dose of iron transfer from the cell to the plasma is related to the appearance and disappearance