

# Cytotaxonomy and Vertebrate Evolution

edited by A. B. Chiarelli and E. Capanna

July 1973, xviii + 760 pp., £14.50

This book is the first to cover the important field of vertebrate karyology since Matthey's classic study of twenty years ago. Much cytotaxonomic data is provided in this book as well as up-to-date information by recognised authorities on the genetic material of vertebrates.

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### Introduction

*M. Benazzi*: Cytotaxonomy and evolution: general remarks.

### The physical basis of heredity

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*N. N. Vorontsov*: The evolution of the sex chromosomes. *S. Ohno*: Evolution and the mode of action of the genetic regulatory mechanisms which determine sex. *E. Capanna*: Concluding remarks.

### Indices

Society for Applied Bacteriology

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# Actinomycetales:

Characteristics and Practical Importance

edited by G. Sykes and F. A Skinner

March 1973, xvi + 340 pp., £5.50

This volume offers a comprehensive examination of a group of micro-organisms which have many unusual and interesting features. Chapters are contributed by leading specialists from a wide variety of disciplines. Valuable articles on the taxonomy and genetics of the group, on the production and germination of spores and the role played by actinomycetes in disease in plants and man make this volume of great general interest.

## Contents

*D. Gottlieb*: General consideration and implications of the

Actinomycetales. *T. Cross and R. Goodfellow*: Taxonomy and classification of the actinomycetes. *S. T. Williams, G. P. Sharples and R. M. Bradshaw*: The fine structure of the Actinomycetales. *D. A. Hopwood*: Genetics of the Actinomycetales. *L. V. Kalakoutsii and L. M. Pouzharitskaja*: The streptomyces spore: its distinct features and germinal behaviour. *L. V. Kalakoutsii and Nina S. Agre*: Endospores of actinomycetes: dormancy and germination. *W. B. Turner*: Secondary metabolism with special reference to Actinomycetales. *N. P. Burman*: The occurrence and significance

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**Regnier de Graaf**  
**on the**  
**Human Reproductive Organs**

An Annotated Translation of  
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and

**DE MULIERUM ORGANIS GENERATIONI  
INSERVIENTIBUS TRACTATUS NOVUS (1672)**

by

**H. D. JOCELYN and B. P. SETCHELL**

To commemorate the tercentenary, the *Journal of Reproduction and Fertility* is publishing translations of these two works as a special Supplement. Although he died at the age of 32, de Graaf laid the foundations of modern reproductive biology and these two books, his only major publications in this field, contain descriptions of all his many original findings.

The translations have been specially prepared by Professor H. D. Jocelyn, Department of Latin, University of Sydney, N.S.W., and Dr B. P. Setchell, Institute of Animal Physiology, Babraham, Cambridge, and are annotated both to explain the allusions to ancient theories and writings, and to relate de Graaf's opinions to those of modern biologists.

The Supplement also contains facsimiles, on art paper, of all the thirty-five original plates, reproductions of two of the original title pages and, as a frontispiece, the portrait of de Graaf, which appeared in the original editions.

*Regnier de Graaf on the Human Reproductive Organs* is being published as Supplement 17 of the *Journal of Reproduction and Fertility*. Copies may be obtained from the publishers, Blackwell Scientific Publications Ltd, Osney Mead, Oxford OX2 0EL

*December 1972. 236 pages, 30 plates. Cloth £6.00 (\$17.50), paper £5.00 (\$15.00)*

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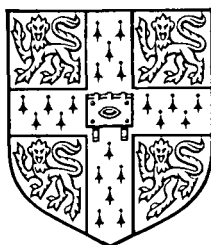
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