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ROTHAMSTED  
RESEARCH

# Rothamsted Research Annual Report 2002-2003

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## Staff of the Institute

### Rothamsted Research

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## Staff of the Institute as at 31 March 2003

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Associate Director:

#### Professor Brian R Kerry

Personal Assistant: Deirdre F Hughes

### ASSOCIATE DIRECTOR AND DIRECTOR OF LONG ASHTON

#### Professor Peter R Shewry\*

Personal Assistant: Pat A Baldwin

### DIRECTOR OF BROOM'S BARN

#### John D Pidgeon

Personal Assistant: Sue Frampton

### Staff with functional responsibilities throughout the Institute:

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Institute Assistant Director, External  
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Institute Assistant Secretary and Head of  
Administration Michael J Truelove<sup>1</sup>  
Institute Administrative Computing  
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Institute Bioinformatics  
Paul J Verrier  
Institute Biomathematics  
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Tina L Alger  
Institute Engineer Mike J Hadlow  
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Nicholas C Skinner  
Institute International Liaison and PR  
Susannah M Bolton  
Institute Librarian Liz Allsopp  
Institute Personnel Officer  
Tony Jowett  
Institute Purchasing Manager  
Richard W M Lilley

Institute Safety Officer

Cliff P Brookes

### AGRICULTURE AND THE ENVIRONMENT DIVISION

Head of Division

#### **K W T Goulding BSc, MSc, PhD,** **FIsoilSci**, Special Professor in the School

of Life and Environmental Sciences,

University of Nottingham; Visiting

Lecturer in the Department of Soil

Science, University of Reading

Personal Assistant: C H Jaggard

Secretaries: D P Dawkins

A C Pears<sup>1</sup>

Typists: M McDonnell<sup>1</sup>

H M Richardson BSc<sup>1</sup>

Admin: K L Harwood

### Nutrient Dynamics

#### **K W T Goulding**

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Professor in the Department of  
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R H Cartwright<sup>1</sup> BSc

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S Fortune BSc, MSc, PhD

S M J Francis BSc

N Gilbert<sup>1</sup>

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S Kerley<sup>1</sup> BSc, PhD

P K Leech<sup>1</sup> BSc

A J Macdonald BSc, PhD

S M Mitchinson<sup>2</sup> BSc

P R Poulton

T Scott

E A Stockdale BSc, PhD

A J Swain BSc

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### Soil Protection and Remediation

#### **S P McGrath BSc, PhD** Honorary

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M Blake-Kalff<sup>1</sup> MSc, PhD

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D L Johnson PhD

M Moreau<sup>1</sup>

C P Rooney<sup>2</sup> BSc, PhD

B Tenet<sup>1</sup>

F-J Zhao BSc, MSc, PhD

### Carbon Cycling

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Science, University of Reading

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University of China, Beijing

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C A Grace

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D P B Perocheau<sup>1</sup>

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H C Yates BSc

### **Biomathematics Unit**

#### **R Thompson BSc, MSc, DSc, FRSE**

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A Baierl

I Beardmore

M Cherry<sup>1</sup>

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P D Fisher<sup>1</sup>

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H E Jones PhD

C Lawless PhD

S K Mertens<sup>2</sup> BA, MA, MSc, PhD

V J Mitchell

D A Murray<sup>1</sup> BSc, MSc

R W Payne BA, DipStat, Cstat, PhD

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S J Powers BSc, MSc, PhD

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D M Soutar<sup>1</sup>

A D Todd BSc, MSc

R J van de Ven<sup>1</sup> PhD

F van den Bosch PhD

S J Welham BA, MSc

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### **Analytical Services**

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D J Hampshire

R P Skilton<sup>2</sup>

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Professor P J Gregory

Professor K Killham

Professor R A Leigh

Dr R Webster

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M D Resende (Brazil)

W Zhou BSc, PhD (China)

#### *Visiting Scientists*

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W R Cookson (New Zealand)

X R Fan (China)

F Haudestaine (France)

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A Herrmann (Germany)

J M Hodgson

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S O'Flaherty (Ireland)

M Orsel (France)

A Smith (Australia)

S Swanwick

M Tibbetts

C Titus (South Africa)

Y Tong (China)

J Wang (China)

Q Wen (China)

L Wu (China)

Y Xiao (China)

M Xu (China)

J Yanai (Japan)

H Zha (China)

#### *Postgraduate Students*

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G A Akudbillah

K-M Clothier

S J Cookson

I M Demon

S Machefert

S P Pandey

S Parnell

K Papastamati

P Shelmerdine

S J Todd

F van den Berg  
Sandwich Course Students  
S M Gaynor (Bath)

### **BIOLOGICAL CHEMISTRY DIVISION**

Head of Division

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Typist: J N Still

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**L M Field BA, PhD**

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M S Williamson BSc

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### **Pesticide Chemistry**

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Professor A Watts

Lawes Trust Senior Fellow

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Z-X Li BSc, PhD (China)

O Pino-Perez BSc (Cuba)

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K Cherry

A L Devonshire

C Erdogan (Turkey)

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P W Tomkins

B Torto (Kenya)

T Toshova (Bulgaria)

M K Tsanuo (Kenya)

Y Yang (China)

G Zhang (China)

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S M Elbanna (Egypt)

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H Le Blanc

J Logan

M Merryweather BSc

E Napper BSc

M Selby

A Skelton BSc, MSc

R Tregaskis BSc

S Young BSc, MSc

### **BROOM'S BARN SUGAR BEET PRODUCTIVITY AND IMPROVEMENT DIVISION**

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**J D Pidgeon BA, MSc, PhD**

Personal Assistant: Sue Frampton

### **Sugar Beet Improvement and Production**

Programme Leader

**J D Pidgeon BA, MSc, PhD**

Biotechnology

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A M Mathews BSc

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Crop Production

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Honorary Lecturer in the School of

Biological Sciences, University of East

Anglia.

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M LeBloa

S Mitchell<sup>1</sup>

E Ober BS, MS, PhD

A Qi BSc, PhD

A R Royal

Weed Science

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H E Davidson<sup>1</sup> BSc

R A Horsnell<sup>1</sup>

K J Hudson

A M Wells<sup>1</sup> BSc

### **Sugar Beet Protection**

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B D C Freeman  
C Malnou

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G Erard (Nottingham Trent)  
A Lecourieux (Nottingham Trent)  
S Plantegenet (Nottingham Trent)

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Trainer  
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**CROP PERFORMANCE AND IMPROVEMENT**

Head of Division

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Deputy Head of Division (at Rothamsted)

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Personal Assistant: J McCarthy  
Divisional Secretary: S Adams

Deputy Head of Division (at Long Ashton)

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Secretary: V R Topps<sup>1</sup>  
S Richens<sup>1</sup>

**Developmental Genetics**

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D Edwards<sup>1</sup> BSc, PhD  
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G M Pastori PhD  
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C A Sparks BSc  
S H Steele HND  
J E Summers<sup>1</sup> BSc, PhD  
M D Wilkinson BSc, PhD  
I D Wilson<sup>1</sup> BSc, PhD  
H Wu BSc, MSc, PhD

**Signalling and Development**

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**Plant Products**

**P R Shewry BSc, BA, PhD, DSc, CBiol, FIBiol**

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J L Forsyth BSc, PhD  
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L V Michaelson BSc, PhD  
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J Steel<sup>1</sup>  
A S Tatham<sup>1</sup> BSc, PhD Research Fellow\*



C Toscano-Underwood BSc, DPhil  
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### Stress Biology

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### Assimilate Partitioning

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### Nutrient Acquisition

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C C Collins<sup>1</sup>  
L Hopkins<sup>1</sup> BSc, PhD  
J Howarth BSc, PhD  
J Jones  
B J Major<sup>1</sup> BSc, PhD  
A J Miller BSc, PhD  
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J MacMillan PhD, DSc, FRS

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Professor D Grierson OBE, FRS  
Dr N Harris  
Professor P J Lea  
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N N Shi PhD (China)  
Y Zhang BSc, PhD (China)

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D Chrimes  
B G Forde  
L Gomez (Argentina)  
Y Gong (China)  
F Greenwood  
G Y He (China)  
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S Kumar (India)  
D W Lawlor  
X Li (China)  
C Lu (China)  
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D Evans  
G Forbes  
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M A Jones  
S Lao BSc, MSc  
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A M Lopez  
S Marsh  
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C-L Palmer  
R V Palmer  
T K Pellny Dipl.Ing.agr  
S Prior  
F J Proud  
F Shephard  
W Skinner  
G Spano  
C Stanley  
E V Stavropoulos  
M Stone  
M Storm  
D Swarbreck BSc  
K L Tearall  
I E Wheeler  
H M Whitney  
P Wiley MChem, MSc  
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*Glasshouses, Controlled Environments  
and Amenity Areas (Long Ashton)*

#### Head R F Hughes<sup>1</sup>

D Clark<sup>1</sup>  
G S Harbard  
T J Pitman<sup>1</sup>  
J B Woodley<sup>1</sup>

## PLANT AND INVERTEBRATE ECOLOGY

*Head of Division*

#### I Denholm BSc, PhD, FLS

*Personal Assistant:* L Perryment  
*Secretary:* J Fountain

### Invertebrate Population Genetics and Ecology

#### I Denholm BSc, PhD, FLS

T Adamowicz  
L J Alderson  
C J Alexander<sup>2</sup> BSc  
S Baldwin<sup>1</sup>  
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J E Bater BSc  
R S Bennett<sup>1</sup> BSc, MSc  
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D M Cox  
M B Crockett  
C H Denholm BSc, MSc, PhD  
G J Devine BSc, MSc, PhD  
C Downe<sup>1</sup>  
K J Gorman  
P J Gould BSc  
B S Hackett BA  
M J Hall  
R Harrington BSc, PhD, DIC, ARCS  
A J Haughton BSc, PhD  
R Holdgate  
S L Horne  
L A Hughes<sup>1</sup>  
J A Hutcheon  
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T C Kruger  
S J Lovell<sup>1</sup>  
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A Moore<sup>1</sup>  
S J Parker  
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H P Rowcliffe<sup>1</sup>  
C R Shortall<sup>2</sup>  
M P Skellern  
A D Smith BSc  
E T Smith  
M S Taylor BTech  
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T West  
C W Wiltshire<sup>1</sup> FRES  
I P Woiwod BSc, ARCS  
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#### **Insect Behaviour**

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R W Piper<sup>2</sup> BSc, PhD  
R Potting<sup>1</sup> MSc, PhD  
A V Reed<sup>2</sup>  
T H Schuler DiplIng (FH), MSc, PhD  
P A Shah BSc, MSc, PhD, DIC  
A L Stevenson BA  
M T Torrance BSc  
J H Walker  
N Watts BTech  
I H Williams BSc, PhD *Professor at the Estonian University of Agricultural Science*  
J K Wilson<sup>1</sup>  
J F Wren<sup>1</sup>

#### **Plant Population Biology and Genetics**

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S L Harris<sup>1</sup>  
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N C B Peters<sup>1</sup> BSc, PhD *Research Associate\**  
A B Riche BSc  
C Riches BSc, MSc, PhD *Research*

*Association\*, Principal Scientist, NRI (attached)*  
M D C Ruiz-Martinez BA  
I F Shield BSc, PhD  
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N M Western  
G M White<sup>2</sup> BSc, PhD  
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N E Yates BSc

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Professor M Crawley  
Professor J Riley BSc, MSc  
Professor H F van Emden

#### *Lawes Trust Senior Fellow*

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A I Campbell MSc, PhD, NDH, MIHort  
J C Caseley BSc, PhD, MIBiol  
T A Smith BSc, PhD, DSc, MIBiol  
K G Stott BSc, MIFor

#### *Rothamsted International Fellow*

S Ekesi BSc, PhD (Nigeria)

#### *Visiting Scientists*

F Abdullah (Malaysia)  
C Agbogba (Senegal)  
J A Aleman-Martinez (Cuba)  
D Baker (Australia)  
J Bell  
K-H Cho (South Korea)  
D Dorman  
D Epstein  
Y Nakashima (Japan)  
D Philippou (Cyprus)  
A M Riley  
H Roy

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C G Armsworth  
H Barari  
J E Barker  
J D Blande  
A C Brown  
E Cant  
I Eleftherianos  
H El-Kady

A W Guzman Franco  
R Marshall  
M Pareja  
C Sanders  
T Santillan-Galicia  
S Shepherd  
A Sommer  
D J Warner  
J Willis

*Sandwich Course Students*  
T K Baldwin (Bath)  
L A Clark (Bath)

### Centre for Aquatic Plant Management (CAPM)

Broadmoor Lane  
Sonning-on-Thames  
Reading RG4 6TH

**J R Newman BSc PhD, CBiol, MIBiol, MCWEM, MRPPA (Aquatics)**, *Research Associate\**,  
*University of Reading*

*Secretary:* V Newman  
J F Ankerson<sup>2</sup>  
L C Boman<sup>2</sup>  
B A Caswell<sup>2</sup> BSc, MSc  
S L Clarke BSc  
N J Grieve BSc  
P Kaur<sup>2</sup> BSc, MSc, MPhil, PhD

*Experimental Husbandry*

### **J V G Donaldson<sup>1</sup>**

S D Dixon<sup>1</sup>  
L P Berry<sup>1</sup>  
J Hughes BEng  
A R Hughes<sup>1</sup>  
S E Tucker<sup>1</sup>  
M B Wilson<sup>1</sup>

### PLANT-PATHOGEN INTERACTIONS DIVISION

*Head of Division*

### **J A Lucas BSc, PhD, CBiol, FIBiol**

*Special Professor of Molecular Plant Pathology, University of Nottingham, Senior Research Fellow\**

*Personal Assistant:* S A Murdoch  
*Sp. Typist:* J A Gray

*Deputy Head of Division*

### **M J Adams BA, MSc, PhD, DIC**

*Honorary Professor, Zhejiang Academy of Agricultural Sciences, Hangzhou, China*

### Pathogen Population Biology and Disease Management

#### **J A Lucas BSc, PhD, CBiol, FIBiol**

C Bock<sup>1</sup> BSc, MSc, PhD  
J Butters<sup>1</sup> MSc  
H J Cools BSc, PhD  
L Davey BSc  
N Evans BSc, PhD  
B D L Fitt MA, PhD, DIC, *Special Lecturer in the School of Biology, University of Nottingham; Honorary Professor, Anhui Academy of Agricultural Sciences, China*  
S J Foster BSc, PhD  
B Fraaije PhD  
D F Henman BSc, PhD  
Y Huang<sup>2</sup> BSc, MSc, PhD  
A O Latunde-Dada BSc, PhD  
H A McCartney BSc, PhD, MInstP, CPhys, FRMetSoc *Honorary Professor, Anhui Academy of Agricultural Sciences, China*  
N I Nashaat BSc, PhD  
S R Piper<sup>2</sup> BSc  
N Siviter  
J M Steed BSc  
J A Townsend BSc  
J S West BSc, PhD  
B White

*Bio-imaging Unit*

#### **P Jones BSc**

R Carzaniga BSc, PhD  
B J Devonshire  
K Halsey BSc  
A N Holton  
R J O'Connell<sup>1</sup> BSc, PhD *Research Associate\**

### Wheat Pathogenesis

#### **K E Hammond-Kosack<sup>1</sup> BSc, PhD**

M J Adams BA, MSc, PhD, DIC  
J F Antoniw BSc, PhD  
G L Bateman BSc, PhD  
P Bowyer BSc, PhD  
W A J M Dawson<sup>1</sup> BSc, MSc, PhD  
V J Evans<sup>1</sup> BSc  
R J Gutteridge BSc  
J A Hargreaves<sup>1</sup> BSc, PhD *Research Fellow\**  
S C Jenkinson  
K Kanyuka BSc, MSc, PhD  
J P R Keon BSc, MSc *Research Associate\**  
D J Lovell

J Motteram BSc  
W Skinner<sup>1</sup>  
A Tymon BSc, MSc, PhD  
M Urban<sup>2</sup> PhD  
E Ward BA, PhD

### Nematode Interactions Unit

#### **B R Kerry<sup>4</sup> BSc, PhD**

S D Atkins BSc, PhD  
A D Barker BSc  
H L Cabrera PhD  
C M Cochrane  
S Costa<sup>2</sup> BSc, MSc  
R H C Curtis BSc, PhD  
K G Davies BSc, PhD, MIBiol  
K Evans BSc, PhD *Honorary Professor at the University of Coimbra*  
P A Gray BSc  
H Kalisz BSc  
H Jacobs<sup>2</sup> BSc, PhD  
M D Mallott<sup>2</sup> BSc, MSc  
R H Manzanilla Lopez<sup>2</sup> BSc PhD  
C O Morton BSc  
J A Rowe  
M D Russell  
A D Warry<sup>1</sup> BSc

### Soil Microbiology

#### **P R Hirsch BSc, PhD**

I M Clark BSc

*Lawes Trust Visiting Senior Fellow*

C H Opperman BSc, PhD

*Rothamsted Senior Fellows:*

Dr D Bird  
Dr C Caten  
Dr F M Dewey  
Professor C Godfray  
Dr S J Gurr

*Lawes Trust Senior Fellow*

Professor R T Plumb CBiol, FIBiol, FRGS

*Honorary Scientists*

G V Dyke MA  
D Hornby BSc, PhD, DSc  
J F Jenkyn BSc, PhD  
R N Perry, BSc, PhD  
J Waller BSc, PhD  
R D Woods

*Rothamsted International Fellows*

A Gulati BSc, PhD (India)  
S-Y Liu BSc, PhD (China)



Q Tahseen BSc PhD (India)

#### Visiting Scientists

R Awasthi (India)  
A Borges-Rodrigues (Spain)  
C Bravo (Belgium)  
I Cid del Prado Vera (Mexico)  
B Cullis  
Z Karolewski (Poland)  
H Kwasna (Poland)  
M Lacey  
F Parish (Brazil)  
K H Singh (India)  
C B Smith  
S Warokka (Indonesia)  
J Yoo (South Korea)

#### Postgraduate Students

K Alhudaib  
D Arkell  
S Bearchell  
G L Biran  
A Daudi  
M Eckert  
L Fennell  
J Fountaine  
S Gilbert  
L Gilliam  
I S Grasina Esteves  
K Maguire  
G McGrann

#### Sandwich Course Students

S M Forde (Nottingham Trent)  
P Shelley (Nottingham Trent)

### BUSINESS INFORMATION AND LIAISON DIVISION

#### Head of Division

**S James<sup>4</sup> BSc MSc**

Office Manager: M-L Burnett BSc  
Contracts Manager: T L Alger<sup>4</sup> BSc, MSc

R Hull<sup>2,1</sup>

#### International Liaison and PR

**S M Bolton<sup>4</sup> BSc, PhD**

Media and Liaison: E Bartlet BSc, PhD  
Secretary: B Vernon

#### Visual Communications Unit

**N Seymour LBIPP**

L M Castle  
M Cefai

P C Swatton BA

A J Wallace<sup>1</sup>

#### Long Ashton Scientific Liaison and Training

H M Anderson<sup>1</sup> BA, SDH, CBiol, MIBiol  
Secretary: C P P Cooke<sup>1</sup>  
Photographer: K J C Williams<sup>1</sup>

### Library and Information Services

**S E Allsopp<sup>4</sup> BA, ALA, DipLib**

#### (Institute Librarian)

A M Arnold BSc, DipInfSci  
C Fearnhead BSc, ALA, DipInfSci  
M E Johnston BA, ALA, DipLib  
A R Sykes BA, PGDip, MA  
A E Talbot  
E I Winning BA, DiplLib

M Harcourt-Williams (Archivist)

#### Long Ashton Library

**S Dawson BSc MSc (Site Librarian)**

B A Crocker<sup>1</sup>  
J M Hill  
R J Luft<sup>1</sup>  
M A Wade<sup>1</sup>

### Computing Services Group

**G E Harrison<sup>4</sup> BSc (Institute Computing Manager)**

Secretary: M Creighton  
N I Castells-Brooke BSc, MSc, PhD  
S D Cox  
P D Compton  
R N LeFevre BSc  
P A Havinden  
A B Hussain<sup>2</sup>  
D V Legg  
B P Makwana BSc  
I Mattinson BSc  
W J Moore BSc  
B Morgan  
S Patel BSc

#### Computing Department Long Ashton Head of Department

**A Johnstone**

P D Moody MIS  
M L Truman<sup>1</sup> CBiol, MIBiol  
M Wiles<sup>1</sup>

### ARIA

H M Anderson<sup>1</sup> BA, SDH, CBiol, MIBiol  
ARIA Co-ordinator: M-L Burnett BSc  
ARIA Membership Secretary:  
B Vernon

### Rothamsted International

(Developing Countries Activities, including Rothamsted International Consulting Ltd)

Chief Executive: **S James<sup>4</sup> BSc**

### MSc

Deputy CE: J Mann<sup>4</sup> BSc, MSc, PhD

#### Administrative support:

M T Orford  
K L Harwood

#### Fund Raising

A Borge<sup>1</sup>  
S A G Grand<sup>2</sup>

#### Volunteers

T Benbow  
S Fernandez  
K Howe  
L Orza  
J Wright

### FINANCE, FACILITIES AND HUMAN RESOURCES DIVISION

#### Head of Division and Institute

Secretary: **P S Thomas<sup>4</sup> FCA**

Assistant Secretary: **M J Truelove<sup>1</sup>**

### FCA

Secretary: C Gray<sup>1</sup>

### Finance

**A J Allan<sup>4</sup> BSc (Financial Accountant)**

**T O Pocock<sup>4</sup> MA, PhD (Institute Admin Computing Manager)**

**N C Skinner<sup>4</sup> MBA (Management Accountant)**

C E Cole  
A G B Crombie  
S C Cunningham  
P D Johnston<sup>1</sup>  
H L Jones<sup>1</sup>  
J C Lysaght  
L McGrath  
E R Marshall<sup>2</sup>  
C J Ridgewell  
S J Rolt  
C J O Winfield  
P A Wiseman  
B H Wright<sup>2</sup>

### Human Resources

Head of Human Resources: **A Jowett<sup>4</sup>**

Rothamsted HR Manager:

**J M Heggie**

S H Brooker

J Clark

A M Hurd<sup>2</sup>

S J Laidler

E L J Wallsgrove

### Purchasing Management

**R W M Lilley<sup>4</sup>** (Institute Purchasing Manager)

R J Barlow

S J Flay

M R Hylands

A-M McCann

K Sharma

R D Wiltshire

### Conference, Restaurant, Accommodation and Properties

Rothamsted Manor Ltd

**K B Bowen, General Manager**

Rothamsted Manor

M Grundy<sup>1</sup>

M D Hanley<sup>1</sup>

J A Haynes<sup>2</sup>

G A Healy

G Hughes<sup>2</sup>

A Major

L C Pollock

S Seaborn

K S Shields<sup>2</sup>

J A Watson

Rothamsted Conference Centre

O A Abere

Y A Anderson<sup>1</sup>

R A Arnold<sup>1</sup>

H M Cartmell<sup>2,1</sup>

A Fensom

N Graham<sup>2</sup>

S A McKeegan<sup>2</sup>

C V Minall<sup>1</sup>

S J Morrison<sup>2</sup>

C O'Keefe<sup>2</sup>

R H Woodford-Smith<sup>2,1</sup>

M A Woollard

### Safety

**C P Brookes<sup>4</sup>**

Secretary: J M Tuck

Visiting Workers

R Atkin

R H Clarke

A King

P Loveland

J H Stevenson

### Long Ashton Finance, Facilities and Human Resources

Head of Finance and Administration:

**J M de Borde FCMA**

Secretary: C M Scott

Finance

D K Davis

L E Hartley

A C Hendrick MAAT

R C G Willis

G A Wilton<sup>1</sup>

Human Resources

**F M Cowles Grad IPD**

J F Holmes

L J Roome

Safety

L R Saker BSc (Long Ashton Radiation Protection Supervisor – HS)

Post and Telephones

P Harris<sup>1</sup>

V E Johnson

Purchasing and Stores

W B Johnson

Refectory

J E Blakeway

J Y Rogers<sup>1</sup>

G H Schafer

Cleaners

C S Ambrose

S D Cherrington

B D Cheshire

C A Collins<sup>1</sup>

M K Cook<sup>1</sup>

J A Gray<sup>1</sup>

M Hughes<sup>1</sup>

N Jarvis<sup>1</sup>

M W Lewis

E J Sandford

### Facilities Department

Institute Engineer

**M J Hadlow<sup>4</sup> BSc**

### Rothamsted Facilities

Head: **M J Hadlow<sup>4</sup> BSc**

Station Engineer: **K Law I Eng MIEE,**

**AMCIBSE**

Admin: P M Evans  
S Leaper<sup>1</sup>

Building Services

**M Mooring** (Building Supervisor)

T R Chalkley

T F Dimmock<sup>2</sup>

T J Hucklesby

K A Rowe<sup>2,1</sup>

Security

**N B Maud** (Security Supervisor)

M W Brown

S Harvey

B P Haward

P J Hughes

Technical Support Services

**A J Flay** (Technical Support Services Manager)

M C Byrne

A J Fox

R Garnett

**A G Hobbs** (Development Supervisor)

D Hardwick

R Horsler

N Maher

**T D Edwards** (Electrical and Mechanical Services Supervisor)

B J Newins (Vehicle Technician)

D G Reader

G J Wright

**R L Humphreys** (Refrigeration/CE Supervisor)

R W French

R Greener

Post and Telephones

E Godfrey

P E M Hanson<sup>2</sup>

P M Hull

W V McGrath<sup>2</sup>

C A Weston

*Site Redevelopment Project*

**R J Taberer, MI Plant E** (*Projects Engineer*)  
R J Mahoney (*Clerk of Works*)

*New Laboratory Project*

**S Takla BSc, BArch, MSc, RIBA** (*Project Manager*)  
C van de Putten MSc (*Assistant Project Manager*)  
Admin Support: K L Morris

**Long Ashton Facilities**

Head: **M R E Williams**  
Deputy: S C King FSc,  
CEng, MIEE  
Office Administrator:  
L C Lasseter<sup>1</sup>

*Building*

R M Jones<sup>1</sup>  
C R Lloyd

*Electrical Engineering*

**C J King**<sup>1</sup>

*Mechanical Engineering*

D W Newman  
P J Arnel<sup>1</sup>

*Instruments*

**R S Cole**<sup>1</sup> **IEng (CEI), MIMechE**

*Electronics*

**B Kelly**<sup>1</sup>  
R Hill<sup>1</sup>

*Controlled Environment*

**P R Turner**<sup>1</sup>

*Transport*

**K Rudd**<sup>1</sup>  
M A Ward<sup>1</sup>

**FARMS**

Head of Farms: **C G Peters, BSc**  
Secretary: A E Talbot

*Quality Assurance*

P A Cundill  
D P Yeoman BSc

*Rothamsted Farm*

**G N Talbot**  
M O Gardner  
M W Egginton<sup>1</sup>  
C J Hall  
T Hall  
M N Rogers  
K L Sykes BSc  
P J Tuck

*Farm workers*

F D Ledbury

*Woburn Farm*

**A M Hunt**  
T J H Battams  
P M Pope

**HORTICULTURAL AND CONTROLLED ENVIRONMENT**

*Head of Department*

**J Franklin BSc**

*Personal Assistant:* D P Dawkins

*Controlled Environments*

**I Pearman BSc**

R J Burningham<sup>1</sup>  
L J Dawson  
A S Griffin  
R G Parkinson

*Glasshouses*

**A J Callewaert**

F Gilzean  
S C Harvey BA  
A W Jones  
J A Maple  
K Plumb HNC  
M Preston

*Grounds*

**W W Bothwell**

E J Blackie  
K M Cole<sup>2</sup>  
M G Picton  
K E Rydlewski

*Manor Gardens – Volunteer*

H Oliver

**Long Ashton**

**MSc Course in Crop Protection**

**N J Pinfield BSc, PhD** *Senior Lecturer, Biology Department (Course Director)*

*Intake Students 2001/2002*

L Ashby  
R Collins  
O Domfeh  
F Gonzalez Arizmendi  
J Melichar  
H Pinfield-Wells  
C Poulter  
B Swale  
C Wright  
M-L Yap

<sup>1</sup> Left during 2002/2003

<sup>2</sup> Appointed during 2002/2003

<sup>3</sup> Deceased

<sup>4</sup> Staff with functional responsibilities throughout the Institute

\* Academic status at Bristol University