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Polish Antarctic Bibliography: Ichthyology (1969–1996)

226 papers by Polish authors and co-authors have been collected. They deal with Antarctic or sub-Antarctic fishes and also their parasites. The majority (35.7%) of the publications discuss fish biology including growth, age, maturity, feeding and occurrence of particular species in the area. Fewer papers are devoted to parasitology (26.0%). Papers dealing with fish biomass and exploitation make up 18.5%. Papers dealing with morphology and systematics make up 6.6%. The remaining papers are devoted to technology, physiology, palaeontology and others.

Key words: Antarctic, fishes, biology, exploitation.

List of papers:

Morphology and Systematics

- ANDRIYASHEV A.P. and JAKUBOWSKI M. 1971. Morfologicheskoye obosnovanie rodovogo obosobleniya antarkticheskikh sirokolobikov (*Trematomus borchgrevinki* Boulenger i *T. brachysoma* Pappenheim) i novyi status roda *Pagothenia* Nichols et La Monte (*Nototheniidae*) [Morphological grounds for genetic separation of the Antarctic broadhead fishes (*Trematomus borchgrevinki* Boulenger and *T. brachysoma* Pappenheim) and a new status of the genus *Pagothenia* Nichols and Lamonte (*Nototheniidae*)]. — Zool. Zhurn., 50, 7: 1041–1055.
- JAKUBOWSKI M. 1970. Morphological features of the lateral line organs in members of the Antarctic genus *Trematomus* Boul. (*Nototheniidae*, Pisces). — J. Ichthyol., 10, 2: 268–271.
- JAKUBOWSKI M. 1971a. Białokrwistość i inne osobliwości ichtiofauny Antarktyki [White-bloodness and other peculiarities of the Antarctic ichthyofauna]. — Przegł. Zool. 15, 3: 262–272.

- JAKUBOWSKI M. 1971b. Morphological features of the lateral line organs in members of the genus *Notothenia* Rich. and other genera of the family Nototheniidae (Pisces). — J. Ichthyol., 11, 4: 493–499.
- JAKUBOWSKI M. 1975. Anatomical structure of olfactory organs provided with internal nares in the Antarctic fish *Gymnodraco acuticeps* Boul. (Bathydraconidae). — Bull. Pol. Acad. Sci., 23, 2: 115–120.
- JAKUBOWSKI M. 1982. Dimensions of respiratory surfaces of the gills and the skin in the Antarctic white-blooded fish *Chaenocephalus aceratus* (Lönnberg) (Chaenichthyidae). — Z. mikroskop. anat. Forsch., 96: 145–156.
- JAKUBOWSKI M. and BYCZKOWSKA-SMYK W. 1970. Respiratory surfaces of white-blooded fish *Chaenichthys rugosus* Regan (Perciformes). — Pol. Arch. Hydrobiol., 17: 273–281.
- JAKUBOWSKI M., BYCZKOWSKA-SMYK W. and MIKHALEV Yu. 1969. Vascularization and size of the respiratory surfaces in the Antarctic white-blooded fish *Chaenichthys rugosus* Regan (*Percoidei, Chaenichthyidae*). — Zool. Pol. 19: 303–317.
- JAKUBOWSKI M. and REMBISZEWSKI J.M. 1974. Vascularization and size of respiratory surfaces of gills and skin in the Antarctic fish *Gymnodraco acuticeps* Boul. (Bathydraconidae). — Bull. Ac. Pol. Biol. Sci., 22: 305–313.
- LINKOWSKI T.B. 1985. A new species of lanternfish (Osteichthyes, Myctophidae) from the South Atlantic. — Zool. Scripta, 14: 319–324.
- REMBISZEWSKI J.M. 1980. *Raja rakusai* sp. n. (Pisces, Rajidae) from the area of Elephant Island (South Shetland Islands). — Pol. Polar Res., 1: 95–98.
- REMBISZEWSKI J.M. and ZIELIŃSKI K. 1980. Some interesting fish species from the area of Elephant Island (South Shetland Islands). — Pol. Polar Res., 1: 99–102.
- ROJAS C. and KOMPOWSKI A. 1994. Studies on morphology and osteology of *Parachaenichthys georgianus* (Fischer, 1885) (Notothenioidei, Bathydraconidae) from shelf waters off South Georgia (Antarctica). — Acta Ichthyol. Piscat., Szczecin, 24, 1: 69–86.
- SKÓRA K.E. 1995. *Acanthodraco dewitti* gen. et sp. n. (Pisces, Bathydraconidae) from Admiralty Bay (King George Island, South Shetland Islands, Antarctica). — Arch. Fish. Mar. Res., 4, 3: 283–289.
- SOSIŃSKI J. and SKÓRA K.E. 1979. Nowe gatunki ryb przemysłowych rejonu Antarktyki [New species of commercial fish in the Antarctic region]. — Bull. Sea Fish. Inst., Gdynia, 4: 12–15.

Biology

- BIENIARZ K., POPEK W. and SZYMONOWICZ I. 1980. Gametogeneza i płodowitość u *Trematomus bernacchii* Boulenger [Gametogenesis and fecundity in *Trematomus bernacchii* Boulenger]. — Vopr. Ikht., 20, 2, (121): 357–361.
- CHŁAPOWSKI K. and KRZEPTOWSKI M. 1978. On the presence of fishes in Antarctic krill catches. — Acta Ichthyol. Piscat., Szczecin, 8, 1: 3–8.
- CHOJNACKI J. and PALCZEWSKI P. 1981a. Age and growth rate of *Pseudochaenichthys georgianus* Norman, 1937 (family Chaenichthyidae) of the South Georgia region. — Pol. Polar Res., 2: 145–157.
- CHOJNACKI J. and PALCZEWSKI P. 1981b. Techniques of otolith treatment for age and growth determination of three white-blooded fish species. — Acta. Ichthyol. Piscat., Szczecin, 11, 2: 39–46.
- CHOJNACKI J. and PIETRUCHA M. 1987. Odżywianie się i pokarm antarktycznych ryb białokrwistych [*Chaenocephalus aceratus*, *Pseudochaenichthys georgianus* oraz *Champscephalus gunnari*] [Feeding and food of white — blooded Antarctic fishes (*Chaenocephalus aceratus*, *Pseudochaenichthys georgianus* and *Champscephalus gunnari*)]. In: *Badania biol-*

- ogiczne Bałtyku i Antarktyki [The Baltic and Antarctic biological research]. — Stud. i Mater. Morsk. Inst. Ryb., Gdynia, 28: 82–105.*
- COGGAN R., SKÓRA K., MURRAY A. and WHITE M. 1990. A comparison between age determinations of the Antarctic fish *Notothenia gibberifrons* Lönnberg using scales and otoliths. — *Cybium*, 14, 1: 43–55.
- EVERSON I., PARKES G., KOCK K. H., CAMPBELL S., CIELNIASZEK Z. and SZLAKOWSKI J. 1991. Reproduction in the mackerel icefish (*Champocephalus gunnari*) at South Georgia. — CCAMLR, Doc. WG-FSA-91/7, Hobart, Australia.
- KELLERMANN A. and ŚLÓSARCZYK W. 1984. Distribution of postlarval and juvenile *Notothenioidei* in the Atlantic sector of the Southern Ocean during FIBEX 1981. — *BIOMASS. Rep. Ser.*, 36: 1–27.
- KILARSKI W., ŚMIALOWSKA E. and FRIEDHUBER A. 1982. Histological analysis of fibres in myotomes of Antarctic fish: morphometry of muscle fibres and capillaries. — *Zeitschrift für mikroskopische und anatomische Forschung*, 96: 791–801.
- KOCK K. H., EVERSON I., PARKES G. B., CAMPBELL S., CIELNIASZEK Z. and SZLAKOWSKI J. 1992. Food and feeding of mackerel icefish (*Champocephalus gunnari*) around South Georgia in January–February 1991. — *SC-CAMLR Sel. Sci. Pap.*, 1991, Hobart, Australia: 15–23.
- KOCK K. H., EVERSON I., WILHELMS S., CAMPBELL S., SZLAKOWSKI J., PARKES G., CIELNIASZEK Z. and GOSS C. 1993. Variations in food composition and feeding intensity of mackerel icefish (*Champocephalus gunnari*) at South Georgia. — *CCAMLR Scientific Abstracts*, 1992 (published in April, 1993): 29.
- KOŁAKOWSKA A. 1988. Skład lipidów ryb antarktycznych (*Notothenia rossi marmorata* i *Notothenia neglecta*) [Lipid composition of two Antarctic fish: *Notothenia rossi marmorata* and *Notothenia neglecta*]. — *XV Sympozjum Polarne*, Wrocław: 340–343.
- KOMPOWSKI A. 1980a. On feeding of *Champocephalus gunnari* Lönnberg, 1905 (Pisces, *Chaenichthyidae*) off South Georgia and Kerguelen Islands. — *Acta Ichthyol. Piscat.*, Szczecin, 10, 1: 25–43.
- KOMPOWSKI A. 1980b. Studies on juvenile *Chaenocephalus aceratus* (Lönnberg, 1906) (Pisces, *Chaenichthyidae*) from off South Georgia. — *Acta Ichthyol. Piscat.*, Szczecin, 10, 1: 45–53.
- KOMPOWSKI A. 1980c. Z biologii borela i kerguleny [On biology of blackfin and mackerel icefishes]. — *Tech. Gosp. Mor.*, Gdynia, 5: 233–235.
- KOMPOWSKI A. 1983. Studies on growth rate of yellow notothenia *Notothenia gibberifrons*, Lönnberg 1905 off South Georgia. — *Acta Ichthyol. Piscat.*, Szczecin, 13, 2: 3–24.
- KOMPOWSKI A. 1985a. Studies on food and fecundity of *Notothenia gibberifrons* L nberg, 1905 (Pisces, *Notothenioidei*) off South Georgia. — *Acta Ichthyol. Piscat.*, Szczecin, 15, 2: 55–73.
- KOMPOWSKI A. 1985b. Zmiany w strukturze stada borela, *Chaenocephalus aceratus* (Lönnberg, 1906) (Pisces, *Channichthyidae*) w rejonie Pd. Georgii w latach 1976–1984 [Changes in the stock structure of blackfin icefish (*Chaenocephalus aceratus* (Lönnberg, 1906), Pisces, *Channichthyidae*) in the South Georgia region in 1976–1984]. — *XII Sympozjum Polarne – Materiały*, Szczecin, 1985: 87–92.
- KOMPOWSKI A. 1988. Oznaczanie wieku borela *Chaenocephalus aceratus* (Lönnberg, 1906) z rejonu Południowej Georgii [Age determination of Scotia Sea icefish *Chaenocephalus aceratus* (Lönnberg, 1906), from the South Georgia area]. — *XV Sympozjum Polarne*, Wrocław, 1988: 326–327.
- KOMPOWSKI A. 1989. Struktura stada borela (*Chaenocephalus aceratus*, Pisces, *Channichthyidae*) z rejonu Pd. Georgii i Pd. Szetlandów [Stock structure of blackfin icefish (*Chaenocephalus aceratus*, Pisces, *Channichthyidae*) in the region of South Georgia and South Shetland Islands]. — *Dorobek i Perspektywy Polskich Badań Polarnych*. *XVI Sympozjum Polarne*, UMK Toruń: 227–229.

- KOMPOWSKI A. 1990a. Studies on the composition of the stock of *Chaenocephalus aceratus* (Lönnerberg, 1906). Pisces, Channichthyidae, in the region of South Georgia and South Shetlands. — *Acta Ichthyol. Piscat., Szczecin*, 20, 1: 29–44.
- KOMPOWSKI A. 1990b. Biological characteristics of Scotia Sea icefish *Chaenocephalus aceratus* (Lönnerberg, 1906) from the South Georgia area. — *Rep. Sea Fish. Inst., Gdynia*, 22: 50–68.
- KOMPOWSKI A. 1991. Pokarm i odżywianie się *Parachaenichthys georgianus* (Fischer, 1885) z wód szelfowych Południowej Georgii [Food and feeding behaviour of *Parachaenichthys georgianus* (Fischer, 1885) from the shelf waters of South Georgia]. — XVIII Sympozjum Polarne, Szczecin–Świnoujście, 1991: 22 and 62.
- KOMPOWSKI A. 1992a. Studies on *Psilodraco breviceps* Norman, 1937 (Pisces, Notothenioidei, Bathydraconidae) from the region of South Georgia. — *Acta Ichthyol. Piscat., Szczecin*, 22, 1: 3–14.
- KOMPOWSKI A. 1992b. Food and feeding behaviour of *Parachaenichthys georgianus* (Fischer, 1885) and *Parachaenichthys charcoti* (Vaillant, 1906) (Pisces, Bathydraconidae). — *Acta Ichthyol. Piscat., Szczecin*, 22, 1: 15–29.
- KOMPOWSKI A. 1993a. The state of the blackfin icefish *Chaenocephalus aceratus* (Lönnerberg, 1906) (Pisces, Channichthyidae) stock off South Georgia (Antarctic) in 1988–1992. — XX Polar Symposium, Lublin 1993: 203–208.
- KOMPOWSKI A. 1993b. Food and feeding behaviour of eel-cod *Muraenolepis* sp., (Pisces, Gadiformes, Muraenolepididae) from the region of South Georgia. — *Acta Ichthyol. Piscat., Szczecin*, 23, 1: 59–68.
- KOMPOWSKI A. 1994a. Changes in the blackfin icefish stock structure (*Chaenocephalus aceratus* (Lönnerberg, 1906), Pisces, Notothenioidei, Channichthyidae) off South Georgia within 1975–1992. — *Acta Ichthyol. Piscat., Szczecin*, 24, 2: 53–60.
- KOMPOWSKI A. 1994b. Growth of the Antarctic fishes. A review. — XXI Polar Symposium, Warszawa, 1994: 255–263.
- KOMPOWSKI A. and ROJAS C. 1989. Badania nad oznaczeniem wieku *Parachaenichthys georgianus* (Pisces, Bathydraconidae) z rejonu Pd. Georgii [Studies on ageing of *Parachaenichthys georgianus* (Pisces, Bathydraconidae) from the South Georgia region]. — *Dorobek i perspektywy Polskich Badań Polarnych*. XVI Sympozjum Polarne, UMK, Toruń: 229–232.
- KOMPOWSKI A. and ROJAS C. 1991. On some diagnostic features and age determination of *Muraenolepis microps* off South Georgia. *The threatened world of fish*. — Seventh International Ichthyology Congress. The Hague, 1991: 37.
- KOMPOWSKI A. and ROJAS C. 1993. On some diagnostic features of *Muraenolepis* sp. (eel-cod) from the South Georgia shelf. — *Acta Ichthyol. Piscat., Szczecin*, 23, 1: 89–98.
- KOMPOWSKI A. and ROJAS C. 1994. On some biological characters of *Parachaenichthys georgianus* (Fischer, 1885) (Pisces, Notothenioidei, Bathydraconidae) from the shelf waters of South Georgia (Antarctica). — *Acta Ichthyol. Piscat., Szczecin*, 24, 2: 61–75.
- KOMPOWSKI A. and ROJAS C. 1995. Rozmieszczenie pionowe, wiek i szybkość wzrostu *Muraenolepis* sp. (Gadiformes, Muraenolepididae) [Vertical distribution, age and growth rate of *Muraenolepis* sp. (Gadiformes, Muraenolepididae)]. — XII Symposium Polarne, Zamek Książ.: 99–111.
- KREFT K. and SZYNAKA J. 1987. Preliminary report on biological observations and exploratory fishing data collected in the South Georgia area during the 1985/1986 cruise of mt Carina. — *SC-CAMLR Sel. Sci. Pap.*, 3: 65–97.
- KULESZ J. 1994. Seasonal biology of *Notothenia gibberifrons*, *N. rossi* and *Trematomus newnesi*, as well as respiration of young fish from Admiralty Bay (King George, South Shetland Islands). — *Pol. Arch. Hydrobiol.*, 41: 79–102.
- KULESZ J. and ZADRÓŻNY T. 1996. Biology of *Trematomus newnesi* Boulenger 1902 (King George Island, Antarctica). — *Pol. Arch. Hydrobiol.*, 43, 3: 355–364.

- LINKOWSKI T.B. 1983. *Electrona carlsbergi* (Tåning, 1932), the principal component of a deep scattering layer in the Pacific Sector of Antarctic Ocean. — Pol. Polar Res., 4: 71–78.
- LINKOWSKI T.B. 1985a. Population biology of the myctophid fish *Gymnoscopelus nicholsi* (Gilbert, 1911), from the western South Atlantic. — J. Fish Biol., 27: 683–698.
- LINKOWSKI T.B. 1985b. Biologia ryb pelagicznych [Pelagic Fish Biology]. — Rep. Sea Fish. Inst. 1982–1983, Gdynia: 147–150.
- LINKOWSKI T.B. 1987. Age and growth of four species of *Electrona* (Teleostei, Myctophidae). In: S.O. Kullander and B. Fernholm (eds), *Proceedings of the Fifth Congress of European Ichthyologists*, Stockholm 1985. — Swedish Museum of Natural History: 435–442.
- LINKOWSKI T.B., PRESLER P. and ŻUKOWSKI Cz. 1983. Food habits of nototheniid fishes (*Nototheniidae*) in Admiralty Bay (King George Island, South Shetland Islands). — Pol. Polar Res., 4: 79–95.
- LINKOWSKI T. and REMBISZEWSKI J.M. 1978. Ichthyological observations off the South Georgia coast. — Pol. Arch. Hydrobiol., 3: 697–704.
- LINKOWSKI T.B. and ŻUKOWSKI Cz. 1980. Observation on the growth of *Notothenia coriiceps neglecta* Nybelin and *Notothenia rossi marmorata* Fischer in Admiralty Bay (King George Island, South Shetland Islands). — Pol. Polar Res., 1, 2: 155–162.
- MUCHA M. 1980. Characteristics of South Georgia icefish (*Pseudochaenichthys georgianus*, Norman) from the region of South Georgia Island (Antarctic) in the years 1977–1979. — Pol. Polar Res., 1, 4: 163–172.
- RAKUSA-SUSZCZEWSKI S. 1972. Vidovoy sostav i nekotorye svoystva populacii ryby vylovlennoy zimoy u beregov Zaliva Alasheeva (Zemlya Enderby) [Species composition and some properties of the fish population caught in the winter near the coast of Alasheyev Bight (Enberby Land)]. — Bjul. Sov. Antarct. Eksped., 83: 63–69.
- REMBISZEWSKI J.M. 1981. *Pseudoicichthys australis* (Haedrich, 1966) and *Anotopterus pharao* Zugmayer, 1911, rare fishes from Antarctic waters. — Ann. Zool., Warsaw, 36, (12): 1–4.
- REMBISZEWSKI J.M., LINKOWSKI T.B. and ŚLÓSARCZYK W. 1983. Polskie badania ichtiologiczne w Antarktyce [Polish ichthyologic research in the Antarctic]. — Kosmos, ser. A, 2: 225–230.
- REMBISZEWSKI J.M., KRZEPTOWSKI M. and LINKOWSKI T.B. 1978. Fishes (Pisces) as by – catch in fisheries of krill *Euphausia superba* Dana (Euphausiacea, Crustacea). — Pol. Arch. Hydrobiol., 25, 3: 677–695.
- SAPOTA M.R. 1993. Observations on embryogenesis of *Notothenia neglecta* Nybelin in Admiralty Bay (King George Island, South Shetland Islands, Antarctica). — Stud. i Mater. Oceanologiczne, 64, 3: 283–289.
- SKÓRA K.E. 1980. Changes in composition of *Notothenia gibberifrons* Lönnberg population of the shelf of South Georgia in the years 1977–1979. — Pol. Polar Res., 4: 155–162.
- SKÓRA K.E. 1988a. Fishes in pelagic catches in the South Shetlands area (BIOMASS III, October–November 1986 and January 1987). — Pol. Polar Res., 9: 367–383.
- SKÓRA K.E. 1988b. Benthic fishes of the Elephant Island shelf (BIOMASS III, October–November 1986 and February 1987). — Pol. Polar Res., 9: 385–398.
- SKÓRA K.E. 1988c. Changes in the population structure and biomass of *Notothenia gibberifrons* from shelf area of South Georgia Island. In: Hyung Tack Huh, Byong-Kwon Park, Seo-Hang Lee (eds), Antarctic science: geology and biology. *Proceedings of the First International Symposium on Antarctic Science*, Nov. 4–5, 1988. Seoul, Korea: 187–198.
- SKÓRA K.E. 1992. Ryby. In: S. Rakusa-Suszczewski (ed.), *Zatoka Admiralicji – Antarktyka. Ekosystem strefy przybrzeżnej morskiej Antarktyki [The Admiralty Bay – the Antarctic. The Maritime Antarctic Coastal Ecosystem of Admiralty Bay]*. — Oficyna Wydawnicza IE PAN, Dziekanów Leśny: 159–168.
- SKÓRA K.E. 1993. Fishes. In: S. Rakusa-Suszczewski (ed.), *The Maritime Antarctic Coastal Ecosystem of Admiralty Bay*. Department of Antarctic Biology PAS, Warsaw: 123–128.

- SKÓRA K.E. and BALUSHKIN A.V. 1993. O nakhozhdenii kolchatogo notolepisa *Notolepis annulata* (Paralepididae) v morje Bellingshauzena (Antarktika) [On the occurrence of *Notolepis annulata* (Paralepididae) in the Bellingshausen Sea (Antarctic)]. — Vopr. Ikht., 33, 5: 713–714.
- SKÓRA K.E. and NEYELOV A.V. 1992. Fish of Admiralty Bay (King George Island, South Shetland Islands, Antarctica). — Pol. Biol., 12: 469–476.
- SKÓRA K.E. and SOSIŃSKI J. 1978. O rybach antarktycznych Morza Scotia [On Antarctic fish in the Scotia Sea]. — GTN-UG-WSM V Sympozjum Polarne, Gdańsk–Gdynia, 2: 129–153.
- SKÓRA K.E. and SOSIŃSKI J. 1983. Observations on the ichthyofauna distribution in the regions of the Scotia Sea and Antarctic Peninsula. — Pol. Polar Res., 4: 49–55.
- SOSIŃSKI J. 1981. Biologia porównawcza kergulen (*Champscephalus gunnari* Lönnberg 1905) z rejonów Antarktyki [Comparative biology of Antarctic icefish (*Champscephalus gunnari* Lönnberg 1905) from the Antarctic region]. — Stud. i Mater. Morsk. Inst. Ryb., Gdynia, ser. B, 48: 1–91.
- SOSIŃSKI J. 1983. Biologia porównawcza kergulen (*Champscephalus gunnari* Lönnberg 1905) z rejonów Antarktyki [Comparative biology of Antarctic icefish (*Champscephalus gunnari* Lönnberg) from the Antarctic region]. — Bull. Sea Fish. Inst., Gdynia, 5: 36–39.
- SOSIŃSKI J. 1985. Some data on taxonomy and biology of Antarctic icefish *Champscephalus gunnari* Lönnberg, 1905. — Acta Ichthyol. Piscat., Szczecin, 15, 2: 3–54.
- SOSIŃSKI J. and PACIORKOWSKI A. 1993. State of mackerel icefish (*Champscephalus gunnari* Lönnberg, 1905) stock from South Georgia area based on Polish biological investigations in 1975–1992. — Pol. Polar Res., 14, 4: 407–438.
- SOSIŃSKI J. and SKÓRA K. E. 1984. Observations on the ichthyofauna of the South Georgia shelf in 1977. — Rep. Sea Fish. Inst., Gdynia, 19: 91–100.
- SOSIŃSKI J. and SKÓRA K. E. 1985. Ryby Antarktyki (Przewodnik) [The fishes of the Antarctic (Guide)]. — Wydaw. Morsk. Inst. Ryb., Gdynia: 67 pp.
- SOSIŃSKI J. and SZLAKOWSKI J. 1992. Biological characteristics and biomass estimates of the fish stocks on the South Georgia shelf in the 1986/87 – 1988/89 seasons. — Acta Ichthyol. Piscat., Szczecin, 22, 2: 77–105.
- ŚLÓSARCZYK W. 1983a. Juvenile *Trematomus bernacchii* and *Pagothenia brachysoma* (Pisces, *Nototheniidae*) within krill concentrations off Balleny Islands (Antarctic). — Pol. Polar Res., 4: 57–69.
- ŚLÓSARCZYK W. 1983b. Preliminary estimation of abundance of juvenile *Nototheniidae* and *Channichthyidae* within krill swarms east of South Georgia. — Acta Ichthyol. Piscat., Szczecin, 13, 1: 3–11.
- ŚLÓSARCZYK W. 1983c. Młodociane *Notothenioidei* (Pisces) w koncentracjach kryla antarktycznego [Juvenile *Notothenioidei* (Pisces) within Antarctic krill swarms]. — Polskie Badania Polarne, 1970–1982, Toruń: 293–299.
- ŚLÓSARCZYK W. 1985a. Attempts at a quantitative estimate of distribution in relation to environment of postlarval and juvenile fish by trawl sampling in the Antarctic Peninsula region during SIBEX 1983/84. — Proc. Seventh Symp. Polar Biol., Tokyo 1985.
- ŚLÓSARCZYK W. 1985b. Postlarwalne i młodociane ryby nototeniowate (*Nototheniidae*) i białokrwiste (*Channichthyidae*) w atlantyckim sektorze Antarktyki [Postlarval and juvenile *Nototheniidae* and white-blooded fishes (*Channichthyidae*) in the Atlantic sector of the Antarctic]. — Rep. Sea Fish. Inst., 1984–1985, Gdynia: 124–127.
- ŚLÓSARCZYK W. 1986. Attempts at a quantitative estimate by trawl sampling of distribution of postlarval and juvenile notothenioids (Pisces, Perciformes) in relation to environmental conditions in the Antarctic Peninsula region during SIBEX 1983–84. — Mem. Nat. Inst. Polar Res., Spec. Issue, 40: 299–315.

- ŚLÓSARCZYK W. 1987. Contribution to the early life history of Channichthyidae from the Bransfield Strait and South Georgia (Antarctica). — Proc.V Congr. Europ. Ichthyol., Stockholm 1985: 427–433.
- ŚLÓSARCZYK W. and CIELNIAK Z. 1985. Postlarval and juvenile fish (Pisces, Perciformes and Myctophiformes) in the Antarctic Peninsula region during BIOMASS-SIBEX, 1983/1984. — Pol. Polar Res., 6: 159–165.
- ŚLÓSARCZYK W. and REMBISZEWSKI J.M. 1982. The occurrence of juvenile Notothenioidae (Pisces) within krill concentrations in the region of the Bransfield Strait and the southern Drake Passage. — Pol. Polar Res., 3: 299–312.
- ŚLÓSARCZYK W. and WÓJCIK J. 1987. Results of larvae sampling by means of fine-meshed sampler attached to a bottom trawl. — SC-CAMLR Sel. Sci. Pap. 1986: 61–86.
- ŚLÓSARCZYK W. and WYSOKIŃSKI A. 1980. Ichthyological and fishery studies of the shelf fishing grounds in the region of Kerguelen Islands (Antarctic). — Pol. Polar Res., 4: 73–190.
- ŚMIAŁOWSKA E. and KILARSKI W. 1981. Histological analysis of fibres in myotomes of Antarctic fish (Admiralty Bay, King George Island, South Shetland Islands) I. Comparative analysis of muscles fibres size. — Pol. Polar Res., 1: 109–129.
- WRÓBLEWSKI R.J. 1981. Ichthyological studies at Russian geophysical observatory 'Mirnyj' (Antarctic in winter 1979). — Pol. Polar Res., 2: 165–166.
- WRÓBLEWSKI R.J. 1982. Variation of body proportions during the period of growth of *Trematomus bernacchii* Boul. (Pisces; Nototheniidae). — Pol. Polar Res., 1: 69–79.
- ŻUKOWSKI Cz. 1975. Ryby wód subantarktycznych i antarktycznych [Two Subantarctic and Antarctic fishes]. — Tech. Gosp. Mor., 25, 10: 598–600.
- ŻUKOWSKI Cz. 1980. Catches of fishes of the genus *Notothenia* and *Trematomus* at Admiralty Bay (King George Island, South Shetland Islands) in the winter-spring season, 1977. — Pol. Polar Res., 2, 1: 163–167.
- See also in "Technology": Nodzyński 1974; 1976 a, b, c; 1978 a, b, c; Nodzyński, Żukowski 1972.

Physiology

- CZECZUGA B. 1978a. Carotenoids in fish. XVI. Representatives of family Nototheniidae from the Antarctic. — Pol. Arch. Hydrobiol., 3: 705–709.
- CZECZUGA B. 1978b. Carotenoids in fish. XVII. Studies of carotenoids in white-blooded fish (Chaenichthyidae) from the Antarctic. — Pol. Arch. Hydrobiol., 3: 711–715.
- DREWA G. and JACKOWSKA H. 1981. The arylsulphatase activity (E.C.3.1.6.1) in livers of different species of Antarctic animals. — Pol. Polar Res., 2: 103–108.
- NIEMIERKO S., SKANGIEL-KRAMSKA J., MLECZKO A. and RAKUSA-SUSZCZEWSKI S. 1978. The effect of the assay temperature on brain acetylcholinesterase activity of two Antarctic fish species. — Bull. Acad. Pol. Sci. Ser. Sci. Biol. Cl. II, 25, 12: 821–825.
- RAKUSA-SUSZCZEWSKI S. 1972. Respiration of the Antarctic fish eggs (*Trematomus borchgrevinki* Boul.). — Pol. Arch. Hydrobiol., 19: 399–401.
- RAKUSA-SUSZCZEWSKI S. 1975. Respiration and osmoregulation as the expression of the adaptation of the invertebrates and fishes to life under hypostenothermic conditions. — Pol. Arch. Hydrobiol., 22, 4: 521–552.
- RAKUSA-SUSZCZEWSKI S. and PIASEK A. 1973. Size, feeding and action of proteolytic enzymes in the Antarctic fish of *Trematomus* genus (*Notothenidae*). — Bull. Acad. Pol. Sci. Ser. Sci. biol., 21: 139–144.
- RAKUSA-SUSZCZEWSKI S. and ŻUKOWSKI Cz. 1980. Blood of antarctic fishes: *Notothenia rossii marmorata* Fischer and *Notothenia neglecta* Nybelin. — Pol. Polar Res., 1: 103–108.

- WITAS H., GABRYELAK T. and MATKOVICS B. 1984. Comparative studies on superoxide dismutase and catalase activities in livers of fish and other Antarctic vertebrates. — *Comp. Biochem. Physiol.*, 77 C: 409–411.
- WITAS H. and JAŹDZEWSKI K. 1986. Oxygen peroxide enzymes in Antarctic fishes and other vertebrates. — *Pol. Polar Res.*, 7: 155–166.

Palaeontology

- DOKTOR M., GAŹDZICKI A., JERZMAŃSKA A., POREBSKI S. J. and ZASTAWNIAK E. 1996. A plant- and-fish assemblage from the Eocene La Meseta Formation of Seymour Island (Antarctic Peninsula) and its environmental implications. In: A. Gaździcki (ed.), *Palaeontological Results of the Polish Antarctic Expeditions. Part II.* — *Palaeontol. Polon.*, 55: 127–146.
- DOKTOR M., GAŹDZICKI A., MARENSSI S. A., POREBSKI S. J., SANTILLANA S.N. and VRBA A.V. 1988. Argentine-Polish investigations on Seymour (Marambio) Island, Antarctica 1988. — *Pol. Polar Res.*, 9: 521–541.
- GAŹDZICKI A. 1989. Badania geologiczno-paleontologiczne Wyspy Seymour (Antarktyka Zachodnia) [Geological and paleontological investigations on Seymour Island (West Antarctica)]. — XVI Sympozjum Polarne, Toruń: 79–81.
- JERZMAŃSKA A. 1988. Isolated vertebrae of teleostean fishes from the Paleogene of Antarctica. — *Pol. Polar Res.*, 9: 421–435.
- JERZMAŃSKA A. 1991. First articulated teleost fish from the Paleogene of West Antarctica. — *Antarctic Science*, 3, (3): 309–316.
- JERZMAŃSKA A. and ŚWIDNICKI J. 1992. Gadiform remains from the La Meseta Formation (Eocene) of Seymour Island, West Antarctic. — *Pol. Polar Res.*, 13: 241–253.

Parasitology

- EL MEHLAWY M., ROKICKI J. and PODOLSKA M. 1993. Occurrence dynamics of *Eubrachiella antarctica* (Quidor, 1906) on *Dissostichus eleginoides* from South Georgia. — *Stud. Mat. Oceanol.*, 64, 3: 291–296.
- GRABDA J. 1978. Studies on parasitic infestation of blue whiting (*Micromesistius* sp.) with respect to the fish utilization for consumption. — *Acta Ichthyol. Piscat.*, Szczecin, 8: 29–40.
- GRABDA J. and LINKOWSKI T. 1978. *Colobomatus gymnoscopeli* sp. n. (Copepoda; Philichthyidae) a parasite of lateral line sensory canals of *Gymnoscopelus aphyus* Günther, 1873 (Myctophidae) from the Antarctic waters. — *Acta Ichthyol. Piscat.*, Szczecin, 8: 91–110.
- LUTNICKA H. and ZDZITOWIECKI K. 1984. On some problems related to the occurrence of *Pseudobenedenia nototheniae* Johnston, 1931 (Monogenea, Capsalidae, Trochopodinae) off the South Shetlands. — *Acta Ichthyol. Piscat.*, Szczecin, 14, (1–2): 141–147.
- ROKICKI J. 1988. Dynamika występowania pasożytów zewnętrznych u *Pseudochaenichthys georgianus* (Norman, 1937) [The dynamics of occurrence of external parasites on *Pseudochaenichthys georgianus* (Norman, 1937)]. — XV Sympozjum Polarne, Wrocław, 1988: 338–339.
- ROKICKI J. and EL MEHLAWY M.H. 1993. Notes on the development of parasitic Copepoda *Eubrachiella antarctica* (Quidor, 1906). — XX Polar Symposium, Lublin: 233–238.
- ROKICKI J. and SKÓRA K.E. 1986. Dynamika występowania *Eubrachiella antarctica* (Quidor, 1906) u *Notothenia gibberifrons* Lönnberg 1905 [Dynamics of occurrence of *Eubrachiella antarctica* (Quidor, 1906) in *Notothenia gibberifrons* Lönnberg 1905]. — *Wiad. Parazytol.*, 1, 32, 4: 511–515.

- ROKICKI J., STRÖMBERG J.O. and EL MEHLAWY M.H. 1993. The occurrence of *Eubrachiella antarctica* (Quidor, 1906) on the Antarctic fish *Champscephalus gunnari* (Lönnerberg, 1905). — XX Polar Symposium, Lublin, 1993: 239–248.
- ROKICKI J., STRÖMBERG J.O. and WÄGELE J.W. 1991. Pasożytnicze Isopoda ryb antarktycznych [Parasitic Isopoda of Antarctic fishes]. — XVIII Sympozjum Polarne. Abstrakty. Szczecin–Świnoujście, 1991: 38 and 79.
- ROKICKI J., WÄGELE J.W. and STRÖMBERG J.O. 1992. Note on occurrence and hosts of some parasitic Antarctic isopods (Crustacea, Isopoda). — Pol. Polar Res., 13, 1: 53–57.
- ROKICKI J. and ZDZITOWIECKI K. 1991. Dynamics of *Eubrachiella antarctica* (Quidor, 1906) (Copepoda) occurrence in *Notothenia rossii marmorata* (Fischer, 1885). — Acta Ichthyol. Piscat., Szczecin, 21, (2): 45–52.
- SOSŃSKI J. and JANUSZ J. 1986. The occurrence of the parasite *Eubrachiella gaini* Quidor, 1913 in Antarctic fishes of the family Chaenichthyidae. — Acta Ichthyol. Piscat., Szczecin, 16, 1: 87–105.
- WOJCIECHOWSKA A. 1990a. *Onchobothrium antarcticum* sp. n. (Tetraphyllidea) from *Bathyraja eatonii* (Günther, 1876) and a plerocercoid from Notothenioidea (South Shetlands, Antarctic). — Acta Parasit. Polon., 35, 2: 113–117.
- WOJCIECHOWSKA A. 1990b. *Pseudanthobothrium shetlandicum* sp. n. and *P. notogeorgianum* sp. n. (Tetraphyllidea) from rays in the regions of the South Shetlands and South Georgia (Antarctic). — Acta Parasit. Polon., 35, 3: 181–186.
- WOJCIECHOWSKA A. 1991a. New species of the genus *Phyllobothrium* (Cestoda, Tetraphyllidea) from Antarctic batoid fishes. — Acta Parasit. Polon., 36, 2: 63–68.
- WOJCIECHOWSKA A. 1991b. Some tetraphyllidean and diphyllidean cestodes from Antarctic batoid fishes. — Acta Parasit. Polon., 36, 2: 69–74.
- WOJCIECHOWSKA A. 1993a. The tetraphyllidean and tetrabothriid cercoids from Antarctic bony fishes. — Acta Parasit. Polon., 38, 1: 15–22.
- WOJCIECHOWSKA A. 1993b. The tetraphyllidean and tetrabothriid cercoids from Antarctic bony fishes. II. Occurrence of cercoids in various fish species. — Acta Parasit. Polon., 38, 3: 113–118.
- WOJCIECHOWSKA A. 1993c. The tetraphyllidean and tetrabothriid cercoids from Antarctic bony fishes. III. Infection of *Notothenia neglecta* and *N. rossii* in Admiralty Bay. — Acta Parasit. Polon., 38, 4: 166–169.
- WOJCIECHOWSKA A., ZDZITOWIECKI K., PISANO E. and VACCHI M. 1994. The tetraphyllidean cercoids from bony fishes occurring in the Ross Sea (Antarctic). — Acta Parasit. Polon., 39, 1: 13–15.
- ZDZITOWIECKI K. 1978a. Wstępne badania nad pasożytami ryb okolic południowych Sztetlandów i południowej Georgii (Antarktyka) [Preliminary investigations of fish parasites in South Shetlands and South Georgia (the Antarctic)]. — Kosmos, Seria A, 27: 651 — 659.
- ZDZITOWIECKI K. 1978b. On the occurrence of juvenile acanthocephalans of the genus *Corynosoma* Lühe, 1904 in fishes off South Georgia and South Shetland Islands (the Antarctic). — Acta Ichthyol. Piscat., Szczecin, 8, 2: 111–127.
- ZDZITOWIECKI K. 1978c. *Corynosoma shackletoni* sp. n. from hosts in South Shetlands and South Georgia (Antarctic). — Bull. Ac. Pol. Biol. Sci., 26: 629–634.
- ZDZITOWIECKI K. 1979. Digenetic trematodes in the alimentary tracts of fishes of South Georgia and South Shetlands (Antarctica). — Acta Ichthyol. Piscat., Szczecin, 9, (1): 15–31.
- ZDZITOWIECKI K. 1981. Redescription of *Aspersentis austrinus* Van Cleave, 1929 (Acanthocephala). — Acta Parasit. Polon., 28: 73–83.
- ZDZITOWIECKI K. 1983. Antarctic acanthocephalans of the genus *Metacanthocephalus*. — Acta Parasit. Polon., 28: 417–437.

- ZDZITOWIECKI K. 1984. Description of *Heterosentis heteracanthus* (Linstow, 1896) from Antarctic fishes, and remarks on the taxonomic status of *Heterosentis* Van Cleave, 1931 (Acanthocephala, Ahythmacanthidae). — *Acta Parasit. Polon.*, 29: 111–115.
- ZDZITOWIECKI K. 1986a. Prevalence of acanthocephalans in fishes of South Shetlands (Antarctic). I. Juvenile *Corynosoma* spp. — *Acta Parasit. Polon.*, 30: 143–160.
- ZDZITOWIECKI K. 1986b. Prevalence of acanthocephalans in fishes of South Shetlands (Antarctic). III *Metacanthocephalus johnstoni* Zdzitowiecki, 1983, *M. dalmori* Zdzitowiecki, 1983 and notes on other species; general conclusions. — *Acta Parasit. Polon.*, 31: 125–141.
- ZDZITOWIECKI K. 1986c. *Echinorhynchus nototherniae* sp. n. (Acanthocephala) from nototheniid fishes from the environs of South Shetlands (Antarctic). — *Acta Parasit. Polon.*, 31: 23–27.
- ZDZITOWIECKI K. 1986d. Acanthocephala of the Antarctic. — *Pol. Polar Res.*, 7: 79–117.
- ZDZITOWIECKI K. 1987a. Acanthocephalans of marine fishes in the regions of South Georgia and South Orkneys (Antarctic). — *Acta Parasit. Polon.*, 31: 211–217.
- ZDZITOWIECKI K. 1987b. Digenetic trematodes from the alimentary tract of fishes off South Shetlands (Antarctic). — *Acta Parasit. Polon.*, 32: 219–232.
- ZDZITOWIECKI K. 1988a. Occurrence of digenetic trematodes in fishes off South Shetlands (Antarctic). — *Acta Parasit. Polon.*, 33: 155–167.
- ZDZITOWIECKI K. 1988b. Infestation of Antarctic open sea fishes with acanthocephalans. — VI Congress of European Ichthyologists, Budapest, 1988. Programme and abstracts: 205.
- ZDZITOWIECKI K. 1989a. New data on the morphology and distribution of two acanthocephalans, *Andracantha baylisi* (Zdzitowiecki, 1986) comb. n. and *Corynosoma australe* Johnston, 1937. — *Acta Parasit. Polon.*, 34: 167–172.
- ZDZITOWIECKI K. 1989b. A redescription of *Echinorhynchus petrotschenkoi* (Rojuk, 1984) comb. n. (Acanthocephala). — *Acta Parasit. Polon.*, 34: 173–180.
- ZDZITOWIECKI K. 1989c. Morphologic and systematic data of 3 digenetic trematode species occurring in nototheniid fishes in the environs of the South Shetlands (Antarctic). — *Acta Parasit. Polon.*, 34: 319–324.
- ZDZITOWIECKI K. 1990a. Occurrence of acanthocephalans in fishes of the open sea off the South Shetlands and South Georgia (Antarctic). — *Acta Parasit. Polon.*, 35: 131–142.
- ZDZITOWIECKI K. 1990b. Little known and new Antarctic Digenea species of the genera *Neolepidapedon* and *Lepidapedon* (Lepocreadiidae). — *Acta Parasit. Polon.*, 35: 19–30.
- ZDZITOWIECKI K. 1990c. Reexamination of five Antarctic and subantarctic digenean and acanthocephalan species from Professor Szidat's collection. — *Acta Parasit. Polon.*, 35: 31–36.
- ZDZITOWIECKI K. 1990d. A redescription of *Discoverytrema markowskii* Gibson, 1976 and description of *D. gibsoni* n. sp. (Digenea, Opecoelidae). — *Systematic Parasitology*, 16: 163–167.
- ZDZITOWIECKI K. 1990e. Antarctic representatives of the genus *Macvicaria* Gibson and Bray, 1982 (Digenea Opecoelidae), with descriptions of two new species. — *Systematic Parasitology*, 16: 169–179.
- ZDZITOWIECKI K. 1991a. Occurrence of digeneans in open sea fishes off the South Shetland Islands and South Georgia, and a list of fish digeneans in the Antarctic. — *Pol. Polar Res.*, 12: 55–72.
- ZDZITOWIECKI K. 1991b. Parasitic worms as biological tags of the Antarctic fish. — Seventh Intern. Ichthyol. Congress, the Hague, 1991. Abstracts: 98.
- ZDZITOWIECKI K. 1991c. Antarctic Acanthocephala. In: J. W. Wägele and J. Sieg (eds), *Synopsis of the Antarctic Benthos*. — Koenigstein, Koeltz Scientific Books. 3: 116 pp.
- ZDZITOWIECKI K. 1992a. Antarctic representatives of the genus *Lecithaster* Lühe, 1901 (Digenea, Hemiuridae), with the description of a new species. — *Acta Parasit. Polon.*, 37: 57–63.
- ZDZITOWIECKI K. 1992b. Additional data on digenean infections of open sea fishes in the South Georgia area. — *Acta Parasit. Polon.*, 37: 223–224.

- ZDZITOWIECKI K. 1993a. A contribution to the morphology of the Antarctic fish lepecreadiid digeneans, with a description of a new genus. — *Acta Parasit. Polon.*, 38: 109-112.
- ZDZITOWIECKI K. 1993b. A re-examination of some Antarctic and subantarctic fish digeneans from the collection of the British Museum (Natural History). — *Acta Parasit. Polon.*, 38: 157-160.
- ZDZITOWIECKI K. 1993c. Parasites of vertebrates. In: S. Rakusa-Suszczewski (ed.) *The Maritime Antarctic Coastal Ecosystem of Admiralty Bay*. — Departament of Antarctic Biology, Polish Academy of Science, Warsaw: 153-160.
- ZDZITOWIECKI K. 1994. A description of *Lecithochirium whitei* sp. n. (Digenea, Hemiuroidea) from the Antarctic mesopelagic fish, *Bathylagus antarcticus* Günther. — *Acta Parasit. Polon.*, 39: 1-4.
- ZDZITOWIECKI K. and CIELECKA D. 1996. Morphology and occurrence of *Dichelyne (Cucullanellus) fraseri* (Baylis, 1929), a parasitic nematode of Antarctic and sub-Antarctic fishes. — *Acta Parasit. Polon.*, 41: 30-37.
- ZDZITOWIECKI K., PISANO E. and VACCHI M. 1992. Additional data to Antarctic representatives of the genus *Macvicaria* Gibson *et* Bray, 1982 (Digenea, Opecoelidae), with a key to species occurring in the Antarctic. — *Acta Parasit. Polon.*, 37: 131-134.
- ZDZITOWIECKI K., PISANO E. and VACCHI M. 1993a. Antarctic representatives of the genus *Neolebouria* Gibson, 1976 (Digenea, Opecoelidae), with description of one new species. — *Acta Parasit. Polon.*, 38: 11-14.
- ZDZITOWIECKI K., PISANO E. and VACCHI M. 1993b. New data on the morphology and occurrence of a parasite of Antarctic fishes, *Derogenes johnstoni* Prudhoe *et* Bray, 1973 (Digenea, Hemiuroidea). — *Acta Parasit. Polon.*, 38: 69-71.
- ZDZITOWIECKI K. and ROKOSZ B. 1986. Prevalence of acanthocephalans in fishes of South Shetlands (Antarctic). II. *Aspersentis austrinus* Van Cleave, 1929 and remarks on the validity of *Heteracanthocephalus hureaui* Dollfus, 1965. — *Acta Parasit. Polon.*, 30: 161-171.
- ZDZITOWIECKI K. and WHITE M.G. 1992a. Acanthocephalan infection of inshore fish in two fjords at South Georgia. — *Antarctic Sci.*, 4: 197-203.
- ZDZITOWIECKI K. and WHITE M.G. 1992b. Digenean Trematoda infection of inshore fish at South Georgia. — *Antarctic Sci.*, 4: 51-55.

Exploitation and Biomass

- CIELNIASZEK Z. 1993. Eksploatacja żywych zasobów Antarktyki — XI Sesja Komisji ds Zachowania Żywych Morskich Zasobów Antarktyki (CCAMLR) [Exploitation of Antarctic living resources — XI Session of the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR)]. — *Bull. Sea Fish. Inst., Gdynia*, 2, (129): 51-53.
- CIELNIASZEK Z. 1994. Angielsko-polskie badania zasobów ryb szelfu Georgii Południowej w latach 1989-1992 [English-polish research on fish stocks in the shelf of South Georgia in the years 1989-1992]. — *Bull. Sea Fish. Inst., Gdynia*, 1: 70-75.
- CIELNIASZEK Z. 1995a. Możliwości połowów w Antarktyce [Possibility of fisheries in the Antarctic]. — *Wiadomości Rybackie*, 10, (60): 1-4.
- CIELNIASZEK Z. 1995b. Połowy na Antarktyce (z XIII Sesji CCAMLR) [Fisheries in the Antarctic (XIII Session of CCAMLR)]. — *Wiadomości Rybackie*, 3, (51): 8-9.
- EVERSON I., PARKES G., KOCK K.H., CAMPBELL S., CIELNIASZEK Z. and SZLAKOWSKI J. 1992. Fish stock assessment survey in subarea 48.3. — *SC-CAMLR Sel. Sci. Pap.*, Hobart, Australia: 25-67.
- GANOWIAK H. 1979. Osiągnięcia Morskiego Instytutu Rybackiego w dziedzinie eksploatacji żywych zasobów Antarktyki [Attainments of the Sea Fisheries Institute in exploitation of the living Antarctic resources]. — *Bull. Sea Fish. Inst., Gdynia*, 4: 19-22.

- HUREAU J.C. and ŚLÓŠARCZYK W. 1990. Exploitation and conservation of Antarctic fishes and recent ichthyological research in the Southern Ocean. *In*: O. Gon and P. C. Heemstra (eds), *Fishes of the Southern Ocean*. — J. L. B. Smith Inst. Ichthyol., Grahamstown: 52–63.
- MUCHA M. 1984. Biomass estimates of commercial fishes in the South Georgia region (by “swept area” method). — *Pol. Polar Res.*, 5: 107–111.
- MUCHA M. 1985. Biomasa ryb Georgii Południowej [Fish biomass of South Georgia]. — *Rep. Sea Fish. Inst.* 1982–1983, Gdynia: 142–144.
- MUCHA M. and ŚLÓŠARCZYK W. 1988. Analysis of changes in biomass of fish stocks in the South Georgia area in 1976/77–1986/87. — *SC-CAMLR Sel. Sci. Pap.*, 1987, 4: 185–211.
- NEUGEBAUER W. and ŚLÓŠARCZYK W. 1978. III Polska Morska Ekspedycja Antarktyczna [III Polish Marine Antarctic Expedition]. — *Tech. Gosp. Mor.*, 28, 9: 524–526.
- PARKES G.B., EVERSON I., SOSIŃSKI J., CIELNIAK Z. and SZLAKOWSKI J. 1989. Report of the joint UK/Polish fish stock assessment survey around South Georgia, February 1989. — *CCAMLR, Doc. WG-FSA-89/6*, Hobart, Australia: 1–34.
- RAKUSA-SUSZCZEWSKI S. 1973a. Wyprawa polskich hydrobiologów na Antarktydę [Polish hydrobiologists expedition to the Antarctic]. — *Oceanologia*, 2: 226–230.
- RAKUSA-SUSZCZEWSKI S. 1973b. II wyprawa biologów polskich na Antarktydę [II Expedition of Polish biologists to the Antarctic]. — *Wiad. Ekol.*, 19, 1: 87–90.
- RAKUSA-SUSZCZEWSKI S. 1975a. III wyprawa biologów polskich na Antarktydę [III Expedition of Polish biologists to the Antarctic]. — *Wiad. Ekol.*, 21, 3: 259–262.
- RAKUSA-SUSZCZEWSKI S. 1975b. Problemy eksploatacji ryb w Antarktyce [Problems of fish exploitation in the Antarctic]. — *Tech. Gosp. Mor.*, 25: 209–210.
- RAKUSA-SUSZCZEWSKI S. 1978. First Polish Marine Research Expedition on R/V “Profesor Siedlecki” and M/T “Tazar” in 1975/76. — *Pol. Arch. Hydrobiol.*, 25, 3: 505–510.
- RAKUSA-SUSZCZEWSKI S. 1980. Antarktyka. Zasoby mineralne i żywe [The Antarctic. Mineral and living resources]. — *Ossolineum. PAN*, 100 pp.
- RAKUSA-SUSZCZEWSKI S. 1988. Differences in the hydrology, biomass, and species distribution of plankton, fishes and birds in the Bransfield Strait and the Drake Passage During FIBEX 1981 and SIBEX 1983/84. *In*: D. Sahrhage (ed.), *Antarctic Ocean and Resources Variability*. — Springer-Verlag, Berlin-Heidelberg: 214–218.
- RAKUSA-SUSZCZEWSKI S. and LIPSKI M. 1985. Report on the r/v “Profesor Siedlecki” expedition to the Antarctic during the BIOMASS-SIBEX, in 1983/1984. — *Pol. Polar Res.*, 6: 7–19.
- SOSIŃSKI J. 1979. “Profesor Siedlecki” w IV Morskiej Ekspedycji Antarktycznej [“Profesor Siedlecki” on the Fourth Marine Antarctic Expedition]. — *Tech. Gosp. Mor.*, 8: 466–468.
- SOSIŃSKI J. 1982. Zasoby Antarktyki [The Antarctic resources]. — *Rep. Sea Fish. Inst.*, 1980–1981, Gdynia: 77–80.
- SOSIŃSKI J. 1985a. Polskie rybołówstwo i badania zasobów ryb w Antarktyce [Polish fishery and fish stocks investigations in the Antarctic]. — *Bull. Sea Fish. Inst.*, Gdynia, 3–4, 89–90: 57–62.
- SOSIŃSKI J. 1985b. Zasoby ryb wód Georgii Południowej [Fish stocks of South Georgia]. — *Rep. Sea Fish. Inst.*, 1982–1983, Gdynia: 140–142.
- SOSIŃSKI J. 1987a. Zasoby ryb wód Georgii Południowej [Fish stocks of South Georgia]. — *Rep. Sea Fish. Inst.*, 1984–1985, Gdynia: 122–124.
- SOSIŃSKI J. 1987b. Siódma wyprawa r.v. “Profesor Siedlecki” na wody Antarktyki [Seventh Antarctic expedition of r.v. “Profesor Siedlecki”]. — *Bull. Sea Fish. Inst.*, Gdynia, 5–6, (103–104): 3–14.
- SOSIŃSKI J. 1990. Rozmieszczenie i stan zasobów rybnych na szelfie Georgii Południowej w lutym 1989 roku [Distribution and state of fish stocks on the shelf of South Georgia in February 1989]. — *Bull. Sea Fish. Inst.*, Gdynia, 5–6, 121–122: 3–12.
- SOSIŃSKI J. 1994. Results of Polish investigations and catches of fish off South Orkney Islands (Antarctica). — *Bull. Sea Fish. Inst.*, Gdynia, 2: 53–66.

- SOSIŃSKI J. and KURANTY J. 1979. Morze Scotia – nowy rejon połowów ryb polskiego rybołówstwa [The Scotia Sea – a new fishing area for the Polish fishery]. — Tech. Gosp. Mor. 1: 12–15.
- SOSIŃSKI J., MUCHA M., SKÓRA K. E. and ŚLÓSARCZYK W. 1984. Polskie połowy i stan zasobów ryb w rejonie Georgii Południowej [Polish fisheries and fish stocks condition in the area of South Georgia]. — Bull. Sea Fish. Inst., Gdynia, 3: 18–29.
- SOSIŃSKI J. and SKÓRA K. E. 1977. Wyniki badań ichtiologicznych prowadzonych na m.t. "Gemini" w czasie II Polskiej Ekspedycji Antarktycznej [Results of ichthyological studies carried out on board MT "Gemini" during the Second Polish Antarctic Expedition]. — Bull. Sea Fish. Inst., Gdynia, 5: 23–29.
- SOSIŃSKI J. and SKÓRA K.E. 1987. Biomass estimate of commercial fish on the shelf of South Georgia by the swept area method. — Bull. Sea Fish. Inst., 5: 8–14.
- SOSIŃSKI J. and SKÓRA K. E. 1988. Results of investigation by R. V. Profesor Siedlecki of the state of fish stocks in the Scotia Arc area in the 1986/1987 season. — Bull. Sea Fish. Inst., Gdynia, 3: 31–43.
- ŚLÓSARCZYK W., BALGUERIAS E., SHUST K.V. and IGLESIAS S. 1990. Evaluation of the results of trawl selectivity experiments by Poland, Spain and USSR in 1978/79, 1981/82 and 1986/87. — SC-CAMLR Sel. Sci. Pap., 1989: 163–196.
- ŚLÓSARCZYK W., SOSIŃSKI J., MUCHA M., SKÓRA K. and KOMPOWSKI A. 1984. A review of Polish fishery and assessment of fish stock biomass off South Georgia. — SC-CAMLR Sel. Sci. Pap., 1982–1984, 1: 395–424.
- ZADRÓŻNY T. 1996. Fish of Admiralty Bay caught in 1994 and 1995 (King George Island, South Shetland Islands, Antarctica). — Pol. Arch. Hydrobiol., 43, 3: 347–354.
- ZAUCHA J. 1988. Preliminary appraisal of Antarctic fish selectivity by the 32/36 bottom trawl with various codends. — SC-CAMLR Sel. Sci. Pap., 1987, 4: 1–50.
- ZAUCHA J. 1989. Selectivity of standard Polish commercial trawl codends on Antarctic fishing grounds. — SC-CAMLR Sel. Sci. Pap., 5.
- ZAUCHA J. 1993. On some body proportions of commercial Antarctic fish. — Bull. Sea Fish. Inst., Gdynia, 1, 128: 59–67.
- ŻUKOWSKI Cz. 1974. Stan zasobów oraz eksploatacja rączka krila i ryb w wodach antarktycznych [The stock condition and exploitation of krill and fishes in the Antarctic waters]. — Bull. Sea Fish. Inst., Gdynia, 5: 53–55.
- See also in "Biology": Sosiński, Skóra 1985; Sosiński, Szlakowski 1992; Ślósarczyk, Wysockiński 1980.

Technology

- MACIEJCZYK J. 1981. Przydatność technologiczna śledzika antarktycznego [Technological usage of the Antarctic herring]. — Bull. Sea Fish. Inst., Gdynia, 5: 60–62.
- NODZYŃSKI J. 1974. Uwagi ogólne i ocena technologiczna nototenii (*Dissostichus eleginoides*) [Notes and technological evaluation of patagonian toothfish (*Dissostichus eleginoides*)]. — Bull. Sea Fish. Inst., Gdynia, 4: 21–25.
- NODZYŃSKI J. 1976a. Charakterystyka technologiczno-biologiczna krokodylca (*Chaenichthys rhinoceratus*) z rejonu łowisk Archipelagu Kerguelena [Technological and biological characteristics of longsnouted icefish (*Chaenichthys rhinoceratus*) from the fishing grounds of Kerguelen archipelago]. — Bull. Sea Fish. Inst., Gdynia, 2: 21–25.
- NODZYŃSKI J. 1976b. Charakterystyka technologiczno-biologiczna nototenii (*Notothenia rossi*) z rejonu łowisk Archipelagu Kerguelena [Technological and biological characteristics of marbled notothenia (*Notothenia rossi*) from the fishing grounds of the Kerguelen archipelago]. — Bull. Sea Fish. Inst., Gdynia, 3: 15–19.

- NODZYŃSKI J. 1976c. Georgianka (*Pseudochaenichthys georgianus*) nowy gatunek ryb z łowisk Georgii Południowej [South Georgia icefish (*Pseudochaenichthys georgianus*) a new fish species from the South Georgia fishing grounds]. — Bull. Sea Fish. Inst., Gdynia, 4: 14–18.
- NODZYŃSKI J. 1978a. Charakterystyka technologiczno-biologiczna nototenii (*Notothenia rossii marmorata*) z rejonu łowisk Południowej Georgii [Technological and biological characteristics of marbled notothenia (*Notothenia rossii marmorata*) from the South Georgian fishing grounds]. — Bull. Sea Fish. Inst., Gdynia, 3: 17–21.
- NODZYŃSKI J. 1978b. Ocena technologiczno-biologiczna skwamy (*Notothenia squamifrons*) poławianej w rejonie wysp Kerguelena [Technological and biological evaluation of scaled notothenia (*Notothenia squamifrons*) caught in the area of the Kerguelen Islands]. — Bull. Sea Fish. Inst., Gdynia, 4: 46–49.
- NODZYŃSKI J. 1978c. Ocena przydatności niektórych gatunków ryb białokrwistych z łowisk antarktycznych [Usage evaluation of some white — blooded fish species from the Antarctic fishing areas]. — Tech. Gosp. Mor., 7: 400–403.
- NODZYŃSKI J. 1978d. Charakterystyka technologiczno-biologiczna nototenii żółtej z rejonu łowisk Georgii Południowej [Technological and biological characteristics of humphead notothen from the South Georgian fishing grounds]. — Morska Gospodarka Rybna, Biuletyn ZGR, 1978: 29–32.
- NODZYŃSKI J. and ŻUKOWSKI Cz. 1972. Biologiczna i technologiczna charakterystyka błękitka [Biological and technological characteristics of southern blue whiting]. — Stud. i Mater. Morsk. Inst. Ryb., Gdynia, ser. D, 7: 43.
- SKORUPSKI W., POŁUJANOWSKI P. and DUTKIEWICZ D. 1978. Maszynowa obróbka ryb antarktycznych [Machine processing of Antarctic fishes]. — Bull. Sea Fish. Inst., Gdynia, 3: 22–24.

Others

- GANOWIAK Z., GAJEWSKA R. and WITUSZYŃSKA B. 1976. Zawartość wybranych składników odżywczych w niektórych gatunkach ryb poławianych w rejonie Archipelagu Wysp Crozeta i Kerguelena [Contents of chosen nutritional elements in particular fish species caught in the area of Crozet and Kerguelen Islands archipelago]. — Bull. Sea Fish. Inst., Gdynia, 3: 49–51.
- JACKOWSKA H. 1978. Bibliography of the Antarctic krill and other crustaceans, fishes and squids. — Pol. Arch. Hydrobiol., 25, 3: 739–783.