

conditions and the consumption of caustic soda (a costly raw material) is low, unlike in the case of bauxites of the other type. The ECB deposits are large and are amenable to low cost bulk mining. These factors have provided for successful establishment of mine and plant by the National Aluminium Corporation Ltd. in Orissa. In case of manganese ore, the high-phosphorous ores of Kodurite type pose problems in beneficiation to reduce phosphorous content. The other chapters on limestone-dolomite, beach sand minerals, china clay, gem stones, gold, PGE, nickel ore etc. are also well presented. B.K. Mohanty, the then president of SGAT, has played the anchor role, has written the foreword and excellent chapters on iron ore, manganese ore and gemstones. With longstanding acquaintance with many of the contributors and familiarity with some of the subjects, the reviewing of this was nostalgic and pleasant. This book is an authentic and up-to-date compendium covering the geology and mineral resources of Orissa.

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INTERNATIONAL COMMITTEE FOR COAL AND ORGANIC PETROLOGY - ICCP: The 50th ICCP MEETING - A commemorative book. Edited by M.J. Lemoa de Sousa. Universidade do Porto, Faculdade de Ciencias, Departamento de Geologia, Porto - 1998, 116p.

The ICCP since its inception in 1953, has the following two major functions: (1) to develop an internationally acceptable terminology and nomenclature for coal and, subsequently for dispersed organic matter and (2) to promote standardization, at an international level, of organic petrological analytical methods. The President of the ICCP and Editor have brought out a special commemorative volume to mark its 45th anniversary. The book presents a memorable record of the progress of ICCP during the past 45 years, representing workers from all the countries.

The book commences with a preface by the editor, presidential address, and list of members of the ICCP Council. Helmut Jacob (Germany) brings out "Beginning and development of applied brown coal petrology in Eastern Germany between about 1950 and 1960" and tabulates the German classification system, supplemented by figures. A. Aihara (Japan) summarises "National and international coal petrological activities in Japan". The paper depicts coal production and demand since 1911 in the form of figures, correlated columnar sections, and facies changes of sediments reflecting sedimentary conditions, Hidaka fore-arc structure with southwest isoclinal back-arc coal basins in Kyushu, vitrinite reflectance in Ishikari coalfield depicting gentle variation, and evidence of syn-tectonic diagenetic process in north Kyushu, H/C:O/C diagram of vitrinite genesis, Ro of phytoclasts in the Pacific side of Kyushu, and of southwest Japan arc except Kyushu, degree of organic metamorphism of major sedimentary basins, and with selected foreign coalfields in various tectonic units.

The book contains reminiscences and biographical accounts by experts like G.H. Taylor, Harold Smith, A.R. Cameron, Alan Davis, A.A. Cook, B. Alpern, J.G. Prado and Teichmuller. The last paper is by M.J. Lemos de Sousa and others on "Coal Classification: The Contribution of the ICCP"

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