



List of Papers

James Watson Munro
1888–1968

Imperial College Archives

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IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

(University of London)

JAMES WATSON MUNRO

1888 - 1968

LIST OF PAPERS

Compiled by J Pingree

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IMPERIAL COLLEGE ARCHIVES

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C O N T E N T S

Introduction	v
A Imperial College:	
B Committees	1
C Department of Scientific and Industrial Research	2
D General correspondence	3
Appendix	18
Index	19-34

I N T R O D U C T I O N

James Watson Munro 1888-1968

J W Munro was educated at the High School, Dundee, and Edinburgh University. He was appointed Assistant Professor of Entomology at Imperial College in 1926, and Professor of Entomology in 1930.

In 1934 the Entomology and Zoology departments at Imperial College were united and he became Professor of Zoology and Applied Entomology, holding this post until his retirement in 1953.

The papers listed here were transferred to the archives from the Imperial College Field Station, Silwood Park. They are contained in five boxes and the reference number is KZB MUNRO. Other relevant material in the archives is listed in the appendix.

J Pingree, College Archivist
December 1986

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A IMPERIAL COLLEGE

- A 1 1936-61 Reports on the Department of Zoology and Applied Entomology. One file.
- A 2 1931-38 Stored products research. Papers on the establishment of the Biological Field Station, Slough (commonly called 'Hurworth') by the Empire Marketing Board, financial statements, lists of staff. One file.
- A 3 1940-42 Correspondence with Dr H J T Ellingham, Acting Secretary of Imperial College, on administration and staff matters. One file.
- A 4 1937-54 Staff: appointment, research, deferment etc. Papers relating to Drs F Y Henderson and O F Lubatti; head gardeners, etc: correspondence with H W Buston, on M G Chakravarti's thesis: grain storage. One file.
- A 5 1940-42 Air Raid Precautions; incendiary bomb at Slough; fire-watching duties. One file.

B COMMITTEES

- B 1 1945 CAC
Letter from L Lord, Colonial Office, and statement (5ff) by J W M at meeting. 2 items.
- B 2 1942-45 BIOLOGY WAR COMMITTEE
Minutes of meetings and correspondence with the Hon. Sec. G E Blackman. Memorandum on domestic insect pests under conditions of war, 1943. One file.
- B 3 1930-34 EMPIRE MARKETING BOARD Advisory Committee on Infestation of Stored Products
Scheme for fumigation experiment on cocoa. One file.
- B 4 1939-46 FORESTRY COMMISSION. Committee on Ecological Reserves
Circular letters: letter to the Commission from H R Hewer, 1946. 6 items.
- B 5 1936, 37 MEDICAL RESEARCH COUNCIL. Bed-bug Committee.
Report by Dr Page on work in progress. 5 items.
- B 6 1938-42 PEST CONTROL RESEARCH COMMITTEE
Correspondence with E H Rodd, ICI Dyestuffs Division, Manchester. Draft scheme for organisation of countrywide disinfection of stored food stuffs: Selenium in pest control. Memorandum by K J Sinclair. One file.

KZB MUNRO

C DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH

- C 1 1928-41 FOREST PRODUCTS RESEARCH LABORATORY
Correspondence with Ronald C Fisher, W B Robertson,
Ralph S Pearson. Report on visits to timber yards etc
in Glasgow, 1928 by R C Fisher: letter to TIMES on
deathwatch beetle 1937; report on insects in
sandbags, 1939: One file.
- C 2 1931-40 Correspondence with A L Hetherington on grants to
students: Miss Kennelly, Miss M J Smieton, Mr A J
Musgrave, H B N Hynes, A B Hadaway, Miss D M S Brown,
J A Downes. One file.
- C 3 1936-41 Correspondence with Eric Barnard. Pest infestation of
grain: control of weevil and other insects: Australian
grain products etc; schemes for fumigation; details
of technical officers, 1939. One file.
- C 4 1936-37 Memorandum on stored products research. One letter
from Sir Frank Smith. 6 items.
- C 5 1938-42 General policy. Correspondence on Professor Munro's
official position and relationship to the Department.
Memorandum on work of the Field Station, 14 December
1948. Audit on scientific work in progress of the
Pest Infestation Laboratory, 12 May 1941. One file.
- C 6 1938-41 Correspondence with H S Lloyd on food storage and
warehouse control: rice conversion process: Elton's
work on rats for the ARC: Australian Dried Fruits
Board. One file.
- C 7 1938-43 Correspondence with C Jolliffe on pest infestation of
stored food products: Committee on Grain Infestation:
occurrence and control of weevils. One file.
- C 8 1939-44 Correspondence with the Establishment Officer and
others on staff. One file.
- C 9 1939-45 Correspondence with Sir Edward Appleton; relationship
with the Department and position of J W M and his
research laboratory: work for Ministry of Food.
One file.
- C 10 1939- Correspondence with E B Basden on work at Slough.
16 items.
- C 11 1939 Correspondence with Dr F Kidd. 4 items.
- C 12/1 1940-44 Correspondence with Eric Barnard; 'General policy'.
Details of the Pest Infestation Laboratory staff,
November, 1940. One file.

KZB MUNRO

- C 12/2 1940-41 Correspondence with Eric Barnard and memoranda on insecticidal sprays, including Pyrethrum. One file.
- C 13 1940 Applications for maintenance allowances. One file.
- C 14 24/11/44 Memorandum to H Woolridge on 'The economic importance of the entomology of stored products'. 2 items.

D GENERAL CORRESPONDENCE

- DA 1 3/8/46 AGARWAL, S B Patna
Enquiry about admission to Imperial College. One item.
- DA 2/1,2 March 1943 AGNEW, Leslie R C. Glasgow
Letter enquiring about research of G B Howes and reply.
- DA 3/1-9 1934-37 AHMAD, Nazir (1905-) RCS 1934-36
Discussion of work for thesis; examination, testimonial, etc. 9 items.
- DA 4/1,2 1935 ALLEN, E J. Marine Biological Association of the United Kingdom. Requests for testimonials for K S Hocking, D E G Kennard and A J Musgrave. 2 items.
- DA 5/1-10 1939, 45 ANGLO-IRANIAN OIL COMPANY. (A E Dunstan, D A Howes)
Enquiries about samples: arrangements for visits etc. 10 items.
- DA 6/1 1938 ARMY SUPPLY RESERVE DEPOT, Deptford
Enquiry about disinfestation of stored food stuffs. 2 items, and enclosure.
- DA 7 1940- ASSOCIATION OF APPLIED BIOLOGISTS
Arrangements for meetings at Imperial College with W P K Findlay Hon. Sec.; includes printed notices of meetings. 11 items.
- DA 8 1944 ASSOCIATION OF BRITISH INSECTICIDE MANUFACTURERS
Two letters from Allan J Holden and reply.
- DA 9 1938 ASSOCIATION FOR THE STUDY OF SYSTEMATICS IN RELATION TO GENERAL BIOLOGY
Questionnaire with reply.
- DA 10 1940-41 AYYAR, E S Narayanan (Agricultural Research Institute, New Delhi)
Two letters on thesis: war damage to Huxley Laboratory, request for testimonial.

KZB MUNRO

DA 11 1938-45 AZAB, Ahmed Kamel (1907-) RCS 1937-42
 Arrangements to meet Dr W H Thorpe, Cambridge
 University; letter of introduction for Abd-Elkalik
 Wafa. 7 items.

DB 1 1938-39 T D BAILEY and Sons, Grain Merchants
 Correspondence with W McA Gracie and others: enquiry
 about membership of the Standing Conference on
 investigation of grain infestation: possible patents
 for Portuguese gas steriliser process for fumigation.
 One folder with packet of photographs.

DB 2 1940 BAKER, John R Oxford University Museum
 Proposed research on effect of insecticides on
 acarines. 2 items.

DB 3 1942 BALFOUR-BROWNE, J
 Enquiries about possible jobs. 2 items.

DB 4 1946 BARNES, B Chelsea Polytechnic
 Enquiry about Dr Barnes' course in Applied Entomology.
 3 items.

DB 5 1936 BEVERIDGE, William. 1st Baron (1879-1963)
 Copies of three letters to and from Lord B on food
 storage and infestation.

DB 6 1934-35 BLISS, C I University College
 Application for Squibb Scientific Fellowship. Letter
 from R A Fisher, 30/11/39. One file.

DB 7 1936-42 BRAYBROOKE, F H
 Pyrethrum sprays etc. 8 items.

DB 8 1943 BRITISH OVERSEAS AIRWAYS CORPORATION
 Correspondence with Col. F P Mackie, Chief Medical
 Officer, on Pyrethrum sprays, sparklet apparatus for
 control of mosquitoes in aircraft. 6 items.

DB 9 1946-47 BROADHEAD, Edward. (1920-)
 Application for lectureship at Imperial College.

DB 10 1946 BROUGH, James
 Request for advice on appointments in his department at
 University College, Cardiff: Eric Berry Edney, G I
 Jefferson, W A L Evans. 4 items.

DB 11 1937-38 BRYANT AND MAY
 Copies of correspondence with the Forest Products
 Research Laboratory on grub infestation in timber.
 11 items.

KZB MUNRO

- DB 12 1938 BURNETT [P] J M. Jealott's Hill Research Station
Report on consignment of potatoes from Cyprus,
infested with potato tuber moth. 1 item.
- DB 13 1941-42 BUTLER, P M University College, Exeter
Opportunities for work on Coenocorse. 4 items.
- DC 1 1933 CADBURY BROS. (A V Knapp)
Climatic data of Cocoa Bean storage. 6 items.
- DC 2 1939 CAMBRIDGE UNIVERSITY HORTICULTURAL RESEARCH STATION
(D Boyes)
Wright's research on grain weevil. 3 items.
- DC 3 1942 CAMERON, A E Edinburgh University
Stored products insects in Scotland. 2 items.
- DC 4 1945 CAMERON,
Enquiry about possible job after retirement from
service in the Sudan. 1 item.
- DC 5 1942 CANNON, E Graham University of Manchester
Enquiries about possible staff. 5 items.
- DC 6 1936 CASSELLS, John and Francis. Solicitors
Infestation of timber in St. Andrew's Church, Falkirk.
7 items.
- DC 7 1940-41 CHIBNALL, Alfred Charles
Proposed research for Buston and Jacobs: importance of
insect chemistry. 8 items.
- DC 8 1935 J and J COLMAN
Fumigation of cereal products. 5 items.
- DC 9 1939-40 COLONIAL FOREST RESOURCES DEVELOPMENT DEPARTMENT
(John R Cosgrove)
Timber insecticides and termite infestation. 3 items.
- DD 1 DAVIES, Richard Gareth (1920-) RCS 1937-41. Staff
1948- War work. 5 items.
- DD 2 1935 DEPARTMENT OF OVERSEAS TRADE (G H Jeans)
Insect pests in wood packing cases. 2 items.
- DD 3 1938-39 DISTILLERS Co. (J Vargas Eyre)
Manufacture of ethylene oxide; supply needed by
Australian Dried Fruits Board. 4 items.
- DD 4 1940-42 DOWNES, John Antony (1914-) RCS 1932-37 University
of Glasgow
Teaching and research work at Glasgow and collaboration
of British and American research workers. 4 items.

KZB MUNRO

- DD 5 1947 DRIVER, Cyril
Covering letter from J W M for note on insect pests by
E O Pearson.
- DD 6 1947 DRUMMOND, Sir Jack Cecil (1891-1952)
Visit to Silwood Park. 5 items.
- DD 7 1943 DRUMMOND, James Montagu Frank (1881-1965). Manchester
University
Weevil infestation of guinea corn. 3 items.
- DD 8 1945 DUGGAN, J B
Purchase of Field Station: work for MSc degree.
5 items.
- DE 1 1940-47 EASTHAM, Leonard Ernest Sydney (1893-1977). Sheffield
University
Research on Calandra weevils: F Segrove's essential
work: quince jam: Hadaway's thesis. 23 items.
- DE 2 1937-40 EDINBURGH UNIVERSITY. (Sir T Hudson Beare)
R C Fisher's DSc degree in Forestry. 4 items.
- DE 3 1945 EDNEY, Eric Berry (1913-) RCS 1934-36
Application for Colonial research fellowship.
- DE 4 1936-48 EGYPT. Ministry of Education
Advice on fumigation plant to be erected under
supervision of Muhammed Shafik: progress of student
Ahmed Kamel Azab. 12 items.
- DE 5 1942 EKE, Alexander Frederick (1912-)
Copies of correspondence between W P Caro, Australian
Dried Fruits Board, and the Ministry of Food on the
deferment for national service of A F Eke, vermin
destroyer on the Board's staff. 5 items.
- DE 6 1939-45 ELTON, Charles Sutherland (1900-)
Rat and rabbit control problem: proposed work of the
Oxford University Bureau of Animal Population, and
copies of letters to Sir Edwin Butler: salary for work
of H R Hewer. 17 items.
- DE 7 1936, 37 EMPIRE FORESTRY ASSOCIATION
Review for the Forestry Commission Bulletin no. 16 on
'Studies on the Pine Shoot moth;' review of R N
Chrystal, 'Insects of British woodlands' (F Warne).
3 items.
- DE 8 1930- EMPIRE MARKETING BOARD
Correspondence with E M H Lloyd and Sir Stephen
Tallents on infestation of Sierra Leone Kola: Gold

- Coast cocoa storage; Leverhulme Trust fellowship for Dr Page: UGC report on Slough and its external funding. 20 items.
- DE 9 1939-47 ENGLETON, Sir Frank Leonard (1890-)
 Long storage and baking capacities of English wheat: copies of correspondence with F L E and J A Scott-Watson on agricultural training for George Boscawen, third son of Lord Falmouth. 14 items.
- DE 10 1935, 40 EVANS, John A. Department of Agriculture, Hobart, Tasmania
 Requests for reprints, accounts of his work. 2 items.
- DF 1 1940 FIJI Department of Agriculture
 Infestation of New Guinea copra by Ephestia elutella (cocoa moth). 1 item.
- DF 2 1940 FORD, Edmund Brisco (1901-)
 Research on genetics of Ephestia. 3 items.
- DF 3 1945-46 FRANKLIN, Mary I
 Copies of correspondence with O F Lubatti on fumigation of infested potatoes. 5 items.
- DF 4 1939-46 FREEMAN, Paul (1916-) RCS 1934-38
 War service: conditions in Belgium. 8 items.
- DF 5 1939 ERNST FREYBURG. CHEMISCHE FABRIK DELITIA DELITZSCH
 'Delizia' process for disinfection of grain. (In German and English). 5 items.
- DG 1 1939 GLOVER, W S. Cooperative Wholesale Society
 Fumigation of barley; use of CWS Laboratory. 5 items.
- DG 2 1941-42 GORDON, Rupert Montgomery (1893-1961)
 Treatment of scabies; enquiry about Miss Winifred M Noyes. 5 items.
- DG 3 1939 GRAHAM, Alan
 Disinfestation of processionary caterpillars in Cyprus.
- DG 4 1936-41 GRAY, Sir James (1891-1975)
 Flight Committee: enquiry about E B Basden: use of University staffs for research on food stuffs and infestation of stored products, wheat etc. 33 items.
- DG 5 1938 GREAT WESTERN RAILWAY
 Infestation of stored grain. 2 items.

KZB MUNRO

DG 6 1934 GREEN, Thomas Leslie (1904-). RCS Staff 1929-33
Application as candidate for PhD; 'A provisional scheme
for instituting a course in insect physiology', memo.
11ff. MS. 4 items.

DG 7 1939-41 GUNN, Donald Livingston (1905-) University of
Birmingham
Research on *Ptinus tectus*: Gray's circular on
University staff: application for Birmingham chair.
14 items.

DH 1 1939-47 HALDANE, John Burdon Sanderson (1892-1964)
Hans Stefan Hopf's thesis: courses on genetics.
9 items.

DH 2 1943 HAMILTON, J F
Naturalist's Department, Falkland Islands
Fumigation of *Ptinus tectus*. 1 item.

DH 3 1940-44 HARDY, Sir Alister (Clavering) (1896-)
Gray's request for P G Espinasse; to undertake research
on *Demestes*; move to Aberdeen; deferment of staff:
position of Dr Sang and arrangements for Lucas and
Stubbings. 14 items.

DH 4 1937 CHAS. HEARSON AND CO.
Estimates for incubator repairs. 3 items.

DH 5 1943-44 HEATH, Sir (Henry) Frank (1863-1946)
Asks for advice on sister-in-law's godson: insect
infestation of food. 6 items.

DH 6 1932-36 HEERDT, W. Frankfurt
Supply of ethylene oxide and carbon dioxide: Dr Page's
visit to Germany: letters from Professor Dr Theodor A
Maass, asking for work in England (with photograph).
19 items.

DH 7 1942 HENDRICK, James (1867-1949)
Comments on report on Walter Moore. 1 item.

DH 8 1941-43 HENTSCHEL, Christopher Carl (1899-)
Chairmanship of the Board of Studies: Azab's thesis.
5 items.

DH 9 1932-33 HEWER, D G Miss Herb Farm, Sevenoaks
Advice on fumigation of infestation of *Ephestia*
elutella. 10 items.

DH 10 1931-32 HIGH WYCOMBE AND DISTRICT FURNITURE MANUFACTURERS
Investigation into House Mite (*Glycyphagus*
domesticus). 3 items.

KZB MUNRO

- DH 11 1938-40 HILL, Roy Philip (1916-) RCS 1935-39
Potential method of age determination of mammalia:
survey of rat infestation of grain and other stored
products in LNER warehouses (memo, 1938, 14pp.)
testimonial for post of Pest Officer. 9 items.
- DH 12 1940-41, HINDLE, Edward (1886-1973)
1947 Appointment of J A Downes to post at Glasgow
University: Lowenstein and research on insecticides:
letter to J W M from J A Downes on the Infestation
Division of the Ministry of Food. 11 items.
- DH 13 1940-42 HOBBS, B M Hope Department of Entomology,
Oxford Museum
Entomological research for the war effort; Psocid
nutrition investigation: work on Liposcelis
divinatorcus. 10 items.
- DH 14 1942-46 HOCKING, Brian (1914-) RCS 1933-37. Indian Army
Ordnance Corps
Bamboo borers: enquiry about Dinoderus minutus;
testimonial for B H from H R Hewer. 7 items.
- DH 15 1940, 42 HODSON, William Edgar Humphreys (1900-) RCS 1919-22
Enquiries about fumigation of barley weevils: plague of
cockroaches. 4 items.
- DH 16 1942-44 HOGBEN, Lancelot (1895-1975) University of Birmingham
Research for the war effort; enquiry about Silvanus
and Forbes Robertson's research: letter from Miss M R
Morgan with testimonial from L H: proposal [for J W M's
Fellowship of the Royal Society,] by Wigglesworth.
13 items.
- DH 17 1937-40 HOME OFFICE.
Naturalisation of Hans Stefan Hopf and Dr G Fraenkel.
10 items.
- DH 18 1938-39 HOME OFFICE. Air Raid Precautions Department
Insect infestation of sandbags: comments on fleas,
mosquitoes, grain weevils and flour beetles. 4 items.
- DH 19 1937-42 HOPF, Hans Stefan (1913-) RCS 1934-37
Testimonials from J W M: financial assistance from the
Society for the Protection of Science and Learning.
22 items.
- DH 20 1935-39 HOPKINS, Sir Frederick Gowland (1861-1947)
Memo by J W M on the Slough Biological Field Station:
accommodation for research worker Trim: photograph from
'Nature' 4 June 1938. 6 items.
- DH 21 1940-42 HOPKINS, R H Birmingham University
Fumigation of barley with ethylene oxide; cooperation
in research. 5 items.

KZB MUNRO

- DH 22 1940-42 HORTON-SMITH, Clifford (1902-) RCS 1930-31:
Staff 1933-37
Arrangements for PhD thesis: enquiry about humidity
ovens; 'hush-hush work on flight,' preliminary report
on bird flight and MS notes on 'speed'. 9 items.
- DH 23 1944 HURST AND SON (V L Roscoe) Wholesale seed merchants
Enquiry about mites in seed and means of fumigation.
8 items.
- DH 24 1935-45 HUXLEY, Sir Julian Sorrell (1887-1975)
G Fraenkel's application as corresponding fellow of the
Zoological Society: enquiries about relocating staff;
arrangements for discussion on control of pests in
wartime. 13 items.
- DH 25 1941-43 HYNES, Hugh Bernard Noel (1917-) RCS 1934-38
Award of Colonial Agricultural Scholarship; training in
Trinidad: Colonial Service appointment in Ethiopia.
4 items.
- DI 1 1936-44 IMMS, Augustus Daniel (1880-1949). Cambridge
University
Miss G M Herford's application to the Royal Society;
account of DSIR committees etc on infestation of
foodstuffs; fields for research; information about
Carpophilus beetles; vacant posts for entomologists,
reservation of A D Lees. 25 items.
- DI 2 1937-39 IMPERIAL AIRWAYS LTD (Col. F P Mackie)
Use of insecticides in aircraft: proposals for research
at Imperial College. 13 items.
- DI 3 1937-40 IMPERIAL MYCOLOGICAL INSTITUTE. (F S Ashby and E W
Mason)
Research on Nematosporea: testing of insecticides.
8 items.
- DI 4 1941-45 IMPERIAL CHEMICAL INDUSTRIES. Jealott's Hill Research
Station
Correspondence with staff, E Holmes and others; control
of grain weevil. Miscellaneous enquiries and
information on insecticides: memorandum on sticky
banding. 14 items.
- DI 5 1936 INDIA. Office of the Imperial Entomologist (H S
Pruthi)
Biological standardisation of insecticides and
fumigants in India. 3 items.
- DI 6 1939-42 INSTITUTE OF BREWING
Correspondence with Sir G T Morgan, chairman, Research
Fund Committee, and others: fumigation of barley: use

- of hydrogen cyanide: destruction of Brewers' Hall.
17 items.
- DI 7 1942 INSTITUTE OF PHYSICS
Joint Committee of Scientists; one joint letter from
Sir W L Bragg and Sir J J Fox, with enclosure arrange-
ments for meeting. 2 items.
- DI 8 1937-42 JEFFREYS, Frances Jean (Mrs H D Jordan). RCS 1938-39
Enquiry about study for PhD and testimonial: marriage
to a student of Professor Braude. 3 items.
- DK 1 1941 KEEN, Sir Bernard Augustus (1890-1981). Rothamsted
Experimental Station
Broadcast on 'the protection and storage of foodstuffs'
in the Science and Gardening programme for schools,
9 June 1941; demonstration of fumigation methods.
7 items.
- DK 2 1941 KENNEDY, John Stodart (1912-) RCS Staff, 1968-77
Enquiry about work at Slough. 2 items.
- DK 3 1947 KEW, Royal Botanic Garden
Correspondence with the Curator, W M Campbell, about
gardening staff for Silwood Park; appointment of E H
Bourner. 11 items.
- DK 4 1938-40 KHAN, Mohammed Qadiruddin. RCS 1936-39
Testimonials; valuable work on genus Calandra
5 items.
- DK 5 KLAUS, Jan
One letter 5 August 1938 from Czech emigrant chemist
asking for place to research on an insecticide he has
invented, in German.
- DK 6 1944 KREGOR, M B. Industrial Pest Control Association
Invitation to a meeting; his son-in-law's career.
3 items.
- DL 1 1939, 43 LAVINGTON STUD, Petworth (Brig. Gen. A J Turner)
Weevil infection of stored oats. 6 items.
- DL 2 1936-40 CHARLES LENING AND CO LTD (G D Kirsopp)
Research grant for the investigation of Lethane as
insecticide against Bed-bugs and insects infesting
stored products; aeroplane disinfection. 17 items.
- DL 3 1939 LONDON CHAMBER OF COMMERCE. Tobacco Trade Section
Ephestia elutella sub-committee: use of Pyrethrum
powder and vacuum fumigation for stored tobacco. Two
letters with enclosures and reply from J W M. 3 items.

KZB MUNRO

- DL 4 1935 LONDON INTERNATIONAL PRESS LTD
Letter from Stuart E P Atherley with drafts of article by J W M on 'insect enemies of storage' referring to work at Slough for the Empire Marketing Board and Australian Dried Fruits Board. 3 items.
- DM 1 1932-41 MCKINNON, Doris Livingston (d.1956). King's College London University
Testimonial for laboratory assistant, Leonard Farrow; difficulties with K S Viswanathan's course of study; deferment of military service for Paul Hewlett. 11 items.
- DM 2 1939 MACMENIGALL, W H Durban, S. Africa
Correspondence on patent specification for an unproved method of, and means for, preserving perishable substances [stored grain etc] newscuttings. 6 items.
- DM 3 MAURITIUS. Department of Agriculture, Reduit. (G E Bodkin, Director)
Control of tobacco weevil by fumigation; progress report on the research and practical work on control of Lasioderma serricorne F., by W F Jepson. 2 items.
- DM 4 1943 MILES, Herbert William Bristol University
Enquiry about possible post for Austin Stringer in J W M's department. 3 items.
- DM 5 1943 MINISTRY OF AGRICULTURE AND FISHERIES. (R G R Wall)
Fumigation treatment for infected harvest bean seed. 4 items.
- DM 6 1941-42 MINISTRY OF FOOD
Emergency feeding, letters and sample invoices. 19 items.
- DM 7 1941-44 MINISTRY OF FOOD
Correspondence with Sir A E Feavearyear and others. Infestation of foodstuffs: Dr Page to be invited to join DSIR Pest Control Committee: Infestation Order 1943. 10 items.
- DM 8 1941-47 MINISTRY OF FOOD
Correspondence with J H Jolliffe, Sir A E Feavearyear, Sir H L French and others on staff titles, appointments etc. including H R Hewer, A B Page, Sir S W Bailey. 23 items.
- DM 9 1941 MINISTRY OF FOOD. Imported cereals division (D R Thom)
Need for facilities for research into infestation of grain by Ephestia elutella. 7 items.

KZB MUNRO

- DM 10 1941-42 MINISTRY OF FOOD
Correspondence with J H Jolliffe: fumigation of ships: copies of correspondence with the Glasgow Port Area Grain Committee; fumigation of wheat in Canada. One file.
- DM 11 1942-47 MINISTRY OF FOOD. Infestation Branch (W Mc Gracie)
Testing of insecticides and equipment; economy on use of pyrethrum, and importance of Page's work; Farrow's deferment; postgraduate course in applied entomology; J W M's position as independent adviser to industry; Hewer's release; Miss N Waloff's unique work: experimental work on Ephestia elutella; fumigation of dried fruit with methyl bromide; and difficulties of cooperation between the college and the Ministry. One file.
- DM 12 1944 MINISTRY OF FOOD
Covering letter from A F L O'Farrell for letter to Miss Winterbotham APCS Group Secretary on 'APCS plans for postwar organisation of Infestation Division'. 2 items.
- DM 13 1947 MINISTRY OF FOOD. International Policy Division.
(C J Boosey)
Information on wastage of stored food for Food and Agriculture Organisation of the United Nations (FAO). 6 items.
- DM 14 1933-39 MINISTRY OF HEALTH
Ship fumigation; offer to help in war effort. 7 items.
- DM 15 1939-41 GEO. MONRO LTD.
Cyanide fumigation of grain and 'Cyanogas'. 8 items.
- DM 16 1944-45 J REILL MORTON AND CO. Produce Brokers
Weevil damaged Sudan dum-nut blanks (ivory nuts); report by J W M: infestation with Cocotrypes and effect of prolonged storage of accumulated produce. 9 items.
- DM 17 1938-39 H C MOSSOP. Solicitor and Colonial Commissioner
Report on Lemon's apparatus for freeing maize from insect pests, 15 pp; J W M's comments. 8 items.
- DN 1 1939 NASH, Thomas Arthur Manly (1905-) RCS 1923-27
Letter from G V B Herford to T A M Nash with memorandum on the protection of foodstuffs from insects, by J W M and M Page. 2 items.
- DN 2 1945 NATIONAL CIDER INSTITUTE. (Dr B T P Barker)
Supply of champagne cider to Imperial College. 10 items.

KZB MUNRO

- DN 3 1941-42 NEILL, R M. Aberdeen University
Enquiry about Miss E C Souter. 8 items.
- DP 1 1935 PARLIAMENTARY SCIENCE COMMITTEE
Aims and objects of the society: extracts from HANSARD,
1934. 3 items.
- DP 2 1938-40 PARSONS, S F Pest Control Department Cotton Experiment
Station, Transvaal. (Empire Cotton Growing
Corporation) Account of work and research in South
Africa; copy of paper 'Investigation in South Africa on
the cotton bollworm, Heliothis armigera, Hubn'. 26pp.
9 items.
- DP 3 1940 PENGUIN BOOKS
Errors in 'Science and war'. 6 items.
- DP 4 1942-43 PHILLIPS, J S
Reference; notes on anti mosquito measures for service
personnel. 4 items.
- DP 5 1933-35 PICKLES, Alan Imperial College of Tropical
Agriculture, Trinidad
Letter and copy of draft paper on the effect of
independent host mortality on the efficiency of
parasitic control; storage of black-eye peas. 3 items.
- DP 6 1940 PLENDERLEITH, Harold James (1898-)
Enquiry about 'Protelaine' (moth proofing substance).
3 items.
- DP 7 1942 POLUNIN, Nicholas (1909-)
Copy of letter from N P and reply from J W M on the
effect of poisonous gases on fungi. 3 items.
- DR 1 1939 RADIUM BEAM THERAPY RESEARCH (L G Grimmett)
Correspondence with G V Herford; method of control of
rice weevil with high intensity X rays. 7 items.
- DR 2 1939 RAT SOURIS (C D Hornby)
Testing of insecticides. 5 items.
- DR 3 1937-39 RED RAY CO.
Process for destruction of pest with 'Z' ray.
13 items.
- DR 4 1940 THE RHODES TRUST
Enquiry about E B Edney. 4 items.
- DR 5 1942-44 ROCKEFELLER FOUNDATION
Enquiry about Dr Fraenkel. 6 items.

KZB MUNRO

- DR 6 1934 ROOZENDAAL, B Garreck-Institute, Haarlem
Fumigation for Bed-bugs etc. 5 items.
- DR 7 1944- ROWNTREE AND CO.
Enquiry about DDT. 4 items.
- DR 8 1942 ROYAL AIR FORCE
One letter: subjects for study for personnel on
balloon sites. 1 item.
- DR 9 1939 ROYAL COMMISSION FOR THE 1851 EXHIBITION (Sir Evelyn
Shaw)
Enquiry about candidates for Science Research
Scholarships: B P Beirne and another. 4 items.
- DR 10 1936-37 ROYAL SOCIETY OF ARTS
Typescript of paper 'Insect damage to Empire products';
award of silver medal. 6 items.
- DS 1 1933 ST. PANCRAS PUBLIC HEALTH DEPARTMENT and other local
authorities
Enquiries on disinfestation of verminous houses.
9 items.
- DS 2 1939 SCHERING LTD
Testing of insecticides; use of their product 'Anox'.
9 items.
- DS 3 1932 SCOTT, Sir Giles Gilbert (1880-1960)
Problem of decayed timber in St. Etheldreda's, Ely
Place, London, EC1. 5 items.
- DS 4 1940-42 SELIGMAN, Richard (1878-1972) C&G 1895-96
Aluminium Plant and Vessel Co. Ltd.
Succeeded G T Morgan as chairman of the Research Fund
Committee of the Institute of Brewing; research for the
war effort. 6 items.
- DS 5 1936 HENRY SIMON LTD
Enquiry about paper on the infestation of grain by
Professor H M Lefroy. 8 items.
- DS 6 1937-38 SOUTH AFRICA. Union Health Department, Durban.
Malaria in the Union: use of insecticides in aircraft.
4 items.
- DS 7 1936-38 SOUTH AFRICA. Trade Commissioner
'Death Ray' of C R A Chadfield and research of Dr C G
Lemon: grub infested apricots. 6 items.
- DS 8 1937-38 SOUTHERN RAILWAY
Cost of research on problem of infested dried fruits.
6 items.

KZB MUNRO

- DS 9 1939 PETER SPENCE AND SONS LTD. Chemical manufacturers
Control of green weevil: use of their product of
'Neosyl'. 21 items.
- DS 10 1940-41 SPILLERS LTD.
Infestation of flour with *Silvanus*, *Calandra granaria*
etc. 5 items.
- DS 11 1940 SPRATTS PATENT LTD.
Fumigation of imported flour. 6 items.
- DS 12 1935-36 STANDARD TELEPHONES AND CABLES LTD.
Reports on rats and mites by Miss A P Wilson: plan, MS
notes.
- DT 1 1937-40 TATTERSALL, W M
Proposed research on the pathological action of silica.
3 items.
- DT 2 1937-38 THOMAS, Donald Cuthbert (1914-) RCS 1932-37.
Rothamsted
Account of research on *Tipula flavolineata*. 6 items.
- DT 3 1947 THORNLEY, Janet Littlejohn nee PHILIP (1926-)
RCS 1926-27
Request for advice on daughter's career. 2 items.
- DT 4 1939-42 TRIM,
Proposed research with Professor Chibnall; paper on the
insect cuticle. 5 items.
- DT 5 1936 TRINIDAD. Department of Agriculture
Letter from the Director of Agriculture, S G Wortley,
enquiring about safe insecticides for stored grain and
other matters. 1 item.
- DT 6 1943 TRINIDAD. Imperial College of Tropical Agriculture
Letters from Edward McCallan: outline of research in
entomology at the college; request for reference.
5 items.
- DU 1 1946 UGANDA PROTECTORATE. Agriculture Research Station,
Kawanda
Letter from W Victor Harris, Senior Entomologist on use
of explosives for clearing land dotted with
termitaria. Diagram of mound attached. 2 items.
- DV 1 1938-41 VISWANATHAN, Kalpathy Sundaresan (1918-) RCS
1938-40
Course of study for MSc degree. 5 items.
- DW 1 1933-35 WAKELEY, C T N. Scientific adviser to Bayer Products
Ltd. Agricultural Department

- Testing of 'Areginal', new preparation for fumigation of stored grain. 7 items.
- DW 2 1938-39 WARRINER, HALL AND THOMAS Ltd. Cargo Superintendents and samplers (C Thomas)
Mintiness and mites in stored grain. 8 items.
- DW 3 1940 WELLS, George Philip (1901-1985)
Enquiry about war work. 3 items.
- DW 4 1937 WESTON, W Dillon. Cambridge University School of Agriculture
Enquiry about use of high frequency radio waves as insect activity: reference to Lemon's process.
3 items.
- DW 5 1939 HENRY WIGGIN AND CO. LTD.
Enquiry on cheapest source of supply of sodium selenate. 2 items.
- DW 6 1936 WILKINSON, Jack (1911-) RCS 1930-35
Reference for Gabbitas and Thring. 3 items.
- DW 7 1936 WILSON AND MATHIE SONS, Armley, Leeds
Enquiry about plague of small flies during manufacture of porcelain enamelled baths. 4 items.
- DW 8 1938 WOLRYCHE-WHITMORE, J E A
Attempts to make appointment for demonstration of Dr Lemon's process. 5 items.
- DW 9 1939 WOODHILL, A R. Sydney University
Enquiry about possible work for short period before enforced return to Australia on account of the war.
- DW 10 1939 WOODVILLE, Humphrey Caton. RCS 1933-38
Enquiries about vacancies for jobs. 10 items.
- DW 11 1939 WOOL INDUSTRIES RESEARCH ASSOCIATION
Mothproofing of wool. 2 items.
- DW 12 1939 WORLD UNION 'OSE' for protection of the health of the Jews
Letter asking for help for the exiled Dr Herbert Rosenthal. 2 items.
- DZ 1 1933, 38 ZACHER, Friedrich, Berlin
Proposed visit of Dr Page to Germany at suggestion of Dr Heerdt. 3 items.
- E 1 SLUMBUGS. Broadcast by J W M on Bed-bugs, BBC, 9 October 1936. Letters from eighteen listeners.
One file.

A P P E N D I X

There are a number of other files relating to Professor Munro in the archives, transferred from various sources during the past. The following list is arranged in chronological order for convenience.

- | | | |
|------------------|------------------|--|
| GS 1/1 | 1926-1966 | Imperial College staff file. |
| KZ 1-11 | 1926,
1944-54 | Personal correspondence, including letter of appointment as Assistant Professor. |
| KZFA 1-11 | 1928-1939 | Correspondence about the foundation of the Imperial College Biological Field Research Station, Slough; purchase of the site and buildings, grants, researches carried out. Papers include correspondence with the Empire Marketing Board, and the Ministry of Agriculture and Fisheries, with several memoranda by J W M on the Stored Food Products Research financed by the EMB, and the needs of the Station. Eleven files. |
| KZF 1 | 1928-1960 | Imperial College Field Station. History of its foundation etc. Original typescript, with amendments in another hand. |
| KZ 9/4/1 | 1929-1943 | Correspondence of J W M with the Imperial College Administration Department. Includes details of J W M's visit to Berlin, 1938, for the 12th International Congress of Entomology. |
| ULP
Zoology 1 | 1930 | Correspondence between Imperial College and the University of London on the appointment of J W M to the chair of Entomology. |
| ULP
Zoology 2 | 1933-34 | Correspondence between Imperial College and the University of London on the appointment of J W M to the chair of Zoology and Applied Entomology. |
| KZEA 2 | 1933 | Lecture notes, on anatomy and physiology of insects. 402ff. |
| KZ 9/4/2 | 1936-1937 | Correspondence about J W M's visit to and tour of South Africa. |
| GJ 1/2/9 | 1956 | Citation for Fellowship of Imperial College, Commemoration day, 1956. |

There is also the following material in college journals:

THE RECORD, June 1939, pp. 132-5. The department of Zoology and Applied Entomology, by J W M.

SCIENTIFIC JOURNAL OF THE ROYAL COLLEGE OF SCIENCE, vol. 24, p.62. Biographical note on J W M.

I N D E X

- AGARWAL, S B DA 1
- AGNEW, Leslie R C DA 2
- AGRICULTURAL RESEARCH COUNCIL C 6
- AHMAD, Nazer (1905-) DA 3
- AIRCRAFT DISINFECTION DI 2, DL 3, DS 6
- AIR RAID PRECAUTIONS A 5, DH 18
- ALLEN, E J DA 4
- ANGLO-IRANIAN OIL COMPANY DA 5
- 'ANOX' DS 2
- APPLETON, Sir Edward (1892-1965) C 9
- 'AREGINAL' DW 1
- ARMY SUPPLY RESERVE DEPOT DA 6
- ASHBY, F S DI 3
- ASSOCIATION FOR THE STUDY OF SYSTEMATICS IN RELATION TO GENERAL BIOLOGY DA 9
- ASSOCIATION OF APPLIED BIOLOGISTS DA 7
- ASSOCIATION OF BRITISH INSECTICIDE MANUFACTURERS DA 8
- ATHERLEY, Stuart E P DL 4
- AUSTRALIA grain products C 3
- AUSTRALIAN DRIED FRUITS BOARD C 6, DD 3, DE 5, DL 4
- AYYAR, E S Narayanan DA 10
- AZAB, Ahmed Kamel (1907-) DA 11, DE 4, DH 8
- BAILEY, T D and Sons DB 1
- BAILEY, Sir S W DM 8
- BAKER, John R DB 2
- BALFOUR-BROWNE, J DB 3
- BAMBOO BORERS DH 14
- BARLEY FUMIGATION DI 6, DH 21

BARNARD, Eric (1891-1980) C 3, C 12/1, C12/2
BARNES, B DB 4
BASDEN, E B C 10, DG 4
BAYER PRODUCTS LTD DW 1
BEARE, Sir Thomas Hudson (1859-1940) DE 2
BED-BUGS DL 2, DR 6, E 1
BED-BUG COMMITTEE B 5
BEIRNE, B P DR 9
BELGIUM Wartime conditions DF 4
BEVERIDGE, William 1st Baron (1879-1963) DB 5
BIOLOGY WAR COMMITTEE B 2
BIRMINGHAM UNIVERSITY DG 7, DH 16, DH 21
BIRD FLIGHT DH 22
BLACKMAN, Geoffrey Emett (1903-80) B 2
BLISS, C I DB 6
BODKIN, Gilbert Edwin (1886-1955) DM 3
BOOSEY, C J DM 13
BOURNER, E H (1916-) DK 3
BOYES, D DC 2
BRAGG, Sir (William) Lawrence (1890-1971) DI 7
BRAUDE, Ernest Alexander (1922-1956) DI 8
BRAYBROOKE, F H DB 7
BREWERS' HALL DI 6
BREWING, Institute of DI 6
BRISTOL UNIVERSITY DM 4
BRITISH BROADCASTING CORPORATION DH 1, E 1
BRITISH OVERSEAS AIRWAYS CORPORATION DB 8
BROADHEAD, Edward (1920-) DB 9

BROUGH, James DB 10
BROWN, Doris Muriel Snow (Mrs Perkins) RCS 1928-34 C 2
BROWN, William (1888-1975) DA 7
BROWN, William Burns RCS 1930-33 C 3
BRYANT AND MAY DB 11
BURNETT, J M DB 12
BUSTON, Harold William (1900-1966) A 4, DC 7
BUTLER, Sir Edwin John (1874-1943) DSIR C 2, DE 6
BUTLER, P M DB 13
CADBURY BROS DC 1
CALANDRA GRANARIA DE 1, DF 1, DK 4, DS 10
CALLAN, Edward McCallan RCS 1932-36 DT 6
CAMBRIDGE UNIVERSITY DC 2, DI 1, DW 4
CAMERON, A E DC 3
CAMPBELL, W M DK 3
CANADA fumigation of wheat DM 10
CANNON, E Graham DC 5
CARDIFF University College DB 10
CARO, W P DE 5
CARPOPHILUS BEETLES DI 1, 1/13,14
CASSELLS, John and Francis Solicitors DC 6
CATERPILLARS DG 3
CHADFIELD, C R A DS 7
CHAKRAVARTI, M G A 4
CHELSEA POLYTECHNIC DB 4
CHIBNALL, Albert Charles (1894-) DC 7, DT 4
CIDER, Champagne DN 2
COCKROACHES DH 15

COCOA BEAN storage DC 1, DE 8
COCOA MOTH DF 1, DF 2
COCOTYPES DM 16
COENOCORSE research on DB 13
COLMAN, J and J DC 8
COLONIAL AGRICULTURAL SCHOLARSHIP DH 25
COLONIAL FOREST RESOURCES DEVELOPMENT DEPARTMENT DC 9
COLONIAL OFFICE B 1
COLONIAL RESEARCH FELLOWSHIP DE 3
COOPERATIVE WHOLESALE SOCIETY DG 1
CORN WEEVIL DE 1
COSGROVE , John R DC 9
COTTON BOLLWORM DP 2
CYANOGAS DM 15
CYPRUS processionary caterpillars, DB 12 infested potatoes DG 3
DAVIES, Richard Gareth (1920-) DD 1
DDT DR 7
'DEATH RAY' DS 7
DEATH WATCH BEETLE C 1
DEPARTMENT OF OVERSEAS TRADE DD 2
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH C, DI 1
Dinoderus minutus DH 14
DISTILLERS CO DD 3
DOWNES, John Anthony RCS 1932-37 DH 12
DRIVER, Cyril DD 5
DRUMMOND, Sir Jack Cecil (1891-1952) DD 7
DRUMMOND, James Montagu Frank (1881-1965) DD 7
DUGGAN, J B DD8

DUNSTAN, A E DA 5

EASTHAM, Leonard Ernest Sydney (1893-1977) DE 1

EDINBURGH UNIVERSITY DC 3, DE 2

EDNEY, Eric Berry DB 10, DE 3, DR 4

EGYPT DE 4

EKE, Alexander Frederick (1912-) DE 5

ELLINGHAM, Harold Johann Thomas (1897-1975) A 3

ELTON, Charles Sutherland (1900-) C 6, DE 6

EMERGENCY FEEDING DM 6

EMPIRE COTTON GROWING CORPORATION DP 6

EMPIRE FORESTRY ASSOCIATION DE 7

EMPIRE MARKETING BOARD A 2, B 3, DE 8, DL 2, DL 4

ENGLEDON, Sir Frank Leonard (1896-) DE 9

EPHESTIA ELUTELLA DF 1, DF 2, DH 9, DL 4, DM 9, DM 11

ESPINASSE, P G DH 3

ETHIOPIA DH 25

ETHYLENE OXIDE DD 3, DH 6, DH 21

EVANS, John A DE 10

EVANS, W A L DB 10

EXETER University College DB 13

EYRE, J Vargas (1880-1959) DD 3

FALKIRK St Andrew's Church DC 6

FALMOUTH, 9th Viscount George Hugh
Boscawen (1919-) DE 9

FARROW, Leonard DM 1, DM 11

FEAVEARYEAR, Sir Albert Edgar (1896-1953) DM 7, DM 8

FIJI DEPARTMENT OF AGRICULTURE DF 1

FINDLAY, W P K DA 7

FIRE WATCHING A 5
FISHER, Ronald C C 1, DE 2
FLEAS DH 18, E 1
FLIES DW 7
FLIGHT COMMITTEE DG 9
FLIGHT RESEARCH DH 22
FLOUR infestation DS 10, DS 11
FLOUR BEETLES DH 18
FORBES-ROBERTSON DH 16
FORD, Edmund Briscoe (1901-) DF 2
FOREST PRODUCTS RESEARCH LABORATORY DB 11
FORESTRY COMMISSION B 4, DE 7
FOX, Sir John Jacob (1874-1944) DI 7
FRAENKEL, Gottfried RCS Staff 1936-48 DH 17, DH 24, DR 5
FRANKLIN, Mary I DF 3
FREEMAN, Paul (1916-) DF 4
FRENCH, Sir Henry Leon (1883-1966) DM 8
FREYBERG CHEMISCHE FABRIK C 7
FREYBURY, Ernst DF 5
FRIERN BARNET UDC DS 1
FUMIGATION DC 8, DE 4, DS 1, DI 5, DK 1, DL 4, DM 3, DM 10, DM 15, DR 6, DW 1
GARDENERS DK 3
GLASGOW PORT AREA GRAIN COMMITTEE DM 10
GLASGOW UNIVERSITY DD 4, DH 12
GLOVER, W S DG 1
GLYCOPHAGUS DOMESTICUS DH 10
GORDON, Rupert Montgomery (1893-1961) DG 2
GRACIE, W McAulay DB 1, DE 6, DM 11

GRAHAM, Alan DG 3

GRAIN

'Areginal' DW 1

Delizia process for disinfection DF 5, DG 4, DG 5, DM 15, DS 9

Grain weevils DC 2, DH 18, DI 4

Infestation C 3, C 7, DL 1

LNER warehouses DH 11

Standing conference on DB 1, DB 1, DI 6

GRAY, Sir James (1891-1975) DG 4, DG 7, DH 3, DN 3

GREAT WESTERN RAILWAY DG 5

GREEN, Thomas Leslie (1904-) DG 6

GRIMMETT, L G DR 1

GUNN, Donald Livingstone (1905-) DG 7

HADAWAY, Alan Benjamin C 2, DE 1

HALDANE, John Burdon Sanderson (1892-1964) DH 1

HAMILTON, J F DH 2

HARDY, Sir Alister Clavering (1896-) DH 13

HARICOT BEAN WEEVIL DM 5

HARRIS, W Victor DU 1

HEERDT, W DH 6, DZ 1

HELIOTHIS ARMIGERA DP 2

HENDERSON, F Y A 4

HENDRICK, James (1867-1949) DH 7

HERFORD, Gwyneth Mary RCS 1931-33 DI 1

HERFORD, G V DR 1

HETHERINGTON, Arthur Lonsdale (1881-1960) C 2

HEWER, D G Miss DH 9

HEWER, Humphrey Robert (1903-1974) B 4/6 DE 6, DH 14, DM 8, DM 11

HEWLETT, Paul S (1921-) DM 1

HIGH WYCOMBE AND DISTRICT FURNITURE MANUFACTURERS DH 10

HILDRED, Sir William (Percival) (1893-) DE 8

HILL, Roy Philip (1916-) DH 11
HOBBY, B M DH 13
HOCKING, Kaspar Stephen (1931-35) DA 4
HODSON, William Edgar Humphreys (1900-) DH 15
HOLDEN, Allan J DA 8
HOLMES, E DI 4
HOME OFFICE DH 17
HOPF, Hans Stefan RCS 1934-37 DH 1, DH 17, DH 19
HOPKINS, Sir Frederick Gowland (1861-1947) DH 20
HOPKINS, R H DH 21
HORNBY, C D DR 2
HORTON-SMITH, Clifford (1902-) DH 22
HOUSE PESTS DH 10, DS 1
HOWES, D A DA 5
HURST AND SON DH 23
HURWORTH, see SLOUGH BIOLOGICAL FIELD STATION
HUXLEY, Sir Julian Sorell (1887-1975) DH 24
HUXLEY LABORATORY, Imperial College DA 10
HYDROGEN CYANIDE DI 6
HYNES, Hugh Bernard Noel (1917-) C 2, DH 25
IMMS, Augustus Daniel (1880-1949) DI 1
IMPERIAL AIRWAYS LTD DI 2
IMPERIAL CHEMICAL INDUSTRIES DB 12, DI 4
Dyestuffs Division B 6
IMPERIAL COLLEGE A, DA 7, DA 10, DB 9, DI 2, DN 2
IMPERIAL MYCOLOGICAL INSTITUTE DI 3
INDUSTRIAL PEST CONTROL ASSOCIATION DK 6

INSECTICIDES C 12/2, DB 2, DC 7, DH 12, DI 2, DI 3, DI 5, DK 5, DL 3, DM 11,
DR 2, DR 7, DS 2, DS 9, DW 1

INSECT CHEMISTRY DC 7

INSTITUTE OF BREWING DI 6, DS 4

INSTITUTE OF PHYSICS DI 7

JACOBS, Stanley Edward (1905-63) DC 7

JEALOTT'S HILL RESEARCH STATION DB 12, DI 4

JEANS, G H DD 2

JEFFREYS, Frances Jean DI 8

JEFFERSON, G I DB 10

JEPSON, W F DM 3

JEWS protection of health of DW 12

JOINT COMMITTEE ON SCIENTISTS DI 7

JOLLIFFE, C C 7

JOLLIFFE, J H DM 10

JORDAN, Mrs H D DI 8

KEEN, Sir Bernard Augustus (1890-1981) DK 1

KENNEDY, John Stodart (1912-) DK 2

KENNARD, David Edward George RCS 1930-35 DA 4

KENNELLY, Miss C 2

KEW Royal Botanic Garden DK 3

KHAN, Mohammed Qadiruddin DK 4

KIDD, Franklin (1890-1974) C 11

KIRSOPP, G D DL 3

KLAUS, Jan DK 5

KNAPP, A V DC 1

KREGOR, M B DK 6

LASIODERMA SERRICORNE F. DM 3

LAVINGTON STUD DL 1

LEES, Anthony David (1894-) DI 1

LEFROY, Harold Maxwell (1877-1925) DS 5

LEMON, C G process C 6, DM 17, DS 7, DW 4, DW 8

LENING, Charles and Co. DL 2

LETHANE DL 3

LEVERHULME TRUST DE 8

LIPOSCELIS DIVINATORIUS DH 13

LIPSTEIN, Gwyneth Mary RCS 1931-33 DI 1

LLOYD, Edward Mayhew Hastings (1889-1968) DE 8

LLOYD, Llewellyn Southworth (1876-1956) C 5, C 6

LONDON AND NORTH EASTERN RAILWAY DH 11

LONDON INTERNATIONAL PRESS LTD DL 4

LORD, L B 1

LUBATTI, Octavius Francis (1887-1976) A 4, DF 3

LUCAS, DH 3

MAASS, Theodor A DH 6

MACKIE, Col. F P DB 8, DI 2

MACMENIGALL, W H DM 2

MAINTENANCE ALLOWANCES C 13

MALARIA DS 6

MANCHESTER UNIVERSITY DC 5, DD 7

MASON, E W DI 3

McCALLAN, Edward DT 6

McKINNON, Doris Livingston (d.1956) DM 1

MEDICAL RESEARCH COUNCIL B 5

METHYL BROMIDE EXPERIMENTS DM 11

MILES, Herbert William DM 4

MINISTRY OF FOOD C 9, DE 5 D 1/1/4, DH 12, DM 6-13

MINISTRY OF HEALTH DM 14

MITE INVESTIGATION DH 10, DH 23, DS 12, DW 2

MONRO, Geo. LTD. DM 15

MOORE, Walter DH 7

MORGAN, Sir Gilbert Thomas (1872-1940) DI 6, DS 4

MORGAN, M R Miss DH 16

MORTON, J REILL and CO. DM 16

MOSQUITOES DB 8, DH 18, DP 4

MOSSOP, H C DM 17

MOTH-PROOFING DP 6, DW 11

MUNRO, J W official position with DSIR C 5, C 9; Royal Society DH 6;
broadcast on bedbugs E 1

MUSGRAVE, Anthony John RCS 1931-34 C 1, DA 4

NASH, Thomas Arthur Manly (1905-) DN 1

NATIONAL CIDER INSTITUTE DN 2

NEILL, R M DM 3

'NEOSYL' DS 9

NEW GUINEA Infested copra DF 1

NOYES, Winifred M DG 2

OATS infested DL 1

O'FARRELL, Antony Frederick Louis RCS 1936-40 DM 12

OXFORD UNIVERSITY BUREAU OF ANIMAL POPULATION DE 6

PAGE, Albert Braman Pearce (1898-1985) B 5 DE 8, DH 6, DM 7, DM 8, DM 11, DZ 1

PARLIAMENTARY SCIENCE COMMITTEE DP 1

PARSONS, S F DP 2

PEARSON, E O DD 5

PEARSON, Ralph S C 1

PENGUIN BOOKS DP 3

PEST CONTROL RESEARCH COMMITTEE B 6

PEST INFESTATION LABORATORY C 5, C 12/1

PEST INFESTATION RESEARCH COMMITTEE DI 1/4

PHILLIPS, J S DP 4

PICKLES, Alan DP 5

PLENDERLEITH, Harold James (1898-) DP 6

POLUNIN, Nicholas (1909-) DP 7

PORTUGUESE GAS STERILISER PROCESS DB 1

POTATO TUBER MOTH DB 12

POTATOES fumigation of DB 12, DF 3

'PROTELAINÉ' DP 6

PRUTHI, H S DI 5

PSOCID NUTRITION INVESTIGATION DH 13

PTINUS TECTUS DG 7, DH 2

PYRETHRUM SPRAYS DB 7, DB 8, DL 4, DM 11

QUINCE JAM DE 1

RADIUM BEAM THERAPY RESEARCH DR 1

RAILWAYS DG 5, DH 11, DS 8

RATS
Control of DE 6
Infestation DH 11, DM 11, DS 12

RED RAY Co. DR 3

RHODES TRUST DR 4

RICE CONVERSION PROCESS C 6

ROBERTSON, W B C 1

ROCKEFELLER FOUNDATION DR 5

RODD, E H B 6

ROOZENDAAL, B DR 6

ROSCOE, V L DH 23

ROSENTHAL, Herbert RCS 1936-37 DW 12

ROTHAMSTED EXPERIMENTAL STATION DK 1, DT 2

ROYAL AIR FORCE DR 8

ROYAL COMMISSION FOR THE 1851 EXHIBITION DR 6

ROYAL SOCIETY OF ARTS DR 10

ROYAL SOCIETY OF LONDON DH 16, DI 1

SANDBAGS insect infestation C 1, DH 18

SANG, Dr DH 3

SCABIES Treatment of DG 2

SCHERING LTD DS 2

SCIENCE RESEARCH SCHOLARSHIPS DR 9

SCOTLAND stored products insects DC 3

SCOTT, Sir Giles (1880-1960) DS 3

SCOTT-WATSON, J A DE 9

SEED MITES DH 23

SEGROVE, F DE 1

SELENIUM B 6

SELIGMAN, Richard (1878-1972) DS 4

SHAFIK, Muhammed RCS 1926-32 DE 4

SHAW, Sir Evelyn Campbell (1882-1974) DR 9

SHEFFIELD UNIVERSITY DE 1

SHIP FUMIGATION DM 10

SIERRA LEONE Kola infestation DE 8

SILVANUS DH 16, DS 10

SILWOOD PARK DD 6, DD 8, DK 3

SINCLAIR, K J B 6

SLOUGH BIOLOGICAL FIELD STATION A 2, C 5, C 10, DK 2, DL 4, Appendix

SLUM HOUSING DS 1
SMIETON, Margaret Judith RCS 1929-32 C 2
SMITH, Sir Frank C 4
SOCIETY FOR PROTECTION OF SCIENCE AND LEARNING DH 19
SODIUM SELENATE DW 5
SOUTER, Elcy Cruikshank Miss RCS 1942-45 DN 3
SOUTH AFRICA DP 2, DS 6, DS 7
SOUTHERN RAILWAY DS 8
SPENCE, Peter and Sons Ltd DS 9
SPILLERS LTD DS 10
SPRATTS PATENT LTD DS 11
STANDARD TELEPHONES AND CABLES DS 12
STORED PRODUCTS B 6, DA 6, DC 3
STORED PRODUCTS RESEARCH A 2, C 4, C 7, DG 4, DL 2
SQUIBB SCIENTIFIC FELLOWSHIP DB 6
ST PANCRAS PUBLIC HEALTH DEPARTMENT DS 1
STANDING CONFERENCE ON PEST INFESTATION DB 1, DE 6, DI 1/4
STICKY BANDING DI 4
STRINGER, Austin RCS 19337-40 DM 4
STUBBINGS, DH 3
TALLENTS, Sir Stephen George (1884-1958) DE 8
TATTERSALL, W M DT 1
TERMITES DC 9, DU 1
THOM, D R DM 9
THOMAS, Donald Cuthbert (1914-) DT 2
THORNLEY, Janet L Mrs DT 3
THORPE, W T DA 11
TIBULA FLAVOLINEATA DT 2

TIMBER
Beetles DC 6
Grub infestation DB 11
Infestation of wooden packing cases DD 2, DS 3
Termite infestation DC 9

TOBACCO vacuum fumigation DL 4

TOBACCO WEEVIL DM 3

TRIM DH 20, DT 4

TRINIDAD DH 25, DP 5, DT 5, DT 6

TURNER, Arthur Jervois Brig. Gen. (1878-1952) DL 1

TURTLE, Edgar Ernest (1916-) C 3, DM 10

TYNEMOUTH COUNTY BOROUGH DS 1

UGANDA PROTECTORATE DU 1

UNIVERSITY GRANTS COMMITTEE DE8

VERMINOUS HOUSES DS 1

VISWANATHAN, Kalpathy Sundaresan (1918-) DM 1, DV 1

WAKELEY, C T N DW 1

WALL, Ronald George Robert (1910-) DM 5

WALOFF, Nadja (1909-) DM 11

WAR DAMAGE DA 10

WAR EFFORT DD 1, DF 4, DH 13, DH 16, DH 24, DS 4

WEEVILS C 3, C 7, DD 7, DE 1, DH 18, DL 1, DM 3, DM 16, DS 9

WELLS, George Philip (1901-1985) DW 3

WESTON, W Dillon DW 4

WHEAT, English DE 9

WIGGLESWORTH DH 16

WILSON, Aphra Phyllis RCS 1914-16 DS 12

WIGGIN, Henry and Co. Ltd DW 5

WILKINSON, Jack (1911-) DW 6

WILSON AND MATHIE DW 7
WOLRYCHE-WHITMORE, J E A DW 8
WOODHILL, A R DW 9
WOODVILLE, Humphrey Caton DW 10
WOOL INDUSTRIES RESEARCH ASSOCIATION DW 11
WOOLRIDGE, H C 14
WORLD UNION 'OSE' DW 12
WORTLEY, S G DT 5
WRIGHT,
Grain weevil research DC 2
ZACHER, Frederich DZ 1
ZOOLOGICAL SOCIETY DH 24