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NEW BOOKS SIGNIFICANT IN
SYSTEMATIC BACTERIOLOGY

Miniaturized Microbiological Methods. By Paul A. Hartman. Academic Press, New York, N. Y. 1968. Price \$10.50.

The objective (quite fully realized) of this book is to be found in the Preface: "Emphasis has been placed on the techniques themselves rather than on the biological systems for which the techniques were originally used." That the text is not a manual, and that original citations must be consulted is emphasized. It is a selection, not a compendium, of techniques.

Twenty-two topics are considered, followed by a list of sources and references, and by adequate author and subject indices. A listing of the topics considered shows care in selection and organization. They are: little tube methods, capillary tube methods, modifications of the hanging drop method, hanging block and related methods, impression culture techniques, in vitro slides or perfusion chambers, slide culture techniques, culture on inert materials other than glass, multiple inoculation methods, agar diffusion methods, paper strip and disc methods, substrate-film methods, divided plate methods, assorted sample techniques, Burri strip and oral tube methods, contact plate methods, roll tube and roll bottle methods, gradient methods, isotopes to detect early reactions, in vivo culture techniques, and automation and miniaturized methods.

The above listing fails to do justice to the content of the several chapters. The reader has an annotated list of more than eleven hundred fifty pertinent references.

The language is technical, but not difficult. Sentences are terse but easily understood. An unusually usable introduction to "Miniature Methods."

- R. E. Buchanan