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BULLETIN



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No. XXVII

NOTE

THE BULLETIN is published early in each term and will be regularly sent, post free, to any address on receipt of a card addressed to Mr C. F. Clay, Cambridge University Press, Fetter Lane, E.C., where books mentioned in this *Bulletin*, as well as other publications of the Press, may be inspected.

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The Cambridge Modern History Atlas. Edited by
A. W. Ward, Litt.D., P.B.A.; G. W. Prothero, Litt.D.,
F.B.A.; and Stanley Leathes, M.A., C.B. Assisted by
E. A. Benians, M.A.

Royal 8vo. Cloth. Containing 141 maps, with an Introduction (pp. 118)
and Index. Price 25s. net.

The general idea of the Atlas is to illustrate...the course of events by which the Europe of the fifteenth century has been transformed into the Europe of the present day. Some of the maps are designed to illustrate political divisions, others territorial changes, wars by land or sea, the growth of particular states, the course of religious changes, and the history of colonial expansion....Nearly all the maps are coloured, and mountain ranges are inserted wherever the configuration of the country seems to have affected the course of events illustrated by the particular map.

The arrangement of the maps follows, so far as possible, the order of the narrative in *The Cambridge Modern History*, and an endeavour has been made to insert all the place names that occur in it. At the same time, the entire series is designed to stand by itself as an Atlas of Modern History. ...A historical introduction traces the course of the territorial changes and explains the purpose of each map; and an index of the names inserted in the maps is added to increase the usefulness of the Atlas as a work of reference. The Introduction has been written by Mr E. A. Benians, Fellow and Lecturer of St John's College, who was entrusted by the Editors with the general work of constructing the maps and revising them during reproduction, and who has carried out this work under their supervision. The maps are of the size of either a single page of the *History* or of an opening of two pages; and they are mounted on guards. The Atlas forms a bound volume uniform in size and style with the volumes of the *History* itself. (See next page.)

Standard. The ever-changing political divisions of the world during the last 500 years are so graphically portrayed in the coloured maps that the reader sees, as it were, a mechanical panorama showing how a given piece of territory was conquered by one nation, reconquered by another, and finally broken up into separate independent political entities, or 'distributed' as spoils of war....The maps are all designed according to scale, latitude and longitude; for clear-cut detail and execution they are equal to the finest maps published on the Continent, which is saying a good deal.

The Cambridge Modern History. *Planned by the late Lord Acton, LL.D. Edited by A. W. Ward, Litt.D., P.B.A.; G. W. Prothero, Litt.D., F.B.A.; and Stanley Leathes, M.A., C.B.*

Complete in fourteen volumes. Royal 8vo. Prices:—Bound in Buckram, £8. 15s. *od.* net; in Roxburghe £11. 0s. *od.* net; in Three-Quarter Morocco, £14. 5s. *od.* net; in Full Morocco, £20. 0s. *od.* net. The volumes are sold separately in the Buckram binding, price: 16s. net each Text Volumes; General Tables and Index 16s. net; Atlas 25s. net.

The aim of *The History* is to unfold the general history of Europe and her Colonies, and of America, from the Middle Ages to the present day and the principles on which the work is based are epitomised in the following extract from Lord Acton's original report:

‘The essential elements of the plan I propose for consideration are these:—

Division of subjects among many specially qualified writers;

Highest pitch of knowledge without the display;

Distinction between the organic unity of general history and the sum of national histories, as the principle for selecting and distributing matter;

Proportion between historic thought and historic fact;

Chart and compass for the coming century.’

The text is contained in twelve volumes, for each of which some historical fact of signal importance is chosen as the central idea round which individual volumes are grouped, not accidentally, but of reasoned purpose.

Daily Telegraph. It is as a work of scientific accuracy and profundity that *The Cambridge Modern History* stands unrivalled. So far as truth can be ascertained by mortal men, so far as learned, impartial criticism can be final, we have them there.

A booklet giving a full description of the *History* will be sent post free on receipt of a postcard addressed to The Cambridge University Press, Fetter Lane, London. Until further notice orders will be accepted on the instalment plan, full particulars of which will be sent on application.

An Account of Medieval Figure-Sculpture in England. By Edward S. Prior, M.A., F.S.A., Slade Professor of Fine Art in the University of Cambridge, and Arthur Gardner, M.A., F.S.A.

Demy 4to. pp. xii + 734. With 855 photographs. Price £3. 3. *od.* net.

Extract from the Preface

We are very much in the position of pioneers in an untrodden country; the main big features attract our attention and our steps travel along the broadest roads to them.... Classification has been our point, and for the rest we must ask our readers to look at our illustrations: in them at any rate they can enjoy the charm that romance and sentiment have wrought in English medieval sculpture.

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- II. The Subjects of Medieval Sculpture.
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CHAP.

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- II. Anglo-Norman Sculpture.
- III. The Later Romanesque Figure-Sculpture.
- IV. The Architectural Carving of the First Gothic Period, 1200-1280.
- V. The Relief-Sculpture of the First Gothic Period, 1200-1280.
- VI. The First Gothic Statues, 1200-1280.
- VII. The Statues of the Fourteenth Century.
- VIII. The Lesser Figure-Work of the Fourteenth Century.
- IX. The Statue-Imagery of the Third Period, 1360-1530.
- X. The City-Trade Furniture of the Last Medieval Period, Fonts, and Tombs.
- XI. The City-Trade Furniture of the Last Medieval Period (*continued*).
- XII. The Architectural Sculpture of the Third Period, 1360-1520.

BOOK III

CHAP.

- I. Introduction and Tables.
- II. The Marble Effigies of the Thirteenth Century.
- III. The Stone Effigies up to 1300.
- IV. The Freestone Effigies, c. 1300-1360.
- V. The London Effigies in Bronze, Oak, Alabaster and Clunch.
- VI. The Recumbent Effigies of the Third, or Last Medieval Sculpture.
- VII. The Stone and Wooden Effigies of the Last Gothic Sculpture.

Evolution and the Need of Atonement. By Stewart A. McDowall, M.A., Trinity College, Cambridge, Assistant Master at Winchester College. With an Introductory Note by the Rt. Rev. Bishop Ryle, Dean of Westminster.

Crown 8vo. pp. xiv+155. Price 3s. net.

Extract from the Introductory Note

I cannot help thinking that this treatment of Evolutionary Science will be to many readers strikingly original and suggestive; while the theory, which he [the author] advances in connexion with his general scheme of thought, upon the Origin and Nature of Sin, and upon the subject of the Atonement, is, I am sure, entitled to the thoughtful consideration of the theologian, as well as of the scientist.

Light on the Gospel from an Ancient Poet. By Edwin A. Abbott, Honorary Fellow of St John's College, Cambridge.

Demy 8vo. pp. lxiv+602. Price 12s. 6d. net.

Extract from the Preliminary Statement

These Odes of Solomon...appear to me to constitute a series of...“Songs of Degrees, or Ascents,” in which the thought ascends...from that first and imperfect son of David, who failed to deserve his prophet-given name of Jedidiah, “the beloved,” to that second and perfect Son of David who was hailed from heaven as the Beloved indeed.

The Odes of Solomon. Edited, with introduction and notes, by J. H. Bernard, D.D., Hon. D.C.L. Durham, Hon. D.D. Aberdeen, Bishop of Ossory.

Text and Studies. Vol. VIII. No. 3. Demy 8vo. pp. viii+134.
Price 6s. net.

Extract from the Preface

My task has been to examine the *Odes* with the view of discovering the habits of religious life and thought which they presuppose. In order to explain their phraseology, I have quoted freely from the early theological writers of the Eastern Church; and I believe that the parallelisms in thought and language...make it certain that the *Odes* are built up on a substructure of baptismal ritual and doctrine.

Ecclesiasticus, or The Wisdom of the Son of Sirach.
In the Revised Version. With introduction and notes by
W. O. E. Oesterley, D.D., Jesus College, Cambridge.

The Cambridge Bible for Schools and Colleges Series. Extra fcap. 8vo.
pp. civ+368. Price 6s. net.

Extract from the Introduction

The mass of information which the book contains regarding Jewish religion, thought, and ethics, during a period for which we do not otherwise possess much information, marks it out as a work of high importance. The writer evidently intended to offer to his people a kind of text-book to which men and women might have recourse for guidance in almost every conceivable circumstance of life. He does this, however, with the primary object of setting in clear light the superior excellence of Judaism over Hellenism. In a sense, therefore, *Ecclesiasticus* may be regarded as an apologetic work, inasmuch as it aims at combating the rising influence of Greek thought and culture among the Jews.

Scripture Teaching in Secondary Schools. *Papers read at a Conference held in Cambridge 10—13 April, 1912. Edited by N. P. Wood, M.A., B.D., Assistant Master at Bishop's Stortford College, and Secretary to the Conference. With a Foreword by F. C. Burkitt, M.A., F.B.A., Norrisian Professor of Divinity in the University of Cambridge.*

Crown 8vo. pp. xiv+74. Price 1s. 6d. net.

Educational Times. It was a good thought for these masters to meet together in conference and to give to their colleagues the result of their deliberations....In his opening address Mr Watson emphasized the importance of making the Bible an interesting book, of dwelling upon its spiritual unity, and of teaching it with sincerity and earnestness. Professor Swete contributed a paper on the New Testament....Dr Foakes Jackson made an earnest plea for teaching the Old Testament, notwithstanding its difficulties. The papers of the Headmaster of Bradfield and of Professor Kennett are full of sound practical advice, while Bishop Kempthorne spoke of "The Schoolmaster's Opportunity." Other papers give suggestions for courses and syllabuses. Professor Burkitt contributes a valuable and interesting preface....Our advice to every secondary-school teacher is to get this little book and read it.

Greek Education: Its Practice and Principles.

By James Drever, M.A. (Edin.), B.Sc. (Lond.), Lecturer on the Principles and History of Education under the Edinburgh Provincial Committee for the Training of Teachers, and Assistant to the Professor of Education, University of Edinburgh.

Crown 8vo. pp. viii + 108. Price 2s. net.

Extract from the Preface

The main purpose of the author in publishing this little work is to indicate what seem to him the essential lines upon which any discussion of Greek education, that is to be of value to the student of Education, must proceed. At the same time he has tried to throw out the suggestion that the whole history of educational practice and educational thought may be treated from the same point of view, and as a whole by taking our departure from the education of Greece.

Livy, Book I. Edited by H. J. Edwards, C.B., M.A., Fellow and Tutor of Peterhouse: formerly Scholar of Trinity College.

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Athenaeum. A thorough and satisfactory piece of editing, worthy of an accomplished scholar. The Introduction is abreast of modern research, and occupies more than forty pages. The notes and indexes are carefully done, and there are two maps.

Silva Latina: A Latin Reading Book, chosen and arranged by J. D. Duff, M.A., Fellow of Trinity College, Cambridge.

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Extract from the Preface

In preparing this book I have had chiefly in view the requirements of those schools where Greek is not taught and where the Latin course does not generally last more than four years....The passages have been selected mainly from four of the chief masters of the language at its best periods—Cicero, Livy, Virgil, and Ovid....No passage has been included that is not, of its kind, excellent; no passage has been included that presents any difficulty in language or matter.

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Essais de Littérature Anglaise. Par S. J. Mary
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Completed in two volumes. Demy 8vo. Vol. I, pp. x+452.
Vol. II, pp. viii+380. Price 10s. 6d. net each.

Extract from the Preface

The aim of this edition is to present to English readers all the philosophical works of Descartes which were originally intended for publication....It is most important to mark the result of Descartes' speculations on contemporary thought; and the complete translation now presented of the "Objections" directed against the "Meditations," published together with Descartes' replies thereto, in the second volume, will enable the English reader to realize the novelty of the Cartesian doctrine, and the enormous effect it had upon European thought at the time. He will further be able to judge better of the success of Descartes' attempts to extricate himself from the difficulties which his philosophy undoubtedly contains.

The works translated here are the "Rules," the "Method," the "Meditations," with the "Objections and Replies," part of the "Principles," the "Search after Truth," the "Passions," and the "Notes." Unfortunately it has been found impossible to include Descartes' philosophical correspondence and his more specially physiological treatises, but perhaps in the not too distant future the work of the present translators will be supplemented in this direction.

Glasgow Herald. The influence of Descartes on European thought can hardly be exaggerated....Till now no complete edition of his works has been accessible to English readers. The authors of the present edition are therefore to be congratulated upon giving us a work which is likely to remain for some time the standard translations of his writings....The translation is accurate and skilfully done, and lacks the stiffness and archaic diction familiar in other versions.

Aberdeen Free Press. As to the translation itself, it is a model of what a rendering from one language into another ought to be. It is not a mere translation of one language into another, it is a rendering of the thought and meaning of the author into the language which reads as if it were the work of the author himself. Descartes is made to speak our English tongue as if he had written his argument in it. Not only is it a true rendering of the meaning of the author, it is rendered into perfect English, in which there is allowed to remain no trace of a foreign idiom.

Burke: Reflections on the French Revolution.
*Edited by W. Alison Phillips, M.A., Merton College,
Oxford, Senior Scholar of St John's College, Oxford, and
Catherine Beatrice Phillips.*

The Pitt Press Series. Extra fcap. 8vo. pp. lvii+312. Price 4s.

Extract from the Preface

The text of the present edition of Burke's *Reflections* is based on a comparison of Rivington's editions of 1803 and 1827, the present editors adding an introduction and notes....It seemed better in the main to confine the notes to an explanation of events, ideas, and persons alluded to by Burke, who assumes an encyclopaedic knowledge in his readers which, it is to be feared, but few possess.

John Stuart, Earl of Bute. *By J. A. Lovat-Fraser,
M.A., of Trinity College, Cambridge, and the Inner
Temple, Barrister-at-Law.*

Crown 8vo. pp. x+108. With a frontispiece. Price 2s. 6d. net.

Author's Note

A life of the first Scotsman who was Prime Minister of the United Kingdom. He was perhaps the most unpopular premier ever in power, and his tenure of office was marked by a great outburst of hostility against the Scots, which is fully described in the book. As the "Jack Boot" of the London mob and the *bête noire* of Wilkes and Junius he acquired an unenviable but quite undeserved notoriety.

***A History of the Australasian Colonies (From their
Foundation to the Year 1911).*** *By Edward Jenks, M.A.,
formerly Fellow of King's College, Cambridge.*

The Cambridge Historical Series. Third edition, revised. Crown 8vo.
pp. xx+376. With 2 maps. Price 4s. 6d. net.

Extract from the Preface to the Third Edition

In preparing a new edition for the Press, the author has been mainly concerned to give some account of the successful realization of the movement towards federation in Australia, the earlier history of which was sketched in the former editions....But he has also attempted to give a brief account of some of the more important of the many interesting experiments in politics and social organization which have been made by Australasian statesmen in recent years.

The Constitution and Finance of English, Scottish and Irish Joint-Stock Companies to 1720. By William Robert Scott, M.A., D.Phil., Litt.D., Lecturer in Political Economy in the University of St Andrews. Complete in three volumes. Vol. I, *The General Development of the Joint-Stock System to 1720.* Vol. II, *Companies for Foreign Trade, Colonization, Fishing and Mining.* Vol. III, *Water Supply, Postal, Street-Lighting, Manufacturing, Banking, Finance, and Insurance Companies; also Statements relating to the Crown Finances.*

Royal 8vo. Vol. I, pp. lvi+488. With a plate. Price 17s. net.
Vol. II, pp. x+504. With a map. Price 15s. net.
Vol. III, pp. xvi+564. With facsimile and chart. Price 18s. net.

Extract from the Preface

In the study of economic progress, more especially in relation to capital, the development of the joint-stock system occupies an important place. This method of organization became prominent at an early period in England, and the investigation of it has all the fascination arising out of the small beginnings of a type of association which eventually attained great magnitude...At the present time joint-stock management has been standardized. In the sixteenth and seventeenth centuries methods were still to be discovered, and the conflict between different practices is suggestive and instructive. Not only were the methods new, but the system itself was applied to enterprises which were then novel. Thus early companies were concerned in voyages of discovery, privateering, foreign trade, the exploiting of new inventions and the financing of the government....After much consideration, I decided to place the comparative portion in the first volume, assigning to the second and the third the accounts of the individual companies. Accordingly, the first part of the work consists of an attempt to record the beginning and the development of the joint-stock system during the first important stage of its history, namely till the year 1720.

Economist. The author has done so much to elucidate a most interesting, but most neglected period of our economic history...He deserves all praise for the careful and penetrating research which has given us the history of early joint-stock enterprise in a concise and accessible form. The work is full of scholarly research.

Electromagnetic Radiation, and the Mechanical Reactions arising from it. Being an Adams Prize Essay in the University of Cambridge. By G. A. Schott, B.A., D.Sc., Professor of Applied Mechanics in the University College of Wales, Aberystwyth; formerly Scholar of Trinity College, Cambridge.

Large Royal 8vo. pp. xxii + 330. Price 18s. net.

Extract from the Preface

In consequence of the discoveries of the last few years in the fields of radioactivity, vacuum-tube phenomena, magnetism and radiation, a great need has arisen for a comprehensive Electron Theory of Matter, which shall systematize the results already achieved as well as serve as a guide in future researches....It is desirable, before attempting to frame any comprehensive Electron Theory of Matter, to develop the theory of moving electric charges with as few restrictions respecting their structure and motion as possible. When expressions for the electromagnetic field due to them have been obtained, the radiation from them and the mechanical reaction on them can be calculated; the former depends on the field at a great distance, the latter on that inside them. The object of this essay is to carry out these preliminary investigations, to provide, as it were, prolegomena to any future Electron Theory of Matter.

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Fundamental Equations of the Electron Theory—Transformation of the Potentials—Other Types of Solution—Physical Interpretation of the Solutions Obtained—Illustrative Examples—Remarks on the Solutions Obtained and on the Methods of Calculating the Potentials in General—Periodic Motions—On the Distant Field Due to a Moving Charge—Pseudo-Periodic and Aperiodic Motions—On the Field near the Orbit of a Moving Charge or Group—The Mechanical Forces acting on Electric Charges in Motion—The Motion of Groups in Electric Charges.

Appendices :—On the Doppler Effect—On the Disturbed Motion of a Ring of Electrons—On the Field Close to a Point Charge in Motion—The Mechanical Force Exerted by an Electron on Itself—The Mechanical Explanation of the Electron—The Mechanics of the Lorentz Electron—Problems Illustrative of the Motion of the Lorentz Electron.

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Statics: including Hydrostatics and the Elements of the Theory of Elasticity. By Horace Lamb, Sc.D., LL.D., F.R.S., formerly Fellow of Trinity College, Cambridge; Professor of Mathematics in the Victoria University of Manchester.

Demy 8vo. pp. xii+342. Price 10s. 6d. net.

Extract from the Preface

This book contains, with some modifications, the substance of lectures which have been given here [the University of Manchester] for some years. It is intended for students who have already some knowledge of elementary Mechanics, and who have arrived at the stage at which they may usefully begin to apply the methods of the Calculus. It deals mainly with two-dimensional problems, but occasionally, where the extension to three dimensions is easy, theorems are stated and proved in their more general form.

The present volume differs from many academical manuals in the prominence given to geometrical methods and in particular to those of Graphical Statics. These methods, especially in relation to the theory of frames, have imported a new interest into a subject which was in danger of becoming fossilized. I have not attempted, however, to enter into details which are best learned from technical treatises, or in engineering practice....

The examples for practice have been selected (or devised) with some care, and it is hoped that most of them will serve as genuine illustrations of statical principles rather than as exercises in Algebra or Trigonometry.

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Theory of Vectors—Statics of a Particle—Plane Kinematics of a Rigid Body—Plane Statics—Graphical Statics—Theory of Frames—Work and Energy—Analytical Statics—Theory of Mass-Systems—Flexible Chains—Laws of Fluid Pressure—Equilibrium of Floating Bodies—General Conditions of Equilibrium of a Fluid—Equilibrium of Gaseous Fluids—Capillarity—Strains and Stresses—Extension of Bars—Flexure and Torsion of Bars—Stresses in Cylindrical and Spherical Shells.

The Collected Mathematical Papers of James Joseph Sylvester, F.R.S., D.C.L., LL.D., Sc.D., sometime Hon. Fellow of St John's College, Cambridge; Professor at University College, London; at the University of Virginia; at the Royal Military Academy, Woolwich; at the Johns Hopkins University, Baltimore, and Savilian Professor in the University of Oxford. Volume IV (1882-1894). Edited by H. F. Baker, Sc.D., F.R.S., Fellow of St John's College, Cambridge.

Royal 8vo. pp. xxviii+756. With a photogravure portrait and medallion. Price 18s. net

Extract from the Prefatory Note

The present volume contains Sylvester's Constructive Theory of Partitions, papers on Binary Matrices, and the Lectures on the Theory of Reciprocants. There is added an Index to the four volumes, and a Biographical Notice of Sylvester. The Mathematical Questions in the *Educational Times* are as yet unedited, but an Index to them is appended.

Scientific Papers. By John William Strutt, Baron Rayleigh, O.M., Sc.D., F.R.S., Chancellor of the University of Cambridge, Professor of Natural Philosophy in the Royal Institution. Vol. V, 1902-1910.

Royal 8vo. pp. xiv+624. Price 15s. net.

With the publication of Volume V, which completes the work, the *Scientific Papers* of Lord Rayleigh down to the year 1910 are made available in a convenient form.

Extract from the Prefatory Note to Volume I

The papers of the present Collection are reprinted very nearly as they originally appeared, and with a few partial exceptions in order of date. Obvious misprints have been corrected, in several cases with the aid of the original manuscript. Other alterations of the slightest significance are indicated by the use of square brackets [], while additional matter is introduced with the proper date in the form of footnotes or at the end of a memoir. In a few cases, where it has not been thought worth while to reproduce a paper in full, a brief statement of the principal results is given.

Some short papers of a rather slender character have been included. These may serve to mitigate the general severity.

Collected Papers in Physics and Engineering. By James Thomson, D.Sc., LL.D., F.R.S., Professor of Engineering in Queen's College, Belfast, and afterwards in the University of Glasgow. Selected and arranged with unpublished material and brief annotations by Sir Joseph Larmor, D.Sc., LL.D., Sec. R.S., M.P., and James Thomson, M.A. With an obituary notice by Dr J. T. Bottomley, F.R.S., and a biographical sketch.

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Extract from the Preface

It is well known that the scientific activity of James Thomson has left permanent marks on the history of several branches of physical science....The main characteristic of James Thomson's mind was the marked originality of his way of looking at scientific problems, arising in part perhaps from a combination...of the abstract physical with the practical engineering interest, but also fostered by the independent and unconventional character of his scientific education. This quality was united with singular persistence in brooding over a train of thought, and following it out into all relevant details and ramifications.

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Extract from the Preface

The present volume is a continuation of my *Algebra for Secondary Schools*, published four years ago. It includes, I hope, all the subjects from the binomial theorem onwards which are usually read in the ordinary course of a university college and in the upper classes of secondary schools.

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Extract from the Preface

In *Algebra for Beginners* the authors have followed the lines laid down in the Report of the Mathematical Association Committee on the teaching of Elementary Algebra and Numerical Trigonometry (1911); they are also indebted for valuable ideas to the Board of Education Circular on the teaching of Geometry and Graphic Algebra (Circular 711, March 1909). The book will also be found to fit in with the Algebra Syllabus suggested by the Head Masters' Conference.

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Extract from the Preface

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Extract from the Preface

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In most text-books the subject is treated as a formal branch of mathematics with a mass of definition, discussion and deductive proof, but for the purpose indicated above most of this matter is either superfluous or can easily be obtained by the pupil himself in working examples under supervision. In the experience of the writer such matter generally remains unread by the pupil, and it has therefore been omitted from this book as far as possible.

Analytical Geometry: A First Course. By C. O. Tuckey and W. A. Naylor, late Scholars of Trinity College, Cambridge, Assistant Masters at Charterhouse.

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Extract from the Preface

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The author claims to have been one of the first to put to a complete test in the laboratory the suggestions of that "inspiring tract"—the Report presented at the Newcastle-upon-Tyne meeting of the British Association by the Committee formed to investigate the methods of teaching chemistry. He wishes to record his indebtedness to that Committee, whose efforts set teachers of subjects other than Science thinking and experimenting. The path of adventure and discovery was opened to many a boy and girl who would otherwise have trodden the damp and muddy ways of test-tube analysis.

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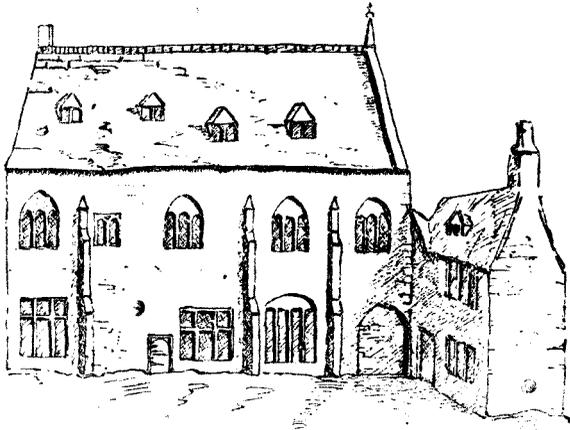
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