

Cambridge University Press

978-1-107-49473-2 - The Chemical Examination of Water, Sewage, Foods: And
Other Substances: Second @ Enlarged Edition

J. E. Purvis and T. R. Hodgson

Frontmatter

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CAMBRIDGE PUBLIC HEALTH SERIES

UNDER THE EDITORSHIP OF

G. S. GRAHAM-SMITH, M.D., F.R.S., *University Lecturer in Hygiene and
Secretary to the Sub-Syndicate for Tropical Medicine*

AND

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to Hygiene and Preventive Medicine, and Secretary to the State Medicine Syndicate*

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AND OTHER SUBSTANCES**

BY

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SECOND & ENLARGED EDITION

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EDITORS' PREFACE

IN view of the increasing importance of the study of public hygiene and the recognition by doctors, teachers, administrators and members of Public Health and Hygiene Committees alike that the *salus populi* must rest, in part at least, upon a scientific basis, the Syndics of the Cambridge University Press have decided to publish a series of volumes dealing with the various subjects connected with Public Health.

The books included in the Series present in a useful and handy form the knowledge now available in many branches of the subject. They are written by experts, and the authors are occupied, or have been occupied, either in investigations connected with the various themes or in their application and administration. They include the latest scientific and practical information offered in a manner which is not too technical. The bibliographies contain references to the literature of each subject which will ensure their utility to the specialist.

It has been the desire of the editors to arrange that the books should appeal to various classes of readers: and it is hoped that they will be useful to the medical profession at home and abroad, to bacteriologists and laboratory students, to municipal engineers and architects, to medical officers of health and sanitary inspectors and to teachers and administrators.

Many of the volumes will contain material which will be suggestive and instructive to members of Public Health and Hygiene Committees; and it is intended that they shall seek to influence the large body of educated and intelligent public opinion interested in the problems of public health.

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AUTHORS' PREFACE TO FIRST EDITION

THIS book is intended for the use of students who are attending courses of instruction for diplomas and degrees in Public Health, and for those who are studying the chemistry of water, sewage, sewage effluents, foods, disinfectants, etc. during their ordinary laboratory practice. It will probably be also useful to those who are engaged as public analysts or in public health matters generally.

It does not give an exhaustive account of all the available methods of examination, but it describes those which have been used and tested by the authors both in laboratory instruction and in the daily work of a public analyst. Full references are given in the text to the sources of the different methods, and, at the end, there is a short bibliography of some of the more important works which discuss the various subjects. No illustrations have been introduced, as the apparatus, as well as the appearance and characters of the substances which require the use of a microscope, can only be fully understood and appreciated in the actual practical work of the laboratory.

A considerable number of typical analyses have been introduced to illustrate the variations which may occur in the composition of the articles themselves. We desire to convey our grateful thanks to those who have allowed us to insert the results of their own work and which we have acknowledged by name in the appropriate places.

The methods employed in the bacteriological examination of water, sewage, foods, air, etc. is the subject of a separate volume in this series by Dr W. G. Savage.

J. E. P.
T. R. H.

CAMBRIDGE,
July, 1914.

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PREFACE TO THE SECOND EDITION

THE success of the first edition has given an opportunity to the authors to make the book still more useful to students. They have included in this edition a considerable amount of fresh matter and newer methods of analysis. The chapters on water and milk have been expanded, and a more detailed account is described of the methods of analysis of foods and beverages. A chapter has been added containing an outline of elementary toxicological analysis.

The helpful criticisms by reviewers of the first edition have been carefully considered and their suggestions have usually been incorporated and developed in this enlarged edition.

J. E. P.

T. R. H.

CAMBRIDGE,

January, 1922.

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