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*Lysosomes in Biology and Pathology; Volume 6*

Frontiers of Biology, 48

Edited by J. T. Dingle, P. J. Jacques and I. H. Shaw  
Elsevier/North-Holland; Amsterdam, New York, 1979  
xxii + 720 pages. \$109.75; Dfl 225.00

This is the sixth volume of a series that commenced in 1969; volume 5 was published 3 years earlier. The current volume contains a wide variety of topics of current interest to those working with lysosomes in particular, but has considerable value in addition to persons working in cell biology and biochemical pathology.

The contributions fall into 4 main sections (the numbers of contributions in each being in parentheses): lysosomes in pathology (6); lysosomal function in leucocytes (6); lysosomal function in macrophages (4); disease therapy and lysosomal function (7).

The standard of production, printing and illustrations is high and, as may be expected from the previous volumes in the series, the contributions are well edited. However, my impression with a few of the contributions is that they were prepared some considerable

time before publication since the reference lists in these cases mainly stop at 1977. The majority of the presentations, however, have very recent references to background literature.

All of the chapters contain interesting accounts, in my opinion, but I specially enjoyed the contributions on the effects of silica and asbestos (Allison and Morgan), liposomes (Ryman and Tyrell), phagosome-lysosome fusion (D'Arcy and Hart), metal chelation therapy (Rahman), effects of excited oxygen (Allen) and enzyme replacement therapy (Lloyd and Griffiths).

The editors are to be congratulated on producing another first-rate volume in a most valuable series.

T. F. Slater

*Hormones and Cell Culture*

Cold Spring Harbor Conferences on Cell Proliferation; Volume 6 (books A and B)

Edited by G. H. Sato and R. Ross  
Cold Spring Harbor Laboratory; New York, 1979  
x + 982 pages. \$95.00

A large number of books, serial publications and conference proceedings have made their appearance in the seventies that deal with the topics of hormone action and the application of techniques of tissue culture to problems of cellular proliferation and growth. But there is no combination of information on these two subjects quite like that offered in these two volumes, which are the outcome of a meeting held at

Cold Spring Harbor in August 1978.

The late Gordon Tomkins pioneered the application of transformed cells in culture to the elucidation of the mechanism of hormone action and it is therefore most fitting to have the two books dedicated to his memory. The first volume opens with an 'In Memoriam' by Gunther Stent and John Baxter, followed by a reprint of one of Tomkins' last publications, that on