

Contents

<i>Introduction</i>	v
<i>Eldridge M. Moores: His Accomplishments, Service, and Legacy</i>	ix
1. <i>The Indian Ocean, its supra-subduction history, and implications for ophiolites</i>	1
Eldridge M. Moores, Nathan Simmons, Asish R. Basu, and Robert T. Gregory	
2. <i>Origin of the Indus ophiolite linked to the mantle transition zone (410–660 km)</i>	15
Souvik Das and Asish R. Basu	
3. <i>Is geoheritage a “cutting-edge” science? Promotion of an extension to the definition of geoheritage with emphasis as a significant discipline in geosciences with cultural and societal relevance</i>	37
Anne Ewing Rassios and Giovanni Grieco	
4. <i>Internal lithospheric rotation at the initiation of intra-oceanic rift-drift: An example of proto-transform tectonics from the Vourinos Ophiolite, Greece</i>	55
Anne Ewing Rassios, Dina Ghikas, Anna Batsi, Petros Koutsovitis, Evangelos Tzamos, and Yildirim Dilek	
5. <i>Coalescing upper-crust detachment faults as a major structural style in the Great Basin: Evidence from the White Pine and Horse Ranges, east-central Nevada, USA</i>	75
Robert D. Francis, Gregory J. Holk, Tor B. Lacy, and Charles T. Walker	
6. <i>Numerical models of Cretaceous continental collision and slab breakoff dynamics in western Canada</i>	97
Wenbo Zhang, Stephen T. Johnston, and Claire A. Currie	
7. <i>Two-step obduction of the Porvenir serpentinites: A cryptic Devonian suture in SW Iberian Massif (Ossa-Morena Complex)</i>	113
Rubén Díez Fernández, Jerónimo Matas, Ricardo Arenas, Luis Miguel Martín-Parra, Sonia Sánchez Martínez, Irene Novo-Fernández, and Esther Rojo-Pérez	
8. <i>New tectonic model and division of the Ubendian-Usagaran Belt, Tanzania: A review and in-situ dating of eclogites</i>	133
Nelson Boniface and Tatsuki Tsujimori	
9. <i>Petrotectonic origin of mafic eclogites from the Maksyutov subduction complex, south Ural Mountains, Russia</i>	177
Valentin V. Fedkin, Theodore D. Burlick, Mary L. Leech, Andrey A. Shchipansky, Peter M. Valizer, and W.G. Ernst	

- 10. Gravitational sliding or tectonic thrusting?: Examples and field recognition in the Miura-Boso subduction zone prism 197**
Yujiro Ogawa and Shin'ich Mori
- 11. Regional-scale correlations of accreted units in the Franciscan Complex, California, USA: A record of long-lived, episodic subduction accretion 233**
Francisco E. Apen, John Wakabayashi, Howard W. Day, Sarah M. Roeske, A. Kate Souders, and Trevor A. Dumitru
- 12. Subduction and exhumation slip accommodation at depths of 10–80 km inferred from field geology of exhumed rocks: Evidence for temporal-spatial localization of slip 257**
John Wakabayashi