

PROCEEDINGS
OF
THE EDINBURGH MATHEMATICAL SOCIETY

SERIES 2—VOL. 9—PART I

EDITED BY
J. COSSAR AND D. N. LAWLEY

CONTENTS

	PAGE
AN INTERPOLATION SERIES FOR INTEGRAL FUNCTIONS: SHEILA SCOTT MACINTYRE	1
A NOTE ON THE CAPELLI OPERATORS ASSOCIATED WITH A SYMMETRIC MATRIX: ANDREW H. WALLACE	7
A NOTE ON THE TRANSFORMABILITY OF SPHERICALLY SYMMETRIC METRICS: PAUL KUSTAAHEIMO... ..	13
A GENERALISATION OF JACOBI'S FUNDAMENTAL FORMULAE: J. M. RUSHFORTH	17
A TYPE OF ALTERNANT: F. W. PONTING	20
AN ANALOGUE FOR STRONG SUMMABILITY OF ABEL'S SUMMABILITY METHOD: C. F. HARRINGTON AND J. M. HYSLOP	28
GENERALISED YOUNG TABLEAUX: ANDREW H. WALLACE	35
A DETERMINANTAL EXPANSION FOR A CLASS OF DEFINITE INTEGRAL, PART I: L. R. SHENTON	44

Issued October, 1953

LONDON:
PRINTED BY C. F. HODGSON & SON, LTD., 23 PAKENHAM STREET, W.C.1
AND PUBLISHED FOR THE SOCIETY BY
G. BELL & SONS, LTD., PORTUGAL STREET, LONDON, W.C.2.

THE EDINBURGH MATHEMATICAL SOCIETY is instituted for the promotion and extension of Mathematical Science—Pure and Applied.

It consists of Ordinary and Honorary Members.

Candidates for admission as Ordinary Members are nominated at one ordinary meeting of the Society, and balloted for at the next, a majority of at least two-thirds of the members present being necessary for election.

The Annual Subscription for ordinary membership is ten shillings. Any Ordinary Member may compound for his Annual Subscription by the payment of six guineas in one sum, subject to a reduction of one guinea after ten years' membership and a reduction of one guinea for each subsequent five years' membership of the Society.

The Committee of the Society may nominate as Honorary Members persons eminently distinguished in the Mathematical Sciences. The mode of election is, otherwise, the same as for Ordinary Members.

Each Member whose Subscription is not in arrears receives the *Proceedings* and the *Edinburgh Mathematical Notes* as published. Authors of papers who are Members of the Society are entitled to receive 25 reprints of their papers free of charge.

Members can obtain back numbers of the publications—as far as these are in print—at reduced prices on application to the Hon. Secretary. Other intending purchasers of the *Proceedings* should apply to the Publishers, G. BELL & SONS, LTD., Portugal Street, London, W.C.2. All intending purchasers of the *Edinburgh Mathematical Notes* should apply to the Hon. Secretary. Certain volumes of the *Proceedings* are out of print or very scarce, and the Hon. Secretary will therefore be glad to hear from members willing to give or sell their collections to the Society. Such gifts will be earmarked if desired for transmission to war-damaged libraries needing them.

Presents to the Library of the Edinburgh Mathematical Society should be addressed to the

HON. LIBRARIAN,
EDINBURGH MATHEMATICAL SOCIETY,
16 CHAMBERS STREET, EDINBURGH, 1.

All papers for publication and other communications should be sent to the

HON. SECRETARY,
EDINBURGH MATHEMATICAL SOCIETY,
16 CHAMBERS STREET, EDINBURGH, 1.