

COLLECTED PAPERS ON THE  
BIOLOGY OF THE SKIN AND HAIR GROWTH  
AND OTHER CONTRIBUTIONS

A thesis presented for the  
Degree of Doctor of Science  
in the University of Tasmania

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## PREFACE

This collection of papers is the results, obtained since 1951, of research concerned mainly with the biology of the skin and hair growth. The other contributions deal mainly with the body growth and development of marsupials. None of the work has been submitted elsewhere for the degree of Doctor of Science.

A large proportion of the research has been on sheep and marsupials. Particular attention is drawn to the usefulness of marsupials as experimental material in studies on the integument and body growth. The early birth in marsupials is a most desirable feature for many developmental studies, as development in a pouch, unlike development in the uterus, lends itself to both observation and experiment.

Papers 1-10, 12, 14 and 46 were incorporated in a thesis for the degree of Ph.D. in the University of Tasmania (1958).

I am responsible for one third of the work reported in three papers (21, 24, 49), half of the work reported in ten papers (4, 6, 8, 15, 18, 19, 31, 36, 38, 44), and at least half of the work reported in the other publications with two or more authors. Publications 11, 29, 47, 51, 53, 54 and 56 are essentially popular or review contributions. All other works report original research.

Appropriate acknowledgments are made in the various papers.



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## CONTENTS

### Part I. Biology of the Skin and Hair Growth

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#### Part II. Other Contributions

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