

**CATALOGUE OF WORKS
ON THE MICROSCOPE, AND
OF THOSE REFERRING TO
MICROSCOPICAL SUBJECTS**

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Catalogue of Works on the Microscope, and of Those Referring to Microscopical Subjects by
Freeman C. S. Roper

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FREEMAN C. S. ROPER

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FREEMAN C. S. ROPER,
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Optimum rerum principia parva sunt.

Cic.

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1865.

“THEREFORE, at present we shal keep within the compass of the Microscope, and look at nothing further than what we can discover therein: ‘The knowledge of Man (saith the learn’d Verulam) hath hitherto been determin’d by the view or sight, so that whatsoever is invisible, either in respect of the fineness of the Body it self, or the smalness of the parts, or of the subtilty of its motion, is little enquired; and yet these be the things that govern Nature principally:’ How much, therefore, are we oblig’d to modern Industry, that of late hath discover’d this advantageous Artifice of Glasses, and furnish’d our necessities with such artificial Eyes, that now neither the fineness of the Body, nor the smalness of the parts, nor the subtilty of its motion, can secure them from our discovery.”

POWER, ‘*Mic. Obs.*,’ 1664.

PREFACE.

THE motive that has induced me to print the present Catalogue has been the want long felt by myself, and which I have often heard expressed by other observers, of some tolerably complete list of works on the Microscope, and on subjects that require the aid of that instrument for their elucidation; or which refer to matters interesting to those engaged in Microscopical studies. As far as I am aware, no extensive catalogue is at present available to the Microscopical student, either of the works preceding the modern improvements in the instrument, many of which are still of considerable interest; or of the larger number that have been devoted to the subject since the perfection attained by the Compound Microscope has led to its almost universal use, both in medical studies and in nearly every branch of Natural History. In its compilation, although I have endeavoured to follow, with as much accuracy as possible, the plan adopted by Mr. Dryander in his valuable 'Catalogus Bibliothecæ Historico-Naturalis Josephi Banks,' so far as to give, not only the names and titles, but the number of pages and plates in each work; I have not thought it

advisable, though it might be considered an improvement, to give a list of every separate article from the transactions of the Microscopical, Linnean, or other societies, or from those scientific journals, which contain valuable contributions to Microscopical Science. At present I simply confine myself to the works especially devoted to the construction and use of the Microscope; to those treating of Infusoria, Polycystina, the various classes of minute Algae, and other objects which can only be examined by the aid of optical power; and to such subjects as Zoophytology, Cryptogamic Botany, or to minute dissections in any department of Natural History, for which the aid of the Microscope is absolutely necessary. A few books have been added as giving the best account of optical instruments, and the most complete list of works on Microscopical subjects, and one as containing the lives of many of the earliest labourers in this field of study. The Catalogue comprises all the works of the older writers which, after diligent search, I have been able to collect during the past fifteen years; and the greater part of those published during that period, both here and abroad; but in the class of pamphlets, I have, with only a few exceptions, confined myself to those of which I have obtained separate copies, and which therefore may be entitled to rank as distinct works. I am much indebted for the trouble taken by Mr. Wheldon in obtaining for me copies of the old English authors, and especially to Messrs. Williams and Norgate for collecting from various parts of the Continent many very interesting, but to them very unremunerative publications, which I had vainly endeavoured to procure in

this country. I have endeavoured to make the Catalogue more generally useful by adding an index to the various classes of subjects to which the books refer; but the books themselves are invariably entered under the authors' names. The arrangement and compilation have not been made without a considerable amount of trouble; but if even in a few instances it should prove as useful to other observers as in manuscript it has been to myself, I shall consider that I am fully repaid for the time and labour bestowed on its preparation.

3, CARLTON VILLAS, MAIDA VALR;
October 12th, 1865.