

C O N T E N T S

Preface	I
	<i>Review</i>
<i>I. Valeton</i> — Twenty-five years of ICSOBA activities	1
 PLENARY SESSIONS	
	<i>Review</i>
<i>Gy. Bárdossy</i> — Lateritic bauxite deposits. A world-wide survey of observed facts	11
	<i>Review</i>
<i>G. J. J. Aleva</i> — Bauxitization and tropical landscape evolution	19
<i>A. H. Bartlett</i> — Review of the mining and beneficiation of the world's major bauxite deposits	31
 SESSION I — BAUXITE	
	<i>Original scientific paper</i>
<i>A. Chauvel, F. Andreux, C. C. Cerri, Y. Lucas</i> — Superficial evolution of Amazonian bauxite deposits	45
	<i>Original scientific paper</i>
<i>I. Valeton, M. L. L. Formoso, F. Rosenberg, N. Dani</i> — Bauxite and co-genetic weathering products on the alkaline complex and on basalts in the area of Lages, Santa Catarina, Brazil	55
	<i>Original scientific paper</i>
<i>B. Boulangé, A. Carvalho</i> — The genesis and evolution of the Porto Trombetas bauxite deposits in the Amazon Basin, Pará, Brazil	71
	<i>Original scientific paper</i>
<i>Y. Lucas, B. Kobilsek, A. Chauvel</i> — Structure, genesis, and present evolution of Amazonian bauxites developed on sediments	81
	<i>Original scientific paper</i>
<i>B. Kotschoubey, W. Truckenbrodt, B. Hieronymus, C. A. Alves</i> — Preliminary study of aluminous laterites and bauxites from the Serra Norte (Carajás Mineral Province), Northern Brazil	95
	<i>Original scientific paper</i>
<i>B. Kotschoubey, W. Truckenbrodt, L. A. de Queiroz Menezes</i> — Polyphasic origin of the Ipixuna bauxite, Northeastern State of Pará, Brazil	105

	<i>Original scientific paper</i>
<i>B. Hieronymus, P. Bildgen, B. Kotschoubey, J. Boulegue, A. M. de Ker-sabiec</i> — Comparative study of three bauxitic processes	115
	<i>Original scientific paper</i>
<i>C. A. C. Varajão, B. Boulangé, A. Carvalho</i> — The bauxites of Quadrilá-tero Ferrífero, Minas Gerais, Brazil	127
	<i>Original scientific paper</i>
<i>A. F. D. C. Varajão, B. Boulangé, A. J. Melfi</i> — The petrologic evolution of the facies in the kaolinite and bauxite deposits of Vargem dos Oculos, Quadrilátero Ferrífero, Minas Gerais, Brazil	137
	<i>Original scientific paper</i>
<i>Maria L. M. de Carvalho e Silva, Sonia M. B. de Oliveria</i> — Ferruginous bauxite from Nazare Paulista (São Paulo, Brazil): Geochemical evolution	147
	<i>Original scientific paper</i>
<i>J. B. Sigolo, B. Boulangé</i> — The bauxite deposits of the Passa Quatro alkaline massif, Minas Gerais, Brazil	159
	<i>Original scientific paper</i>
<i>K. S. Balasubramaniam</i> — Bauxite deposits of India	169
	<i>Original scientific paper</i>
<i>Olga Lahodny-Šarc, S. Musić S. Popović</i> — Mössbauer spectroscopy of lateritic and karst bauxites from different localities	183
	<i>Original scientific paper</i>
<i>P. A. Lyew-Ayee, E. A. Scroggins, B. I. Kronberg, W. Doherty, A. Van-der Voet</i> — Genesis of Jamaica bauxites: A geochemical model . . .	193
	<i>Original scientific paper</i>
<i>A. R. D. Porter, G. H. Sabiston</i> — Occurrence, nature, and possible ori-gin of phosphorite underlying some Jamaican bauxite deposits . .	201
	<i>Original scientific paper</i>
<i>T. L. Salter, H. H. Murray</i> — Residual bauxite genesis in Saline County, Arkansas	213
	<i>Original scientific paper</i>
<i>K. S. Balasubramaniam, C. S. P. Iyer, S. K. Tulsidas</i> — ICP determina-tion of elemental concentrations in bauxites	225
	<i>Original scientific paper</i>
<i>I. Blašković, I. Dragičević, I. Pokrajčić</i> — Tectonic control of the origin of the paleorelief of bauxite deposits in the Western Herzegovina, Yugoslavia	231
	<i>Original scientific paper</i>
<i>J. Crnički, I. Jurković</i> — Rare earth elements in Triassic bauxites of Croatia (Yugoslavia)	239
	<i>Original scientific paper</i>
<i>D. Dragović</i> — The red and white karstic bauxites of Montenegro (Yu-goslavia)	249

	<i>Original scientific paper</i>	
<i>E. Mack</i> — Bauxite resources evaluation		259
	<i>Original scientific paper</i>	
<i>E. Szabó, C. Ravasz, G. G. Bence, N. Xuan Bao, Ph. Dinh Hien, N. Van Qui</i> — Experiences with a new laterite-bauxite prognosis method applied in Vietnam		269
	<i>Professional paper</i>	
<i>B. Perić, S. Vujec, D. Zeljković</i> — Underground exploitation of bauxite in competent rock		275
	<i>Professional paper</i>	
<i>I. Farkas, I. Fejes, L. Nyerges, A. Siklós, L. Szabadváry, F. Szantner, L. Verő</i> — Possible applications of geophysics in bauxite exploration		289
	<i>Original scientific paper</i>	
<i>E. Juhász</i> — Sedimentological features of the Halimba karstic bauxite, Hungary		301
	<i>Review</i>	
<i>J. Fazekas</i> — The results of Hungarian bauxite mining		311
	<i>Original scientific paper</i>	
<i>P. Marijanović, S. Vujec, R. Marušić</i> — Morphological characteristics of the Herzegovinian bauxites		321
	<i>Original scientific paper</i>	
<i>P. K. Banerji</i> — East coast bauxite deposits of India revisited: Some problems of bauxite and laterite genesis		331
	<i>Original scientific paper</i>	
<i>A. Violante, F. Palmieri, A. Buondonno</i> — Influence of temperature on the development of order of Al-oxyhydroxides		341
 <i>SESSION II — ALUMINA</i>		
	<i>Review</i>	
<i>L. A. D. Chin</i> — Co-products and by-products of alumina plants		351
	<i>Professional paper</i>	
<i>J. A. Chartouni</i> — Oxalate removal at Alcan Ouro Preto alumina plant		357
	<i>Original scientific paper</i>	
<i>R. D. Kanev, D. Chavdarova</i> — Development of alternative methods for alumina production from non-bauxite raw materials in Bulgaria		365
	<i>Original scientific paper</i>	
<i>X. B. Li, Z. Y. Yang, Y. Z. Long</i> — The effect of roasting on digestibility of diasporic bauxite		379
	<i>Original scientific paper</i>	
<i>Q. D. Chen, Z. Y. Yang</i> — Desilication of Shanxi bauxite pulp during its preheating		387

	<i>Original scientific paper</i>	
<i>Ping Wenzheng</i> — Production of sandy alumina by carbonization decomposition		395
	<i>Professional paper</i>	
<i>H. R. Pollack</i> — The bauxite, alumina, and aluminium industry in Suriname — Recent developments and future prospects		403
	<i>Original scientific paper</i>	
<i>J. Perić, R. Krstulović, T. Ferić</i> — Influence of crystallization parameters on aluminium trihydroxide particle size		415
	<i>Professional paper</i>	
<i>K. Grabowsky</i> — Inflation impact on the alumina cost price structure in Yugoslavia		423
 SESSION III — ALUMINIUM		
	<i>Original scientific paper</i>	
<i>A. Violante</i> — Factors affecting aluminium transformations		431
	<i>Original scientific paper</i>	
<i>L. C. O. Sirio</i> — Use of additives in electrolyte reduction cells and its environmental impact		441
	<i>Original scientific paper</i>	
<i>Deliana Chavdarova</i> — Development of technology for superplastic Al-Mg alloys production		451
 ROUND TABLE		
<i>Gy. Bárdossy, G. J. J. Aleva</i> — The Amazon Basin. A discussions review		455
 PAPER NOT DELIVERED AT THE CONGRESS		
	<i>Original scientific paper</i>	
<i>B. Šinkovec, K. Sakač, L. Palinkaš, S. Miko</i> — Geology of bauxite deposits in the Lištica (Herzegovina) and Imotski (Dalmatia) regions, Yugoslavia		459