

grade rocks from parts of EGMB (Araku-Padua section, Divakara Rao et al.; Gamparai region, Charan et al.; Balimela-Rudakota area, Mallikharjuna Rao et al.; Machkund region, Subba Rao et al.; Visakhapatnam, A.T. Rao et al., Behrampur-Jaypore transect, Nanda and Pati; Gokavaram-Gangavaram area, Murthy et al.) that attempt to weave the tectonometamorphic history of granulite grade rocks with their protoliths. Papers related to paleomagnetic and geophysical studies by Lakshmiapatiraju and Nayak et al. provide interesting reading material. Another stimulating paper by Mishra is devoted to the economic mineral wealth in terms of broad metallogenic framework of EGMB. Acharya and Rao give succinct account of graphite deposits of Orissa in respect of lithological and structural controls. Geomorphological aspect of EGMB describing lithological controls on topography with implications for rejuvenation of river system is covered by Mahalik. A valuable contribution by Gopalakrishnan elaborates on the possible linkage of EGMB with south India and Antarctica using available geoscientific data.

In a nutshell, this volume is timely, well thought out and recognises the growing significance on petrological perspective of high grade granulites of EGMB. The editors have performed a remarkable effort to produce such a readable and comprehensive coverage in 314 pages. At an economical price of Rs.200, this volume represents a good value and I cannot imagine why anyone with even a peripheral interest in the topics covered should be without a copy.

*Department of Geology
Banaras Hindu University
Varanasi 221 001*

ANAND MOHAN

ORGANIC PETROLOGY by G.H. Taylor, M. Teichmuller, A. Davis, C.F.K. Siessel, R. Littke and P. Robert with contributions by D.C. Glick, M. Smyth, D.J. Swain, M. Vanderbrocke and J. Espitalie. Gebruder Borntraeger, 1998, 704p, Price: US \$116

This new handbook incorporates some revised parts of the Stach's Text Book on Coal Petrology, which has been updated. The first five chapters deal with nature, description, and origin of organic matter. Chapter 1 provides a historical survey. Many new references have been included, but many important publications on peat formation and peat composition, more so from the younger generation of the coal petrographers are wanting. It is not until Chapters 4 and 5 that the book titled 'Organic Petrology' introduces the basics of organic petrography, macerals, microlithotypes and lithotypes. Chapter 6 presents an interesting discussion on coals of various ages and the rocks containing organic matter. Only eight pages are devoted to Gondwana coals of the Southern Hemisphere. Chapters 7 and 9 discuss the methods and procedures as well as geological and technological applications. Fluorescence microscopy has been adequately dealt with. In the section on coal utilization, coal carbonization finds ample treatment. The book has 62 pages of references. The quality of coverage of the different macerals in the photomicrographs cannot be regarded as more than good. High quality photomicrographs of structured liptinite in fluorescent light in coal as well as petroleum source rocks and oil shales are however, absent. On the whole this new handbook will provide interesting reading to all the coal petrographers.