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ROTHAMSTED  
RESEARCH

## Report for 1934

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### **Rothamsted Experimental Station ; Woburn Experimental Farm; Imperial Bureau of Soil Staff List**

#### **Rothamsted Research**

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## Experimental Station Staff

JANUARY—DECEMBER 1934.

Director : SIR E. JOHN RUSSELL, D.Sc., F.R.S.

Assistant Director : B. A. Keen, D.Sc., F.R.S.

### The James Mason Bacteriological Laboratory—

Head of Department .. H. G. THORNTON, B.A., D.Sc.  
Assistant Bacteriologist .. HUGH NICOL, M.Sc., Ph.D., A.I.C.  
Post-Graduate Research  
Workers .. .. C. B. TAYLOR, B.Sc. (Agric.)  
JOYCE E. RUDORF  
Laboratory Assistant .. SHEILA ARNOLD  
Laboratory Attendant .. BLANCHE ROLT

### Botanical Laboratory—

Head of Department .. WINIFRED E. BRENCHELY, D.Sc.,  
F.L.S.  
Assistant Botanist .. KATHERINE WARINGTON, M.Sc.  
Post - Graduate Research  
Worker .. .. ETHEL A. ROWE, B.Sc.  
Laboratory Assistant .. MARJORIE MESSENGER  
Laboratory Attendants .. RUTH WALKER  
CONSTANCE HULL

### Chemical Laboratory—

Head of Department .. E. M. CROWTHER, D.Sc., F.I.C.  
Assistant Chemists .. R. G. WARREN, B.Sc.  
H. L. RICHARDSON, M.Sc., Ph.D.,  
A.I.C.  
SIGNE G. HEINTZE, Mag. Phil.  
Post - Graduate Research  
Workers .. .. S. NAGELSCHMIDT, Ph.D.  
J. B. MARSHALL, M.Sc.  
S. P. RAYCHAUDHURI, D.Sc.  
Special Assistant .. .. E. GREY  
Laboratory Assistants .. A. H. BOWDEN  
F. J. SEABROOK  
G. LAWRENCE  
H. A. SMITH  
J. W. DEWIS  
ALICE KINGHAM  
JOAN OAKLEY  
Biochemical Section .. A. G. NORMAN, D.Sc., F.I.C.  
MARIAN NORMAN, M.Sc.  
Laboratory Assistant .. JOAN HELLYER

**Fermentation Laboratory—**

Head of Department	..	E. H. RICHARDS, B.Sc., F.I.C. (Iveagh Research Chemist)
Assistant Chemist	..	S. H. JENKINS, M.Sc., Ph.D., F.I.C.
Post - Graduate Research Worker	.. ..	C. N. ACHARYA, B.A., M.Sc.
Laboratory Assistant	..	MARGARET DUNCKLEY

**Insecticides and Fungicides Laboratory—**

Head of Department	..	F. TATTERSFIELD, D.Sc., F.I.C.
Assistant Chemist	..	J. T. MARTIN, Ph.D., A.I.C.
Laboratory Assistants	..	C. REID BETTY DAVIES

**General Microbiology Laboratory—**

Head of Department	..	D. WARD CUTLER, M.A., F.Z.S.
Assistant Microbiologists		LETTICE M. CRUMP, M.Sc., F.Z.S. N. W. BARRITT, M.A. ANNIE DIXON, M.Sc., F.R.M.S. JANE MEIKLEJOHN, Ph.D.
Post - Graduate Research Worker	.. ..	S. R. SENGUPTA, M.Sc.
Laboratory Assistant	..	MABEL DUNKLEY
Laboratory Attendant	..	MARJORIE ROBERTS

**Physical Laboratory—**

Head of Department	..	B. A. KEEN, D.Sc., F.R.S.
Colloid Physicist	.. ..	R. K. SCHOFIELD, M.A., Ph.D. (Empire Cotton Growing Corporation Soil Physicist)
Assistant Physicists	..	G. W. SCOTT BLAIR, M.A. (Gold- smiths' Company Physicist) G. H. CASHEN, M.Sc. E. W. RUSSELL, M.A., Ph.D.
Post-Graduate Research Workers	.. ..	L. W. SAMUEL, B.Sc., A.I.C. N. P. MEHTA, B.Ag. J. V. B. DA COSTA, B.S.A.
Assistant	.. ..	JESSIE WALKER
Laboratory Assistants	..	W. C. GAME R. F. S. HEARMON
Laboratory Attendants		L. R. WHEELER MARY ELLINGHAM

**Statistical Laboratory—**

Head of Department	..	F. YATES, M.A.
Assistant Statistician	..	W. G. COCHRAN, B.A.
Post-Graduate Research Worker	.. ..	I. ZACOPANAY, B.A. (Agric.)
Assistant Computers	..	J. W. WEST FLORENCE PENNELLS KITTY ROLT PEGGY HUBBARD
Honorary Consultant	..	PROF. R. A. FISHER, M.A., Sc.D., F.R.S.

**Entomological Laboratory—**

Head of Department	..	C. B. WILLIAMS, M.A., Sc.D.
Assistant Entomologists	..	H. F. BARNES, M.A., Ph.D. H. C. F. NEWTON, B.Sc., A.R.C.S. W. R. S. LADELL, F.I.C.
Soil Insects Investigations		
Post - Graduate Research Workers		AVERILL M. LYSAGHT, M.Sc. P. S. MILNE, B.Sc. JOAN ANDERSON, M.Sc. KATHERINE J. GRANT
Laboratory Assistant	..	ELIZABETH SIBLEY
Laboratory Attendant	..	ANITA NEWBURY
Bee Investigations—		
Apiarist	.. ..	D. M. T. MORLAND, M.A.
Bacteriologist	.. ..	H. L. A. TARR, Ph.D.
Apicultural Assistant	..	A. C. ROLT

**Plant Pathology Laboratory—**

Head of Department	..	J. HENDERSON SMITH, M.B., Ch.B. B.A.
Mycologist	.. ..	G. SAMUEL, M.Sc.
Assistant Mycologist	..	MARY D. GLYNNE, M.Sc.
Virus Diseases: Special Staff—		
Physiologist	.. ..	J. CALDWELL, B.Sc., Ph.D.
Cytologist	.. ..	FRANCES M. L. SHEFFIELD, Ph.D. F.L.S.
Entomologist	.. ..	MARION A. WATSON, Ph.D.
Glasshouse Superintendent		MARGARET M. BROWNE
Post - Graduate Research Workers		L. HAVAS F. J. GREANEY, Ph.D. LINA CUNOW
Laboratory Assistant	..	ELSIE HUNT
Laboratory Attendant	..	HILDA READE
Glasshouse Attendant	..	GLADYS CURD

**Field Experiments—**

Guide Demonstrators	..	H. V. GARNER, M.A., B.Sc. E. H. GREGORY
Plant Physiologists	..	D. J. WATSON, M.A., Ph.D. PROF. W. SOUTHWORTH G. C. PROCTER, B.Sc.
Field Superintendent	..	B. WESTON
Assistants .. ..	..	G. F. COLE S. A. W. FRENCH R. BRETT

**Imperial College of Science  
and Technology Staff—**

(Plant Physiology)		F. G. GREGORY, D.Sc. A. T. LEGG F. J. RICHARDS, M.Sc. H. C. THORPE, B.Sc.
Assistants .. ..	..	J. E. WILLIAMS J. W. S. WRIGHT

**Farm—**

Manager	..	J. R. MOFFATT, B.Sc., N.D.A.
Recorder	..	E. C. WALLIS
Bailiff	..	H. CURRANT
Horsemen	..	F. STOKES G. HENDERSON W. CAIN
Shepherd	..	T. DOW
Stockmen	..	F. WORSFOLD A. J. SMITH
Tractor Driver	..	J. UNDERHILL
Labourers	..	W. HOLLAND H. CHAPMAN F. SNOXALL

**Library—**

Librarian	..	MARY S. ASLIN
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**Secretarial Staff—**

Secretary	..	W. BARNICOT, M.B.E.
Assistant Secretary	..	CONSTANCE K. CATTON
Director's Private		
Secretary	..	ANNIE E. MACKNESS
Senior Clerk	..	BEATRICE E. ALLARD
Junior Clerks	..	OLIVE MUNT STELLA WARD MARY K. HOWARD

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Photographer	..	V. STANSFIELD, F.R.P.S.
Laboratory Steward and Storekeeper	..	A. OGGELSBY
Engineer and Caretaker	..	W. PEARCE
Assistant Caretaker	..	F. K. HAWKINS

**Transferred to the University of Birmingham—**

Barley Investigations L. R. BISHOP, M.A., Ph.D.  
(Institute of Brewing F. E. DAY, B.Sc., F.I.C.  
Research Scheme)

**Temporary Workers, 1934—**

In addition to those temporary workers recorded in the list of staff, the following sent officially by Governments or Universities, or coming on their own resources, have worked at the Station for various periods during the year 1934 :

(1) FROM THE EMPIRE :

*India* : T. Ahmad, Dr. S. P. Aiyer, H. D. Nangpal.

(2) FROM FOREIGN COUNTRIES :

*Denmark* : F. P. Dalsgaard.

*Holland* : W. Van Dompseleer.

*Hungary* : Dr. B. Ripp.

*Italy* : Dr. E. Morra di Lavriano.

*Poland* : Dr. T. W. Wasowicz.

*Spain* : J. M. Albareda.

*Sweden* : B. Jacobsson.

*United States of America* : Dr. J. M. Birkeland.

(3) FROM BRITISH ISLES :

B. Anderson, Miss C. J. Annis, M. S. Bartlett, Miss M. L. H. Beckton, A. V. Coombs, G. K. Donald, F. J. Dudley, G. Emery, G. H. Gush, G. W. Harris, Miss L. E. Holmes, D. P. Jones, R. P. Libbey, J. Marshall, G. W. Mott, R. D. Pinchin, Miss C. A. Pratt, P. H. Simon, D. C. Thomas.

**Woburn Experimental Farm**

**Aspley Guise, Bletchley, Beds.**

*Telephone & Telegrams*

Ridgmont 30

*Station*

Ridgmont, L.M.S.

Hon. Local Director	..	J. A. VOELCKER, C.I.E., M.A., Ph.D.
Assistant Director	..	H. H. MANN, D.Sc., F.I.C. (Kaisar-i-Hind Gold Medal)
Chemist	.. ..	T. W. BARNES, M.Sc.
Laboratory Assistant	..	R. DEACON

**Farm Staff—**

Assistant Manager	..	T. C. V. BRIGHT
Horseman	.. ..	G. TYLER
Stockman	.. ..	W. McCALLUM
Assistant Stockmen	..	D. McCALLUM W. McCALLUM
Labourer	.. ..	A. SIBLEY

## Imperial Bureau of Soil Science

Director : SIR E. J. RUSSELL, D.Sc., F.R.S.

Deputy Director : G. V. JACKS, M.A., B.Sc.

Scientific Assistants : A. J. LLOYD LAWRENCE, M.A., HELEN  
SCHERBATOFF

Assistant Abstractors : JANET N. COMBE

BERYL M. NORTH

Secretary : MONA B. STAINES

Clerks : LUCY ARNOLD, MARY L. CHENNELLS

The function of the Bureau is to assist workers in soil science throughout the Empire by providing technical information, by promoting contact between them, and by rendering any technical assistance possible when they are in this country. To facilitate its work, the Bureau seeks to be well informed as to the personnel engaged in soil work in the Empire 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 will act generally as liaison officer in Bureau matters and assist in the collection and distribution of information. The issue of technical information is not confined to Official Correspondents, but extends to all workers in soil science who ask the assistance of the Bureau. Special arrangements have been made to get in touch with Forest Officers interested in soil problems.