

## REFERENCES

ALVE, E. 1991. Benthic foraminifera in sediment cores reflecting heavy metal pollution in Sorsford, Western Norway. *Journal of Foraminiferal Research*, **21**, 1-19.

BARTON, D.B. 1967. Tin Mining and Smelting in Cornwall. D.B. Barton Ltd., Truro, 1-303.

BOLTOVOSKOY, E. 1966. Depth to which foraminifera can survive in sediments. *Contributions of the Cushman Foundation for Foraminiferal Research*. XVII, 43-45.

BOLTOVOSKOY, E. and WRIGHT, R. 1976. *Recent foraminifera*. Dr. W. Junk b.v., publishers, The Hague.

BUZAS, M.A. 1969. Foraminiferal species densities and environmental variables in an estuary. *Limnology and Oceanography*, **14**, 411-422.

BUZAS, M.A. 1974. Vertical distribution of Ammobaculites in the Rhode River, Maryland. *Journal of Foraminiferal Research*, **4**, 234-7.

CARSON CONSOLIDATED, 1992. News Letter Update.

ELLISON, R.L. BROOME, R., and OGLIVIE, R. 1986. Foraminiferal response to trace metal contamination in the Patapsco river and Baltimore Harbour, Maryland. *Marine Pollution Bulletin*, **17**, 419-423.

FISHER, R.A. CORBET, A.S., and WILLIAMS, C.B., 1943. The relationship between the number of species and the number of individuals in a random sample of an animal population. *Journal of Animal Ecology*, **12**, 42-58.

GREINER, G.O.G. 1969. Recent benthic foraminifera:

Environmental factors controlling their distribution. *Nature*, **223**, 168-170.

HAMILTON JENKIN, A.K. 1963. *Mines and Miners of Cornwall: VI around Gwennap*. Truro Bookshop, Truro, Cornwall, pp.1-61.

HART, M.B. and THOMPSON, S. 1974. Foraminifera of Budle Bay, Northumberland: a preliminary investigation. *Transactions of the Natural History Society of Northumberland, Durham and Newcastle upon Tyne*, **41**, 204-219.

JONASSON, K.E. and PATTERSON, R.T. 1992. Preservation potential of salt marsh foraminifera from the Fraser River delta, British Columbia. *Journal of Micropaleontology*, **36**, **8**, 289-301.

LIDZ, L. 1965. Sedimentary environment and foraminiferal parameters: Nantucket Bay, Massachusetts. *Limnology and Oceanography*, **10**, 392-402.

MURRAY, J.W. 1973. Wall structure of some agglutinated foraminifera. *Palaeontology*, **16**, 777-786.

MURRAY, J.W. 1991. *Ecology and Palaeoecology of benthic foraminifera*. Longman Scientific and Technical, Harlow, 1-397.

SHARIFI, A.R. CROUDACE, and AUSTIN, R.L. 1991. Benthic foraminifera as pollution indicators in Southampton Water, southern England, UK. *Journal of Micropalaeontology*, **10**, 109-113.

STEINACK, P.L. and BERGSTEIN, J. 1979. Foraminifera from Hommocks salt-marsh, Larchmont Harbour, New York. *Journal of Foraminiferal Research*, **9**, 147-158.

WALTON, W.R. 1952. Techniques for recognition of living foraminifera. *Journal of Foraminiferal Research*, **3**, 56-60.

## Notice

### REGIONALLY IMPORTANT GEOLOGICAL AND GEOMORPHOLOGICAL SITES IN DEVON: PROGRESS WITH EARTH SCIENCE CONSERVATION

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#### INTRODUCTION TO RIGS

In 1990, the Nature Conservancy Council launched its Earth Science Conservation Strategy which included the concept of RIGS (Regionally important geological and geomorphological sites). The aim is to notify sites whose geological significance is not sufficient to attract statutory protection as Sites of Special Scientific Interest (SSSI), but which are considered worthy of conservation on account of their local value for earth science education, for research, for historical or aesthetic reasons.

The setting up and running of local RIGS schemes (usually county by county) has been encouraged by NCC, and now English Nature, by forming groups of interested volunteers. The initial tasks of a RIGS group are to gather local site information, to select appropriate sites from those nominated, to involve landowners and to notify local authorities. In the longer term the RIGS group should monitor, manage and enhance sites, and add or remove sites from the list.

#### DEVON RIGS

The Devon Wildlife Trust organised an inaugural meeting for a Devon RIGS Group in April 1991, at Exeter Museum, to which all potentially interested parties were invited. These included local authorities, museums, local geological societies, higher education establishments, conservation bodies and other professional geologists. This meeting agreed the establishment of a Devon RIGS Group and a smaller Steering Group was self-selected, which has met at regular intervals since (this is comprised of the authors listed above). The Steering Group reports back to the main group at occasional meetings.

Having studied the guidelines for RIGS schemes, the Steering Group devised a site nomination card and accompanying explanatory notes for circulation to all interested parties. It has also investigated the possibilities of funding (so far without success), obtained publicity through the media, and

clarified the list of SSSIs in Devon.

One important policy decision was made, which was to exclude coastal sites from the scheme at the present time, but to review this policy later. On receipt of completed nomination forms or of information in any other form, for example lists of sites by name and grid reference only, a database has been established on PC at Exeter Museum. About one hundred sites were nominated during 1992, irregularly distributed around the county.

In order to make a start on the notification procedure, the county was divided into its ten local authority districts and the smallest one, Exeter City, chosen for this purpose. Five sites were selected as follows:

- Pinhoe Brickpit (Crackington Formation)
- Pocombe quarry (Exeter Permian Volcanics)
- Heavitree Quarry (Permian Breccia)
- Bishop's Court quarry (Permian Sandstone)
- Ferry Road, Topsham (Quaternary Fluvial Deposits)

These sites are currently in the process of being discussed with landowners and notified to the local authority.

#### FUTURE DEVELOPMENT

There must still be many potential RIGS sites which have not been brought to the attention of the Steering Group and the process of seeking nominations will continue as long as is necessary. The assistance of Ussher Society members in this important task is requested.

Selection and notification will proceed in other local authority districts, as sufficient coverage is achieved. Progress has been less rapid than anticipated, partly because the Steering Group is composed entirely of full-time professionals. Information on notified sites will be made available as the scheme develops.