

showing the thickness of the lithosphere. We should recall that wave-velocity cross sections are the sole basis for models of the nature and distribution of the different deep crustal materials. An attempt to construct such models is made in the next chapter in light of gravity measurements as well as heat flow and electric conductivity data.

The chapter dedicated to recent tectonic activity is no less interesting. We learn that the Baltic Shield is not very stable and is the locus of many earthquakes, albeit of small magnitude. Seismic activity can be compared with a generalized stress map and recent volcanic areas, but no seismotectonic data are reported here, even for the Mediterranean area, where many studies have recently been carried out.

Although *A Continent Revealed* incontestably improves our knowledge of the European continent, it has some frustrating flaws. The data and their interpretation are not well integrated. For example, the cross sections showing the geophysical models are presented as several small pieces, and no clue is given to the crucial role of these data in the development of ideas about the structure, tectonic evolution, and geodynamics of the European basement. Although an EGT Atlas (as well as a CD-ROM that contains some of the Atlas data) is available separately, the problems related to the coordination of material could have been alleviated by the presentation of the maps and cross sections as fold-out documents.

While the EGT was being carried out, other groups were collaborating in studies of the structure of the European crust by deep seismic reflection profiling (for example, the *Etude de la Croûte Continentale et Océanique par Réflexion Sismique* [ECORS] in France and Spain, the South West Approaches Transect [SWAT] in England), and it is frustrating that the results of these other projects are not sufficiently incorporated. For instance, a complete deep crustal transect from South England and Belgium to Spain through the Hercynian and Alpine domain is also available, and a comparison of its data with the EGT section results would have been fruitful.

Finally, it is unfortunate that a separate bibliography of the publications arising directly out of the workshops and retreats organized for the EGT project is not provided. Such a reference list would have helped to justify the considerable financial support that the program enjoyed as well as enhancing the value of the book itself, which can serve as a general introduction to the more specialized literature.

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Reprints of Books Previously Reviewed

A Feeling for the Organism. The Life and Work of Barbara McClintock. Evelyn Fox Keller. Freeman, New York, 1993. Paper, \$13.95. Reviewed 223, 482 (1984).

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The Battle of the Gods and Giants. The Legacies of Descartes and Gassendi, 1655–1715. Thomas M. Lennon. Princeton University Press, Princeton, NJ, 1993. xiv, 420 pp. \$59.50. Studies in Intellectual History and the History of Philosophy.

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Fits, Passions, and Paroxysms. Physics, Method, and Chemistry and Newton's Theories of Colored Bodies and Fits of Easy Reflection. Alan E. Shapiro. Cambridge University Press, New York, 1993. xviii, 400 pp., illus. \$69.95.

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