

**THE A B C OF PHOTO-
MICROGRAPHY; A
PRACTICAL HAND-BOOK
FOR BEGINNERS**

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The A B C of photo-micrography; a practical hand-book for beginners by W. H. Walmsley

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W. H. WALMSLEY

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THE A B C OF PHOTO-MICROGRAPHY

A Practical Handbook
for Beginners

BY

W. H. WALMSLEY, F.R.M.S., F.A.A.S.

CHARTER MEMBER AMERICAN MICROSCOPICAL SOCIETY, ETC.

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Miss Fern Sue

TO MISS
SUE FERN SUE

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PREFACE

THE only apology I can offer for the being of this little work is a dual one, smacking somewhat of egoism. It had appeared for a long time—to me—that it was needed, and further that I could fill the need. Acting under this belief, or possibly delusion, it has been written; whether successful as to the second proposition, its readers must determine for themselves. There can be no two opinions, however, regarding the first, for it is a matter of fact, that in all the world of books—so far as my researches have extended—there is not one through which a person totally unacquainted with the practical requirements of Photo-Micrography can learn them. There are some fairly elaborate works on the subject, but one and all, assuming their readers to be fully acquainted with the alphabet, as it were, of the science or art, start them at the outset in reading lessons ere they have learned to spell. The result is, that by hard work, much perseverance and many failures alone, can they hope to make acquaintances with the *little* things of vital importance to be done, or left undone which the books have signally failed to teach.

With keen recollections of my own early struggles and failures, I have in these pages sought to aid the novice, by an earnest endeavor to teach him the A B C of the matter and explain clearly as possible the simple but indispensable methods and manipulations, by which alone he can hope to arrive at any measurable success. The book has

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not been written for advanced scholars, but is simply intended for kindergarten use, as it were. In furtherance of this design, care has been given to explain many things so simple that they would seem to be self-evident to those already familiar with the requirements of Photo-Micrography, but which, alas, are often insurmountable obstacles to the beginner; a feature quite ignored in all the works on the subject which have come under my notice. With this explanation of its scope and purposes, the little work is put forth accompanied by the earnest hope that it may prove to be a useful aid to many an earnest gleaner in the ever-broadening field of Photo-Micrography.

My earnest thanks are due, and herewith expressed, to the many kind friends who have aided my efforts in the "long ago" by precept and practice. Among them I would especially name my old-time friend, Dr. A. Clifford Mercer, of Syracuse, New York, and Dr. Wm. M. Gray, of the Army Medical Museum, Washington, D. C., each of whom has so largely contributed to the advancement of Photo-Micrography, to its present important condition of comparative perfection. My thanks are also due, in like measure, to the publishers, whose liberality, experience and good taste have done so much toward presenting the little volume in its present attractive form. And, I may add in conclusion, that should it meet with the hoped-for approval at the hands of my readers, it will probably be followed by a much fuller and more elaborate treatise on the same subject, which has been in course of preparation for several years.

PHILADELPHIA, PA., July 4, 1902.

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