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Arthur Cayley

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Arthur Cayley (1821-1895) was a key figure in the creation of modern algebra. He studied mathematics at Cambridge and published three papers while still an undergraduate. He then qualified as a lawyer and published about 250 mathematical papers during his fourteen years at the Bar. In 1863 he took a significant salary cut to become the first Sadleirian Professor of Pure Mathematics at Cambridge, where he continued to publish at a phenomenal rate on nearly every aspect of the subject, his most important work being in matrices, geometry and abstract groups. In 1882 he spent five months at Johns Hopkins University, and in 1883 became president of the British Association for the Advancement of Science. Publication of his Collected Papers - 967 papers in 13 volumes plus an index volume - began in 1889 and was completed after his death under the editorship of his successor in the Sadleirian Chair. This volume contains a complete listing of all the papers, and a thorough index of persons and topics from Abel to Zornow.

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VOLUME 14

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[More information](#)

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THE COLLECTED
MATHEMATICAL PAPERS

OF

ARTHUR CAYLEY, Sc.D., F.R.S.,

LATE SADLERIAN PROFESSOR OF PURE MATHEMATICS IN THE UNIVERSITY OF CAMBRIDGE.

SUPPLEMENTARY VOLUME,
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PREFATORY NOTE.

THE present volume is supplementary to the series of thirteen volumes which contain the collected mathematical papers of the late Professor Cayley.

The first part is a list of the titles of the papers, extracted from the tables of contents of the respective volumes and arranged in the order in which the papers occur.

The second part is an index of subjects and authors. It has been made by my friend, Mr. F. Howard Collins, who most kindly volunteered to do this laborious work; my expectation is that the index will be a useful guide to the papers.

It is now ten years since the printing of the series of volumes began. For about the first seven of the years, Professor Cayley himself acted as Editor; since his death, the duty has fallen to me. My steady wish has been that unnecessary delay in the publication of the volumes should be avoided; that the wish has been realised, is largely due to the staff of the University Press. Everything that could be done in the way of simplifying my task and assisting its progress has been done with zealous good-will and cordial cooperation. To each and to all of them my thanks are given for the help which has enabled me to fulfil the duty I undertook at the request of the Syndics.

A. R. FORSYTH.

31 *January*, 1898.