

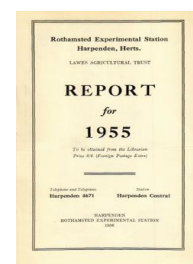
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

## Report for 1955

[Full Table of Content](#)



# Rothamsted Experimental Station; Soil Survey of England and Wales; Woburn Experimental Station and Imperial College of Science and Technology - Research Institute of Plant Physiology and the Commonwealth Bureau of Soils Staff List

## Rothamsted Research

Rothamsted Research (1956) *Rothamsted Experimental Station; Soil Survey of England and Wales; Woburn Experimental Station and Imperial College of Science and Technology - Research Institute of Plant Physiology and the Commonwealth Bureau of Soils Staff List* ; Report For 1955, pp 6 - 20 - DOI: <https://doi.org/10.23637/ERADOC-1-77>

# Rothamsted Experimental Station

## LIST OF STAFF

DECEMBER, 1955

Director: SIR WILLIAM G. OGG, M.A., B.Sc.,  
LL.D.(Aberd.), PH.D.(Cantab.)

Deputy Directors:

*Soils Division*: Vacant

*Plant Pathology Division*: F. C. BAWDEN, M.A.(Cantab.), F.R.S.

Secretary: J. B. BENNETT, A.C.A.

## PHYSICS DEPARTMENT

### *Head of Department*

H. L. PENMAN, M.Sc., PH.D.(Dunelm.), F.INST.P.

### *Scientific Staff*

G. H. CASHEN, M.Sc.(Manc.)

W. W. EMERSON, B.A.(Oxon.), PH.D.(Lond.)

I. F. LONG

J. L. MONTEITH, B.Sc.(Edin.), PH.D.(Lond.), D.I.C.

### *Temporary Workers*

J. A. TOOGOOD, B.Sc.(Alberta), PH.D.(Minn.)

### *Assistant Staff*

F. M. AXON, MARGARET DETTMANN, B.AGR.SC.  
(Melbourne), W. C. GAME, MRS. JENNIFER LARGE D. J.  
MCGREIVY JESSIE A. J. WALKER

## CHEMISTRY DEPARTMENT

### *Head of Department*

R. K. SCHOFIELD, PH.D.(Cantab.), F.INST.P.

### *Scientific Staff*

P. W. ARNOLD, M.A.(Cantab.), B.Sc.(Wales), PH.D.(Lond.)

BLANCHE BENZIAN, B.Sc.(Lond.)

J. M. BREMNER, B.Sc.(Glas.), PH.D.(Lond.)

G. W. COOKE, PH.D.(Lond.), F.R.I.C.

W. B. HAINES, D.Sc.(Lond.), F.INST.P., D.I.C.

B. HARRINGTON, B.Sc.(Lond.)

SIGNE G. HEINTZE, M.PHIL.(Stockholm)

A. E. JOHNSTON, B.Sc.(Wales)

G. E. G. MATTINGLY, PH.D.(Reading)

A. C. D. NEWMAN, B.A.(Oxon.)  
A. PENNY, B.Sc.(Agric.)(Aberd.)  
W. F. ROUE  
K. SHAW, B.Sc.(Bristol)  
H. A. SMITH  
A. STEPHENS  
O. TALIBUDEEN, M.Sc.(Lucknow), Ph.D.(Lond.)  
A. W. TAYLOR, M.Sc. (Manc.), Ph.D.(Lond.)  
R. G. WARREN, B.Sc.(Lond.)  
F. V. WIDDOWSON, B.Sc.(Agric.)(Reading)

*Temporary Workers*

R. A. CHRIST, Ph.D.(Basle).  
R. K. CUNNINGHAM, B.Sc.(Edin.)  
P. W. W. DABORN  
J. N. EFITE  
A. PINKERTON, B.Sc.(Glas.)

*Assistant Staff*

E. BIRD, MARGARET CHATER, D. H. CLARKE, MARGARET A. COLE, NELLIE CRESSEY, G. DARNLEY, C. G. DAVIES, A. T. DAY, S. C. R. FREEMAN, MRS. EDITH GUYTON, K. SYLVIA HARE, C. HUGHES, D. F. INNS, D. J. LAING, YVONNE NEWMAN, GWENDOLINE A. ROBERTS, M. ROBERTS, MRS. STELLA ROBERTS, F. J. SEABROOK, JOYCE W. THORNE, R. C. WATERS, J. R. WILKINSON, K. S. WILLIS

**PEDOLOGY DEPARTMENT**

*Head of Department*

A. MUIR, Ph.D (Edin.)

*Scientific Staff*

JANET BECKETT  
C. BLOOMFIELD, Ph.D.(Lond.), F.R.I.C.  
G. BROWN, B.Sc.(Glas.)  
G. DIBLEY  
R. GREENE-KELLY, Ph.D.(Lond.)  
D. N. GREET  
D. M. C. MACEWAN, M.A., B.Sc., Ph.D.(Edin.)  
J. H. RAYNER, D.Phil.(Oxon.)  
I. STEPHEN, B.Sc.(St. And.), Ph.D.(Lond.)  
A. H. WEIR, B.A.(Cantab.)

*Temporary Workers*

D. H. KHAN, M.Sc.(Dacca)

*Assistant Staff*

MRS. ANNE BROWN, SALLY BURNETT, R. FARROW, R. C. GALLAVAN, MRS. TEGWEN JOHNSON, GERALDINE WONFOR

**TROPICAL SOILS ADVISER**

H. GREENE, D.Sc.(St. And.)  
Secretary : T. MARJORIE GILCHRIST.



## SOIL MICROBIOLOGY DEPARTMENT

### *Head of Department*

H. G. THORNTON, B.A.(Oxon.), D.Sc.(Lond.), FOR. SEC. R.S.

### *Scientific Staff*

MARGARET E. BROWN, PH.D.(Lond.)  
MRS. JANINA KLECZKOWSKA, PH.D.(Cracow), PH.D.(Lond.)  
JANE MEIKLEJOHN, PH.D.(St. And.)  
P. S. NUTMAN, PH.D.(Lond.)  
F. A. SKINNER, M.A.(Cantab.), PH.D.(Lond.)  
T. I. STEENSON, B.Sc.(Agric.)(New Zealand)  
N. WALKER, PH.D.(Leeds), F.R.I.C.

### *Temporary Workers*

J. W. MILLBANK, PH.D.(Lond.)  
E. A. PETERSON, M.Sc.(Alberta)

### *Assistant Staff*

JANET BARFORD, JOAN CRAWLEY, MABEL DUNKLEY,  
SHIRLEY KINGSBURY, ANN OLIVER, JILL ROYSTON.

## BOTANY DEPARTMENT

### *Head of Department*

D. J. WATSON, PH.D.(Cantab.)

### *Scientific Staff*

S. A. W. FRENCH  
E. C. HUMPHRIES, D.Sc.(Lond.)  
G. H. KING, N.D.H.  
P. C. OWEN, B.Sc.(Wales), PH.D.(Lond.)  
GILLIAN N. THORNE, B.A.(Cantab.), PH.D.(Lond.)  
JOAN M. THURSTON, B.Sc.(Lond.)  
KATHERINE WARINGTON, D.Sc.(Lond.)  
K. J. WITTS, B.Sc.(Wales)

### *Assistant Staff*

AUDREY F. EVANS, BRENDA MESSER, HEATHER PELLANT,  
SHEILA PETERS, DOREEN K. SIMPSON, EILEEN M. WARNER

## BIOCHEMISTRY DEPARTMENT

### *Head of Department*

N. W. PIRIE, M.A.(Cantab.), F.R.S.

### *Scientific Staff*

MARJORIE BYERS, B.Sc.(Bristol), A.R.I.C.  
A. J. CLARKE, B.Sc.(Glas.)  
D. FAIRCLOUGH  
MARGARET HOLDEN, B.Sc.(Lond.)  
R. H. KENTEN, B.Sc.(Lond.)  
P. J. G. MANN, B.Sc.(Birm.), PH.D.(Cantab.)  
W. S. PIERPOINT, PH.D.(Sheffield)  
M. V. TRACEY, M.A.(Cantab.)  
G. H. WILTSHIRE, PH.D.(Cantab.)



*Assistant Staff*

R. J. AVERY, JANET BATES, MURIEL DUCKERING, MRS.  
ANNE G. FENTON, GILLIAN B. HARTLEY, MARGOT H.  
ROBERTS

**PLANT PATHOLOGY DEPARTMENT**

*Head of Department*

F. C. BAWDEN, M.A.(Cantab.), F.R.S.

*Scientific Staff*

J. W. BLENCOWE, PH.D.(Lond.)  
L. BROADBENT, PH.D.(Lond.)  
MARGARET M. BROWNE  
E. W. BUXTON, PH.D.(Cantab.)  
C. E. CORNFORD, PH.D.(Lond.)  
LINA CUNOW  
D. H. FIRTH, B.Sc.(Agric.)(Reading)  
H. L. FISHER, B.A.(Cantab.)  
L. F. GATES, B.A.(Cantab.)  
MARY D. GLYNNE, D.Sc.(Wales)  
G. D. HEATHCOTE, M.Sc.(Lond.)  
J. M. HIRST, B.Sc.(Reading), PH.D.(Lond.)  
R. HULL, PH.D.(Lond.)  
B. KASSANIS, D.Sc.(Lond.)  
A. KLECZKOWSKI, M.D.(Cracow), PH.D.(Lond.)  
D. H. LAPWOOD, PH.D.(Lond.), A.R.C.S., D.I.C.  
I. MACFARLANE, B.Sc.(Glas.)  
T. MULLIGAN, M.Sc.(Dublin)  
H. L. NIXON, M.A.(Cantab.)  
G. A. SALT, M.A.(Oxon.), PH.D.(Lond.)  
D. B. SLOPE  
O. J. STEDMAN  
T. W. TINSLEY, B.Sc.(Dunelm.), PH.D.(Lond.)  
MRS. MARION A. WATSON, PH.D.(Liv.)

*Temporary Workers*

R. S. BADAMI, M.Sc.(Agra)  
HÜSNÜ ISMAN, B.Sc.(Ankara)  
G. VAN DER GHINST, DIP.AGRIC.(Gembloux)

*Assistant Staff*

BEATRICE ALLARD, NANETTE CLARKE, SALLY EISLER,  
JUDITH ELLIOTT J. FOX, MARGARET FOX, B.Sc.(Cornell),  
R. GARRETT, BETTY HERRING, G. E. HOOPER, J. IWANICKI,  
MRS. JOAN IWANICKA, OLGA LANE, W. N. MOORE, A.  
ROLPH, BARBARA SAWYER, ANN M. WILLIAMS, MRS. JEAN  
WITTS, R. D. WOODS

**NEMATODOLOGY DEPARTMENT**

*Acting Head of Department*

D. W. FENWICK, D. Sc. (Wales) \*

\* F. G. W. Jones, M.A.(Cantab.), appointed Head of Department from 1.1.56.

*Scientific Staff*

C. C. DONCASTER, B.Sc.(Wales)  
A. RAE FORSTER, DIP.HORT.(Nott.)  
MARY T. FRANKLIN, PH.D.(Lond.)  
J. B. GOODEY, PH.D.(Lond.)  
J. J. HESLING, B.Sc.(Lond.), A.R.C.S.  
JOAN M. W. HURRELL, B.Sc.(Lond.)  
MRS. ELIZABETH WIDDOWSON

*Temporary Workers*

J. W. MEAGHER, B.AGR.Sc.(Melbourne)  
H. E. WELCH, M.A.(Toronto)  
A. G. WHITEHEAD, B.Sc.(Lond.), A.R.C.S.

*Assistant Staff*

ANNE Y. BALDWIN, SHEILA D. BAYNHAM, SYBIL COX,  
JANET A. DANIELS, D. HOOPER, MOLLY KEFFORD,  
MONICA M. WALLER

**ENTOMOLOGY DEPARTMENT**

*Head of Department*

K. MELLANBY, C.B.E., Sc.D.(Cantab.)

*Scientific Staff*

C. J. BANKS, PH.D.(Lond.)  
H. F. BARNES, M.A.(Oxon.), PH.D.(Lond.)  
LOIS M. CHERRY, B.Sc.(Queensland)  
A. J. COCKBAIN, B.Sc.(Manc.)  
R. M. DOBSON, M.A.(Cantab.), PH.D.(Lond.)  
R. A. FRENCH, B.Sc.(Lond.)  
C. G. JOHNSON, D.Sc.(Lond.)  
D. B. LONG, M.A.(Cantab.), PH.D.(Lond.)  
P. W. MURPHY, D.PHIL.(Oxon.), B.AGR.Sc.(U.C. Dublin)  
F. RAW, PH.D.(Lond.)  
J. W. STEPHENSON, B.Sc.(Lond.)  
BARBARA M. STOKES, M.Sc.(Reading)  
L. R. TAYLOR

*Temporary Workers*

D. L. MILNE, B.Sc.(Agric.)(Natal)  
M. A. ZAHER, M.Sc.(Cairo)

*Assistant Staff*

JANE BALSHAW, PHILIPPA M. BOUTWOOD, C. I. CARTER,  
ALISON M. FLETCHER, ANNE G. GRAY, J. R. LOFTY,  
VALERIA A. G. MILNE, BIDDY NASH, MARGARET REED

**INSECTICIDES AND FUNGICIDES DEPARTMENT**

*Head of Department*

C. POTTER, D.Sc.(Lond.), D.I.C.



*Scientific Staff*

R. BARDNER, B.Sc.(Lond.)  
P. BURT, B.A.(Cantab.)  
M. ELLIOTT, PH.D.(Lond.)  
MRS. EILEEN M. GILLHAM, B.Sc.(Hort.)(Lond.)  
DAPHNE V. HOLBROOK, B.Sc.(Lond.)  
JEAN HOLLAND  
JILL R. KERRIDGE  
F. T. LAST, PH.D.(Lond.), D.I.C., A.R.C.S.  
K. A. LORD, M.A.(Cantab.), PH.D.(Lond.), A.R.I.C.  
A. H. MCINTOSH, B.Sc.(Edin.), PH.D.(Lond.)  
P. H. NEEDHAM, B.Sc.(Manc.)  
HELEN E. SALKELD, M.S.A.(Toronto), PH.D.(Lond.)  
JANET SAMUEL, B.Sc.(Lond.)  
S. R. B. SOLLY, B.Sc.(Lond.), A.R.I.C.  
F. TATTERSFIELD, O.B.E., D.Sc.(Lond.), F.R.I.C.  
R. A. VAN BAER, B.AGR.Sc.(Melbourne)  
J. WARD, B.Sc.(St. And.)  
M. J. WAY, M.A.(Cantab.)

*Temporary Workers*

M. DAS, M.Sc.(Calcutta)  
ELIZABETH H. HAYTON, B.Sc.(Lond.)

*Assistant Staff*

A. J. ARNOLD, P. ETHERIDGE, PATRICIA FORBES, JILLIAN HACK, ROSEMARY E. HAMLEY, MRS. VANDA HOWARD, JANE JACKMAN, B.Sc.(Cornell), MRS. MARGARET MACFARLANE, SHEILA PAIN, PATRICIA A. SANDERS, DOREEN THORNETT, SUSAN VAN NOORDEN

**BEE DEPARTMENT**

*Head of Department*

C. G. BUTLER, PH.D.(Cantab.)

*Scientific Staff*

L. BAILEY, M.A.(Cantab.), PH.D.(Lond.)  
ELIZABETH CARLISLE  
J. B. FREE, B.A.(Cantab.), PH.D.(Lond.)  
DOREEN A. GIBBONS, B.Sc.(Nott.)  
C. R. RIBBANDS, M.A.(Cantab.)  
INGE B. M. RIEDEL, B.Sc.(Lond.)  
J. SIMPSON, M.A.(Cantab.)

*Assistant Staff*

VALERIE E. BRAMLEY, H. B. COPLESTON, N. E. ELLEMENT,  
A. R. W. GRIFFIN, MARION F. NUNN, P. W. TOMKINS,  
JOYCE M. WHITE, R. A. WELCH, R. E. WOODSTOCK

**STATISTICS DEPARTMENT**

*Head of Department*

F. YATES, Sc.D.(Cantab.), F.R.S.

*Scientific Staff*

D. A. BOYD, Ph.D.(Lond.)  
B. M. CHURCH, B.Sc.(Lond.)  
SHEILA COHEN, B.Sc.(Lond.)  
J. H. A. DUNWOODY, B.A.(Oxon.)  
J. C. GOWER, M.A.(Cantab.)  
M. J. R. HEALY, B.A.(Cantab.)  
MARY G. HILLS, B.A.(Cantab.)  
G. E. HODNETT, B.Sc.(Liv.)  
F. B. LEECH, B.AGR.(Belfast), M.R.C.V.S.  
W. J. LESSELLS, B.Sc.(Econ.)(Nott.)  
S. LIPTON, M.Sc.(Liv.)  
MRS. MARJORY G. MORRIS, B.Sc.(St. And.)  
AVERIL M. MUNNS, B.Sc.(Lond.)  
H. D. PATTERSON, M.Sc.(Leeds)  
D. H. REES, B.Sc.(Lond.)  
MRS. EMILY P. SIMPSON, B.A.(Oxon.)  
H. R. SIMPSON, B.A.(Cantab.)  
EDITH SPETCH, B.Sc.(Lond.)  
M. H. WESTMACOTT, B.A.(Oxon.)  
A. W. WHITWELL, B.Sc.(Nott.)

*Technician for Electronic Computer*

D. J. KNIGHT

*Temporary Workers*

R. W. SHARP, B.Sc.(Lond.)  
CECILY M. THOMAS, B.Sc.(Lond., U.C.W.I.)

*Assistant Staff*

RUTH HUNT (Secretary)  
MRS. DOREEN BISPHAM, MRS. EDITH E. CHALLENGER,  
MRS. MARIE CLARKE, MRS. DORIS A. COURT, MRS. WINIFRED L. DAWSON, CONSTANCE HUNT, MRS. FLORENCE V. W. JORDAN, MRS. GWENDOLINE LUCAS, STELLA MARDLE, DOREEN MITCHELL, MRS. GWENDOLINE O'DELL, AUDREY PINCOMBE, ANNE PLATT, MRS. VERONA A. ROBERTS, MRS. DOROTHY SLACK, FRED A. SMITH, KATHARINE THOMAS, ANN WATKINSON, MRS. MARGARET P. WHITTINGHAM

**FIELD EXPERIMENTS SECTION**

*Head of Section*

H. V. GARNER, M.A.(Cantab), B.Sc.(Liv.)

*Staff*

G. V. DYKE, M.A.(Oxon.)  
M. J. ALLEN  
C. R. L. SCOWEN  
MYRTLE HUGHES (Clerical Assistant)  
B. WESTON (Field Superintendent).



## FARM STAFF

### *Head of Farms*

J. R. MOFFATT, B.Sc.(Agric.)(Lond.), N.D.A., A.I.B.A.E.

### *Deputy Farm Manager*

M. J. HILL, B.Sc.(Agric.)(Lond.)

### *Assistant Farm Manager*

G. F. COLE

### *Secretary*

BRENDA SIMPSON

### *Recorders*

J. M. BIDGOOD

F. V. COOPER, DIP.AGRIC.(Wye)

G. F. JARVIS, M.Sc.(Dunelm.)

### *Foreman*

W. A. H. BURTON

### *Farm Workers*

T. ABLEWHITE, J. BIRD, H. BUNYAN, W. CAIN, A. B. CARPENTER, H. S. CHAPMAN, P. W. CURRANT, A. JENNINGS, P. LOCKTON, A. MILLS, T. F. NIBLOE, K. SMITH, E. STEVENS, F. STOKES, H. A. WALFORD, M. R. WARNER

## LIBRARY

### *Librarian*

D. H. BOALCH, M.A.(Cantab.)

### *Assistant Librarian*

MRS. K. TONI GREEN

### *Assistants*

MRS. SHEILA BENSON, MRS. HELEN J. HART, DIANA ROWLEY

## ADMINISTRATIVE AND CLERICAL STAFF

### *Director's Personal Assistant*

MILDRED E. ASHFORD

### *Assistant to Secretary*

E. CHURCH

### *Cashier*

MRS. OLIVE COLEMAN

### *Clerical Staff*

MRS. MARY ARNOLD, MRS. DOROTHY COATES, YVONNE FITZHUGH, JOAN A. GARDNER, MARY K. HOWARD,

JENNIFER LAWRENCE, MAVIS F. LAWRENCE, MRS. DORIS PRICE, MRS. AUDREY STEELE

*Storekeepers*

A. H. BOWDEN, F. W. ELLINGHAM.

**PHOTOGRAPHY**

*Photographer*

V. STANSFIELD, F.R.P.S.

*Assistant*

F. D. COWLAND

*Draughtsman*

AUDREY I. SIMPSON.

**HALL OF RESIDENCE AND CANTEEN**

*Warden and Housekeeper*

MARJORIE M. BLOOMFIELD

*Assistant Housekeeper*

AUDREY H. BENZIE

*Staff*

MRS. CATHERINE DOYLE, PHYLLIS GRAVESTOCK, MRS. ETHEL L. HAWKINS, FANNY JENKINSON, MRS. ELSIE LEE, E. NEEDHAM, MRS. GERTRUDE A. NEEDHAM

**MAINTENANCE AND WORKSHOP STAFF**

*Head of Workshop and Maintenance Staff*

A. E. HALL

*Staff*

W. G. ABBOTT, L. C. BERRY, E. J. BURGESS, S. A. CHALLEN, A. CURL, B. EDWARDS, S. FOSTER, A. HALSEY, J. R. HILL, S. NUNN, R. C. PARROTT, L. R. SMITH, W. J. SMITH

*Cleaners, etc.*

MRS. E. BYGRAVE, H. P. CURRANT, MRS. FLORENCE HAMILTON, F. K. HAWKINS, W. F. HEWITT, A. C. HILL, P. ROLT, F. J. STOCK, L. C. SWAN, H. A. WESTON

*Gardeners*

L. ALLEN, H. BALDWIN, R. W. B. DALE, W. S. FISHER, F. HAMILTON, F. IVORY, H. J. NEWMAN, D. W. STAPLETON

**Members of the Administrative and Scientific Staff who left between January and December, 1955.**

*Bee Department*

JEAN M. WILSON, B.A.(Cantab.)



*Chemistry Department*

J. E. A. OGBORN, A.R.I.C.

*Entomology Department*

C. B. WILLIAMS, Sc.D.(Cantab.), F.R.S.

*Insecticides Department*

MRS. JOYCE KENTEN, B.Sc.(Lond.)

*Nematology Department*

B. G. PETERS, M.Sc.(Bristol), Ph.D.(Lond.)

*Soil Microbiology Department*

JANET I. FINDLATER, B.Sc.(Lond.), A.R.C.S.

*Statistics Department*

MURIEL E. DAVIS, B.Sc.(Wales)

*Field Experiments Section*

MRS. KATHLEEN OGBORN, N.D.D.

*Rothamsted Farm*

S. MEYLER, B.Sc.(Agric.)(Lond.)

**The following spent varying periods as temporary workers at Rothamsted during 1955 :**

*Australia*

J. W. MEAGHER (Nematology), P. SPRENT (Statistics)

*Belgium*

M. A. E. G. FRERE (Physics), G. C. J. SOMMEREYNS (Plant Pathology), G. VAN DER GHINST (Plant Pathology)

*British West Indies*

W. D. BURROWES (Statistics), R. K. CUNNINGHAM (Chemistry), H. A. L. FRANCIS (Statistics), J. M. HARRIS (Entomology), CECILY M. THOMAS (Statistics)

*Canada*

G. B. OAKLAND (Statistics), E. A. PETERSON (Soil Microbiology), I. L. STEVENSON (Soil Microbiology), J. A. TOOGOOD (Physics), H. E. WELCH (Nematology)

*Cyprus*

V. D. KRENTOS (Insecticides)

*Egypt*

M. A. ZAHER (Insecticides)

*France*

R. CAYROL (Entomology)

*Germany*

F. K. BOTTCHE (Bee), H. FRITZSCHE (Soil Microbiology),  
ELSE E. HAINE (Entomology), C. K. H. MARTINI (Plant  
Pathology)

*Holland*

FREDERIKA QUAK (Plant Pathology), J. B. M. VOGT  
(Chemistry)

*India*

S. BADAMI (Plant Pathology), M. DAS (Insecticides),  
K. M. PANDALAI (Biochemistry and Soil Microbiology)

*Israel*

D. H. YA'ALON (Pedology)

*Kenya*

K. LERCHE (Statistics)

*Malaya*

GIM H. TEOH (Statistics)

*Mauritius*

S. FEILLAFE (Statistics)

*Mexico*

I. PARRA (Pedology)

*New Zealand*

T. PALMER-JONES (Bee)

*Pakistan*

K. A. HASAN (Chemistry), D. H. KHAN (Pedology)

*Portugal*

G. DE M. SILVA (Insecticides)

*Rhodesia*

A. I. CARMICHAEL (Pedology)

*South Africa*

D. L. MILNE (Entomology)

*Spain*

J. CANO (Chemistry), D. RAMIREZ (Statistics)

*Sudan*

M. A. NOUR (Insecticides)

*Switzerland*

R. A. CHRIST (Chemistry), A. J. WEHRLI (Physics)

*Turkey*

F. INCEKARA (Field Experiments), HÜSNÜ H. ISMAN (Plant  
Pathology)



*West Africa*

W. F. K. CHRISTIAN (Statistics), J. N. EFITE (Chemistry),  
G. HIGGINS (Soil Survey), W. MACNAB (Statistics), P. T.  
NELSON (Statistics), D. J. TAYLOR (Insecticides), J. M.  
THRESH (Plant Pathology)

*Yugoslavia*

M. JEREMIĆ (Insecticides), Z. TEOFILOVIĆ (Entomology),  
B. VOVK (Pedology), R. VUJADINOVIĆ (Insecticides)

*British Isles*

R. F. ADAMSON (Chemistry), G. D. ANDERSON (Insecticides),  
MARGARET K. ARNOLD (Entomology), J. K. BARKLA  
(Botany), J. A. R. BATES (Chemistry), C. BISHOP (Chem-  
istry), D. S. BROWN (Entomology), B. BUCKINGHAM  
(Entomology), J. A. BULLOCK (Entomology), DOREEN A.  
CAKE (Bee), A. G. CHAMBERLAIN (Chemistry), R. CHEN  
(Chemistry), J. W. COLE (Nematology), L. R. COLE (Ento-  
mology), P. W. W. DABORN (Chemistry), J. E. V. DAVIS  
(Entomology), K. DOODSON (Plant Pathology), K. B.  
EASTERBROOK (Plant Pathology), P. F. ENTWISTLE  
(Entomology), P. B. FLEGG (Physics), CONSTANCE GARRETT  
(Entomology), J. GUNN (Entomology), J. L. HAMMERTON  
(Field Experiments), B. D. HARRISON (Plant Pathology),  
M. G. R. HART (Soil Microbiology), ELIZABETH H. HAYTON  
(Insecticides and Statistics), PAMELA HEPDEN (Plant  
Pathology), P. HOLLIDAY (Nematology), DIANE M. HULATT  
(Bee), K. JOY (Plant Pathology), D. LEE (Insecticides),  
J. SHEILA LE MONT (Insecticides), ANN LYELL (Nematol-  
ogy), CHRISTINE E. MASON (Nematology), G. M. MACKIN-  
TOSH (Nematology), LAETITIA MELVILLE (Insecticides),  
J. W. MILLBANK (Soil Microbiology), LORNA MOFFATT  
(Nematology), P. T. NELSON (Statistics), I. W. B. NYE  
(Entomology), J. E. A. OGBORN (Chemistry), D. A. PERRY  
(Plant Pathology), A. PINKERTON (Chemistry), M. V.  
PROSSER (Plant Pathology), JOAN RICHES (Chemistry),  
JUANITA RUSSELL (Soil Microbiology), G. C. E. SCUDDER  
(Entomology), R. W. SHARP (Statistics), J. R. C. SMITH  
(Plant Pathology), T. R. E. SOUTHWOOD (Entomology),  
JANET K. STEVENS (Botany), B. STEVENSON (Bee), P.  
SYMES (Insecticides), ANN TERRY (Insecticides), J. THORNTON  
(Chemistry), P. B. TINKER (Chemistry), IRENE WAR-  
MAN (Physics), JEAN C. V. WEBB (Botany), A. G. WHITE-  
HEAD (Nematology), J. WHITEHOUSE (Plant Pathology),  
J. C. WILCOX (Chemistry), K. J. WITTS (Plant Pathology),  
JEAN YOUNG (Entomology)

B



# Soil Survey of England and Wales

## *Head of Survey*

A. MUIR, PH.D.(Edin.)

## *Deputy Head of Survey*

D. A. OSMOND, M.Sc., PH.D.(Bristol)

## *Soil Surveyors*

G. D. ASHLEY, B.Sc.(Sheffield)  
B. W. AVERY, B.Sc.(Reading)  
D. F. BALL, B.A.(Cantab.)  
B. CLAYDEN, B.Sc.(Sheffield)  
C. B. CRAMPTON, B.Sc.(Bristol)  
A. CROMPTON, B.Sc.(Leeds)  
E. CROMPTON, M.Sc.(Manc.)  
L. F. CURTIS, B.Sc.(Bristol)  
D. C. FINDLAY, B.A.(Cantab.)  
R. D. GREEN, M.Sc.(Lond.)  
B. R. HALL, B.Sc.(Edin.)  
J. F. HARROP, B.Sc.(Sheffield)  
C. A. H. HODGE, B.Sc.(Wales)  
J. H. JAMES, PH.D.(Bristol)  
D. W. KING, B.Sc.(Lond.)  
D. MACKNEY, B.Sc.(Bristol)  
C. C. RUDEFORTH, B.Sc.(Lond.)  
R. S. SEALE, M.A.(Cantab.)  
A. J. THOMASSON, B.A.(Bristol)

## *Colonial Pool of Soil Surveyors*

A. O. BALLANTYNE, PH.D.(Edin.) (In Northern Rhodesia)  
G. F. M. MURDOCH, M.A.(Edin.) (In Swaziland)

## *Chemists*

C. L. BASCOMB, B.Sc.(Agric.)(Reading)  
H. H. LE RICHE, B.Sc.(Lond.)

## *Temporary Workers*

J. C. CHISNELL, B.Sc.(Nott.)  
C. D. OLLIER, B.Sc.(Bristol)  
J. STARK, M.A.(Glas.)

## *Cartographer*

D. V. JONES

## *Assistant Staff*

R. F. ALLBROOK, PAMELA ASH, MRS. AUDREY M. DENTON-  
HUGHES, MRS. JOAN K. FOSTER, M. A. MURPHY, SHEILA  
PETTITT, MRS. SHEILA M. WRIGHT



## Woburn Experimental Station

*Director*

SIR WILLIAM G. OGG, M.A., B.Sc., LL.D.(Aberd.), Ph.D.  
(Cantab.)

*Assistant Director*

H. H. MANN, D.Sc., F.R.I.C. (Kaisar-i-Hind Gold Medal)

*Chemist*

T. W. BARNES, M.Sc.(Lond.), F.R.I.C.

*Assistants*

A. PEACOCK, G. PEARCE.

### FARM STAFF

*Head of Farms*

J. R. MOFFATT, B.Sc.(Agric.)(Lond.), N.D.A., A.I.B.A.E.

*Assistant*

G. F. COLE

*Bailiff*

A. W. NEILL

*Farm Workers*

C. HATHAWAY, R. HOLLIMAN, CLARA E. HORN, W. HUM-  
MERSTON, W. A. MCCALLUM, K. WILSON, W. WILSON

## Imperial College of Science and Technology

(Research Institute of Plant Physiology)

*Director*

F. G. GREGORY, D.Sc.(Lond.), F.R.S.

*Head of Department*

F. J. RICHARDS, D.Sc.(Birm.), F.R.S.

*Scientific Staff*

E. H. GRICE-HUTCHINSON, B.Sc.(St. And.)  
C. A. PRIESTLEY, B.A.(Cantab.)  
W. W. SCHWABE, Ph.D.(Lond.)

*Assistant Staff*

W. S. BIGGS, C. SINCLAIR, PAMELA SMITH



## The Commonwealth Bureau of Soil Science

Director ... ..	G. V. JACKS, M.A.
Consultant Director ...	SIR W. G. OGG, M.A., PH.D., LL.D.
Assistant Director ...	W. D. BRIND, B.Sc.
Assistants ... ..	G. A. GREENWOOD, B.Sc. MRS. M. KATHLEEN MILNE, B.Sc. I. SZLADITS, PH.D. NORAH J. WATTS, M.A.
Indexer ... ..	MRS. SOPHIE ADAMS
Clerks ... ..	CHRISTINE E. DOLLIMORE, MRS. IRIS LINDSAY, MARGUERITA D. PAYNE, MRS. RITA M. STARKINS

The Bureau is one of ten Commonwealth Agricultural Bureaux, and was established at Rothamsted in 1929. Administratively and financially the Bureau is distinct from the Station, but the closest collaboration exists in the work of the two. The Director of the Station is Consultant Director of the Soil Bureau.

The function of the Bureau is to assist workers in soil science throughout the Commonwealth by providing technical information, by promoting contact between them and by rendering any technical assistance possible when they are in this country. A bi-monthly abstract journal *Soils and Fertilizers*, covering the literature of soil science, fertilizers and the culture of field crops throughout the world, is published, together with occasional monographs—*Technical Communications*—on subjects of general interest. To facilitate its work, the Bureau seeks to be well informed as to the personnel engaged in soil work in the Commonwealth and the problems on which they are engaged. Each Government has been requested to nominate one of its staff as Official Correspondent to the Bureau, who acts as liaison officer in Bureau matters and assists in the collection and distribution of information. The issue of technical information is usually free to all workers in soil science who ask the assistance of the Bureau.