

THE
BRITISH ENCYCLOPAEDIA
OF
MEDICAL PRACTICE
—
VOLUME II

SIR HUMPHRY ROLLESTON

WITH ASSISTANCE OF

PROF. F. R. FRASER

PROF. GREY TURNER

PROF. J. YOUNG

SIR LEONARD ROGERS

F. M. R. WALSHE

THE
BRITISH ENCYCLOPAEDIA
OF MEDICAL PRACTICE
INCLUDING
MEDICINE SURGERY
OBSTETRICS GYNAECOLOGY
AND OTHER SPECIAL SUBJECTS

Under the General Editorship of

SIR HUMPHRY ROLLESTON, BT.
G.C.V.O., K.C.B., M.D., D.Sc., D.C.L., LL.D.

EMERITUS REGIUS PROFESSOR OF PHYSIC, CAMBRIDGE
SOMETIME PRESIDENT OF THE ROYAL COLLEGE OF PHYSICIANS OF LONDON

With the assistance in a consultative capacity of

F. R. FRASER, M.D., F.R.C.P., Professor of Medicine, University of London; Director of Department of Medicine, British Postgraduate Medical School

G. GREY TURNER, D.Ch., M.S., F.R.C.S., F.R.A.C.S., F.A.C.S., Professor of Surgery, University of London; Director of Department of Surgery, British Postgraduate Medical School

JAMES YOUNG, D.S.O., M.D., F.R.C.S.ED., F.C.O.G., Professor of Obstetrics and Gynaecology, University of London; Director of Department of Obstetrics and Gynaecology, British Postgraduate Medical School

SIR LEONARD ROGERS, K.C.S.I., M.D., LL.D., F.R.C.P., F.R.C.S., F.R.S., Late Physician, Hospital for Tropical Diseases, London

F. M. R. WALSH, O.B.E., M.D., D.Sc., F.R.C.P., Fellow of University College; Physician in Charge of the Neurological Department, University College Hospital; Physician, National Hospital, Queen Square, London

VOLUME ELEVEN

SCARLET FEVER, TO TESTIS UNDESCENDED

LONDON

BUTTERWORTH & CO. (PUBLISHERS), LTD.
BELL YARD, TEMPLE BAR

Associate Editors for Special Subjects

LIONEL COLLEDGE, M.B., F.R.C.S.

SURGEON, EAR AND THROAT DEPARTMENT, ST. GEORGE'S HOSPITAL;
SURGEON, GOLDEN SQUARE THROAT, NOSE AND EAR HOSPITAL, LONDON

E. C. DODDS, M.V.O., D.Sc., M.D., F.R.C.P.

COURTAULD PROFESSOR OF BIOCHEMISTRY, UNIVERSITY OF LONDON;
DIRECTOR, COURTAULD INSTITUTE OF BIOCHEMISTRY, MIDDLESEX HOSPITAL, LONDON

R. D. GILLESPIE, M.D., F.R.C.P., D.P.M.

PHYSICIAN IN CHARGE, DEPARTMENT OF PSYCHOLOGICAL MEDICINE, GUY'S HOSPITAL;
LECTURER IN PSYCHOLOGICAL MEDICINE, GUY'S HOSPITAL MEDICAL SCHOOL, LONDON

R. FOSTER MOORE, O.B.E., B.Ch., F.R.C.S.

OPHTHALMIC SURGEON, ST. BARTHOLOMEW'S HOSPITAL, LONDON;
SURGEON, ROYAL LONDON OPHTHALMIC HOSPITAL

ARTHUR WHITFIELD, M.D., F.R.C.P.

CONSULTING PHYSICIAN, SKIN DEPARTMENT, KING'S COLLEGE HOSPITAL;
EMERITUS PROFESSOR OF DERMATOLOGY, KING'S COLLEGE, LONDON

Publishing Editor

ADAM CLARK, L.M.S.S.A.

Sub-Editor

G. FAULKNER, D.Sc.

First Edition, 1939
Second Impression, 1943

**THE
BRITISH ENCYCLOPAEDIA
OF MEDICAL PRACTICE**

AFRICA: BUTTERWORTH & Co. (AFRICA) LTD.
DURBAN: LINCOLN'S COURT, MASONIC GROVE

AUSTRALIA: BUTTERWORTH & Co. (AUSTRALIA) LTD.
SYDNEY: 8 O'CONNELL STREET
MELBOURNE: 499 LITTLE COLLINS STREET

CANADA: BUTTERWORTH & Co. (CANADA) LTD.
TORONTO: 137/143 WELLINGTON STREET WEST

INDIA: BUTTERWORTH & Co. (INDIA) LTD.
CALCUTTA: AVENUE HOUSE, CHOWRINGHEE SQUARE
MADRAS: 317 LINGA CHETTY STREET
BOMBAY: BRUCE STREET

NEW ZEALAND: BUTTERWORTH & Co. (AUSTRALIA) LTD.
WELLINGTON: 49/51 BALLANCE STREET

CONTRIBUTORS

TO THIS VOLUME

SCARLET FEVER
(pp. 1-20)

WILLIAM GUNN, M.B., Ch.B.,
M.R.C.P. Medical Superintendent,
North-Western Hospital, London
County Council

SCHILDERS' DISEASE
(pp. 21-24)

E. ARNOLD CARMICHAEL, M.B.,
F.R.C.P. Physician to Out-
patients and Director of Research
Unit, National Hospital for
Nervous Diseases, Queen Square,
London

SCIATICA
(pp. 26-36)

C. W. BUCKLEY, M.D., F.R.C.P.
Physician, Devonshire Royal
Hospital for Rheumatic Diseases,
Buxton

SCLERODERMIA
(pp. 37-42)

SYDNEY THOMSON, M.D., F.R.C.P.
Physician for Diseases of the
Skin, King's College Hospital,
London

SCURVY
(pp. 44-54)

GEORGE GRAHAM, M.D., F.R.C.P.
Physician, St. Bartholomew's
Hospital

and

CHARLES F. HARRIS, M.D.,
F.R.C.P. Physician to the
Children's Department, St.
Bartholomew's Hospital, and to
the Infants Hospital, Vincent
Square, London

SEBORRHOEA AND SEBOR-
RHOEIC DERMATITIS

(pp. 55-68)

J. M. H. MACLEOD, M.D.,
F.R.C.P. Consulting Physician for
Skin Diseases, Charing Cross
Hospital and London Hospital
for Tropical Diseases; Physician
and Director of Pathology, St.
John's Hospital for Skin
Diseases, London

SENESCENCE AND
SENILITY

(pp. 69-75)

SIR HUMPHRY ROLLESTON, Bt.,
G.C.V.O., K.C.B., M.D.

SEPTICAEMIA AND
BACTERIAEMIA

(pp. 76-89)

JOHN A. RYLE, M.D., F.R.C.P.
Regius Professor of Physic,
University of Cambridge; Con-
sulting Physician, Guy's Hospital,
London

and

S. D. ELLIOTT, M.B., D.P.H.
University Demonstrator in
Pathology, University of
Cambridge

SEX HORMONES

(pp. 90-109)

Section 1

E. C. DODDS, M.V.O., D.Sc.,
M.D., F.R.C.P. Courtauld
Professor of Biochemistry,
University of London; Director,
Courtauld Institute of Bio-
chemistry, Middlesex Hospital,
London

Section 2

P. M. F. BISHOP, B.M., B.Ch.
Clinical Endocrinologist, Guy's
Hospital; Lecturer in Chemical
Physiology, Guy's Hospital
Medical School, London

Section 3

GEORGE L. FOSS, M.B., B.Ch.
Clinical Assistant in the
Gynaecological Out-patient
Department, Bristol Royal
Infirmary

SEXUAL BEHAVIOUR AND
ABNORMALITIES
(pp. 110-125)

JOHN RICKMAN, M.D. Physician
to the London Clinic of Psycho-
analysis and to the Institute for
the Scientific Treatment of
Delinquency

SHOCK AND COLLAPSE
(pp. 126-131)

The Late H. H. WOOLLARD, M.D.,
D.Sc., F.R.S. Professor of
Anatomy, University College,
London

SILICOSIS
(pp. 133-144)

W. E. COOKE, M.D., F.R.C.P.
D.P.H. Director, Pathological
Department, Wigan Infirmary

SIMMONDS'S SYNDROME
(pp. 145-147)

SIR HUMPHRY ROLLESTON, Bt.,
G.C.V.O., K.C.B., M.D.

SKIN DISEASES
AFFECTIONS DUE TO
INSECTS AND ACARINES
(pp. 149-160)

ARTHUR WHITFIELD, M.D.,
F.R.C.P. Consulting Physician,
Skin Department, King's College
Hospital; Emeritus Professor of
Dermatology, King's College,
London

OCCUPATIONAL DISEASES
(pp. 161-182)

S. A. HENRY, M.D., M.R.C.P.,
D.P.H., D.T.M.

and

SIBYL C. HORNER, M.B., B.S.,
D.P.H. H. M. Medical Inspectors
of Factories

LOCALLY INOCULATED
INFECTIONS
(pp. 183-192)

L. FORMAN, M.D., M.R.C.P.
Assistant Physician, Skin
Department, Guy's Hospital
and

E. H. KOERNER, M.D.
Assistant Bacteriologist, Guy's
Hospital, London

TUBERCULOSIS
(pp. 193-199)

ARTHUR BURROWS, M.D.,
M.R.C.P., D.M.R.E. Assistant
Physician, Skin and Phototherapy
Department, London Hospital

SKIN DISEASES—*continued*

TUMOURS

(pp. 200–268)

SYDNEY THOMSON, M.D., F.R.C.P.,
F.R.S.E. Physician for Diseases
of the Skin, King's College
Hospital, London

SMALLPOX

(pp. 269–292)

Sections 1, 2, and 4 to 7
J. D. ROLLESTON, D.M., F.R.C.P.
Late Medical Superintendent,
Western Hospital, London
County Council

Section 3

D. MCCLEAN, M.B., B.S.
Bacteriologist in charge of Vaccine
Lymph Department, Lister
Institute, Elstree

SPEECH DEFECTS

(pp. 294–301)

W. RUSSELL BRAIN, D.M.,
F.R.C.P. Physician with charge
of Out-patients, London Hospital;
Physician, Maida Vale Hospital
for Nervous Diseases; Neuro-
logist, Infants Hospital, Vincent
Square, London

SPINAL CORD DISEASES

(pp. 302–360)

Section 1

F. M. R. WALSH, O.B.E., M.D.,
D.Sc., F.R.C.P. Physician in
charge of the Neurological
Department, University College
Hospital; Physician, National
Hospital for Nervous Diseases,
Queen Square, London

Sections 2, 3, 4, and 9

HARVEY JACKSON, F.R.C.S.
Assistant Surgeon, National
Hospital for Nervous Diseases,
Queen Square; Consulting
Neurological Surgeon, Queen
Mary's Hospital, London

Sections 5, 6, 7, and 8

J. ST. C. ELKINGTON, M.D.,
F.R.C.P. Physician to St.
Thomas's Hospital; Assistant
Physician, National Hospital for
Nervous Diseases, Queen Square,
London

**SPINE, DISEASES AND
DEFORMITIES**

(pp. 361-400)

Section 1

SIR JOHN FRASER, K.C.V.O.,
M.C., M.D., Ch.M., F.R.C.S.Ed.,
F.R.S.Ed., F.A.C.S., F.R.A.C.S.
Surgeon to His Majesty's
Medical Household in Scotland;
Regius Professor of Clinical
Surgery, University of Edinburgh;
Consulting Surgeon, Royal
Hospital for Sick Children,
Edinburgh

Sections 2 to 12

J. J. MASON BROWN, M.B., Ch.B.,
F.R.C.S.Ed. Assistant Surgeon,
Royal Hospital for Sick Children,
Edinburgh

SPLEEN DISEASES

(pp. 401-417)

J. W. McNEE, D.S.O., M.D.,
D.Sc., F.R.C.P. Regius Professor
of the Practice of Medicine,
University of Glasgow; Physician
to H.M. the King in Scotland;
Physician to the Western
Infirmary, Glasgow; Consulting
Physician to University College
Hospital, London

and

JOHN McMICHAEL, M.D.,
M.R.C.P.Ed. Reader in Medicine,
British Postgraduate Medical
School, London; late Johnston
and Lawrence Research Fellow of
the Royal Society, and Beit
Memorial Fellow

SPRUE, TROPICAL

(pp. 419-436)

N. HAMILTON FAIRLEY, O.B.E.,
M.D., D.Sc., F.R.C.P. Physician
and Director of Special Research,
Hospital for Tropical Diseases,
London

STATISTICS, MEDICAL

(pp. 438-446)

MAJOR GREENWOOD, D.Sc.,
F.R.C.P., F.R.S. Professor of
Epidemiology and Vital Statistics,
University of London

STERILITY

(pp. 447-466)

Sections 1 and 2

EARDLEY HOLLAND, M.D.,
F.R.C.P., F.R.C.S., F.R.C.O.G.
Obstetric and Gynaecological
Surgeon, London Hospital

Section 3

KENNETH WALKER, O.B.E., M.B.,
F.R.C.S. Surgeon to the Genito-
Urinary Department, Royal
Northern Hospital, and to St.
Paul's Hospital, London

STERILIZATION

(pp. 467-475)

Section 1,

A. F. TREGOLD, M.D., F.R.C.P.,
F.R.S.E. Consulting Physician,
University College Hospital,
London

Section 2

JOHN BEATTIE, M.D., F.R.C.S.,
M.C.O.G. Assistant Physician-
Accoucheur, St. Bartholomew's
Hospital, London

Section 3

KENNETH WALKER, O.B.E., M.B.,
F.R.C.S. Surgeon to the Genito-
Urinary Department, Royal
Northern Hospital, and to St.
Paul's Hospital, London

**STOMACH, TUMOURS AND
SOME OTHER CONDITIONS**

(pp. 476-491)

E. E. CLEAVER, M.B., F.R.C.P.(C.)
Department of Medicine,
University of Toronto; Assistant
Attending Physician, Toronto
General Hospital

STRABISMUS

(pp. 492-501)

F. A. WILLIAMSON-NOBLE, M.B.,
B.Chir., F.R.C.S. Assistant
Ophthalmic Surgeon to St. Mary's
Hospital and to the National
Hospital for Nervous Diseases,
Queen Square, London

SYMPATHETIC AND
PARASYMPATHETIC
NERVOUS SYSTEM
(pp. 503-525)

J. R. LEARMONTH, Ch.M.,
F.R.C.S.Ed. Surgeon in His
Majesty's Medical Household in
Scotland; Regius Professor of
Surgery in the University of
Aberdeen

SYPHILIS
(pp. 526-626)

BREVET-COLONEL L. W. HARRISON,
D.S.O., M.B., Ch.B., F.R.C.P.Ed.
Consultant in Venereal Diseases,
British Postgraduate Medical
School, London; Technical
Adviser in Venereal Diseases,
Ministry of Health

TALIPES
(pp. 628-641)

Section 1
DENIS BROWNE, M.B., F.R.C.S.
Surgeon, Hospital for Sick
Children, Great Ormond Street,
London

Section 2
ERIC I. LLOYD, M.B., F.R.C.S.
Surgeon, Hospital for Sick
Children, Great Ormond Street;
Orthopaedic Surgeon, Royal
Northern Hospital, London

TAPEWORM INFECTIONS,
INTESTINAL
(pp. 642-648)

PHILIP MANSON-BAHR, C.M.G.,
D.S.O., M.D., F.R.C.P. Director
of Clinical Tropical Medicine,
London School of Hygiene and
Tropical Medicine; Physician,
Hospital for Tropical Diseases,
London; Consulting Physician,
Colonial Office and Crown
Agents for the Colonies

TESTAMENTARY CAPACITY
(pp. 650-655)

EDWIN BRAMWELL, M.D., LL.D.,
F.R.C.P. Consulting Physician to
the Royal Infirmary, and
formerly Moncrieff Arnott
Professor of Clinical Medicine,
University of Edinburgh

TESTIS AND CORD
DISEASES

(pp. 656-670)

F. J. F. BARRINGTON, M.S.,
F.R.C.S. Surgeon to the Genito-
Urinary Department, University
College Hospital, and to St.
Peter's Hospital, London

TESTIS, UNDESCENDED

(pp. 671-676)

DENIS BROWNE, M.B., F.R.C.S.
Surgeon, Hospital for Sick
Children, Great Ormond Street,
London

ACKNOWLEDGEMENTS

We wish to express our thanks for permission to reproduce the following illustrations: to Dr. Mason Bolan (Fig. 83), Sir Charles Briscoe (Fig. 37), Dr. Alex. Dale (Plate IX, B and C), Dr. Twiston Davies (Fig. 14), Dr. Downing (Fig. 11, a), Dr. W. N. Goldsmith (Fig. 25), Dr. J. G. Greenfield (Plate VI), Dr. K. E. A. Hughes (Figs. 65, 67, 69, 72, 73, 77, and 78), Dr. J. M. H. MacLeod (Figs. 6 and 7), Dr. R. McWhirter (Plates IX, A; XI, A; and XII), Dr. E. P. Pendergrass (Plates I and II), Dr. Louis Savatard (Figs. 19, 26, 29, 31, 32, and 41), Dr. Scott (Fig. 12), and Dr. A. Whitfield (Figs. 22, 23, 27, 35, 38, and 40); to St. John's Hospital for Diseases of the Skin (Figs. 5 and 39); to the Editor of the *British Journal of Dermatology and Syphilis* (Fig. 15), the Editor of the *Glasgow Medical Journal* (Plate XIII), the Editor of the *Lancet* (Fig. 52), and the Editor of the *Medico-Chirurgical Transactions* (Fig. 27); to Messrs. John Bale, Sons & Curnow, Ltd. (Figs. 66, 68, 70, 71, and 75, and Plate XVII), Messrs. Cassell & Co., Ltd. (Figs. 90 to 93), Messrs. J. & A. Churchill, Ltd. (Fig. 59), Messrs. Constable & Co., Ltd. (Plate XVI), The Oxford University Press (Figs. 80 to 82), and Messrs. John Wright & Sons, Ltd. (Plates III and IV).

BUTTERWORTH & CO. (PUBLISHERS) LTD.

TABLE OF CONTENTS

	PAGES
SCARLET FEVER - - - - -	1- 20
SCHILDER'S DISEASE - - - - -	21- 24
SCIATICA - - - - -	26- 36
SCLERODERMIA - - - - -	37- 42
SCURVY - - - - -	44- 54
SEBORRHOEA AND SEBORRHOEIC DERMATITIS - - - - -	55- 68
SENESCENCE AND SENILITY - - - - -	69- 75
SEPTICAEMIA AND BACTERIAEMIA - - - - -	76- 89
SEX HORMONES - - - - -	90-109
SEXUAL BEHAVIOUR AND ABNORM- ALITIES - - - - -	110-125
SHOCK AND COLLAPSE - - - - -	126-131
SILICOSIS - - - - -	133-144
SIMMONDS'S SYNDROME - - - - -	145-147
SKIN DISEASES	
AFFECTIONS DUE TO INSECTS AND	
ACARINES - - - - -	149-160
OCCUPATIONAL DISEASES - - - - -	161-182
LOCALLY INOCULATED INFECTIONS	183-192
TUBERCULOSIS - - - - -	193-199
TUMOURS - - - - -	200-268
SMALLPOX - - - - -	269-292
SPEECH DEFECTS - - - - -	294-301
SPINAL CORD DISEASES - - - - -	302-360
SPINE, DISEASES AND DEFORMITIES	361-400
SPLEEN DISEASES - - - - -	401-417
SPRUE, TROPICAL - - - - -	419-436
STATISTICS, MEDICAL - - - - -	438-446
STERILITY - - - - -	447-466

	PAGES
STERILIZATION - - - - -	467-475
STOMACH, TUMOURS AND SOME OTHER CONDITIONS - - - - -	476-491
STRABISMUS - - - - -	492-501
SYMPATHETIC AND PARASYMPATHETIC NERVOUS SYSTEM - - - - -	503-525
SYPHILIS - - - - -	526-626
TALIPES - - - - -	628-641
TAPEWORM INFECTIONS, INTESTINAL	- 642-648
TESTAMENTARY CAPACITY - -	- 650-655
TESTIS AND CORD DISEASES - -	- 656-670
TESTIS, UNDESCENDED - - -	- 671-676

INDEX TO VOL. XI

LIST OF PLATES

PLATE	FACING PAGE
I & II. Radiographs of chests showing stages of silicosis, and of control healthy subject - <i>Between pages 136 and 137</i>	
III. Sarcomatosis (<i>colour</i>) - - - - -	243
IV. Granuloma pyogenicum (<i>colour</i>) - - - - -	250
V. A. Section of cervical enlargement of spinal cord in Friedreich's ataxy. B. Section of mid-thoracic cord in subacute combined degeneration. C. Section of spinal cord in syringomyelia. D. Section of medulla in syringobulbia - - - - -	332
VI. A. Photomicrograph of a typical haemangioma. B. Photomicrograph of a typical endothelioma or meningioma. C. Photomicrograph of an endothelioma containing 'psammoma bodies'. D. Photomicrograph of a typical neurofibroma - - - - -	352
VII. A. Radiograph showing typical lipiodol level in case of intrathecal tumour. B. Radiograph illustrating widening of spaces between pedicles together with typical linear lipiodol shadow in case of intramedullary tumour - - - - -	356
VIII. A. Radiograph of tuberculosis of cervical spine. B. Tuberculosis of 11th and 12th thoracic vertebrae. C. Tuberculosis of 2nd and 3rd lumbar vertebrae -	364
IX. A. Lateral radiograph of spine showing herniation of intervertebral disks. B and C. Radiographs of vertebra plana (Calvé's disease of the spine) - - - - -	365
X. A. Radiograph showing calcification of intervertebral disks. B. Antero-posterior view of spine in Albers-Schönberg's disease. C. Radiograph showing characteristic changes of osteitis deformans in sacrum and lower lumbar spine - - - - -	384
XI. A. Lateral radiograph of spine in case of osteogenesis imperfecta. B. Scoliosis of upper dorsal spine due to congenital hemivertebra. C. Lateral radiograph of spine showing post-traumatic spondylitis (Kümmell's disease) of the spine - - - - -	385