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Polish Antarctic Bibliography: Earth Sciences (1960—1990)

Thirty two years have passed since the first Polish Antarctic Expedition landed at Bunger Hills, East Antarctica, to open the *Antoni B. Dobrowolski* Station [66°17′S—100°45′E], named after a Polish scientist — member of the famous Belgian de Gerlache Expedition in *Belgica* to West Antarctica, 1897—1899. On January 21, 1959, the Polish flag was hoisted by the Polish expedition's leader W. Krzemiński at the site of the previous Soviet Station *Oazis* handed over to Poland on an agreement between the Polish and the Soviet Academies of Sciences. The expedition, organized by the Polish Academy of Sciences had, as its aim, gravimetric, Earth-magnetic, geomorphological and glaciological studies, and CO_2 measurements in the air.

At present the *A. B. Dobrowolski* Station is temporarily closed, and the main Polish scientific activities in Antarctica are centred in the Antarctic Peninsula sector where a new permanent station was opened on 26 February 1977 at Admiralty Bay [62°09′S—58°28′W], King George Island, South Shetland Islands. This station was named after a Polish scientist Henryk Arctowski — scientific leader of the Belgian de Gerlache Expedition to West Antarctica, 1897—1899. The *H. Arctowski* Station is now the site of continuous biological, oceanographic and Earth-sciences research on a yearly basis.

Geodynamic expeditions to West Antarctica organized by the Institute of Geophysics of the Polish Academy of Sciences since 1979, significantly contribute to scientific knowledge of Antarctica, particularly in the fields of solid Earth geophysics, geology and paleontology.

Key words: Geology, Geomorphology, Geophysics, Paleobiology.

BARBIERI M., BIRKENMAJER K., DELITALA M. C., FRANCALANCI L., NARĘBSKI W., NICOLETTI M., PECCERILLO A., PETRUCCIANI C., TOLOMEO L. and TRUDU C. 1987. Geological significance from Mesozoic to Cenozoic magmatism in King George Island (South Shetland Islands, West Antarctica): geochronological, petrological and geochemical data. — 5th Int. Sympos. Antarct. Earth-Sci. (Cambridge, Aug. 1987), Abstr.: 8.

BARBIERI M., BIRKENMAJER K., DELITALA M. C., FRANCALANCI L., NARĘBSKI W., NICOLETTI M., PECCERILLO A., PETRUCCIANI C., TODARO M. L., TOLOMEO L. and TRUDU C. 1989. Preliminary petrological, geochemical and Sr isotopic investigation on the Mesozoic to Cainozoic magmatism of King George Island, South Shetland (West Antarctica). — Mineral. Petrogr. Acta (Bologna), 37: 37—49.

BIERNAT G., BIRKENMAJER K. and POPIEL-BARCZYK E. 1985. Tertiary brachiopods from the Moby Dick Group of King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 81: 109—141.

BIRKENMAJER K. 1978. Zagadnienia poszukiwań i eksploatacji zasobów surowców mineralnych Antarktyki (Problems of prospection and exploitation of Antarctic mineral resources. *In Polish*). — Przegl. Geol. (Warszawa), 5 (301): 307—308.

BIRKENMAJER K. 1978. Polska wyprawa antarktyczna 1977/78 (Polish Antarctic expedition 1977/78. *In Polish*). — Wszechświat (Kraków), 11 (2179): 269—272.

BIRKENMAJER K. 1978. Polish Antarctic activities 1976—78. — Polar Record (Cambridge), May 1978: 173—175.

BIRKENMAJER K. 1979. Polskie badania geologiczne w Zachodniej Antarktyce, 1977—1978 (Polish geological investigations in West Antarctica, 1977—1978. Summary). — Przegl. Geol. (Warszawa), 1 (309): 1—6.

BIRKENMAJER K. 1980. Badania geologiczne Szetlandów Południowych (Antarktyka Zachodnia) w czasie polskich wypraw 1977—79 (Geological investigations of the South Shetland Islands, West Antarctica, during the Polish expeditions 1977—79). — VII Sympoz. Polar. (Wrocław), pp. 1—2.

BIRKENMAJER K. 1980. Polskie wyprawy antarktyczne 1978/79 (Polish Antarctic expeditions 1978/79. *In Polish*). — Wszechświat (Kraków), 5 (2197): 109—114.

BIRKENMAJER K. 1980. Polish Antarctic activities 1978—79. — Polar Record (Cambridge), May, 20 (No 125): 156—158.

BIRKENMAJER K. 1980. Tertiary volcanic-sedimentary succession at Admiralty Bay, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 64: 7—65.

BIRKENMAJER K. 1980. Report on geological investigations of King George Island, South Shetland Islands (West Antarctica) in 1978/79. — Stud. Geol. Pol., 64: 89—105.

BIRKENMAJER K. 1980. A revised lithostratigraphic standard for the Tertiary of King George Island, South Shetland Islands (West Antarctica). — Bull. Acad. Pol. Sci., Sér. Sci. Terre, 27 (1—2) for 1979: 49—57.

BIRKENMAJER K. 1980. Discovery of Pliocene glaciation on King George Island, South Shetland Islands (West Antarctica). — Bull. Acad. Pol. Sci., Sér. Sci. Terre, 27 (1—2) for 1979: 59—67.

BIRKENMAJER K. 1980. Age of the Penguin Island volcano, South Shetland Islands (West Antarctica), by the lichenometric method. — Bull. Acad. Pol. Sci., Sér. Sci. Terre, 27 (1—2) for 1979: 69—76.

BIRKENMAJER K. 1980. Lichenometric dating of glacier retreat at Admiralty Bay, King George Island (South Shetland Islands, West Antarctica). — Bull. Acad. Pol. Sci., Sér. Sci. Terre, 27 (1—2) for 1979: 77—85.

BIRKENMAJER K. 1980. Polskie badania geologiczne w Zachodniej Antarktyce, 1978—1979 (Polish geological investigations in West Antarctica, 1978—1979. Summary). — Przegl. Geol. (Warszawa), 5 (325): 291—297.

BIRKENMAJER K. 1980. Geology of Admiralty Bay, King George Island (South Shetland Islands). An outline. — Polish Polar Res., 1: 29—54.

BIRKENMAJER K. 1981. Szelf antarktyczny jako źródło węglowodorów (Antarctic shelf as a source of hydrocarbons. *In Polish*). — Wszechświat (Kraków), 1 (2205): 4—6.

BIRKENMAJER K. 1981. Lithostratigraphy of the Point Hennequin Group (Miocene volcanics and sediments) at King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 72: 59—73.

BIRKENMAJER K. 1981. Geological relations at Lions Rump, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 72: 75—87.

BIRKENMAJER K. 1981. Raised marine features and glacial history in the vicinity of H. Arctowski Station, King George Island (South Shetland Islands, West Antarctica). — Bull. Acad. Pol. Sci., Sér. Sci. Terre, 29 (2) for 1980: 109—117.

BIRKENMAJER K. 1981. Lichenometric dating of raised marine beaches at Admiralty Bay, King George Island (South Shetland Islands, West Antarctica). — Bull. Acad. Pol. Sci., Sér. Sci. Terre, 29 (2) for 1980: 119—127.

BIRKENMAJER K. 1982. V Wyprawa Antarktyczna Polskiej Akademi Nauk na Stację im H. Arctowskiego, 1980—1981 (Vth Polish Antarctic Expedition to H. Arctowski Station, 1980—1981. *In Polish*). — Nauka Polska (Warszawa), 11—12 (1981): 141—149.

BIRKENMAJER K. 1982. Polska wyprawa antarktyczna 1980/81 (Polish Antarctic expedition 1980/81. *In Polish*). — Wszechświat (Kraków), 8—9 (2224—25): 137—141.

BIRKENMAJER K. 1982. Pliocene tillite-bearing succession of King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 74: 7—72.

BIRKENMAJER K. 1982. Mesozoic stratiform volcanic-sedimentary succession and Andean intrusions at Admiralty Bay, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 74: 105—154.

BIRKENMAJER K. 1982. The Penguin Island volcano, South Shetland Islands (Antarctica): its structure and succession. — Stud. Geol. Pol., 74: 155—173.

BIRKENMAJER K. 1982. Report on geological investigations of King George Island and Nelson Island (South Shetland Islands, West Antarctica), in 1980—81. — Stud. Geol. Pol., 74: 175—197.

BIRKENMAJER K. 1982. Pre-Quaternary fossiliferous glaciomarine deposits at Cape Melville, King George Island (South Shetland Islands, West Antarctica). — Bull. Acad. Pol. Sci., Sér. Sci. Terre, 29 (4) for 1981: 331—340.

BIRKENMAJER K. 1982. Structural evolution of the Melville Peak volcano, King George Island (South Shetland Islands, West Antarctica). — Bull. Acad. Pol. Sci., Sér. Sci. Terre, 29 (4) for 1981: 341—351.

BIRKENMAJER K. 1982. Late Cretaceous (?) and Tertiary glaciations of Antarctica: evidence from the South Shetland Islands. — 4th Int. Sympos. Antarct. Earth-Sci., Abstracts vol., p. 15. Adelaide, South Australia.

BIRKENMAJER K. 1982. Polskie badania geologiczne w Zachodniej Antarktyce, 1980—1981 (Polish geological investigations in West Antarctica, in 1980—1981. Summary). — Przegl. Geol. (Warszawa), 11 (355): 582—588.

BIRKENMAJER K. 1983. Badania geologiczne ośrodka krakowskiego w krajach polarnych w latach 1970—1983 (Geological investigations of the Kraków Centre in Polar countries. *In Polish*). — X Sympoz. Polar. Uniw. M. Kopernika (Toruń): 71—75.

BIRKENMAJER K. 1983. Polskie badania geologiczne Arktyki i Antarktyki: 50-lecie polskich badań polarnych 1932—1982 (Polish geological investigations in the Arctic and Antarctic regions. 50 years of Polish Polar research. *In Polish*). — Przegl. Geol. (Warszawa), 1 (357): 1—15.

BIRKENMAJER K. 1983. Extent and course of the Pliocene glaciations in West Antarctica. — Bull. Acad. Pol. Sci., Sér. Sci. Terre, 30 (1—2) for 1982: 9—20.

BIRKENMAJER K. 1983. Late Cenozoic phases of block-faulting on King George Island (South Shetland Islands, West Antarctica). — Bull. Acad. Pol. Sci., Sér. Sci. Terre, 30 (1—2) for 1982: 21—32.

BIRKENMAJER K. 1983. Polskie badania geologiczne w Antarktyce (Polish geological investigations in Antarctica. *In Polish*). — Kosmos (Warszawa), 32 (2: 179): 309—331.

BIRKENMAJER K. 1984. Nauki o Ziemi w polskich badaniach polarnych. 50-lecie polskich badań polarnych 1932—1982 (Earth sciences in the Polish Polar research. 50 years of Polish Polar Research, 1932—1982. *In Polish*). — Nauka Polska (Warszawa), 3 (1984): 33—46.

BIRKENMAJER K. 1984. Earth Sciences in Polish Polar Research (Fifty Years of Polish Polar Research, 1932—1982). — Acta Acad. Sci. Pol., 1 (1984): 71—87.

BIRKENMAJER K. 1984. Geology of the Cape Melville area, King George Island (South Shetland Islands, Antarctica): Pre-Pliocene glaciomarine deposits and their substratum. — Stud. Geol. Pol., 79: 7—36.

BIRKENMAJER K. 1984. Zlodowacenia trzeciorzędowe Antarktyki (Tertiary glaciations of Antarctica. *In Polish*). — XI Sympoz. Polar. (red. W. Stankowski, Poznań), pp. 10—32.

BIRKENMAJER K. 1985. Zarys ewolucji geologicznej Antarktyki (Geological evolution of Antarctica — an outline. *In Polish*). — Aktualne Problemy Nauk Geologicznych, Prace Nauk. Uniw. Śląskiego (Katowice), 713: 33—44.

BIRKENMAJER K. 1985. Onset of Tertiary continental glaciation in the Antarctic Peninsula sector (West Antarctica). — Acta Geol. Pol., 35 (1—2): 1—31.

BIRKENMAJER K. 1985. Pre-Quaternary glaciations of West Antarctica: Evidence from the South Shetland Islands. — Polish Polar Res., 5 (3—4): 319—329.

BIRKENMAJER K. 1986. Polskie badania polarne dziś i jutro (Polish Polar research to-day and tomorrow. *In Polish*). — Wszechświat (Kraków), 87 (4: 2268): 75—79.

BIRKENMAJER K. 1986. XIX Posiedzenie Naukowego Komitetu Badań Antarktyki (SCAR), San Diego 16—27 VI 1986 r. (XIX SCAR Meeting, San Diego, 1986. *In Polish*). — Nauka Polska (Warszawa), 6: 78—79.

BIRKENMAJER K. 1987. Lodospady Szmaragdowe (Emerald Icefalls. *In Polish*). — Wyd. Literackie (Kraków), pp. 1—199.

BIRKENMAJER K. 1987. Ćwierćwiecze międzynarodowej współpracy w Antarktyce (25 years of international co-operation in Antarctica. *In Polish*). — XIV Sympos. Polar., Lublin, 5—9.

BIRKENMAJER K. 1987. Ćwierćwiecze międzynarodowej współpracy w Antarktyce (25 years of international co-operation in Antarctica. *In Polish*). — Nauka Polska (Warszawa), 2: 63—85.

BIRKENMAJER K. 1987. Antarktyka — kontynent przyszłości (Antarctica — a continent for the future. *In Polish*). — Wszechświat (Kraków), 88 (7—8): 143—151.

BIRKENMAJER K. 1987. Tertiary glaciation in the South Shetland Islands, West Antarctica: evaluation of data. — 5th Int. Sympos. Antarct. Earth-Sci. (Cambridge, Aug. 1987). Abstr.: 16.

BIRKENMAJER K. 1987. Report on the Polish geological investigations in the Antarctic Peninsula sector, West Antarctica, in 1984—85. — Stud. Geol. Pol., 93: 182—193.

BIRKENMAJER K. 1987. Oligocene-Miocene glacio-marine sequences of King George Island (South Shetland Islands), Antarctica. — Palaeont. Polon., 49: 9—36.

BIRKENMAJER K. 1988. XX Posiedzenie Naukowego Komitetu Badań Antarktyki (SCAR), Hobart, Tasmania, 29 VIII — 16 IX 1988 r. (XXth SCAR Meeting, Hobart, Tasmania, 1988. *In Polish*). — Nauka Polska (Warszawa), 6: 125—127.

BIRKENMAJER K. 1988. 30 years of Polish scientific research in Antarctica. — Polish Polar Res., 9 (4): 419—420.

BIRKENMAJER K. 1988. Trinity Peninsula Group (?Permo-Triassic) at Danco Coast, Antarctic Peninsula. — VIIth Gondwana Sympos. (São Paulo, Brazil, 18—22 July 1988). Abstr.: 119.

BIRKENMAJER K. 1988. Report on the Polish geological investigations in the Antarctic Peninsula sector, 1987—1988. — Polish Polar Res., 9 (4): 505—519.

BIRKENMAJER K. 1988. Tertiary glacial and interglacial deposits, South Shetland Islands, Antarctica: geochronology versus biostratigraphy (A progress report). — Bull. Pol. Acad. Sci., Earth-Sci., 36 (2): 133—145.

BIRKENMAJER K. 1989. King George Island. *In*: Tectonics of the Scotia Arc, Antarctica. Field Trip Guidebook T 180 (Leaders I. W. D. Dalziel, K. Birkenmajer, C. Mpodozis, V. A. Ramos and M. R. A. Thomson). — 28th Int. Geol. Congr. (Washington, D. C.), pp. 114—121.

BIRKENMAJER K. 1989. Geochronology and climatostratigraphy of Tertiary glacial and interglacial succession on King George Island, South Shetland Islands. — Int. Workshop on Antarctic Geochronology (April 26—29, 1989, München). Abstr.: 11.

BIRKENMAJER K. 1989. A guide to Tertiary geochronology of King George Island, West Antarctica. — Polish Polar Res., 10 (4): 555—579.

BIRKENMAJER K. 1989. Perspektywy polskich badań w Antarktyce (Perspectives for the Polish scientific research in Antarctica. *In Polish*). — XVI Sympoz. Polarne (Toruń, 19—20 IX 1989), „Dorobek i perspektywy polskich badań polarnych", Uniw. M. Kopernika, pp. 61—69.

BIRKENMAJER K. 1989. Raport o stanie i perspektywach polskich badań polarnych (Report on present state and perspectives for the Polish Polar research. *In Polish*). — Nauka Polska (Warszawa), 4—5: 21—38.

BIRKENMAJER K. 1990. Geology and climatostratigraphy of Tertiary glacial and interglacial successions on King George Island, South Shetland Islands (West Antarctica). — Ztrbl. Geol. Paläont. (Stuttgart), 1 (1—2): 141—151.

BIRKENMAJER K. 1990. Tertiary basaltic hyaloclastites on King George Island (South Shetland Islands, Antarctica). — Bull. Pol. Acad. Sci., Earth-Sci., 38: 111—122.

BIRKENMAJER K. and BUTKIEWICZ T. 1988. Petrography and provenance of magmatic and metamorphic erratic blocks from Lower Miocene glacio-marine deposits of King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 95: 23—51.

BIRKENMAJER K., DANOWSKI W. and ROLNICKI K. 1988. Late Holocene raised marine terrace at Arctowski Station, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 95: 75—80.

BIRKENMAJER K., DELITALA M. C., NARĘBSKI W., NICOLETTI M. and PETRUCCIANI C. 1986. Geochronology of Tertiary island-arc volcanics and glacigenic deposits, King George Island, South Shetland Islands (West Antarctica). — Terra Cognita, 6 (2): 162.

BIRKENMAJER K., DELITALA M. C., NARĘBSKI W., NICOLETTI M. and PETRUCCIANI C. 1986. Geochronology and migration of Cretaceous through Tertiary plutonic centres, South Shetland Islands (West Antarctica): Subduction and hot-spot magmatism. — Terra Cognita, 6 (2): 163.

BIRKENMAJER K., DELITALA M. C., NARĘBSKI W., NICOLETTI M. and PETRUCCIANI C. 1986. Geochronology and migration of Cretaceous through Tertiary plutonic centres, South Shetland Islands (West Antarctica): subduction and hot spot magmatism. — Bull. Pol. Acad. Sci., Earth-Sci., 34 (3): 243—255.

BIRKENMAJER K., DELITALA M. C., NARĘBSKI W., NICOLETTI M. and PETRUCCIANI C. 1986. Geochronology of Tertiary island-arc volcanics and glacigenic deposits, King George Island, South Shetland Islands (West Antarctica). — Bull. Pol. Acad. Sci., Earth-Sci., 34 (3): 257—273.

BIRKENMAJER K. and DOKTOR M. 1988. Sedimentary features of the Trinity Peninsula Group (?Triassic) at Paradise Harbour, Danco Coast, West Antarctica. Preliminary report. — Stud. Geol. Pol., 95: 65—74.

BIRKENMAJER K. and DUDZIAK J. 1990. Calcareous nannoplankton spectra from Early Tertiary continental and marine tillites of King George Island (South Shetland Islands, Antarctica). — Bull. Pol. Acad. Sci., Earth-Sci., 38: 1—15.

BIRKENMAJER K., DUDZIAK J. and TOKARSKI A. K. 1988. Palaeogene calcareous nannoplankton from a neptunian dyke in the Low Head Member: its bearing on the age of the Polonez Glaciation in West Antarctica. — Stud. Geol. Pol., 95: 7—22.

BIRKENMAJER K. and GAŹDZICKI A. 1986. Age of the *Pecten* conglomerate on King George Island, West Antarctica. — Bull. Pol. Acad. Sci., Earth-Sci., 34 (2): 219—226.

BIRKENMAJER K., GAŹDZICKI A., GRADZIŃSKI R., KREUZER H., PORĘBSKI S. J. and TOKARSKI A. K. 1987. Origin and age of pectinid-bearing conglomerate (Tertiary) on King George Island, West Antarctica. — 5th Int. Sympos. Antarct. Earth-Sci. (Cambridge, Aug. 1987), Abstr.: 17.

BIRKENMAJER K., GAŹDZICKI A., KREUZER H. and MÜLLER P. 1985. K-Ar dating of the Melville Glaciation (Early Miocene) in West Antarctica. — Bull. Pol. Acad. Sci., Earth-Sci., 33 (1—2): 15—23.

BIRKENMAJER K., GAŹDZICKI A., PUGACZEWSKA H. and WRONA R. 1987. Recycled Cretaceous belemnites in Lower Miocene glacio-marine sediments (Cape Melville Formation) of King George Island, West Antarctica. — Palaeont. Polon., 49: 49—62.

BIRKENMAJER K., GAŹDZICKI A. and WRONA R. 1983. Cretaceous and Tertiary fossils in glacio-marine strata at Cape Melville, Antarctica. — Nature (London), 303 (5212): 56—59.

BIRKENMAJER K., GUTERCH A., GRAD M., JANIK T. and PERCHUĆ E. 1989. Lithospheric transect South Shetland Islands — Antarctic Peninsula: progress report. — 28th Int. Geol. Congr. (Washington, D.C.), Abstr. vol. 1: 155—156.

BIRKENMAJER K., GUTERCH A., GRAD M., JANIK T. and PERCHUĆ E. 1990. Lithospheric transect South Shetland Islands — Antarctic Peninsula, West Antarctica. — Polish Polar Res., 11 (3—4): 241—258.

BIRKENMAJER K., KAISER G., NARĘBSKI W., PILOT J. and RÖSLER H. J. 1986. The age of magmatic complexes of the Barton Horst, King George Island (South Shetland Islands, West Antarctica), by K-Ar dating. — Bull. Pol. Acad. Sci., Earth-Sci., 34 (2): 139—155.

BIRKENMAJER K. and KELLER R. A. 1990. Pleistocene age of the Melville Peak volcano, King George Island, West Antarctica. — Bull. Pol. Acad. Sci., Earth-Sci., 38: 17—24.

BIRKENMAJER K. and LINDNER L. 1989. In memoriam: Stefan Zbigniew Różycki (1906—1988). An eminent Polish Polar geologist. — Polish Polar Res., 10 (1): 105—110.

BIRKENMAJER K. and LIPIARSKI I. 1985. Zmineralizowany węgiel metaksylitowy z paleogenu Wyspy Króla Jerzego, Szetlandy Południowe, Antarktyka Zachodnia (Mineralized metaxylitic coal from Palaeogene strata of King George Island, South Shetland Islands, West Antarctica. Summary). — III. Konfer. Nauk. Petrol. Węgla (3rd Sci. Confer. Coal Petrol.), Kraków, Abstr.: 7—10, 32.

BIRKENMAJER K. and ŁUCZKOWSKA E. 1987. Early Miocene foraminiferal zonation, Southeast Pacific Basin, Antarctic Peninsula sector. — Bull. Pol. Acad. Sci., Earth-Sci., 35 (1): 1—10.

BIRKENMAJER K. and ŁUCZKOWSKA E. 1987. Foraminiferal evidence for a Lower Miocene age of glaciomarine and related strata, Moby Dick Group, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 90: 81—123.

BIRKENMAJER K. and ŁYDKA K. 1990. Mineralogical evidence for warm Palaeogene climate from the Ezcurra Group, King George Island, West Antarctica. — Bull. Pol. Acad. Sci., Earth-Sci., 38: 25—38.

BIRKENMAJER K. and NARĘBSKI W. 1981. Tertiary calc-alkaline island-arc volanic suite of the South Shetland Islands (West Antarctica). — Bull. Acad. Pol. Sci., Sci. Terre, 28 (4); for 1980: 291—302.

BIRKENMAJER K. and NARĘBSKI W. 1988. Cyclicity in Late Cretaceous — Early Tertiary subductional complex, South Shetland Islands, West Antarctica. — VIIth Gondwana Sympos. (São Paulo, Brazil, July 18—22, 1988), Abstr.: 106.

BIRKENMAJER K., NARĘBSKI W., BAKUN-CZUBAROW N. and KALMUS M. 1985. Geochemistry and petrogenesis of calc-alkaline „Mesozoic" volcanics and „Andean" plutons of inner Admiralty Bay, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 81: 7—51.

BIRKENMAJER K., NARĘBSKI W., NICOLETTI M. and PETRUCCIANI C. 1983. K-Ar ages of „Jurassic volcanics" and „Andean" intrusions of King George Island, South Shetland Islands (West Antarctica). — Bull. Acad. Pol. Sci., Sér. Terre, 30 (3—4): 121—131.

BIRKENMAJER K., NARĘBSKI W., NICOLETTI M. and PETRUCCIANI C. 1983. Late Cretaceous through Late Oligocene K-Ar ages of the King George Island Supergroup volcanics, South Shetland Islands (West Antarctica). — Bull. Acad. Pol. Sci., Sér. Terre, 30 (3—4): 133—143.

BIRKENMAJER K., NARĘBSKI W., NICOLETTI M. and PETRUCCIANI C. 1983. K-Ar ages of „Jurassic volcanics" and „Andean" intrusions of King George Island, South Shetland Islands (West Antarctica). — 2nd Eur. Un. Geosci. Meet. (Strasbourg 28—31 III 1983), Abstr.: 1.

BIRKENMAJER K., NARĘBSKI W., NICOLETTI M. and PETRUCCIANI C. 1984. Late Cretaceous through Late Oligocene K-Ar ages of the King George Island Supergroup volcanics, South Shetland Islands (West Antarctica). — Terra Cognita, ECOG VIII, Abstr.: 25.

BIRKENMAJER K., NARĘBSKI W., SKUPIŃSKI A. and BAKUN-CZUBAROW N. 1981. Geochemistry and origin of the Tertiary island-arc calc-alkaline volcanic suite at Admiralty Bay, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 72: 7—57.

BIRKENMAJER K., OCHYRA R., OLSSON I.U. and STUCHLIK L. 1985. Mid-Holocene radiocarbon-dated peat at Admiralty Bay, King George Island (South Shetland Islands, West Antarctica). — Bull. Pol. Acad. Sci., Earth-Sci., 33 (1—2): 7—13.

BIRKENMAJER K., PAULO A and TOKARSKI A.K. 1985. Neogene marine tillite at Magda Nunatak, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 81: 99—107.

BIRKENMAJER K., SOLIANI Jr. E. and KAWASHITA K. 1988. Early Miocene K-Ar age of volcanic basement of the Melville Glaciation deposits, King George Island, West Antarctica. — Bull. Pol. Acad. Sci., Earth-Sci., 34 (1): 25—34.

BIRKENMAJER K., SOLIANI Jr. E. and KAWASHITA K. 1989. Reliability of potassium-argon dating of Cretaceous-Tertiary island-arc volcanic suite of King George Island, South Shetland Islands. — Int. Workshop Antarctic Geochronology (Apr. 26—29, 1989, München), Abstr., p. 12.

BIRKENMAJER K., SOLIANI Jr. E. and KAWASHITA K. 1989. Geochronology of Tertiary glaciations on King George Island, West Antarctica. — Bull. Pol. Acad. Sci., Earth-Sci., 37: 27—48.

BIRKENMAJER K., SOLIANI Jr. E. and KAWASHITA K. 1990. Reliability of potassium-argon dating of Cretaceous-Tertiary island-arc volcanic suites of King George Island, South Shetland Islands (West Antarctica). — Zbl. Geol. Paläont. (Stuttgart), 1 (1—2): 127—140.

BIRKENMAJER K. and WIESER T. 1985. Petrology and provenance of magmatic and metamorphic erratic blocks from Pliocene tillites of King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 81: 53—97.

BIRKENMAJER K., WIESER T. and ŻABIŃSKI W. 1989. Zeolite associations from Tertiary basaltoids of King George Island, West Antarctica. — Mineral. Polon., 20 (1): 3—33.

BIRKENMAJER K. and ZASTAWNIAK. E. 1986. Plant remains of the Dufayel Island Group (Early Tertiary?), King George Island, South Shetland Islands (West Antarctica). — Acta Palaeobot. (Kraków), 26 (1—2): 33—54.

BIRKENMAJER K. and ZASTAWNIAK. E. 1988. Late Cretaceous — Early Tertiary floras of King George Island, West Antarctica: their stratigraphic distribution and palaeoclimatic significance. — Sympos. „Origins and Evolution of the Antarctic Biota" (London—Cambridge, 24—26 May, 1988), Abstr.: 2.

BIRKENMAJER K. and ZASTAWNIAK. E. 1989. Late Cretaceous — early Tertiary floras of King George Island, West Antarctica: their stratigraphic distribution and palaeoclimatic significance. *In*: A. J. Crame (ed.), Origins and Evolution of Antarctic Biota. — Geol. Soc. Lond. Spec. Publ., 47: 227—240.

BIRKENMAJER K. and ZASTAWNIAK. E. 1989. Late Cretaceous — Early Neogene vegetation history of the Antarctic Peninsula sector, Gondwana break-up and Tertiary glaciations. — Bull. Pol. Acad. Sci., Earth-Sci., 37 (1—2): 63—88.

BITNER M. A. and PISERA A. 1984. Brachiopods from „*Pecten* conglomerate" (Polonez Cove Formation, Pliocene) of King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 79: 121—124.

BŁASZYK J. 1987. Ostracods from the Oligocene Polonez Cove Formation of King George Island, West Antarctica. — Palaeont., Polon., 49: 63—81.

BŁASZYK J. and GAŹDZICKI A. 1980. Badania paleontologiczne na Wyspie Króla Jerzego podczas III Polskiej Wyprawy Antarktycznej Polskiej Akademii Nauk 1978—1979 (Paleontological studies in the King George Island during the IIIrd Polish Antarctic Expedition of the Polish Academy of Sciences, 1978—1979. Summary). — Przegl. Geol. (Warszawa), 5 (325): 297—301.

BOCHEŃSKI Z. 1985. Remains of subfossil birds from King George Island (South Shetland Islands). — Acta Zool. Cracov., 29 (7): 109—116.

BORSUK-BIAŁYNICKA M. 1988. New remains of Archaeoceti from the Paleogene of Antarctica. — Polish Polar Res., 9 (4): 437—443.

CISAK J. and DĄBROWSKI S. 1990. Polish geodetic and cartographic studies in the Arctic and Antarctic regions. — Polish Polar Res., 11 (3—4): 411—417.

DOKTOR M., GAŹDZICKI A., MARENSSI S. A., PORĘBSKI S. J., SANTILLANA S. N. and VRBA A. V. 1988. Argentine-Polish geological investigations on Seymour (Marambio) Island, Antarctica, 1988. — Polish Polar Res., 9 (4): 521—530.

DOKTOR M., GAŹDZICKI A., MARENSSI S., PORĘBSKI S., SANTILLANA S. and VRBA A. 1988. Primer hallazago de peces (Clupeidae) del Eoceno de la Isla Marambio, Antártida. — Asoc. Geol. Argentina, Rev., 43 (4): 567—568.

DUDZIAK J. 1984. Cretaceous calcareous nannoplankton from glaciomarine deposits of the Cape Melville area, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 79: 37—51.

FÖRSTER R., GAŹDZICKI A. and WRONA R. 1985. First record of a homolodromiid crab from a Lower Miocene glaciomarine sequence of West Antarctica. — N. Jb. Geol. Paläont., Mh., 6: 340—348.

FÖRSTER R., GAŹDZICKI A. and WRONA R. 1987. Homolodromiid crabs from the Cape Melville Formation (Lower Miocene) of King George Island, West Antarctica. — Palaeont. Polon., 49: 147—161.

GAŹDZICKA E. and GAŹDZICKI A. 1985. Oligocene coccoliths of the *Pecten* Conglomerate, West Antarctica. — 6th Gondwana Sympos., Workshop on Cenozoic geology of the southern high latitudes, Columbus, Ohio (Aug. 16—17, 1985), Abstr.: 12.

GAŹDZICKA E. and GAŹDZICKI A. 1985. Kokkolity zlepieńca pektenowego Wyspy King George, Antarktyka Zachodnia (Coccoliths of the *Pecten* conglomerate from King George Island, West Antarctica. Summary). — Przegl. Geol. (Warszawa), 10: 543—547.

GAŹDZICKA E. and GAŹDZICKI A. 1985. Oligocene coccoliths of the *Pecten* conglomerate, West Antarctica. — N. Jb. Geol. Paläont., Mh., 1985 (12): 727—735.

GAŹDZICKI A. 1982. Pliocene *Pecten* conglomerate of King George Island (South Shetland Islands, West Antarctica). — 4th Int. Sympos. Antarct. Earth-Sci., Adelaide, Aus. (1982), Abstr.: 66.

GAŹDZICKI A. 1983. Polish paleontological investigations in West Antarctica (1980—1981). — 13th Int. Polar Meet., Bamberg (Oct. 4—7, 1983), Abstr. 6: 7.

GAŹDZICKI A. 1983. Miocene-Pliocene glaciomarine deposits and their biota from King George Island, Antarctica. — 1st Int. Conf. Paleoceanogr. (Zürich), Abstr.: 20.

GAŹDZICKI A. 1984. The *Chlamys* coquinas in glacio-marine sediments (Pliocene) of King George Island, West Antarctica. — Facies, 10: 145—152.

GAŹDZICKI A. 1985. Biota and stratigraphy of Cainozoic glacio-marine sequences from King George Island (West Antarctica). — 6th Gondwana Sympos., Workshop on Cenozoic geology of the southern high latitudes, Columbus, Ohio (Aug. 16—17, 1985), Abstr.: 11.

GAŹDZICKI A. 1986. Pre-Neogene age of the *Pecten* Conglomerate from King George Island, West Antarctica. — 14th Int. Polar Meet., Bremerhaven (Apr. 8—11, 1986), Abstr. Vb: 8.

GAŹDZICKI A. (ed.) 1987. Palaeontological results of the Polish Antarctic Expeditions — Part I. — Palaeont. Polon., 49: 1—168.

GAŹDZICKI A. 1987. Wyniki badań paleontologicznych Wyspy Króla Jerzego, Antarktyka Zachodnia (Results of paleontological investigations of King George Island. Summary). — XIV Sympoz. Polar. (7—8 V 1987, Lublin), pp. 35—37.

GAŹDZICKI A. 1987. Paleontological studies on King George Island, West Antarctica, 1986. — Polish Polar Res., 8: 85—92.

GAŹDZICKI A. 1988. Microfossils and biostratigraphy of the *Pecten* Conglomerate of King George Island, West Antarctica. — 15th Int. Polar Meet., Heidelberg (Oct. 3—6, 1988), Abstr.: 38.

GAŹDZICKI A. 1988. Planktonic foraminifera from the Oligocene Polonez Cove Formation of King George Island, West Antarctica. — Polish Polar Res., 10 (1): 47—55.

GAŹDZICKI A. 1988. Biota of the *Pecten* conglomerate from King George Island (South Shetland Islands) — its stratigraphic and paleobiogeographic implications. — Int. Sympos. „Origin and Evolution of the Antarctic Biota" (London—Cambridge, 24—26 May, 1988), Abstr.: 29.

GAŹDZICKI A. 1989. Age of the *Chlamys*-bearing conglomerate (Paleogene) from King George Island in the light of micropaleontological data. — Int. Workshop Antarctic Geochronology (Apr. 26—29, 1989, München), Abstr.: 16.

GAŹDZICKI A. 1989. Badania geologiczno-paleontologiczne Wyspy Seymour, Antarktyka Zachodnia (Geological-paleontological investigations of Seymour Island, West Antarctica. *In Polish*). — XVI Sympoz. Polar. (Toruń 19—20 IX 1989) „Dorobek i Perspektywy Polskich Badań Polarnych", Uniw. M. Kopernika, pp. 79—81.

GAŹDZICKI A. 1989. Microfossil *Bolboforma* (Chrysophyta) from Tertiary glacio-marine sediments of King George Island, West Antarctica. — Polish Polar Res., 10 (4): 581—586.

GAŹDZICKI A., GRADZIŃSKI R., PORĘBSKI S. J. and WRONA R. 1982. Pholadid *Penitella* borings in glaciomarine sediments (Pliocene) of King George Island, Antarctica. — N. Jb. Geol. Paläont., Mh., 1982 (12): 723—735.

GAŹDZICKI A. and PUGACZEWSKA H. 1984. Biota of the „*Pecten* conglomerate" (Polonez Cove Formation, Pliocene) of King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 79: 59—120.

GAŹDZICKI A. and WRONA R. 1982. Cretaceous marine flora and fauna of King George Island, South Shetland Islands, West Antarctica. — 4th Int. Sympos. Antarct. Earth-Sci., Adelaide, Aus. (1982), Abstr.: 67.

GAŹDZICKI A. and WRONA R. 1982. Badania paleontologiczne V Polskiej Wyprawy Antarktycznej Polskiej Akademii Nauk (1980—1981) (Paleontological studies carried out during the Vth Antarctic Expedition of the Polish Academy of Sciences, 1980—1981. Summary). — Przegl. Geol. (Warszawa), 2 (346): 57—61.

GAŹDZICKI A. and WRONA R. 1982. Skamieniałości górnej kredy i trzeciorzędu z osadów talasoglacjalnych na Półwyspie Melville'a, Wyspa Króla Jerzego, Zachodnia Antarktyka (Late Cretaceous and Tertiary fossils from glacio-marine sediments of Melville Peninsula, King George Island, West Antarctica. Summary). — Przegl. Geol. (Warszawa), 8: 399—404.

GAŹDZICKI A. and WRONA R. 1986. Polskie badania paleontologiczne w Antarktyce Zachodniej (1986) (Polish paleontological investigations in West Antarctica in 1986. Summary). — Przegl. Geol. (Warszawa), 11 (403): 609—617.

GUTERCH A. 1983. I Geofizyczna Ekspedycja Polskiej Akademii Nauk do Antarktyki Zachodniej 1979—1980 (First Polish Geophysical Expedition to West Antarctica 1979—1980. *In Polish*). — Kosmos (Warszawa), 179: 345—350.

GUTERCH A. 1988. Deep crustal structure of West Antarctica, Activity report 1986—1988. — Eur. Seismol. Commiss., Subcommiss. Deep Seismic Sound. (reflection and refraction), pp. 1—8. Sofia.

GUTERCH A. 1989. Problemy badań geodynamicznych Antarktyki (Geodynamic problems of Antarctica. *In Polish*). — XVI Sympoz. Polar. (Toruń 19—20 IX 1989) „Dorobek i Perspektywy Polskich Badań Polarnych", Uniw. M. Kopernika, pp. 50—54.

GUTERCH A., GRAD M., JANIK T. and PERCHUĆ E. 1986. Seismic studies of the crustal structure in West Antarctica by the Polish expeditions in 1979/80 and 1984/85. — Terra Cognita, 6: 419.

GUTERCH A., GRAD M., JANIK T. and PERCHUĆ E. 1987. Wyniki wypraw geodynamicznych Polskiej Akademii Nauk do Antarktyki Zachodniej (Results of Geodynamical Expeditions of the Polish Academy of Sciences to West Antarctica. A report. Summary). — XIV Sympoz. Polar. (7—8 V Lublin), pp. 14—19.

GUTERCH A., GRAD M., JANIK T. and PERCHUĆ E. 1987. Tectonophysical models of the crust between the Antarctic Peninsula and the South Shetland Trench. — 5th Int. Sympos. Antarctic Earth-Sci. (Cambridge, Aug. 1987), Abstr.: 58.

GUTERCH A., GRAD M., JANIK T. and PERCHUĆ E. 1987. Seismic crustal geotraverse in West Antarctica between King George Island and Adelaide Island. — 5th Int. Sympos. Antarct. Earth-Sci. (Cambridge, Aug. 1987), Abstr.: 59.

GUTERCH A., GRAD M., JANIK T. and PERCHUĆ E. 1990. Deep crustal structure in the region of the Antarctic Peninsula from seismic refraction modelling (next step of data discussion). — Polish Polar Res., 11 (3—4): 215—239.

GUTERCH A., GRAD M., JANIK T., PERCHUĆ E. and PAJCHEL J. 1985. Seismic studies of the crustal structure in West Antarctica 1979—1980. Preliminary results. *In*: E. S. Husebye, G. L. Johnson and Y. Kristoffersen (eds), Geophysics of the Polar Regions. — Tectonophysics, 114: 411—429.

JERZMAŃSKA A. 1988. Isolated vertebrae of teleostean fishes from the Paleogene of Antarctica. — Polish Polar Res., 9 (4): 421—435.

JESIONEK-SZYMAŃSKA W. 1984. Echinoid remains from „*Pecten* conglomerate" (Polonez Cove Formation, Pliocene) of King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 79: 125—130.

JESIONEK-SZYMAŃSKA W. 1987. Echinoids from the Cape Melville Formation (Lower Miocene) of King George Island, West Antarctica. — Palaeont. Polon., 49: 163—168.

KARCZEWSKI L. 1987. Gastropods from the Cape Melville Formation (Lower Miocene) of King George Island, West Antarctica. — Palaeont. Polon., 49: 127—145.

KELLER R. A., FISK M. R., WHITE W. M. and BIRKENMAJER K. 1989. Late Tertiary — Quaternary transition from arc to back-arc volcanism, South Shetland Islands, and Bransfield Strait, Antarctica. — EOS Trans. Am. Geophys. Un., 69: 1471.

KOWALEWSKI W. and ZALEWSKI S. M. 1985. Badania osadów dennych Antarktyki Zachodniej. Sprawozdanie z wyprawy 1984/85 (Investigations of marine bottom sediments in West Antarctica, 1984/85. *In Polish*). — Materiały XII Sympoz. Polarnego (Szczecin, 1985).

KOWALEWSKI W., RUDOWSKI S. and ZALEWSKI S. M. 1989. Badania sejsmoakustyczne w zatopionej kalderze Wyspy Deception (Seismoacoustic study in the Deception Island Caldera. *In Polish*). — XVI Sympoz. Polarne (Toruń 19—20 IX 1989) „Dorobek i Perspektywy Polskich Badań Polarnych", Uniw. M. Kopernika, pp. 70—75.

KOWALEWSKI W., RUDOWSKI S. and ZALEWSKI S. M. 1990. Seismoacustic studies within flooded part of the caldera of the Deception Island, West Antarctica. — Polish Polar Res., 11 (3—4): 259—266.

KOWALEWSKI W., RUDOWSKI S., ZALEWSKI S. M. and ŻAKOWICZ K. 1987. Investigations of the seafloor of the caldera of Deception Island by continuous seismic profiling method. — 5th Sympos. Antarct. Earth-Sci. (Aug. 1987, Cambridge), Abstr.: 51.

KRAJEWSKI K. 1986. On aeolian processes near H. Arctowski Station, King George Island, South Shetland Islands. — Biul. Peryglac., 31: 171—181.

KRZEMIŃSKI W. and WIŚNIEWSKI E. 1985. The Polish Expedition to A. B. Dobrowolski Station on the Antarctic continent in 1978/1979. — Polish Polar Res., 6: 377—384.

MARSZ A. 1984. From surveys of the shores and bottom of the Ezcurra Inlet. — Oceanologia (Sopot), 15: 209—220.

MARSZ A. 1989. Geomorfologia szelfu Południowych Szetlandów w obrębie Cieśniny Bransfielda (Shelf morphology of the South Shetland Islands — Bransfield Strait area, West Antarctica. *In Polish*). — XVI Sympoz. Polar. (Toruń 19—20 IX 1989) „Dorobek i Perspektywy Polskich Badań Polarnych", Uniw. M. Kopernika, pp. 91—92.

MORYCOWA E., RUBINOWSKI Z. and TOKARSKI A. K. 1982. Archaeocyathids from a moraine at Three Sisters Point, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 74: 73—80.

MYRCHA A. and TATUR A. 1986. Argentinian-Polish scientific cooperation in Antarctica (1984—1986). — Polish Polar Res., 7 (4): 427—431.

MYRCHA A. and TATUR A. 1988. Polska kolekcja pingwinów kopalnych z Wyspy Seymour, Antarktyka Zachodnia (Polish collection of fossil penguins from Seymour Island, West Antarctica. Summary). — XV Sympoz. Polarne (Wrocław 19—21 V 1988), Uniw. Wrocł., pp. 317—325.

MYRCHA A., TATUR A. and DEL VALLE R. 1990. A new species of fossil penguin from Seymour Island (West Antarctica). — Alcheringa 14 (3—4): 195—205.

MYRCHA A. and TOKARSKI A. K. 1982. Polska Wyprawa Antarktyczna 1979/80 (Polish Antarctic Expedition 1979/80. *In Polish*). — Wszechświat (Kraków), 83 (3): 50—52.

PAULO A. and RUBINOWSKI Z. 1987. Pyrite mineralization on King George Island (South Shetland Islands, Antarctica): its distribution and origin. — Stud. Geol. Pol., 90: 39—79.

PAULO A. and TOKARSKI A. K. 1982. Geology of the Turret Point — Three Sisters Point area, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Polon., 74: 81—103.

PORĘBSKI S. J. and GRADZIŃSKI R. 1987. Depositional history of the Polonez Cove Formation (Oligocene), King George Island, West Antarctica: a record of continental glaciation, shallow-marine sedimentation and contemporaneous volcanism. — Stud. Geol. Pol., 93: 7—62.

PORĘBSKI S. J. and GRADZIŃSKI R. 1990. Lava-fed Gilbert-type delta in the Polonez Cove Formation (Lower Oligocene), King George Island, West Antarctica. — Spec. Publs Int. Ass. Sediment., 10: 335—351.

PUGACZEWSKA H. 1984. Tertiary Bivalvia and Scaphopoda from glaciomarine deposits at Magda Nunatak, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 79: 53—58.

RONIEWICZ E. and MORYCOWA E. 1986. Fossil *Flabellum* (Scleractinia) of Antarctica. — Acta Paleont. Pol., 30 (1985), (1—2): 99—106.

RONIEWICZ E. and MORYCOWA E. 1987. Development and variability of Tertiary *Flabellum rariseptatum* (Scleractinia), King George Island, West Antarctica. — Palaeont. Polon., 49: 83—103.

RÓŻYCKI S. Z. 1960. O vremeni obrazovanija Oazisa Bunger Hills. — Biul. Sov. Antarkt. Eksped., 20: 10—14.

RÓŻYCKI S. Z. 1961. Changements pléistocènes de l'extension de l'inlandsis en Antartide Orientale d'après l'étude des anciennes plages élévées de l'Oazis Bunger, Queen's Mary Land. — Biul. Peryglacj., 10: 257—283, 279—435.

RÓŻYCKI S. Z. 1963. Der Rhytmus der Veränderungen des antarktischen Inlandeises unter dem Einfluss der Klimaschwankungen. — Polarforschung, 5: 213—215.

RUDOWSKI S. 1989. Geologia wschodnich wybrzeży Discovery Bay, Wyspa Greenwich, Szetlandy Południowe (Geology of eastern coast of Discovery Bay, Greenwich Island, South Shetland Islands. *In Polish*). — XVI Sympoz. Polar. (Toruń 19—20 IX 1989) „Dorobek i Perspektywy Polskich Badań Polarnych", Uniw. M. Kopernika, pp. 81—82.

STUCHLIK L. 1981. Tertiary pollen spectra from the Ezcurra Inlet Group of Admiralty Bay, King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 72: 109—132.

SZANIAWSKI H. 1975. Udział Polski w badaniach geologicznych i biologicznych na Antarktydzie (Polish contribution to the geology and biology of Antarctica. *In Polish*). — Przegl. Geol. (Warszawa), 4: 193—198.

SZANIAWSKI H. and WRONA R. 1987. Polychaete jaws from the Cape Melville Formation (Lower Miocene) of King George Island, West Antarctica. — Palaeont. Polon., 49: 105—125.

SZANIAWSKI H., WRONA R. and GAŹDZICKI A. 1983. Znaczenie badań paleontologicznych w Antarktyce i udział Polaków w ich realizacji (The significance of paleontological research in Antarctica and the contribution by the Polish scientists. *In Polish*). — Kosmos (Warszawa), 32: 333—344.

TATUR A. 1987. Fluorine in ornithogenic soils and minerals of King George Island, West Antarctica. — Polish Polar Res., 8 (1): 65—74.

TATUR A. 1989. Ornithogenic soils of the maritime Antarctic. — Polish Polar Res., 10 (4): 481—532.

TATUR A. and BARCZUK A. 1984. Phosphates of ornithogenic soils on the volcanic King George Island (maritime Antarctic). — Polish Polar Res., 5 (1—2): 61—97.

TATUR A. and BARCZUK A. 1985. Ornithogenic phosphates on King George Island in the martime Antarctic Zone. — *In*: W. R. Siegfried, P. R. Condy and R. M. Lows (eds), Antarctic Nutrient Cycle and Food Webs. — Springer-Verlag, Berlin Heidelberg: 163—168.

TATUR A. and KECK A. 1990. Phosphates of ornithogenic soils in martime Antarctic. — Proc. NIPR Symp. Polar Biol., 3: 133—150.

TATUR A. and MYRCHA A. 1984. Ornithogenic soils on King George Island (South Shetland Islands, Maritime Antarctic Zone). — Polish Polar Res., 5 (1—2): 31—60.

TATUR A. and MYRCHA A. 1989. Soils and vegetation in abandoned penguin rookeries (maritime Antarctic). — Proc. NIPR Symp. Polar Biol., 2: 181—189.

TATUR A. and DEL VALLE R. 1986. Badania paleolimnologiczne i geomorfologiczne na Wyspie Króla Jerzego, Antarktyka Zachodnia, 1984—1986 (Paleolimnological and geomorphological investigations on King George Island, West Antarctica, 1984—1986. Summary). — Przegl. Geol. (Warszawa), 11: 621—626.

TATUR A. and SLETTEN R. 1990. Occurrence of soil salts against climatic zonation of Antarctica. — 82th Ann. Meet. Agronomy and Environment, San Antonio, TX (Oct. 21—26, 1990), Abstr.: 353.

TOKARSKI A. K. 1981. Structural events in the South Shetland Islands (Antarctica). I. The Polonez Cove Formation (Pliocene). — Stud. Geol. Pol., 72: 89—95.

TOKARSKI A. K. 1984. Structural events in the South Shetland Islands (Antarctica). Tertiary volcanics and sediments south of Ezcurra Fault, King George Island. — Stud. Geol. Pol., 79: 131—162.

TOKARSKI A. K. 1986. Polskie badania geologiczne na Wyspie Króla Jerzego (Antarktyka Zachodnia) w sezonie 1985—1986 (Polish geological investigations on King George Island, West Antarctica, in the austral summer 1985—1986. Summary). — Przegl. Geol. (Warszawa), 11: 617—621.

TOKARSKI A. K. 1986. Structural development of the King George Island (West Antarctica) magmatic pile: from subduction to extension. — German Soc. Pol. Res., 14th Int. Polar Meet. (Bremerhaven), Abstr. Vb: 7.

TOKARSKI A. K. 1987. Late Cretaceous — Cenozoic structural history of King George Island (South Shetland Islands). — 5th Int. Sympos. Antarct. Earth-Sci. (Cambridge, Aug. 1987), Abstr.: 130.

TOKARSKI A. K. 1987. Structural events in the South Shetland Islands (Antarctica). III. Barton Horst. King George Island. — Stud. Geol. Pol., 90: 7—38.

TOKARSKI A. K. 1987. Report on geological investigations of King George Island, South Shetland Islands (West Antarctica), in 1986. — Stud. Geol. Pol., 93: 123—130.

TOKARSKI A. K. 1987. Structural events in the South Shetland Islands (Antarctica). IV. Structural evolution of King George Island and regional implications. — Stud. Geol. Pol., 93: 63—112.

TOKARSKI A. K. 1988. Structural analysis of Barton Horst (King George Island, West Antarctica): an example of volcanic arc tectonics. — Stud. Geol. Pol., 95: 53—63.

TOKARSKI A. K. 1989. Structural development of Legoupil Formation at Cape Legoupil, Antarctic Peninsula. — Polish Polar Res., 10 (4): 587—603.

TOKARSKI A. K. 1990. Dyke swarm as stress indicators: two constraints. — *In*: A. J. Parker, P. C. Rickwood and D. H. Tucker (eds), Mafic Dykes and Emplacement Mechanisms, A. A. Balkema, Rotterdam: 101—104.

TOKARSKI A. K., DANOWSKI W. and ZASTAWNIAK E. 1987. On the age of fossil flora from Barton Peninsula (King George Island, West Antarctica). — Polish Polar Res., 8 (3): 293—302.

TOKARSKI A. K., PAULO A. and RUBINOWSKI Z. 1981. Report on geological investigations of King George Island, South Shetland Islands (West Antarctica) in 1979/1980. — Stud. Geol. Pol., 72: 135—140.

TOKARSKI A. K., PAULO A. and RUBINOWSKI Z. 1982. Polskie badania geologiczne w Zachodniej Antarktyce, 1979/80 (Polish geological investigations in West Antarctica, 1979/80. Summary). — Przegl. Geol. (Warszawa), 30 (2): 53—57.

WEBB P., BARRETT P. J., BIRKENMAJER K., COOPER A. K., ELVERHØI A. and FÜTTERER D. 1989. Cenozoic sedimentary basins of Antarctica. — 28th Int. Geol. Congr. (Washington, D. C., 1989), Abstr., 3: 342.

WIŚNIEWSKI E. 1980. The Polish expedition to the Dobrowolski Station in Antarctic in 1978/1979. — Przegl. Geogr., 52: 403—408.

WIŚNIEWSKI E. 1981. Moraines forms and deposits of Antarctic ice-sheet at the contact with Bunger Hills. — Polish Polar Res., 2: 17—28.

WIŚNIEWSKI E. 1983. Bunger Oazis: the largest ice-free area in the Antarctic. — Terra, 95: 178—187.

WIŚNIEWSKI E. 1983. The Bunger Oasis — the Polish spot in Antarctica. Summary. — Czasop. Geogr., 54: 27—46.

WIŚNIEWSKI E. 1984. Ice-cored moraines of the Antarctic ice-sheet at the contact with Bunger Oazis. — Przegl. Geogr., 56: 91—102.

WIŚNIEWSKI E. 1989. Oaza Bungera — jej geneza i niektóre problemy fizyczno-geograficzne (Bunger Oazis — its origin and some physico-geographical problems. *In Polish*). — XVI Sympoz. Polar. (Toruń 19—20 IX 1989), „Dorobek i Perspektywy Polskich Badań Polarnych", Uniw. M. Kopernika, pp. 45—50.

WIŚNIEWSKI E. 1989. Antarktyda — lodowa pustynia (Antarctica — ice desert. *In Polish*). — Wydawnictwa Szkolne i Pedagogiczne, Warszawa, 128 pp.

WRONA R. 1987. Cambrian microfossil *Hadimopanella* Gedik from glacial erratics in West Antarctica. — Palaeont. Polon., 49: 37—48.

WRONA R. 1988. Palaeogeographical significance of early skeletal metazoans from Antarctica. — Int. Sympos. Origins and Evolution of the Antarctic Biota (London-Cambridge, 24—26 May, 1988), Abstr.: 40.

WRONA R. 1989. Cambrian limestone erratics in the Tertiary glacio-marine sediments of King George Island, West Antarctica. — Polish Polar Res., 10 (4): 533—553.

ZALEWSKI S. M. 1983. Polskie badania geofizyczne w Antarktyce (Polish geophysical investigations in the Antarctic. *In Polish*). — Kosmos (Warszawa), 179: 351—364.

ZASTAWNIAK. E. 1981. Tertiary leaf flora from the Point Hennequin Group of King George Island (South Shetland Islands, Antarctica). Preliminary report. — Stud. Geol. Pol., 72: 97—108.

ZASTAWNIAK. E. 1990. Late Cretaceous leaf flora of King George Island, West Antarctica. — Proceed. Sympos. „Paleofloristic and paleoclimatic changes in the Cretaceous and Tertiary" (Prague, 1989), 81—85.

ZASTAWNIAK. E., WRONA R., GAŹDZICKI A. and BIRKENMAJER K. 1985. Plant remains from the top part of the Point Hennequin Group (Upper Oligocene), King George Island (South Shetland Islands, Antarctica). — Stud. Geol. Pol., 81: 143—164.

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