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## Bibliography of United Kingdom Scientific Contributions to the International Biological Programme

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## Bibliography of United Kingdom scientific contributions to the International Biological Programme

This bibliography is based primarily on lists prepared during 1975 by the chairmen of the Subcommittees of the British National Committee. It is arranged according to the seven main sections of the International Biological Programme, and within the sections, the references are grouped more or less in accordance with the international themes and/or the major national projects.

While the lists for the major national projects are reasonably complete, it has been difficult to decide which of the many publications from on-going programmes of research in British universities and institutes should be regarded as part of the I.B.P.; inclusion has, therefore, been somewhat arbitrary.

Several papers overlap two or more sections or themes of I.B.P., and persons scanning the list for references to particular subjects would be well advised not to limit their search to one section. A few papers are listed more than once.

In some areas it has been possible to include references to unpublished theses and to the location of raw data. If difficulties are experienced in tracing the address of particular authors or the location of data, reference may be made to the Royal Society.

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1. *Meathop Wood*

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*Location of raw data*

A data report was sent to the Scientific Coordinator IBP/PF at the Central Office in 1972. Each research worker who took part in the project retains his own data. Their general areas of interest and present addresses are shown below. In case of doubt, please contact Dr Berrie.

## 1. Allochthonous material

## (a) Detritus

Dr A. D. Berrie, Freshwater Biological Association, River Laboratory, East Stoke, Wareham, Dorset, BH20 6BB.



- (b) Leaf litter  
Professor C. P. Mathews, Departamento de Oceanografía Pesquera, Unidad de Ciencias Marinas, Apartado Postal 453, Ensenada, Baja California, Mexico.
2. Macrophytes and phytoplankton  
Dr T. J. Lack, Water Research Centre, Medmenham Laboratory, P. O. Box 16, Ferry Lane, Medmenham, Marlow, Bucks., SL7 2HD
3. Invertebrates
- (a) General benthos  
Mr I. McDonald, Thames Water Authority, Thames Conservancy Division, Nugent House, Vastern Road, Reading, Berks., RG1 8DB
- (b) Chironomidae  
Dr A. P. Mackey, Department of Biology, The University of Papua and New Guinea, Box 4820, University P.O., Papua and New Guinea
- (c) Cladocera, Copepoda, Rotifera  
Mr H. H. Bottrell, Oceanographic Laboratory, Institute for Marine Environmental Research, 78 Craighall Road, Edinburgh, EH6 4RQ
- (d) Mollusca  
Dr A. D. Berrie (as above)
4. Fish
- (a) Populations and production of young fish  
Professor C. P. Mathews (as above)
- (b) Populations of older fish and food of fish  
Dr A. D. Berrie (as above)
- (c) Feeding and food consumption of bleak and roach  
Mr R. Britton, Institute of Terrestrial Ecology, 12 Hope Terrace, Edinburgh, EH9 2AS

2. *Measurement of productivity at all trophic levels in Loch Leven, Scotland*

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*Location of raw data*

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*Location of raw data*

Most raw data are held at one of the following two places:

- (1) With J. A. Steel: Thames Water Authority, Queen Elizabeth II Reservoir, Molesey Road, West Molesey, Surrey, England.

(2) With A. Duncan: Department of Zoology, Royal Holloway College (University of London), Englefield Green, Surrey, England.

Some raw data are also held by the following people:

(3) T. E. Andrew, The School of Biological and Environmental Sciences, New University of Ulster, Coleraine, Northern Ireland.

(4) M. Doohan (Mrs Frayne), Avery Hill College of Education, Bexley Road, Eltham, London.

(5) M. J. Burgis, Department of Biological Sciences, City of London Polytechnic, 31 Jewry Street, London, EC3N 2EY.

(6) R. M. Fisher, Eton College, Eton, Berkshire, England.

(7) D. G. Hopkins, Kettle Green Farm, Much Hadham, Hertfordshire, England.

(8) C. M. Nadin-Hurley, c/o Department of Zoology, Royal Holloway College, Englefield Green, Surrey, England.

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Preston Montford Field Centre: miscellaneous (C. A. Sinkler: extensive plant records).

University of Liverpool: J. O. Young: invertebrates (littoral) nb. flatworms; G. Evans: Palaeolimnology.

University of Salford: M. Pugh-Thomas: zooplankton.

University of Manchester: J. H. Tallis: plant records.

University of Keele: R. M. Badcock: Trichoptera, invertebrates generally.

University of London (Westfield): blue-green algal life-cycles (in preparation).

F.B.A. Windermere: chemical data.

Nature Conservancy, Shrewsbury: chemical data, species lists, management plans.

University College of North Wales (Bangor): T. B. Reynoldson: Triclad; A. E. Walsby: Bacteria.

Alsager & Crewe College: A. A. Savage: Corixids.

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5. *Ecological analysis of conditions at Loch Linnhe before and after operation of a wood pulp mill*

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## HUMAN ADAPTABILITY (HA)

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*Location of raw data*

Data held by Dr D. F. Roberts, Newcastle.

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*Location of raw data*

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*Location of raw data*

Data held by Dr E. J. Clegg, Sheffield University.

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*Location of raw data*

Data held by British Museum (Natural History).

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*Location of raw data*

Data held by British Museum (Natural History).

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7. *The nutritional state of vegans in Britain*

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*Location of raw data*

Data held by British Museum (Natural History).

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11. *Endemic goitre survey in the Gilgit Agency, West Pakistan*

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*Location of raw data*

Data held by British Museum (Natural History).

12. *Physiological studies in Jordan*

- Corbett, J. L. & Johnson, R. H. 1968 Water deprivation and water loading of bedouin and non-bedouin Arabs and Europeans. *J. Physiol.* **198**, 32–33P.
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Further information but not raw data held by British Museum (Natural History).

13. *Climatic adaptation and physiological fitness studies in East Africa*

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*Location of raw data*

Data held by British Museum (Natural History).

14. *Response of healthy civilians to changes in temperature and ways of life*

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15. *Response of the sweat glands to pilocarpine in various ethnic groups*

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16. *Human biology in New Guinea*

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*Location of raw data*

Data held by British Museum (Natural History).

17. *Studies of pulmonary function and exercise in Trinidadian males*

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*Location of raw data*

Data held by Medical Research Unit Pneumoconiosis Unit, Penarth.

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*Location of raw data*

Data held by British Museum (Natural History).

19. *A combined multifactorial survey of selected Irish populations*

- Sunderland, E., Tills, D., Bouloux, C. & Doyle, J. 1973 Genetic studies in Ireland. In *Genetic variation in Britain* (ed. D. F. Roberts & E. Sunderland), pp. 141–159. London: Taylor & Francis.

*Location of raw data*

Data held by British Museum (Natural History).

20. *Genetic study of the Caribs of Dominica*

- Harvey, R. G., Godber, M. J., Kopec, A. C., Mourant, A. E. & Tills, D. 1969 Frequency of genetic traits in the Caribs of Dominica. *Hum. Biol.* **41**, 342–364.

*Location of raw data*

Data held by British Museum (Natural History)

21. *Haemoglobins, enzyme polymorphisms and blood groups in Nepalese*

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Data held by Professor Modiano, Rome University.

22. *Hereditary blood factors of the Kurds of Iran*

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*Location of raw data*

Data held by British Museum (Natural History).

23. *Assessment of food intake of adolescents in Glasgow*

Durmin, J. C. G. A., Londergan, M. E., Good, J. & Ewan, A. 1976 A cross-sectional nutritional and anthropometric study, with an interval of 7 years, on 611 young adolescent school children. *Brit. J. Nutr.* (In the Press.)

*Location of raw data*

Data held by British Museum (Natural History).

24. *Human biological studies in the Orkney Islands*

Boyce, A. J., Holdsworth, V. M. L. & Brothwell, D. R. 1973 Demographic and genetic studies in the Orkney Islands. In *Genetic variation in Britain* (ed. D. F. Roberts and E. Sunderland), pp. 109–128. London: Taylor & Francis.

Marshall, W. A. 1975 The relationship of variations in children's growth rates to seasonal climatic variations. *Ann. Hum. Biol.* **2**, 243–250.

*Location of raw data*

Data held by British Museum (Natural History).

25. *Determination of genetic factors of blood samples collected in IBP surveys overseas*

(see also §§2, 3, 8, 16, 20, 22)

Branden, J. L. van den, Clements, V. R., Mourant, A. E. & Tills, D. 1971 The distribution in human populations of genetic variants of adenosine deaminase. *Hum. Hered.* **21**, 61–63.

Leakey, T. E. B., Coward, A. R., Warlow, A. & Mourant, A. E. 1972 The distribution in human populations of electrophoretic variants of cytoplasmic malate dehydrogenase. *Hum. Hered.* **22**, 542–551.

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*Location of raw data*

Data held by British Museum (Natural History).



## USE AND MANAGEMENT (UM)

1. *Biological control*

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