
*BIBLIOGRAPHY OF
CUBAN GEOLOGY*

COMPILED BY

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INTRODUCTION

The titles listed in the following section include published or widely circulated material either collected for or noted during the preparation of the "Investigations into the Geology of Cuba" report. Although the bibliography may seem extensive, it should be considered neither comprehensive nor complete because large amounts of written material on the geology of the island remain unavailable. Most of oil company mapping data has either been lost or sit in files at the parent oil companies or in Cuban archives. Few of the Soviet Bloc papers on Cuba geology have been republished in the west, especially those dealing with specific areas of the island. The current Cuban geological literature, although prolific in view of the relatively small size of the country, has very limited circulation in the United States.

The titles of the listed articles have been translated into English. The language of the article is noted in parentheses following each entry. Most of the articles are written in Spanish, as would be expected, with lesser numbers written in English, French and German. Russian articles have not been included, except those translated into English and available in the United States.

The formats of Cuban literature citations have in the past tended to be less formal than those set by North American and European publications. Consequently, many of the following references may lack information as to journal, or volume, or page sequence.

BIBLIOGRAPHY OF CUBAN GEOLOGY

- _____, 19___. Geologic structure of allochthons of the northern Cuban hydrocarbon basin. _____, v., p.69-81. (Spanish)
- Adamovich, A. F., and V. Chejovich, 1964. Principal characteristics of the geology and the useful minerals of the northeast region of Oriente Province. *Revistas Tecnológica*, v.2, no. 1, p.14-20. (Spanish)
- Albear Fránquiz, J. F. de, and M. A. Iturralde-Vinent, 1978. Structural-facies zonation of the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p. 68-76. (Spanish)
- Albear Fránquiz, J. F. de, and M. A. Iturralde-Vinent, 1978. Stratigraphy of the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p.12-54. (Spanish)
- Albear Fránquiz, J. F. de, and M. A. Iturralde-Vinent, 1978. Tectonic position of the gabbro-peridotite complex in the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p.87-92. (Spanish)

- Albear Fránquiz, J. F. de, and M. A. Iturralde-Vinent, 1978. Structural-facies zonation of the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p. 68-76. (Spanish)
- Albear Fránquiz, J. F. de, and M. A. Iturralde-Vinent, 1978. Stratigraphy of the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p.12-54. (Spanish)
- Albear Fránquiz, J. F. de, and M. A. Iturralde-Vinent, 1978. Tectonic position of the gabbro-peridotite complex in the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p.87-92. (Spanish)
- Albear Fránquiz, J. F. de, and M. A. Iturralde-Vinent, 1978. Structural stages in the territory of the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p.77-86. (Spanish)
- Alsina de la Nuez, P., J. Y. Alvarez-Castro, and others, 1968. Geologic considerations about possibilities of commercial hydrocarbon production in the area of Cauto. *Rev. Tecnológica*, v. 6, nos. 1,2, p.____. (Spanish)
- Ball, M. M., R. M. Bowles, E. L. Coward, J. E. Dodd, R. G. Martin, W. D. Bock, R. E. Sylwester, D. Taylor, and L. Gilbert, 1984. Geophysical measurements on northern edge of Bahama-Cuban collision zone. *Oil and Gas J. (Dec. 3)* p.132-141. (English)
- Ball, M. M., R. G. Martin, W. D. Bock, R. E. Sylwester, R. M. Bowles, D. Taylor, E. L. Coward, J. E. Dodd and L. Gilbert, 1985. Seismic structure and stratigraphy of northern edge of Bahaman-Cuban collision zone. *Bull. Am. Assoc. Pet Geol.*, v.69, p. 1275-1294. (English)
- Bandy, O., 1964. Foraminiferal biofacies in sediments of the Gulf of Batabano, Cuba, and their geologic significance. *Bull. Am Assoc. Pet. Geol.* v. 48, p.1666-1679. (English)

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Barros, J. A., 1987. *Stratigraphy, Structure and Paleogeography of the Jurassic-Cretaceous Passive Margin in Western and Central Cuba*. M.S. Thesis, University of Miami, 150 pp. (English)
- Beckmann, J. P., 1958. Correlation of pelagic and reefal faunas from the Eocene and Paleocene of Cuba. *Eclog. Geol. Helvetiae*, v. 51, p. 416-422. (English)
- Benes, K., 19___. Structural elements of the central part of the San Cayetano Formation. _____, v. ___, p. 7-11. (Spanish)
- Bermudez, P. J., 1950. *Contribution to the study of the Cuban Cenozoic*. Memorias de la Sociedad Cubana de Historia Natural, No.19, 205 pp. (Spanish)
- Bermudez, P. J., 1961. *Geological formations of Cuba*. Inst. Cubano de Recursos Minerales, La Habana, ___ pp. (Spanish)
- Bermudez, P. J., 1964. Additions to the formations of Cuba. *Rev. Tecnológica*, v. 3, no. 2, p. 29-34. (Spanish)
- Bermudez, P. J., and R. Hoffstetter, 1959. *Stratigraphic lexicon of Cuba*. Sp Lexique Stratigraphique International, 5, Améique Latine, Fasc. 2c, Cuba et Iles Adjacents, 140 pp. (French?)
- Boiteau, A., J. Butterlin, A. Michard and P. Saliot, 1972. The Purial Ophiolite Complex (Oriente, Cuba) and its high pressure metamorphism: problems of dating and correlation. *Comptes rendus Acad. Sci. (Paris), Ser. D.*, v. 275, p. 895-898. (French. Republished in English in Mattson, P. H. (ed.), 1977, *West Indies Island Arcs*, Benchmark Papers in Geology 33, Dowden, Hutchinson and Ross, PA, p. 141-144)
- Boiteau, A., A. Michard and P. Saliot, 1972. High pressure metamorphism within the Purial Ophiolite complex (Oriente, Cuba). *Comptes rendus Acad. Sci. (Paris), Ser. D.*, v. 274, p. 2137-2140. (French. Republished in English in Mattson, P. H. (ed.), 1977, *West Indies Island Arcs*, Benchmark Papers in Geology 33, Dowden, Hutchinson and Ross, PA, p. 145-151)

- Bold, W. A. van den, 1973. Distribution of *Ostracoda* in the Oligocene and Lower and Middle Miocene of Cuba. *Caribbean J. Sci.*, v. 13, no. 3,4, p. __. (English)
- Bold, W. A. van den, 1975. Ostracodes from the late Neogene of Cuba. *Bull. American Pal.*, v. 68, p. __. (English)
- Bolotin, Y. A., A. Y. Yidkov, A. A. Maxov and R. Sosa, 1970. Sulphurous mineral deposits of the Escambray metamorphic series in the northeast part of the mountain massif of the same name. *Rev. Tecnológica*, v. 8, no. 2, p. 73-81. (Spanish)
- Bona, J., and E. Nagy, 1981. Nannoplankton of the Upper Cretaceous terrigenous sequences in eastern Cuba. *Cien. Tierra Espac.*, no. 3, p. 31-35. (Spanish)
- Borukayev, Ch. B., 1978. General analysis of the structural patterns of Cuba. *Geotectonics*, v. __, p. 199-204. (English, translation of Russian article)
- Bovenko, V. G., B. Ye. Shcherbakova and G. Hernandez, 1981. Topography of the Mohorovicic discontinuity beneath eastern Cuba. *Transactions of the USSR Acad. Sci., Earth Science Sections*, v. 256, p. 8-12. (English, translation of Russian article)
- Bovenko, V.G., B. Ye. Shcherbakova, and G. Hernandez, 1982. New geophysical data on the deep structure of eastern Cuba. *Int. Geol. Rev.*, v. 24, p. 1155-1162. (English, translation of Russian article)
- Boyanov, I., G. Goranov and R. Cabrera, 1975. Some new data on the geology of the amphibolite complexes and granites in the southern part of Las Villas. *Serie Geol. 19, Inst. Geo. Paleo.*, Acad. Cien. Cuba, p. __. (Spanish)
- Bresznyánszky, K., and M. A. Iturralde-Vinent, 1978. Paleogeography of the Paleogene of the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p. 100-115. (Spanish)
- Bresnyanszky, K., and M. A. Iturralde-Vinent, 1978. Paleogene paleogeography of eastern Cuba. *Geologie en Mijnbouw*, v. 57, p. 123-133. (Spanish)
-

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Breznysnyszky, K., D. P. Coutin and P. Jakus, 1981. New aspects concerning the basal complex in eastern Cuba. *Cien. Tierra Espac.*, no. 3, p. 23-30. (Spanish)
- Breznysnyszky, K., and M. A. Iturralde-Vinent, 1983. Paleogeography of the Paleocene of eastern Cuba. In *Contributions on the Geology of Eastern Cuba*, Editorial Científico-Técnica, Ciudad de la Habana, p. 115-126. (Spanish)
- Breznysnyszky, K., G. L. Franco and Gy. Radócz, 1983. Comparative profiles of the Caba Cruz and Miasí areas. In *Contributions on the Geology of Eastern Cuba*, Editorial Científico-Técnica, Ciudad de la Habana, p.169-172. (Spanish)
- Brito, A., 1980. Geology, mineralogy and genesis of the zeolite rocks of the former Oriente Province. *Informe Científico-Técnico No. 145*, Acad. Cien. Cuba, 34 pp. (Spanish)
- Brito, A., 1983. New aspects of the subdivision of the Cobre Formation. In *Contributions on the Geology of Eastern Cuba*, Editorial Científico-Técnica, Ciudad de la Habana, p. 86-89. (Spanish)
- Brito-Rojas, A., and D. F. Coutin-Corres, 1985. Zeolitic rocks in western Cuba. *Rev. Tecnológica*, v. 15, no. 1, p. 61-68. (Spanish)
- Bronnimann, P., 1953. On the occurrence of calpionellids in Cuba. *Eclogae Geol. Helvetiae*, v. 46, p. 263-268. (English)
- Bronnimann, P., 1955. Microfossils *incertae sedis* from the Upper Jurassic and Lower Cretaceous of Cuba. *Micropaleontology*, v. 1, p. 28-49. (English)
- Bronnimann, P., and P. Norton, 1960. On the classification of fossil fecal pellets and description of new forms from Cuba, Guatemala and Libya. *Eclogae Geol. Helvetiae*, v. 53, p. 832-842. (English)
- Bronnimann, P., and D. Rigassi, 1963. Contribution to the geology and paleontology of the area of the City of La Habana, Cuba, and its surroundings. *Eclogae Geol. Helvetiae.*, v. 56, p. 1-480. (English)

- Brown, B., and M. O'Connell, 1922. Correlation of the Jurassic formations of western Cuba. *Bull. Geol. Soc. Amer.*, v. 33, p. 639-664. (English)
- Bush, V. A., and L. A. Kondakov, 1986. Preparation of medium-scale tectonic maps on a geodynamic basis: The example of the Cuban island arc. *Intern. Geology Rev.*, v. 28, p. 266-276. (English, translation of Russian article)
- Bush, V. A., and I. N. Shcherbakova, 1986. New data on the deep tectonics of Cuba. *Geotectonics*, v. 20, no. 3, p. 192-203. (English, translation of Russian article)
- Cabrera, R., 1971. Preliminary report about copper occurrences in the Mal Nombre area, in the region of Toa, Baracoa, Oriente. *Serie Geol. 8, Inst. Geol. Paleo.*, Acad. Cien. Cuba, p. ___. (Spanish)
- Cabrera, R., J. L. Kramer and G. Pantaleon, 1984. Relationship of magmatism and ore deposits with tectonics zonation of Cuba. *Cien. Tierra Espac.*, no. 9, p. ___. (Spanish)
- Cabrera, R., and A. E. Tolkunov, 1979. Types and geological conditions for localization of gold occurrences in the northern mineral zone of the former Las Villas Province. *Cien. Tierra Espac.*, no.1, p. 51-68. (Spanish)
- Cech, F., and M. Matherny, 1966. Garnets of the garnetiferous amphibolites of the Valle de Hermanas, Pinar del Rio Province. *Rev. Tecnológica*, v. 4, no. 5, p. 59-63. (Spanish)
- Cobiella, J. L., 19___. A melange in eastern Cuba. *La Minería en Cuba*, v. 4, no. 4, p. 46-51. (Spanish)
- Cobiella, J. L., 1974. Serpentine massifs of Sabanilla, Mayari Arriba, Oriente. *Rev. Tecnológica*, v. 12, no. 4, p. 41-50. (Spanish)
- Cobiella, J., M. Campos, A. Boiteau and F. Quintas, 1977. Geology of the south flank of the Sierra Del Purial (I). *La Minería en Cuba*, v. 3, no. 1, p. 55-62. (Spanish)

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Cobiella, J., M. Campos, A. Boiteau and F. Quintas, 1977. Geology of the south flank of the Sierra Del Purial (II). *La Minera en Cuba*, v. 3, no. 2, p. 44-53. (Spanish)
- Cobiella, J., F. Quintas, M. Campos and M. M. Hernandez, 1984. *Geology of the central and southeast region of Guantánamo Province*. Editorial Oriente, Santiago de Cuba, 125 pp. (Spanish)
- Coutin, D., and A. Brito, 1975. Characteristics of zeolitization in sedimentary rocks of volcanic origin in eastern Cuba. *Serie Geol.20, Inst. Geol. Paleo.*, Acad. Cien. Cuba, ___pp. (Spanish)
- Coutin, D. P., E. Dudich and E. Nagy, 1979. Characteristics of bauxite accumulations in Guantanamo Province, Cuba. *Informe Científico-Técnico 153*, Acad. Cien. Cuba, 34 pp. (Spanish)
- Coutin, D. P., E. Nagy and F. Rivero, 1980. Remote sensing in the study of the semicircular structure south of Holguin (eastern zone of Cuba). *Cien. Tierra Espac.*, no. 2, p. 43-51. (Spanish)
- DeGolyer, E., 1918. The geology of Cuban petroleum deposits. *Bull. Am Assoc. Pet. Geol.* v. 2, p. 133-167. (English)
- Diaz Otero, C., 1984. Paleoeologic considerations on the carbonate bank of the Sierra de Cubitas, Camaguey Province, Cuba. _____, v. __, p. 8-24. (Spanish)
- Diaz de Villalvilla, L. , 1985. Proposal for a division of the so-called Tobas Formation (Cienfuegos, Villa Clara and Sancti Spiritus Provinces). *Serie Geol. 1, Inst. Geol. Paleo.*, Acad. Cien. Cuba, p. 133-154. (Spanish)
- Dickerson, R. E., and W. H. Butt, 1935. Cuban Jurassic. *Bull. Am. Assoc. Pet. Geol.*, v. 19, p. 116-118. (English)
- Dilla, M., and L. Garcia, 1984. Stratigraphy and sedimentogenesis of the superpositioned basins of central Cuba. *Serie Geol. No.3, Inst. Geol. Paleo.*, Acad. Cien. Cuba, ___ pp. (Spanish)

- Dilla, M., and L. Garcia, 1985. New data on the stratigraphy of the provinces of Cienfuegos, Villa Clara and Sancti-Spiritus. *Serie Geol. 1, Inst. Geol. Paleo.*, Acad. Cien. Cuba, p. 53-77. (Spanish)
- Ducloz, Ch., 1963. Geomorphic study of the region of Matanzas, Cuba. *Archs. Sci. Genève*, v. 16, p. 351-402. (French)
- Ducloz, Ch., and M. Vuagnat, 1962. On the age of serpentines of Cuba. *Archs. Sci. Genève*, v. 15, p.310-331. (French)
- Echevarria, B., F. Talavera Coronel, D. Tchounev and I. Iordanov, 1986. Petrography and geochemistry of vulcanites in the region Guáimaro-Las Tunas (Cuba). *Cien. Tierra Espac.*, no. 11, p. 27-35. (Spanish)
- Echevarria, B., F. Talavera Coronel, D. Tchounev, T. Tzankov and S. Ianev, 1986. Preliminary data on the Cretaceous volcanic arc in the region Rio Jobabo - Ciudad Las Tunas. Sp *Cien. Tierra Espac*, no. 11, p. 37-48.
- Echevarria, G., 1976. The production of oil in Cuba. *La Miniera en Cuba*, v. 2, no. 3, p. 73-75. (Spanish)
- Echevarria, H., N. V. Shablinskaya and V. I. Shatsilov, 1974. New data on the crustal structure of western Cuba. *Int. Geol. Rev.*, v. __, p. 59-61. (English, translation of Russian article)
- Eguipko, O., I. Garapko, K. Sukar and E. Saunders, 1975. Metamorphic zonation and other geological aspects of the Isle of Pines. *La Minería en Cuba*, v. 1, no. 1, p. 4-10. (Spanish)
- Eguipko, O., and M. Perez, 1976. Brief petrographic and petrochemical characteristics of the main types of magmatic rocks in the central part of the Sierra Maestra. *Centr. Invest. Geol., M. M. G., Serie. Geol. 1*, p. __. (Spanish)
- Eguipko, O., K. Sukar, V. Pavlov, M. Perez, A. Gurbanov and T. Soto, 1984. Principal petrochemical peculiarities of granites from the Cuban eugeosyncline and their formation. *Cien.Tierra Espac.*, no. 9, p.63-73. (Spanish)

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Feoktistov, V. P., I. A. Aniyatov and A. Norman, 1983. Metallogeny of western Cuba. *Int. Geol. Rev.*, v. 25, p. 309-318. (English, translation of Russian article)
- Fernández-Rodríguez, G., S. Blanco-Bustameante and L. Diaz-Collell, 19___. Biostratigraphic and microfacies study of the Campanian-Maastrichtian parautochthonous deposits of the Boca de Jaruco-Via Blanca area. _____, v. ___, p. 25-35. (Spanish)
- Fesenko, G. S., R. N. Volodin and V. Ya. Yukhvit, 1974. Localization conditions and characteristics of oxidized zones in deposits of sulfide ores in northwestern Cuba. *Int. Geol. Rev.*, v. 16, p.1257-1268. (English, translation of Russian article)
- Flint, D. E., J. F. de Albear and P. W. Guild, 1947. Geology and chromite deposits of Camaguey district, Camaguey Province, Cuba. *U.S. Geol. Surv. Bull.*, v. 954B, p. 39-63. (English)
- Flores, R., J. Oro, and J. Piotrowski, 1982. Characteristics of volcanogenetic sediments of the Zaza zone in Yumuri Valley. *J. Cien. Inst. Geol. Paleo.*, Acad. Cien. Cuba, p. 35-38. (Spanish)
- Flores, R., J. Oro, and J. Piotrowski, 1982. Structure of nappes in the Yumuri Valley. *J. Cien. Inst. Geol. Paleo.*, Acad. Cien. Cuba, p. 39-42. (Spanish)
- Florez-Abín, E., 1978. Radiolarians of some formations of the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p. 131-132. (Spanish)
- Florez-Albin, E., and G. Fernández, 1985. Biostratigraphy of the limit between Paleocene-Lower Eocene sediments (Alkazar and Capdevila Formations) in Havana City Province. *Rev. Tecnológica*, v. 15, no. 1, p. 8-18. (Spanish)
- Fonseca, E., V. M. Zelepuguin and M. Heredia, 1984. Particulars of the structure of ophiolites in Cuba. *Cien. Tierra Espac.*, no. 9, p. 31-45. (Spanish)

- Formell-Cortina, F., 1979. Morphogenic classification of the weathered nickeliferous deposits in the ultrabasic rocks of Cuba. *Cien. Tierra. Espac.*, no. 1, p. 33-49. (Spanish)
- Franco, G. L., 1983. Considerations about the Oligo-Miocene deposits of Guantanamo. In *Contributions on the Geology of Eastern Cuba*, Ed. Científico-Técnica, La Habana, p. 138-143. (Spanish)
- Franco, G. L., 1983. Geologic column of the Tertiary of the Golfo de Guacanayabo. In *Contributions on the Geology of Eastern Cuba*, Editorial Científico-Técnica, Ciudad de la Habana, p. 127-133. (Spanish)
- Franco, G. L., 1983. Observations on the Neogene-Quaternary of the far eastern coastal band of Cuba. In *Contributions to the Geology of Eastern Cuba*, Editorial Científico-Técnica, Ciudad de la Habana, p. 144-162. (Spanish)
- Franco, G. L., 1985. Tectono-environmental classification of Neogene deposits in eastern Cuba. *Cien. Tierra Espac.*, no. 10, p. 57-67. (Spanish)
- Franco, G. L., 1986. Scheme of the history of sedimentation during the Neogene in eastern Cuba. *Cien. Tierra Espac.*, no. 11, p. 81-91. (Spanish)
- Franco, G. L., and G. Radócz, 1983. Concerning Recent marine sediments. In *Contributions on the Geology of Eastern Cuba*, Editorial Científico-Técnica, Ciudad de la Habana, p. 163-168. (Spanish)
- Franco, G. L., G. Radocz and E. Nagy, 1981. Contribution to the study of fossil coral facies development in eastern Cuba. *Acta. Geol. Scient. Hungaricae*, v. 24, no. 2-4, p. 257-264. (Spanish)
- Franco, G. L., and A. de la Torre, 1980. The southern coastal deposits of the Isle of Youth (Isle of Pines), Cuba. *Cien. Tierra Espac.*, no. 2, p. 3-13. (Spanish)
- Furrazola-Bermudez, G., 1965. Three new species of Upper Jurassic tintinnoids from Cuba. *Publ. Esp. 2 Inst. Cubano Rec. Min.*, p. 1-38. (Spanish)

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Furrazola-Bermudez, G., 1978. New data on the Mercedes Formation, of the Danian. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p. 55-58. (Spanish)
- Furrazola-Bermudez, G., V. Alioshin, V. Basov, V. Burov and G. Kuzovkov, 1976. Western Sierra Maestra. New data. Stratigraphy of the Upper Cretaceous. *La Miniera en Cuba*, v. 2, no.3, p. 50-62. (Spanish)
- Furrazola-Bermudez, G., V. A. Basov, G. N. Kuzovkov, V. M. Alioshin and V. A. Burov, 1976. New stratigraphic data on the Upper Cretaceous, western Sierra Maestra. *La Minería en Cuba*, v. 2, no. 3, p. 50-61. (Spanish)
- Furrazola-Bermudez, G., G. Fernandez and S. Blanco, 1976. Proof of the Danian horizon in Cuba. *La Miniera en Cuba*, v. 2 no. 1, p. 47-53. (Spanish)
- Furrazola-Bermudez, G. and C. M. Khudoley, 1969. Geology of northeast Pinar del Rio Province. *Rev. Tecnológica*, v. 7 nos. 3,4, p. 21-27. (Spanish)
- Furrazola-Bermudez, G., K. Khudoley, M. Mijailovskaya, Y. Miroljubov, I. Novojatsky, A. N. Jimenez, and J. Solsona, 1964. *The Geology of Cuba*. Ed. Nac. de Cuba, La Habana, 239 pp. (Spanish. English translation available through Joint Publications Research Service, U.S. Department of Commerce)
- Furrazola-Bermudez, G., V. I. Kuznetsov, R. Garcia-Sanchez and V. A. Basov, 1979. Stratigraphy of the Meso-Cenozoic deposits of the north coast of western Cuba (Habana-Matanzas). *La Miniera en Cuba*, v. 5, no. 1, p. 2-13. (Spanish)
- Furrazola-Bermudez, G., J. R. Sanchez, R. Garcia, R. Millan, and others, 1985. General stratigraphy of the region of western Cuba. *Centro. Invest. Geol. No. 215*, _____, 55 pp. (Spanish)
- Furrazola-Bermudez, G., J. R. Sanchez-Arango, R. Garcia-Sanchez and V. A. Basov, 1978. New stratigraphic correlation chart of the principal geological formations of Cuba. *La Minería en Cuba*, v. 4, no.3, p. 36-52. (Spanish)

- García, R., J. R. Sánchez and G. Furrázola, 1985. Field trip guide for the north coast of La Habana / Matanzas. *Centro Invest. Geol.*, La Habana, 14 pp. (Spanish)
- García-Méndez, L. M., 1978. Stratigraphy of the north Bayate area: Guantanamo. *La Miniera en Cuba*, v. 4, no. 3, p. 71-79. (Spanish)
- García-Sánchez, R., 1976. Lithofacies of the miogeosynclinal complex of Cuba. *La Miniera en Cuba*, v. 4, no. 1, p. 7-17. (Spanish)
- García-Sánchez, R., 1978. Notes on the geologic-structural constitution of the Los Palacio depression. *La Miniera en Cuba*, v. 4, no.3, p. 30-36. (Spanish)
- González, E., C. Cañate, R. Carral and J. L. Díaz, 1986. Study of neotectonic movements in the Mayari-Baracoa massif. *Serie Geologica No. 3*, p. 15-30. (Spanish)
- Gregory, W. K., 1923. A Jurassic fish fauna from western Cuba, with an arrangement of families of holostean granoid fishes. *Bull. Am. Mus. Nat. Hist.*, v. 48, p. 223-242. (English)
- Grodzicki, J., 1972. Characteristics of the Manacas member of the Pinos Formation in the west of the Sierra de San Carlos, Pinar del Rio Province. *Actas 2, Inst. Geol.*, Acad. Cien. Cuba, p. 48-50. (Spanish)
- Guild, P. W., 1947. Petrology and structure of the Moa chromite district, Oriente Province, Cuba. *Transactions, Am. Geophys. Union*, v. 28, p. 218-246. (English)
- Gurko, N. N., M. Marrero and M. Principe, 1982. Influence of secondary factors on the light hydrocarbon composition of oils of the central depression of Cuba. *Int. Geol. Rev.*, v. 24, p. 99-104. (English, translation of Russian article)
- Gutiérrez-Domech, M.R., 1968. Brief note about the Jurassic period in Pinar del Rio Province, Cuba. *Publ. Espec. 5*, Inst. Nacion. Rec. Hidr., p. 3-23. (Spanish)

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Gyarmati, P., 1983. Intermediate intrusive rocks in eastern Cuba. In *Contributions on the Geology of Eastern Cuba*, Editorial Científico-Técnica, Ciudad de la Habana, p. 99-111. (Spanish)
- Gyarmati, P., 1983. The metamorphic formations of eastern Cuba. In *Contributions on the Geology of Eastern Cuba*, Editorial Científico-Técnica, Ciudad de la Habana, p. 90-98. (Spanish)
- Gyarmati, P., and A. Brito, 1983. Genetic relationships among abyssal, subvolcanic and volcanic rocks in Sierra Maestra. In *Contributions on the Geology of Eastern Cuba*, Ed. Científico-Técnica, La Habana, p. 112-114. (Spanish)
- Haczewski, G., 1976. Sedimentological reconnaissance of the San Cayetano Formation: an accumulative continental margin in the Jurassic of western Cuba. *Acta Geologica Polonica*, v. 26, p. 331-___. (English)
- Hatten, C. W., 1957. Geology of the central Sierra de los Organos, Pinar del Rio Province, Cuba. *Unpublished report*, 48 pp. (English)
- Hatten, C. W., 1967. Principal features of Cuban geology: Discussion. *Bull. Am. Assoc. Pet. Geol.*, v. 51, p. 780-789. (English)
- Hatten, C. W., O. E. Schooler, N. Giedt and A. A. Meyerhoff, 1958. Geology of central Cuba, eastern Las Villas and western Camaguey Provinces, Cuba. *Unpublished report*, 174 pp. (English)
- Hatten, C.W., M. Somin, G. Millan, P. Renne, R. W. Kistler and J. M. Mattinson, 1988. Tectonostratigraphic units of central Cuba. In *Transactions of the 11th Caribbean Geol. Conf., Barbados, 1986*, p. 35.1-35.13. (English)
- Hermes, J. J., 1945. *Geology and paleontology of east Camaguey and west Oriente*. Geogr. Geol. Mededeel. (Utrecht) Phys. Geol. Reeks. 7, 75 pp. (English)
- Hernandez-Sarlabo, M., 19___. Preliminary data about the petrographic characteristics of the rocks of the Sierra Plurial Massif. _____, v. __, p. 2-7. (Spanish)

- Herrera, N., 1961. Contribution to the stratigraphy of the Pinar del Rio Province. *Rev. Soc. Cubana Ing.*, v. 61, nos. 1,2, p. 2-24. (Spanish)
- Hill, P. A., 1959. Geology and structure of the northwest Trinidad mountains, Las Villas Province, Cuba. *Bull. Geol. Soc. Am.*, v. 70, p. 1459-1478. (English)
- Housa, V., 1969. Neocomian rhyncholites from Cuba. *J. Paleontology*, v. 43, p. 119-124. (English)
- Housa, V., 1974. The apticos of Cuba. "Lamellaptychus angulocostatus (Pet.)". *Serie Geol. 14, Inst. Geol. Paleo.*, Acad. Cien. Cuba, 76 pp. (Spanish)
- Housa, V., and M. de la Nuez, 1972. Discovery of Kimmeridgian ammonites in Hacienda El Americano (Pinar del Rio). *Actas 2, Inst. Geol.*, Acad. Sci. Cuba, p. 14-16. (Spanish)
- Housa, V., and M. de la Nuez, 1973. Ammonite fauna of the Tithonian and lowermost Cretaceous of Cuba. *Actas 3, Inst. Geol.*, Acad. Cien. Cuba, p. 18-19. (Spanish)
- Housa, V., and M. de la Nuez, 1975. Ammonite fauna of the Tithonian and lowermost Cretaceous of Cuba. *Mém. B.R.G.M., No. 86*, p. 57-___. (French)
- Imlay, R. W., 1942. Late Jurassic fossils from Cuba and their economic significance. *Bull. Geol. Soc. Am.*, v. 53, p. 1417-1477. (English)
- Ipatenko, S., M. Kopnin, and S. Shijov, 1971. Using gravimetric exploration to study the crustal structure of the Island of Cuba and adjacent territory. *Rev. Tecnológica*, v. 9, no 2, p. 40-46. (Spanish)
- Ilturralde-Vinent, M. A., 1968. Remarks on "Fundamentals of mid-Tertiary stratigraphical correlation" in reference to Cuba. *J. Paleontology*, v. 42, p. 230-231. (English)
- Ilturralde-Vinent, M. A., 1969. Neogene stratigraphy in western Cuba: New Data. *Bull. Am Assoc. Pet. Geol.*, v. 54, p. 1938-1955. (English)
- Ilturralde-Vinent, M. A., 1970. Principal characteristics of Cuban Neogene stratigraphy. *Bull. Am Assoc. Pet. Geol.*, v. 53, p. 658-661. (English)

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Iturralde-Vinent, M. A., 1971. Contribution to the study of stratigraphy and magmatism of Matanzas Province and east of Las Villas, Cuba. *Rev. Tecnológica*, v. 9, p. 27-39. (Spanish)
- Iturralde-Vinent, M. A., 1972. Principal characteristics of the Oligocene and Lower Miocene stratigraphy of Cuba. *Rev. Tecnológica*, v. 10, nos. 3,4, p. 24-35. (Spanish)
- Iturralde-Vinent, M. A., 1975. Problems with the application of modern hypotheses to Cuba and the Caribbean region. *Rev. Tecnológica*, v. 13, no. 1, p. 46-63. (Spanish)
- Iturralde-Vinent, M. A., 1975. Problems in the application of modern tectonic hypotheses to Cuba and the Caribbean region. *Bull. Am. Assoc. Pet. Geol.*, v. 59, p. 838-855. (English)
- Iturralde-Vinent, M. A., 1977. Stratigraphy of the area Calabazas-Achotal (I). *La Minería en Cuba*, v. 2, no. 4, p. 9-24. (Spanish)
- Iturralde-Vinent, M. A., 1977. Stratigraphy of the area Calabazas-Achotal (II). *La Minería en Cuba*, v. 3, no. 1, p. 32-41. (Spanish)
- Iturralde-Vinent, M. A., 1977. The tectonic movements during the platform development stage in Cuba. *Informe Científico-Técnico 20*, Acad. Cien. Cuba, p. 1-24. (Spanish)
- Iturralde-Vinent, M. A., 1978. Some geomorphological aspects of the territory of the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p. 5-11. (Spanish)
- Iturralde-Vinent, M. A., 1978. Mesozoic geological history of the Habana provinces. Sp in *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p. 94-99. (Spanish)
- Iturralde-Vinent, M. A., 1978. Engineer-geological evaluation of the area of the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Científico-Técnica, Ciudad de la Habana, p. 136-150. (Spanish)

- Iturralde-Vinent, M. A., 1981. New interpretative model of the geological evolution of Cuba. *Cien. Tierra Espac.*, no. 3, p. 51-89. (Spanish)
- Iturralde-Vinent, M. A., 1983. An expanding earth model explanation of the origin and evolution of Cuba. In Carey, S.W., *Expanding Earth Symposium, Sydney, 1981*, University of Tasmania, p. 215-218. (English)
- Iturralde-Vinent, M. A., 1986. Palinspastic reconstruction and paleogeography of the Lower Cretaceous of eastern Cuba and adjacent territory. *Rev. Minería y Geología*, no.1, p. 1-13. (Spanish)
- Iturralde-Vinent, M. A., and J. L. Morales, 1973. New data about the Upper Miocene and Pliocene of northern Matanzas. *Rev. Tecnológica*, v. 11, nos. 5,6, p. __. (Spanish)
- Iturralde-Vinent, M. A., and T. M. Morales, 1988. Middle Tithonian tholeiites in the Sierra de Camajan, Camagüey. Possible occurrence of oceanic crust. *Rev. Tecnológica*, v. 18, p. 25-32. (Spanish).
- Iturralde-Vinent, M. A., and F. D. Roque-Marrero, 1982. The Cubitas Fault: Its age and displacement. *Cien. Tierra Espac.*, no. 4, p. 58-70. (Spanish)
- Iturralde-Vinent, M. A., and F. D. Roque-Marrero, 1982. New data on the diapiric structures of Punta Alegre and Turiguanó, in the Ciego de Avila Province. *Cienc. Tierra Espacio*, no. 4, p. 47-55. (Spanish)
- Jakus, P., 1983. Volcano-sedimentary and sedimentary formations of eastern Cuba. In *Contributions on the Geology of Eastern Cuba*, Editorial Científico-Técnica, Ciudad de la Habana, p. 17-85. (Spanish)
- Jordanov, J. A., and M. de los Angeles Iriarte, 1986. Rare earth contents in volcanic rocks from the former Camaguey Province, Cuba. *Cien. Tierra Espac.*, no. 12, p. 26-35. (Spanish)
- Keijzer, F. G., 1945. *Outline of the Geology of the eastern part of the province of Oriente, Cuba (E of 76° W), with notes on the geology of other parts of the island*. Geogr. Geol. Mededeel (Utrecht) Phys. Geol. Reeks, Ser. 2, 239 pp. (English)

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Khudoley, K. M., 1967. Principal features of Cuban geology. *Bull. Am. Assoc. Pet. Geol.*, v. 51, p. 668-677. (English)
- Khudoley, C. M., and G. Furrázola-Bermúdez, 1968. *Jurassic stratigraphy and fauna of Cuba*. Instituto Cubano del Libro. La Habana, 126 pp. (Spanish)
- Khudoley, C. M., V. I. Krasnov, I. P. Novojatsky and E. Skriavina, 1963. *Map of Mineral Deposits in Cuba, 1:500000*. Ministerio de Industria, La Habana. (Spanish)
- Khudoley, K. M., and A. A. Meyerhoff, 1971. Paleogeography and geological history of Greater Antilles. *Geol. Soc. Am. Mem.* 129, 199 pp. (English)
- Kleschov, K. et al., 1977. Types of sedimentary basins in Cuba. *La Minería en Cuba*, v. 3, no. 4, p. __. (Spanish)
- Knipper, A. L., and others, 1967. Tectonic structure of the Sierra de los Organos mountains in the area of the town of Viñales, and the situation of serpentine coppers. *Rev. Geol.*, v. 1, p. 138-146. (Spanish)
- Knipper, A. L., and R. Cabrera, 1974. Tectonics and geological history of the suture zone between the mio and eugeosynclinal and the ultramafic belt of Cuba. In *Contributions to the Geology of Cuba, Special Publication 2, Inst. de Geol. Paleo.*, Acad. Cienc. Cuba, p. 14-77. (Spanish)
- Knipper, A., and M. Puig, 1967. Tectonic position of the ultrabasic protrusions in the northeast part of Oriente Province. *Rev. Geol.*, v. 1, p. __. (Spanish)
- Kojumdgieva, E. and N. Popov, 1982. Geographic and stratigraphic distribution of the molluscs and echinoderms of the Tertiary, in the former Province of Las Villas, Cuba. *Cien. Tierra Espac.*, no. 4, p.71-79. (Spanish)
- Konev, P. N., and S. R. Segura, 1979. The presence of olistostromes in the region Varadero-Cardenas. *La Miniera en Cuba*, v. 5, no. 4, p. 48-52. (Spanish)
- Konev, P. N., B. P. Teleguín, N. C. Torshin and G. Furrázola-Bermúdez, 19___. Litho-stratigraphic criterium for the search for bauxite in Pinar del Rio Province. _____, v. __, p. 12-16. (Spanish)

- Kozary, M. T., 1968. Ultramafic rocks in thrust zones of northwestern Oriente Province, Cuba. *Am. Assoc. Pet. Geol. Bull.*, v. 52, p. 2298-2317. (English)
- Kravchenko, G. G., and O. Vazquez-Santana, 1985. Structure and chrome possibilities in some regions of the Cuban ultrabasic massives. *Cien. Tierra Espac.*, no. 10, p. 37-55. (Spanish)
- Kreisel, K., and G. Furrázola-Bermúdez, 1971 *Preliminary Notes about the Distribution of Tintinnoids in Cuba, Special Publication 5*, _____, 24 pp.
- Krommelbein, K., 1956. The marine fossils (*Trigoniidae, Lamellibr.*) of the Cayetano Formation, western Cuba. *Senckenb. Leth.*, v. 37, nos. 3, 4, p. 331-335. (German)
- Krommelbein, K., 1962. Contributions to the geologic study of the Sierra de los Organos (Cuba). *Z. Deutsch. Geol. Ges.*, v. 114, p. 92-120. (German)
- Kuman, V. E., and R. R. Gavilan, 1965. Geology of the Isle of Pines. *Rev. Tecnológica*, v. 3, no. 4, p. 20-38. (Spanish)
- Kumpera, O., and V. Skvor, 1969. Contribution to the information on the geological development and structure of Cuba and the Caribbean region. *Vest. Ostréd. ust. geol.*, v. 44, p. 39-51. (?)
- Kuték, J., A. Pszczolkowski and A. Wierzbowski, 1976. The Francisco Formation and Oxfordian ammonite faunule from the Artemisa Formation, Sierra del Rosario, Western Cuba. *Acta Geol. Polonica*, v. 26, p. 299-320. (English)
- Kuznetsov, V. I., V. A. Bassov, G. Furrázola-Bermúdez, R. García-Sánchez, and J. R. Sánchez-Arango, 1977. Review of the stratigraphy of Mesozoic and Cenozoic sediments of Cuba. *La Miniera en Cuba*, v. 3, no. 4, p. 44-62. (Spanish)
- Kuznetsov, V. I., V. Bassov, G. Furrázola-Bermúdez, R. García-Sánchez, and J. R. Sánchez-Arango, 1980. Stratigraphy of Mesozoic and Cenozoic sediments in Cuba. In Shein, A., and others, *Geologic structure of the Republic of Cuba and its marine platform with views on the evaluation of hydrocarbon prospects*, Memoria del Tema 1, C.N.F.G., La Habana, p. ____ (Spanish)
-

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Kuznetsov, V. I., J. R. Sanchez, G. Furrázola, and R. Garcia, 1985. New data on the thrust sheets of the north coast of Cuba. *Serie Geol. __, Inst. Geol. Paleo., Acad. Cien. Cuba*, p. 106-118. (Spanish)
- Laverov, N., and R. Cabrera, 1967. Some peculiarities of the geology of the surroundings of the El Cobre deposits relative to their genesis. *Rev. Geol., v. 1, no. 1*, p. __. (Spanish)
- Laznicka, P. J., Novak, Senovanei, Soucek and others, 1970. Petrology and mineralogy of the meridonal pendants of the Sierra Maestra, east of Santiago de Cuba. *Serie Oriente, v. 4*, p. __. (Spanish)
- Levichenko, V. A., and A. G. Ryabukhin, 1971. Block structure of the northern shelf of Cuba. *Geotectonics, v. 6*, p. 98-104. (English, translation of Russian article)
- Lewis, G. E., and J. A. Straczek, 1955. Geology of south-central Oriente, Cuba. *Bull. U.S. Geol. Surv., v. 975D*, p. 171-336. (English)
- Lewis, J. M., 1932. Geology of Cuba. *Bull. Am. Assoc. Pet. Geol., v. 16*, p. 533-555. (English)
- Lisitzin, A. I., 1970. Genetic types and normal positions of useful mineral deposits in Cuba. *Rev. Tecnológica, v. 8, no. 1*, p. 3-27. (Spanish)
- Lopez, J. G., and R. Rodriguez, 1984. Some particularities of the tectonics of the Mariel region. *Serie Geol. __, Inst. Geol. Paleo., Acad. Cien. Cuba., p. 63-71*. (Spanish)
- Lubimova, P.S. and J. R. Sanchez-Arango, 1974. *The Ostracodes of the Upper Cretaceous and Tertiary in Cuba. La Habana. _____, 171 pp.* (Spanish)
- Lupu, D., 1975. Senonian fauna and rudists of Pinar del Rio Province (Cuba). *Comptes Rendue Seances, 3. Paleontologie, v. 61*, p. 223-254. (French)
- MacGillavry, H. J., 1937. *Geology of the Province of Camaguey, Cuba, with revisional studies in rudist paleontology.* Geol. Geogr Mededeel (Utrecht) Phys. Geol. Reeks (14), 169 pp. (English)

- Malinovsky, E. P., and G. Carassou, 1972. Folding at Matahambre and its relation to the position of copper minerals. *Actas 2, , Inst. Geol., Acad. Cien. Cuba.*, p. 26-27. (Spanish)
- Malinovsky, E. P., and G. Carassou, 1974. Results of the geological investigation of the "La Constancia" copper deposits in Pinar del Rio Province. In *Contributions to the Geology of Cuba, Special Publication 2, Inst. de Geol. Paleo., Acad. Cienc. Cuba*, p. 93-104. (Spanish)
- Malinovski, Y. M., R. Segura Soto, E. Fonseca, N. Garcia, L. Antonenko, 1974. New data on the lithology and stratigraphy of Mesozoic and Cenozoic deposits of the north coast of Cuba [Habana-Matanzas]. *Rev. Tecnológica*, v. 2, p. 36-42. (Spanish)
- Mattson, P. H., 1974. Cuba. In Spencer, A. M. (ed.), *Mesozoic, Cenozoic Orogenic Belts*, Geol. Soc. London Special Paper 4, Scottish Academic Press, Edinburgh, p.625-639. (English)
- Meyerhoff, A. A., and C. W. Hatten, 1968. Diapiric structures in central Cuba. In Braunstein, J., and G. D. O'Brien, *Diapirism and Diapirs, Am. Assoc. Pet. Geol. Mem. 8*, p. 315-357. (English)
- Meyerhoff, A. A., M. M. Khudoley and C. W. Hatten, 1969. Geologic significance of radiometric dates from Cuba. *Bull. Am. Assoc. Pet. Geol.*, v. 53, p. 2494-2500. (English)
- Millan-Garcia, E., 1986. Theoretical aspects of the study of olistostromes: Their application to the well Dimas 1. *Serie Geol.3, Inst. Geol. Paleo., Acad. Cien. Cuba*, p. 88-104. (Spanish)
- Millan, G., 1972. The metamorphism and mesodeformation of the southernmost tectonic unit of the Sierra de los Organos. *Actas 2, Inst. Geol., Acad. Cienc. Cuba*, p. 33-35. (Spanish)
- Millan, G., 1973. The metamorphism of the Cretaceous volcanic complex surrounding the Escambray and the implications. *Actas 3, Inst. Geol., Acad. Cienc. Cuba*, p. 34-38. (Spanish)

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Millan, G., 1973. The two existing lithological complexes in the Escambray metamorphics, Las Villas Province. *Actas 3, Inst. Geol., Acad. Cienc. Cuba*, p.39-42. (Spanish)
- Millan, G., 1974. New data about the geology of the Isle of Pines metamorphic complex, Cuba. In *Contributions to the Geology of Cuba, Special Publication 2, Inst. de Geol. Paleo., Acad. Cienc. Cuba*, p. 105-115. (Spanish)
- Millan, G., 1975. The Mesozoic crystalline complex of the Isle of Pines. Metamorphism. *Serie Geol. 23, Inst. Geol. Paleo., Acad. Cien. Cuba*, 16 pp. (Spanish)
- Millan, G., 1981. Geology of the metamorphic massif of the Isla de la Juventud. *Cien. Tierra. Espac., no. 3*, p. 3-22. (Spanish)
- Millan, G. and R. Myczynski, 1978. Jurassic fauna and considerations on the age of metamorphic sequences in the Escambray. *Informe Científico-Técnico 80, Acad. Cien. Cuba*, 14 pp. (Spanish)
- Millan, G. and R. Myczynski, 1979. Jurassic Ammonite fauna and age of metamorphic sequences of Escambray. *Bull. Acad. Polon. Sci., v. 27*, p. 37-47. (English)
- Millan, G., and M. L. Somin, 1975. The metamorphism of the Cretaceous volcanic-sedimentary complex surrounding the Escambray. *Serie Geol. 18, Inst. Geol. Paleo., Acad. Cien. Cuba*, 8 pp. (Spanish)
- Millan, G., and M. L. Somin, 1976. Some considerations on Cuban metamorphism. *Serie Geol. 27, Inst. Geol. Paleo., Acad. Cien. Cuba*, p. 3-21. (Spanish)
- Millan, G., and M. L. Somin, 1981. *Lithology, stratigraphy, tectonics and metamorphism of the Escambray Massif*. Editorial Academia, La Habana, 104 pp. (Spanish)
- Millan, G., and M. L. Somin, 1985. Geological conditions of the granitic-metamorphic layer of the crust of Cuba. *Serie Geol. __, Inst. Geol. Paleo., Acad. Cien. Cuba*, p. 1-83. (Spanish)

- Millan, G., and M. L. Somin, 1985. Contribution to the geologic knowledge of the metamorphics of Escambray and Purial. *Reporte de Investigación 2*, Acad. Cien. Cuba, p. 52-74. (Spanish)
- Mormil', S., A. Norman, et al., 1980. *Geology and metallogeny of the Pinar del Rio region in the western part of Cuba*. _____, 452 pp. (Spanish)
- Mossakovskiy, A. A., and J. de Albear, 1978. The nappe structure of west and north Cuba and the history of its formation in the light of the study of olistostromes and molasse deposits. *Geotectonics*, v. 12, p. 225-236. (English, translation of Russian article)
- Mossakovskiy, A. A., and J. de Albear, 1979. Overthrust structure of western and northern Cuba and the history of its formation in light of the study of olistostromes and molasse. *Cien. Tierra Espac.*, no. 1, p. 3-31. (Spanish)
- Mossakovskiy, A. A., G. Ye. Nekrasov, and S. D. Sokolov, 1986. Metamorphic complexes and the problem of basement in Alpine structures of central Cuba. *Geotectonics*, v. 20, p. 178-191. (English, translation of Russian article)
- Myczynski, R., 1976. A new ammonite fauna from the Oxfordian of the Pinar del Rio Province, western Cuba. *Acta. Geol. Polonica.*, v. 26, p. __. (English)
- Myczynski, R., and W. Brochwicz-Lewinski, 1981. Cuban Oxfordian aspidoceratids: Their relation to the European one and their stratigraphic values. *Bull. Acad. Polon. Sci.*, v. 28, p. 325-330. (English)
- Myczynski, R., and A. Pszczolkowski, 1976. The ammonites and age of the San Cayetano Formation from the Sierra del Rosario, western Cuba. *Acta Geol. Polonica*, v. 26, p. __. (English)
- Nagy, E., 1972. Schematic transverse profile of Oriente from the point of view of plate tectonics. *Actas 2, Inst. Geol., Acad. Cienc. Cuba*, p. 63-66. (Spanish)
- Nagy, E., 1983. Essay on the structural-facies zones of eastern Cuba. In *Contributions to the Geology of Eastern Cuba*, Editorial Científico-Técnica, Ciudad de la Habana, p. 9-16. (Spanish)

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Nagy, E., and K. Brezsnysanzky, 1983. The Paleogene depression of Baracoa-Mata. In *Contributions on the Geology of Eastern Cuba*, Editorial Científico-Técnica, Ciudad de la Habana, p. 134-137. (Spanish)
- Nagy, E., and D. P. Coutin, 1980. Formal and informal lithostratigraphic subdivisions in the former province of Oriente. *Informe Científico-Técnico 109*, IAcad. Cien. Cuba, 7 pp. (Spanish)
- Nagy, E., and G. Radocz, 1973. Observations on the hornfels rocks of northern Oriente. *Actas 3, Inst. Geol., Acad. Cien. Cuba*, p.79-82. (Spanish)
- Nuez, M. L. de la, 1972. On the study of the "esquistos arcillosos rojizos" near the mogote Zacarías, Pinar del Rio Province. *Actas 1, Inst. Geol., Acad. Cienc. Cuba*, p. 19-20. (Spanish)
- Nunez-Jimenez, A., A. Andreu, A. S. Bogatiriov, I. P. Novojatsky and C. M. Kuhdoley, 1962. *Geologic map of Cuba. Scale 1:1000000*. Inst. Cubano Rec. Min., La Habana. (Spanish)
- Page, L. R., and J. F. MacAllister, 1944. Tungsten deposits: Isla La Pinos, Cuba. *Bull. U.S. Geol. Survey*, v. 935-D, p. 117-346. (English)
- Palmer, R. H., 1934. The geology of Havana, Cuba, and vicinity. *J. Geol.*, v. 42, p. 123-145. (English)
- Palmer, R. H., 1945. Outline of the geology of Cuba. *J. Geol.*, v. 53, p. 1-34. (English)
- Pardo, G., 1975. Geology of Cuba. In Nairn, A.E., and F. G. Stehli (eds.), *The Ocean Basins and Margins. Vol. 3: The Gulf of Mexico and the Caribbean*, Plenum Press, New York, p. 553-615. (English)
- Penebaker, E. N., 1944. Structural relations of the copper deposits at Matahambre, Cuba. *Econ. Geol.*, v. 39, p. 101-___. (English)
- Pérez, M., M. Gorova and G. Kuzakov, 19___. General characteristics of Sierra Maestra magmatism. _____, v. ___, p. 32-38. (Spanish)
- Pérez, M., T. Soto and K. Sukar, 1986. Petrological particularities of the granitoids of the Villa Clareñas Provinces. *Serie Geol. No. 3*, p. 3-11. (Spanish)
-

- Perez-Othon, J., and V. A. Yarmoliuk, 1985. *Geologic Map of Cuba. Scale 1:500000. (in 5 sheets)*. Ministerio de la Industria Basica, Centro de Investigaciones Geologicas, La Habana. (Spanish)
- Pérez-Parcareu, L. J., 19___. Geologic-geophysic considerations on northern Pinar del Rio. *Ciencias Técnicas*, v. ___, p. 117-131. (Spanish)
- Piotrowska, K., 1972. The tectonics of the Sierra de los Organos in the area within the locality of El Cangre, Santo Tomás, Santa Lucia, Bajá, and San Juan de Martinez. *Actas 2, Inst. Geol., Acad. Cien. Cuba*, p. 35-39. (Spanish)
- Piotrowska, K., 1975. The nappe development in the Sierra de los Organos (western Cuba). *Bull. Pol. Acad. Sci., Earth Sci.*, v. 23, p. 43-52. (English)
- Piotrowska, K., 1976. Outline of tectonics of the Pinar del Rio Province (Cuba). *Bull. Pol. Acad. Sci., Earth Sci.*, v. 24, p. 183-191. (English)
- Piotrowska, K., 1976. Tectonic style of the Sierra de los Organos (Cuba). *Bull. Pol. Acad. Sci., Earth Sci.*, v. 24, p. 217-226. (English)
- Piotrowska, K., 1978. Nappe structures in the Sierra de los Organos, western Cuba. *Acta Geol. Polonica*, v. 28, p. 97-170. (English)
- Piotrowska, K., 1982. Succession of deformation in Matanzas Province. *J. Cien. Inst. Geol. Paleont.*, v. 9, Acad. Cien. Cuba, p. 48-50. (Spanish)
- Piotrowska, K., 1986. Tectonics of the central part of Matanzas province. *Bull. Pol. Acad. Sci., Earth Sci.*, v. 34, p. 2-16. (Spanish)
- Piotrowska, K., 1986. Study of the deformations in Matanzas Province in comparison with Pinar del Rio Province. *Bull. Pol. Acad. Sci., Earth Sci.*, v. 34, p. 17-27. (Spanish)
- Piotrowski, J., 1977. First manifestations of volcanism in the Cuban geosyncline. *Bull. Pol. Acad. Sci., Earth Sci.*, v. 24, p. 227-234. (English)
- Piotrowski, J., 1986. The nappe units in the Yumurí and Caunavaco valleys. *Bull. Pol. Acad. Sci., Earth Sci.*, v. 34, p. 29-36. (Spanish)

- Piotrowski, J. and J. F. de Albear, 1986. The evolution of the evaporite sequence in Matanzas Province, Cuba. *Bull. Pol. Acad. Sci., Earth Sci.*, v. 34, p. 37-47. (Spanish)
- Piotrowski, J., and R. Myczynski, 1986. The volcanogenic-sedimentary deposits of the Zaza Zone in Matanzas Province. *Bull. Pol. Acad. Sci., Earth Sci.*, v. 34, p. 50-66. (Spanish)
- Ponce-Sevane, A., L. Danillok and others., 1985. "Pan de Guajaibón" bauxites in Cuba. *Rev. Tecnológica*, v. 15, no. 1, p. 51-60. (Spanish)
- Poplavskiy, I. T., 1966. Geologic structure of the Matahambre deposits. *Rev. Tecnológica*, v. 1, no. __, p. 39-52. (Spanish)
- Pszczolkowski, A., 1971. Jurassic, Cretaceous and Paleogene deposits of Sierra del Rosario (Cuba). *Bull. Pol. Acad. Sci., Earth Sci.*, v. 19, p. 249-259. (English)
- Pszczolkowski, A., 1977. Stratigraphic-facies sequences of the Sierra del Rosario (Cuba). *Bull. Polon. Acad. Sci., Earth Sci.*, v. 24, p. 193-203. (English)
- Pszczolkowski, A., 1977. Nappe structure of Sierra del Rosario (Cuba). *Bull. Polon. Acad. Sci., Earth Sci.*, v. 24, p. 205-215. (English)
- Pszczolkowski, A., 1978. Geosynclinal sequences of the Cordillera de Guaniguanico in western Cuba: their lithostratigraphy, facies development and paleogeography. *Acta Geol. Polonica*, v. 28, p. 1-96. (English)
- Pszczolkowski, A., 1981. The Jurassic carbonate bank of the Sierra de los Organos: its paleogeographic development. *Cien. Tierra Espac.*, no. 3, p. 37-50. (Spanish)
- Pszczolkowski, A., 1982. Cretaceous sediments and paleogeography in the western part of the Cuban miogeosyncline. *Acta Geol. Polon.*, v. 32, p. 135-161. (English)
- Pszczolkowski, A., 1983. Tectonics of the Cuban miogeosyncline in a limited area in Matanzas and Villa Clara Provinces. *Cien. Tierra Espac.*, no. 6, p. 53-61. (Spanish)

- Pszczolkowski, A., 1985. About the age of metamorphism and tectonic structure of the Cangre Belt, Pinar del Rio Province, Cuba. *Cien. Tierra Espac.*, no. 10, p. 31-36. (Spanish)
- Pszczolkowski, A., 1986. Maestrichtian megabeds in western and central Cuba. *Bull. Pol. Acad. Sci., Earth Sci.*, v. 34, p. 82-94. (Spanish)
- Pszczolkowski, A., 1986. Composition of the clastic material from the arenites of the San Cayetano Formation, in Sierra de los Organos (Pinar del Rio Province, Cuba). *Cien. Tierra Espac.*, no.11, p. 67-78. (Spanish)
- Pszczolkowski, A., and J. F. de Albear, 1982. Bahía Honda structural-facies subzone, Pinar del Rio: its tectonics and data about the sedimentation and paleogeography of the Upper Cretaceous and the Paleogene. *Cien. Tierra Espac.*, v. 5, p. 3-24. (Spanish)
- Pszczolkowski, A., and J. F. de Albear, 1983. The volcano-sedimentary sequence of the Sierra del Rosario, Pinar del Rio Province, Cuba. *Cien. Tierra Espac.* no. 6, p. 42-52. (Spanish)
- Pszczolkowski, A., and R. Flores, 1986. Cretaceous and Paleogene tectonic phases in western and central Cuba. *Bull. Pol. Acad. Sci., Earth Sci.*, v. 34, p. 95-111. (Spanish)
- Pugaczewska, H., 1978. Jurassic pelecypods from Cuba. *Acta Palaeont. Polonica*, v. 23, p. 163-186. (English)
- Pushcharovskiy, Yu., A. L. Knipper and M. Puig-Rifa, 1966. *Tectonic map of Cuba. Scale 1:250000.* Acad. Cien., Cuba. (Spanish)
- Pushcharovskiy, Yu., A. L. Vtulochkin, A. A. Mossakovskiy, G. Ye. Nekrasov and S. D. Sokolov, 1987. Crustal structure and types of Cuba. *Transactions of the USSR Acad. Sci., Earth Science Sections*, v. 294, p. 47-50. (English, translation of Russian article)
- Rigassi-Studer, D., 1961. New views of Cuban geology. *Chronique des Mines et de la Recherche Miniere*, v. 29, no. 302, p. 3-7. (French. Republished in English in Mattson, P. H. (ed.), 1977, *West Indies Island Arcs*, Benchmark Papers in Geology 33, Dowden, Hutchinson and Ross, PA, p. 134-150)

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Rigassi-Studer, D., 1963. The geology of the Sierra de los Organos, Cuba. *Arch. Sci. Soc. Phys. Hist. Nat. G eneve*, v. 16, p. 339-350. (French. Republished in English in Mattson, P. H. (ed.), 1977, *West Indies Island Arcs*, Benchmark Papers in Geology 33, Dowden, Hutchinson and Ross, PA, p. 120-133)
- Rutten, L. M. R., 1934. Geology of Isla de Pinos, Cuba. *Proc. Kon. Akad. Wetensch.*, v. 37, p. 401-406. (English)
- Rutten, L. M., 1940. On the age of serpentines in Cuba. *Proc. Kon. Akad. Wetensch.*, v. 43, p. 1-8. (English)
- Rutten, M. G., 1936. *Geology of the northern part of the province Santa Clara, Cuba*. Geol. Geol. Meded., Phys. Geol. Reeks., 11, Utrecht, ___ pp. (English)
- San Rom n-Gonz ales, R., and F. Alfonso-Lopez, 19___. Importance of the Upper Campanian-Maestrichtian deposits of the orogenic complex (Placa Al ctona) of the Habana-Matanzas hydrocarbon sub-region for the extraction of oil. _____, v. ___, p. 93-101. (Spanish)
- S nchez-Arango, J. R., 1977. Biostratigraphic study of the Catalina #5 well (Central Cuba) *La Miner a en Cuba*, v. 3, no. 4, p. 15-26. (Spanish)
- S nchez-Arango, J. R., 1978 Ostracods of some formations of the Habana provinces. In *Contributions to the Geology of the Habana Provinces and Habana City*, Editorial Cient fico-T cnica, Ciudad de la Habana, p. 116-117. (Spanish)
- Sanchez-Arango, J. R., and others, 1985. Regarding the stratigraphic position in Cuba of the Globorotalia Palmerae Bolli 1957 biozone and its importance in the age of the main overthrust in western Cuba. *Rev. Tecnol gica*, v. 15, no.1, p. 19-31. (Spanish)
- Scherbakova, B. E., V. G. Bovenko and G. Erandes, 1978. Crustal structure in western Cuba. *Int. Geol. Rev.*, v. 20, p. 1125-1130. (English, translation of Russian article)

- Scherbakova, B. E., V. G. Bovenko and H. Hernandez, 1978. Relief of the Mohorovicic discontinuity surface under western Cuba. *Int. Geol. Rev.*, v. __, p. 7-9. (English, translation of Russian article)
- Segura-Soto, R., and others, 1985. Lithological complexes on the northwestern end of Cuba and their stratigraphic implications as per data obtained in deep bore holes. *Rev. Tecnológica*, v. 15, no. 1, p. 32-35. (Spanish)
- Seiglie, G. A., 1961. Contribution to the study of the microfacies of Pinar del Rio. *Rev. Soc. Cubana Ing.*, v. 61, nos. 3,4, p. 87-109. (Spanish)
- Seiglie, G. A., and Ayala-Castañares, 1963. Systematics and biostratigraphy of the large Upper Cretaceous (Campanian-Maastrichtian) foraminifera of Cuba. *Paleontología Mexicana*, v. 13, p. 1-56. (Spanish)
- Semionov, Yu L., 1968. Chromite deposits in Cuba. *Rev. Tecnológica*, v. 3, no. 4, p. 17-30. (Spanish)
- Shaposhnikova, K. I., 1974. Tectonics of Central Cuba. *Geotectonics*, v. 1, p. 14-20. (English, translation of Russian article)
- Shein, V. S., R. Tenreyro-Perez, and E. Garcia-Alvarez , 1985. Model of the deep geologic structure of Cuba. *Serie Geol. 1, Inst. Geol. Paleo., Acad. Cien. Cuba*, p. 78-88. (Spanish)
- Shein, V. S., S. S. Ivanov, K. A. Kleshchev, and others, 1978. Tectonics of Cuba and its shelf. *Int. Geol. Rev.*, v. 21, p. 540-552. (English, translation of Russian article)
- Shein, V. S., K. A. Kleschov and others, 1985. Tectonic map of Cuba, 1:500 000 scale. *Rev. Tecnológica*, v. 15, no. 1, p. 37-39. (Spanish)
- Shopov, V., 1982. Stratigraphy and subdivision of the Placetas and Camajuani zones in the former Las Villas Province (central Cuba). *Cien. Tierra Espac.*, no. 4, p. 39-46. (Spanish)
- Socorro, R., J. R. Sanchez, and V. I. Kuznetsov, 1986. The search for coral reef in Cuba. *Serie Geol. 3, Inst. Geol. Paleo., Acad. Cien. Cuba*, p. 64-72. (Spanish)

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Soloviev, O. N., S. A. Skidan, J. K. Skidan, A. P. Pankratov and C. M. Judoley, 1964. Comments on the gravity map of Cuba. *Rev. Tecnológica*, v. 2, no. 2, p. __. (Spanish)
- Solsona, J. B., and C. M. Khudoley, 1964. Tectonic sketch of the history of the geologic evolution of Cuba. *Rev. Tecnológica*, v. 2, no. 1, p. 4-13. (Spanish)
- Somin, M. L., 1984. Some aspects of the tectonic environment of glaucophane metamorphism. *Geotectonics*, v. __, p. 14-20. (English, translation of Russian article).
- Somin, M. L., and G. Millan; 1972. Discovery of Mesozoic microfauna within the metamorphic sequences of the Isle of Pines. *Actas 2, Inst. Geol., Acad. Cienc. Cuba*, p. 16-17. (Spanish)
- Somin, M. L., and G. Millan, 1974. Some structural features of the Mesozoic metamorphic complexes of Cuba. *Geotectonics*, v. 5, p. 19-30. (?)
- Somin, M. L., and G. Millan, 1976. Some considerations about Cuban metamorphism. *Serie Geol. 27, Inst. Geol. Paleo., Acad. Cien. Cuba*, p. __. (Spanish)
- Somin, M. L., and G. Millan, 1977. On the age of the Cuban metamorphic rocks. *Informe Científico-Técnico 80, Acad. Cien. Cuba*, 11 pp. (Spanish)
- Taber, S., 1931. Structure of the Sierra Maestra near Santiago de Cuba. *J. Geol.*, v. 39, p. 532-563. (English)
- Taber, S., 1934. Sierra Maestra in Cuba, part of the northern rim of the Bartlett Trough. *Bull. Geol. Soc. Am.*, v. 45, p. 567-__. (English)
- Talavera-Coronel, F., B. Echevarría, G. Millan, D. Tchounev, and I. Iordanov, 1986. Petrological considerations on the volcanics of the region Ciego de Avila-Camaguey-Las Tunas (Cuba). *Cien. Tierra Espac.*, no. 11, p. 47-56. (Spanish)
- Talavera-Coronel, F., B. Echevarría, D. Tchounev, S. Ivanov, and T. Tzankov, 1986. General characteristics of volcanism in the region Ciego de Avila-

- Camagüey-Las Tunas (Cuba). *Cien. Tierra Espac.*, no. 11, p. 15-24. (Spanish)
- Tchounev, D., B. Echevarria and F. Talavera-Coronel, 1986. About the presence of tholeitic lavas in the region Guáimaro-Las Tunas (Cuba). *Cien Tierra Espac.*, no. 11, p. 3-14. (Spanish)
- Tenreyro-Pérez, R., E. Garcia-Alvarez and V. Belov, 19___. Geological-geophysical model of the Varadero-Cardenas area. _____, v.____, p. 109-119. (Spanish)
- Tenreyro-Pérez, R., R. Otero, and G. Barcelo, 1986. Complex interpretation of geophysical data in the north of Cuba. *Serie Geol. 3, Inst. Geol. Paleo.*, Acad. Cien. Cuba, p. 73-87.(Spanish)
- Thayer, T. P., 1942. Chrome resources of Cuba. *Bull. U.S. Geol. Surv.*, v. 935-A, p. 1-74. (English)
- Thayer, T. P., and P. W. Guild, 1947. Thrust faults and related structures in eastern Cuba. *Transactions, Am. Geophys. Union*, v. 28, p. 919-930. (English)
- Thiadens, A. A., 1937. *Geology of the southern part of the province Santa Clara (Las Villas), Cuba* Geol. Geogr Mededeel. (Utrecht) Phys. Geol. Reeks,2, p. 1-69. (English)
- Tijormirov, I. N, 1967. Magmatic formations in Cuba and their metalogenic particularities. *Rev. Tecnológica*, v. 5, no. 4, p. 13-22. (Spanish)
- Tolkunov, A. Ye., and R. Cabrera,1972. Characteristics of the geology and metalogeny of the mineralized regions of Las Villas and Oriente. *Serie Geol. 7, Inst. Geol. Paleo.*, Acad. Cien. Cuba, 18 pp. (Spanish)
- Vachrameev, V. A., 1966. First description of Jurassic flora in Cuba. *Rev Tecnológica*, v. 4, no. 2, p. 22-25. (Spanish)
- Valencio, D. A., 1964. A structural analysis of the island of Cuba and its platform, based upon a study of geophysical data collected prior to 1961. *Rev. Asoc. Geol. Argentina*, v. 19, no. 1, p. 19-34. (Spanish)
-

BIBLIOGRAPHY OF CUBAN GEOLOGY

- Vermut, L. W., 1937. *Geology of the province of Pinar del Rio, Cuba*. Geogr. Geol. Mededeel Phys. Geol. Reeks, 13, Utrecht, 60 pp. (English)
- Vletter, D. R. de, 1946. *Geology of the western part of middle Oriente, Cuba*. Geogr. Geol. Mededeel Phys. Geol. Reeks, Ser 2, No. 8, Utrecht, 101 pp. (English)
- Volochkovich, K. L., L. Ya. Krapiva and A. Norman, 1987. Metallogeny of Pinar del Rio Province, Cuba. *Int Geol. Rev*, v. 29, p. 445-455. (English, translation of Russian article)
- Wassall, H., 1956. The relationship of oil and serpentinite in Cuba. *20th Int. Geol. Congr., Mexico, Sect. 3*, p. 67-77. (English)
- Wassall, H., 1957. Cuba's north coast offers good exploration prospects. *World Oil*, v. 44, p. 240,261-262. (English)
- Weisbord, W. E., 1934. Some Cretaceous and Tertiary echinoids from Cuba. *Bull. Am. Paleontol.*, v. 20, p. 167-248. (English)
- Wessen, A. van, 1943. *Geology and paleontology of central Camaguey, Cuba*. Geol. Geogr Mededeel. (Utrecht) Phys. Geol. Reeks, Ser. 2, No. 5, 91 pp. (English)
- Wierzbowski, A., 1976. Oxfordian ammonites of the Pinar del Rio Province (western Cuba): their revision and stratigraphical significance. *Acta Geol. Polonica*, v. 26, p. __. (English)
- Yidkov, A. Y., T. Grechanik and A. Norman, 1971. *New data on the composition and structure of the volcano-sedimentary series "El Cobre."* Publicación Especial M.M.C.M., 16 pp. (Spanish)
- Zelepuguin, V., E. Fonseca and L. Diaz de Villalvilla, 1982. Volcanic associations of Pinar del Rio Province. *Ser. Geol. 6, Inst. Geol. Paleo., Acad. Cienc. Cuba*, p. 45-74. (Spanish)
- Zhidkov, A. Ya., and N. L. Jalturin, 1976. The Oriental-Baritina pyrite-polymetallic stratiform mineralization zone. *La Minería en Cuba*, v. 2, no. 3, p. 27-39. (Spanish)

Zhidkov, A. Ya., V. M. Ovsianikov, and J. del Pino, 1975. Paper on organic material in the Santa Lucia Formation beds. *La Minería en Cuba*, v. 2, no. __, p. 12-18. (Spanish)