

the meaning of progress becomes uncomfortably clear.

HOWARD AXON

Wilson, H. E. 1985. *Down to Earth: One hundred and fifty years of the British Geological Survey*. Edinburgh and London (Scottish Academic Press), 1985. iv + 189 pp., 5 figs., 24 photos. Price £9.75 (paperback only).

There have been three principal histories of the Geological Survey: in 1937 Flett published a solid official version; Bailey's account in 1952 was almost as much a history of geology in Britain as about the Survey itself. Now Harold Wilson has written the third to celebrate the 150th anniversary. Happily it is free from the restrictions of a government publication. Although we are given details of all the formal changes in the organisation, they are put into the context of the personalities of the time. For each period and sector one can get the feeling of what it must have been like to be working in the Survey. This is a first-class, entertaining, yet scholarly history, reaching a standard seldom achieved by the professional historian (though it is a pity that there is no index).

Particularly good for many readers will be the independent account of the feud between the fierce Flett and E. B. (Batty) Bailey. It was their misfortune, but entertaining for us, to be brothers-in-law and to have had to work together in the Edinburgh Office from 1911 to 1920 (except while Bailey was winning an M.C. in France) and during this time they came to hate one another. Both men of exceptional intelligence and energy, Flett could turn his hand to anything (physics, Greek, logic, English literature, political economy, fishing, medicine, chemistry; he studied all these whilst at Edinburgh University, and won prizes in most of them); but he lacked that imaginative touch that makes great science (try his Lizard memoir). Bailey was utterly dedicated to geology, which was excellent for geology but not so good for those who worked under him. When he was professor at Glasgow and was giving an evening lecture to the Glasgow Geological Society, he noticed after several hours that only his dependent staff were still there except for one stranger at the back of the room; stopping his lecture for a moment he addressed the stranger with the hope that he didn't mind the lecture going on so long. 'Oh no', came the reply, 'I'm the night watchman.' At the Survey, Bailey so alienated his senior staff that several refused to attend his farewell dinner. It is part of Wilson's skill that his history is peppered with similar intimate details without just being a succession of good stories.

This book is a 'must' for all interested in the history of geology in its social context.

J. M. HANCOCK

Bell, B. R. and Harris, J. W. *An Excursion Guide to the Geology of the Isle of Skye*. Glasgow (Geological Society of Glasgow), 1986. 317 pp., 36 maps. Price soft-back £5.00 + 65p postage.

The guide is divided into three parts. The first gives a general account of the geology, the second describes the excursions, and the third consists of glossaries and a bibliography. Although the format is compact, an impressive amount of information is included so that the work will unquestionably be useful to those planning and taking part in excursions to Skye. Nevertheless, the prospective user should be warned that the balance lies strongly towards Tertiary igneous rocks, and while this will suit the purposes of many, others who wish to take a broader view of the geology of this notable island will find it frustrating. Of the 22 excursions, for example, about 17 can be considered as largely concerned with Tertiary igneous rocks. Within the introductory review, more than 100 pages are devoted to the same topic, and although it can be argued that the balance is a fair reflection of the outcrop area concerned, it perhaps does less than justice to the Lewisian, Torridonian, Cambro-Ordovician, Trias and Jurassic.

The presentation of the excursions is carefully done, with abundant geological maps and eight-figure map references. Some of the maps are difficult to read, but used in conjunction with a topographic sheet they will certainly serve to locate the exposures. The descriptions of individual localities are, however, mainly rather pedestrian, and there is little attempt to focus on areas which are particularly rewarding or exciting for field study. The scientific treatment is too often merely a dead-pan account of what is there, as if the authors had no opinions of their own. One wishes that illustrations of outcrops, or panoramas, or some sort of critical comment could have enlivened the text. All the same, the bibliography is excellent, and the appendix on the pronunciation of Gaelic place-names is more than welcome (hands up who knows how to pronounce Camas Fhionnairigh!). Irritatingly, there is no index, there are no page numbers in the contents list, and there are no running chapter headings. Clearly the second edition should include a guide to the guide.

K. G. COX

Laforet, C., Monchoux, P., Oudin, E. and Tollon, F. *Ariège: T2. Bassin versant de l'Ariège* (Inventaire

minéralogique de la France, No. 12). Orléans (B.R.G.M.), 1986. 176 pp., 25 maps. Price 86 F.

This second volume in this series to deal with the Ariège region covers the mineralogy of the east of the Department. This includes an area of Palaeozoic rocks showing varying grades of metamorphism associated with Hercynian granites. Extensive mineralisation has resulted in veins with lead, zinc, copper, and particularly iron minerals developed. In the style of this useful series, there are twenty-two locality sketch-maps, each with several 'indices' of either mine workings or outcrops and full directions on how to reach them. The later Mesozoic Tarascon basin in the centre of the region produces gypsum and anhydrite, sometimes with rutile and brown tourmaline.

R. A. HOWIE

Medenbach, O. and Wilk, H. *The Magic of Minerals*. Berlin, Heidelberg and New York (Springer-Verlag), 1986. 204 pp., 110 colour plates. Price DM 128.00.

In this English edition the original German text (1977) has been translated by J. S. White. It is interspersed with 110 large-format colour photographs of museum-quality mineral specimens which

are reproduced with the utmost clarity, though normally with larger-than-life images (the size of the original specimens is always quoted, from which it is clear that magnifications of $\times 2$ to $\times 10$ are involved). There are in reality two texts: one set in fairly large type gives an introduction to mineralogy, with generalisations on the structure and symmetry of minerals and their physical properties, occurrence and origin; the other in normal type describes the mineral species illustrated in the adjacent pages.

The colour reproduction and lighting is superb, giving mouth-watering photographs of beautiful specimens, making this the mineralogist's coffee-table book *par excellence*. Every page one turns offers new excitement. Amethyst, beryl, calcite and tourmaline are there—but so also are dufrenite, erythrite, kämmererite and picroparmacolite. The authors' philosophy is not spelt out in words, but is clearly shown in the aesthetically thrilling end-product. The text is in general accurate (though the Egremont calcite locality is twice assigned to Cornwall rather than Cumbria). This delightful book is surely going to be found on many mineralogists' want lists but its artistic qualities will surely give it a much wider market.

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