Список литературы

[1] Arratia, G, González-Rodríguez, K. A, & Hernández-Guerrero, C. (2018) A new Pachyrhizodontid Fish (Actinopterygii, Teleostei) from the Muhi Quarry (Albian-Cenomanian), Hidalgo, Mexico. *Fossil Record* **21**, 93–107.

[2] Agassiz, L. (1833) *Recherches sur les Poissons Fossiles. Tome II.* pp. 1–336.

[3] Doiuchi, R & Nakabo, T. (2005) The *Sphyraena obtusata* group (Perciformes: Sphyraenidae) with a description of a new species from southern Japan. *Ichthyological Research* **52**, 132–151.

[4] Mainwaring, A. J. (1978) Anatomical and Systematic review of the Pachycormidae, a family of Mesozoic fossil fishes. p. 162.

[5] Sánchez-Villagra, M. R, Asher, R. J, Rincón, A. D, Carlini, A. A, Meylan, P. A, & Purdy, R. W. (2004) New faunal reports for the cerro La Cruz locality (Lower Miocene), north-eastern Venezuela. *Special Papers in Palaeontology* **71**, 105–112.

[6] Betancur-R, R, Wiley, E. O, Arratia, G, Acero, A, Bailly, N, Miya, M, Lecointre, G, & Ortí, G. (2017) Phylogenetic classification of bony fishes. *BMC Evolutionary Biology* **17**, 1–40.

[7] Fowler, H. W. (1903) New and little known Mugilidae and Sphyraenidae. *Proceedings of the Academy of Natural Sciences of Philadelphia* **55**, 743–752.

[8] Brzobohatý, R & Nolf, D. (2011) Fish otoliths from the middle Eocene (Bartonian) of Yebra de Basa, province of Huesca, Spain. *Bulletin de l'Institut Royal des Sciences Naturelles de Belqique, Sciences de la Terre* **81**, 279–295.

[9] Cope, E. D. (1875) Synopsis of the Vertebrata of the Miocene of Cumberland County , New Jersey. *Proceedings of the American Philosophical Society* **14**, 361–364.

[10] Bryant, J. D. (1991) New early Barstovian (Middle Miocene) vertebrates from the upper Torreya Formation, Eastern Florida Panhandle. *Journal of Vertebrate Paleontology* **11**, 472–489.

[11] Okonechnikov, K, Golosova, O, Fursov, M, Varlamov, A, Vaskin, Y, Efremov, I, German Grehov, O. G, Kandrov, D, Rasputin, K, Syabro, M, & Tleukenov, T. (2012) Unipro UGENE: A unified bioinformatics toolkit. *Bioinformatics* **28**, 1166–1167.

[12] Arambourg, C. (1966) Les poissons oligocènes de l'Iran. *Notes et Mémoires sur le Moyen-Orient* **3**, 1–210.

[13] Amalfitano, J, Giusberti, L, Fornaciari, E, & Carnevale, G. (2017) A reappraisal of the Italian record of the cretaceous Pachycormid Fish *Protosphyraena* Leidy, 1857. *Rivista Italiana di Paleontologia e Stratigrafia* **123**, 475–485.

[14] Dollo, L & Storms, R. (1888) Sur les Téléostéens du Rupélien. *Zoologischer Anzeiger* **11**, 265–267.

[15] Ronquist, F, Teslenko, M, Van Der Mark, P, Ayres, D. L, Darling, A, Höhna, S, Larget, B, Liu, L, Suchard, M. A, & Huelsenbeck, J. P. (2012) MrBayes 3.2: Efficient bayesian phylogenetic inference and model choice across a large model space. *Systematic Biology* **61**, 539–542.

[16] R Core Development Team. (2017) R: A language and environment for statistical computing.

[17] Bannikov, A. F. (2010) *Iskopaemye pozvonochnye Rossii i sopredel'nykh stran. Iskopaemye kolyucheperye ryby (Teleostei, Acanthopterigii).* (GEOS, Moscow), p. 92.

[18] Leidy, J. (1856) Notice of remains of extinct vertebrated animals of New-Jersey, collected by Prof. Cook of the State Geological Survey under the direction of Dr. W. Kitchell. *Proceedings of the Academy of Natural Sciences of Philadelphia* **8**, 220–221.

[19] Weiler, W. v. W. (1938) Neue Untersuchungen an Mitteloligozänen Fischen Ungarns. *Geologica Hungarica. Series Palaeontologica* **15**.

[20] Bone, D. A, Todd, J. A, & Tracey, S. (1991) Fossils from the Bracklesham Group exposed in the M27 Motorway excavations, Southampton, Hampshire. *Tertiary Research* **12**, 131–137.

[21] FAO-FIGIS. (2005) in *A World Overview of Species of Interest to Fisheries.* (FAO, Rome), pp. 1–3.

[22] Rana, R. S. (1990) Palaeontology and palaeoecology of the intertrappean (Cretaceous-Tertiary transition) beds of the Peninsular India. *Journal of the Palaeontological Society of India* **35**, 105–120.

[23] Leidy, J. (1855) Indications of twelve species of fossil Fishes. *Proeceedings of the Academy of Natural Sciencies of Philadelphia* **7**, 395–397.

[24] Grubich, J. R, Rice, A. N, & Westneat, M. W. (2008) Functional morphology of bite mechanics in the Great Barracuda (*Sphyraena barracuda*). *Zoology* **111**, 16–29.

[25] Bardack, D. (1969) Anatomy and evolution of Chirocentrid fishes. *University of Kansas Paleontological Contributions* **10**, 1–86.

[26] Casier, E. (1946) La faune ichthyologique de l'Yprésien de la Belgique. *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **104**, 1–267.

[27] Mateus, O, Callapez, P. M, Polcyn, M. J, Schulp, A. S, Gonçalves, A. O, & Jacobs, L. L. (2019) The Fossil Record of Biodiversity in Angola Through Time: A Paleontological Perspective. *Biodiversity of Angola* pp. 53–76.

[28] Friedman, M & Carnevale, G. (2018) The Bolca Lagerstätten: shallow marine life in the Eocene. *Journal of the Geological Society* **175**, 569–579.

[29] Monsch, K. A. (2000) Ph.D. thesis.

[30] Bannikov, A. F. (2008) Revision of the Atheriniform fish genera *Rhamphognathus* Agassiz and *Mesogaster* Agassiz (Teleostei) From the Eocene of Bolca, northern Italy. *Studie Ricerche sui Giacimenti Terziari di Bolca* **9**, 65–76.

[31] Nelson, J. S, Grande, T, & Wilson, M. V. H. (2016) *Fishes of the World.* (John Wiley & Sons, New Jersey), 5 edition, pp. 1–707.

[32] Pastore, M. A. (2009) *Sphyraena intermedia* sp. nov. (Pisces: Sphyraenidae): a potential new species of barracuda identified from the central Mediterranean Sea. *Journal of the Marine Biological Association of the United Kingdom* **89**, 1299–1303.

[33] Forey, P. L. (1977) The osteology of *Notelops* Woodward, *Rhacolepis* Agassiz and *Pachyrhizodus* Dixon (Pisces: Teleostei). *Bulletin of the British Museum (Natural History)* **28**, 123–204.

[34] Mas, G. (2000) Ictiofauna del Pliocè mitjà-superior de la conca sedimentària de Palma (Illes Balears, Mediterrània Occidental). Implicacions paleoambientals. *Bolleti de la Societat d'Historia Natural de les Balears* **43**, 39–61.

[35] Nolf, D. (1985) *Handbook of Paleoichthyology. Otolithi Piscium* ed. Schultze, H.-P. (Gustav Fischer Verlag), pp. 1–145.

[36] Hays, I. (1830) Description of a fragment of the head of a new fossil animal, discovered in a Marl Pit, near Moorestown, New Jersey. *Transactions of the American Philosophical Society* **3**, 471–477.

[37] Carrillo-Briceño, J. D, Reyes-Cespedes, A. E, Salas-Gismondi, R, & Sánchez, R. (2018) A new vertebrate continental assemblage from the Tortonian of Venezuela. *Swiss Journal of Palaeontology* **0123456789**.

[38] Fricke, R, Kulbick, M, & Wantiez, L. (2011) Checklist of the fishes of New Caledonia, and their distribution in the Southwest Pacific Ocean (Pisces). *Stuttgarter Beiträge zur Naturkunde A, New Series* **4**, 341–463.

[39] Woodward, A. S. (1895) *Catalogue of the Fossil Fishes in the British Museum (Natural History). Part III.* (Taylor & Francis, London), pp. 1–544.

[40] Artedi, P. (1793) *Petri Artedi Angermannia–Sueci synonymia nominum piscium fere omnium;... Ichthyologiae pars IV. Editio II. Grypeswaldiae* ed. Röse, A. F. pp. 1–140.

[41] Fricke, R, Eschmeyer, W. N, & van der Laan, R. (2019) Eschmeyer's catalog of Fishes: Genera, species, references.

[42] Fanti, F, Minelli, D, Conte, G. L, & Miyashita, T. (2016) An exceptionally preserved Eocene Shark and the rise of modern predator–prey interactions in the coral reef food web. *Zoological Letters* **2**, 2–18.

[43] de Sylva, D. P. (1963) Systematics and life history of the great barracuda *Sphyraena barracuda* (Walbaum). *Studies in Tropical Oceanography* **1**, 1–179.

[44] Dames, F. T. W. (1883) Über eine tertiäre Wirbelthier-fauna von der westlichen Insel Birket-el-Qurun im Fajum (Aegypten). *Sitzungsber . d . kgl . pr . Akad . d . Wiss. zu Berlin* **6**, 129–135.

[45] Páramo-Fonseca, M. E. (2001) Los peces de la familia Pachyrhizodontidae (Teleostei) del Turoniano del Valle Superior del Magdalena. *Bolteín Geológico Ingeominas* **39**, 47–83.

[46] Whitley, G. P. (1947) New sharks and fishes from Western Australia. Part 3. *Australian Zoologist* **11**, 129–150.

[47] Deméré, T. A, Roeder, M. A, Chandler, R. M, & Minch, J. A. (1984) in *Miocene and Cretaceous Depositional Environments, Northwestern Baja California, Mexico*, eds. Minch, J. A & Ashby, J. R. (Pacific Section AAPG, Baja California), pp. 47–56.

[48] Bourque, J. R. (2013) in *Morphology and Evolution of Turtles.* (Springer Sciences+Business Media, Dodrecht), pp. 459–475.

[49] Santini, F, Carnevale, G, & Sorenson, L. (2015) First timetree of Sphyraenidae (Percomorpha) reveals a Middle Eocene crown age and an Oligo–Miocene radiation of Barracudas. *Italian Journal of Zoology* **82**, 133–142.

[50] Darriba, D, Taboada, G. L, Doallo, R, & Posada, D. (2012) jModelTest 2: more models, new heuristics and parallel computing. *Nature Methods* **9**, 772–772.

[51] Rapp, W. F. (1946) Check list of the fossil fishes of New Jersey. *Journal of Paleontology* **20**, 510–513.

[52] Marsili, S, Carnevale, G, Danese, E, Bianucci, G, & Landini, W. (2007) Early Miocene vertebrates from Montagna della Maiella, Italy. *Annales de Paléontologie* **93**, 27–66.

[53] Casier, E. (1944) Contributions a l'etude des poissons fossiles de la Belgique. VII. Morphologie du dentaire de Sphyraenodus lerichei Casier. *Bulletin du Museé Royal d'Histoire Naturelle de Belgique* **20**, 1–8.

[54] Huyghebaert, B & Nolf, D. (1979) on fish-otoliths, published since 1968. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* **16**, 139–170.

[55] Bemis, W. E, Giuliano, A, & McGuire, B. (2005) Structure, attachment, replacement and growth of teeth in bluefish, *Pomatomus saltatrix* (Linnaeus, 1766), a teleost with deeply socketed teeth. *Zoology* **108**, 317–327.

[56] Nakamura, I. (1985) *FAO Species Catalogue. Volume 5. Billifishes of the World.* (FAO, Rome) Vol. 5, pp. 1–65.

[57] Newton, E. T. (1877) On the remains of *Hypsodon*, *Portheus*, and *Ichthyodectes* from British Cretaceous strata, with descriptions of new species. *Quarterly Journal of the Geological Society* **33**, 505–523.

[58] Bassani, F. (1889) Ricerche sui pesci fossili di Chiavon (Strati di Sotzka - Miocene Inferiore). *Atti della Reale Accademia delle Scienze Fisiche e Matematiche* **3**, 1–100.

[59] Woodward, A. S. (1901) *Catalogue of the Fossil Fishes in the British Museum (Natural History). Part IV.* (Taylor & Francis, London), pp. 1–636.

[60] Leidy, J. (1877) Description of vertebrate remains chiefly from the phosphate beds of South Carolina. *Journal of the Academy of Natural Sciences* **8**, 209–261.

[61] White, E. I. (1926) Eocene Fishes from Nigeria. *Bulletin of the Geological Survey of Nigeria* **10**, 1–82.

[62] Hendy, A. J. W, Jones, D. S, Moreno, F, Zapata, V, & Jaramillo, C. A. (2015) Neogene molluscs, shallow marine paleoenvironments, and chronostratigraphy of the Guajira Peninsula, Colombia. *Swiss Journal of Palaeontology* pp. 1–31.

[63] Katoh, K & Standley, D. M. (2013) MAFFT multiple sequence alignment software version 7: Improvements in performance and usability. *Molecular Biology and Evolution* **30**, 772–780.

[64] Nolf, D. (1972) Deuxième note sur les Téléostéens des sabens de Lede (Éocène Belge). *Bulletin de la Societe Belge de Geologie, Paleontologie et Hydrologie* **81**, 95–109.

[65] Senou, H. (2001) in *The Living Marine Resources of the Western Central Pacific. Volume 6*, eds. Carpenter, K. E & Niem, V. H. (FAO, Rome), pp. 3685–3697.

[66] Gillette, D. D. (1984) A marine ichthyofauna from the Miocene of Panama, and the Tertiary Caribbean Faunal Province. *Journal of Vertebrate Paleontology* **4**, 172–186.

[67] Woodward, A. S. (1889) *Catalogue of the Fossil Fishes in the British Museum (Natural History). Part I.* (Taylor & Francis, London), pp. 1–474.

[68] Agassiz, L. (1846) *Nomina Systematica Generum Piscium, tam Viventum Quam Fossilum.* pp. 1–69.

[69] Agassiz, L. (1833) *Recherches sur les Poisson Fossiles. Tome III.* pp. 1–390.

[70] Ray, C. E, Wetmore, A, Dunkle, D. H, & Drez, P. (1968) Fossil vertebrates from the marine Pleistocene of southeastern Virginia. *Smithsonian Miscellaneous Collections* **153**, 1–25.

[71] Quillévéré, F, Koskeridou, E, Cornée, J.-J, Moissette, P, Girone, A, & Agiadi, K. (2018) Pleistocene marine fish invasions and paleoenvironmental reconstructions in the eastern Mediterranean. *Quaternary Science Reviews* **196**, 80–99.

[72] Schultz, O, Brzobohatý, R, & Kroupa, O. (2010) Fish teeth from the Middle Miocene of Kienberg at Mikulov, Czech Republic, Vienna Basin. *Annalen des Naturhistorischen Museums in Wien, Serie A* **112**, 489–506.

[73] Díaz-Franco, S & Rojas-Consuegra, R. (2009) Dientes fósiles de *Sphyraena* (Perciformes: Sphyraenidae) en el Terciario de Cuba Occidental. *Solenodon* **8**, 124–129.

[74] Böhm, J. (1926) in *Die Diamantenwüste Sudwestafrikasfrikas. Vol II*, ed. Kaiser, E. (Berlin), pp. 55–87.

[75] Westgate, J. W. (1984) Lower vertebrates from the late Eocene Crow Creek local fauna, St. Francis County, Arkansas. *Journal of Vertebrate Paleontology* **4**, 536–546.

[76] Gottfried, M. D, Samonds, K. E, Ostrowski, S. A, Andrianavalona, T. H, & Ramihangihajason, T. N. (2017) New evidence indicates the presence of Barracuda (Sphyraenidae) and supports a tropical marine environment in the Miocene of Madagascar. *PLoS ONE* **12**, 1–9.

[77] ICZN. (1999) *International Code of Zoological Nomenclature.* (The International Trust for Zoological Nomenclature, London), 4th edition, pp. 1–306.

[78] Harlan, R. (1824) On a new fossil genus, of the order Enalio Sauri (of Conybeare): and on a new species of Ichthyosaurus. *Journal fo the Academy of Natural Sciences of Philadelphia* **3**, 331–338.

[79] Casier, E. (1944) Contributions à l'étude des Poissons fossiles de la Belgique. VI. Sur le Sphyraenodus de l'Eocene e sur la présence d'un Sphyraenidé dans le Bruxellien (Lutétien inférieur). *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **20**, 11–15.

[80] Woodward, A. S. (1891) *Catalogue of the Fossil Fishes in the British Museum (Natural History). Part II.* (Taylor & Francis, London), pp. 1–567.

[81] STRINGER, GARY L., Department of Ge. (2003) Paleoenvironmental Interpretations Based on Vertebrate Fossil Assemblages: An Example of their Utilization in the Gulf Coast. *AAPG Bulletin* **85**.

[82] Páramo-Fonseca, M. E. (1997) *Bachea huilensis* nov. gen., nov. sp., premier Tselfatioidei (Teleostei) de Colombie. *Comptes Rendus de l'Academie de Sciences - Serie IIa: Sciences de la Terre et des Planetes* **325**, 147–150.

[83] Chapman, F. (1935) Descriptions of fossil fish from New Zealand. *Transactions and Proceedings of the Royal Society of New Zealand* **64**, 117–121.

[84] de Sylva, D. P & Williams, F. (1986) in *Smiths' Sea Fishes*, eds. Smith, M. M & Heemstra, P. C. (Macmillan South Africa, Johannesburg), pp. 721–726.

[85] Ray, C. E & Bohaska, D. J. (2001) *Geology and Paleontology of the Lee Creek Mine, North Carolina, III* eds. Ray, C. E & Bohaska, D. J. (Washington DC) No. 90, Smithsonia edition, pp. 1–365.

[86] Patterson, C. (1993) An overview of the early fossil record of Acanthomorphs. *Bulletin of Marine Science* **52**, 29–59.

[87] Bardack, D & Sprinkle, G. (1969) Morphology and relationships of saurocephalid fishes. *Fieldiana Geology* **16**, 297–340.

[88] Monsch, K. A. (2005) Revision of the scombroid fishes from the Cenozoic of England. *Transactions of the Royal Society of Edinburgh: Earth Sciences* **95**, 445–489.

[89] Agassiz, L. (1833) *Recherches sur les Poissons Fossiles. Tome IV.* pp. 1–296.

[90] Moreno, F, Hendy, A. J. W, Quiroz, L, Hoyos, N, Jones, D. S, Zapata, V, Zapata, S, Ballen, G. A, Cadena, E, Cárdenas, A. L, Carrillo-Briceño, J. D, Carrillo, J. D, Delgado-Sierra, D, Escobar, J, Martínez, J. I, Martínez, C, Montes, C, Moreno, J, Pérez, N, Sánchez, R, Suárez, C, Vallejo-Pareja, M. C, & Jaramillo, C. A. (2015) Revised stratigraphy of Neogene strata in the Cocinetas Basin, La Guajira, Colombia. *Swiss Journal of Palaeontology* **134**, 5–43.

[91] Agassiz, L. (1833) Recherches sur les Poissons Fossiles. Tome I.

[92] Van der Laan, R. (2018) Family-group names of fossil fishes. *European Journal of Taxonomy* pp. 1–167.

[93] Meek, S. E & Newland, R. G. (1884) A review of the American species of the genus *Sphyraena*. *Proceedings of the Academy of Natural Sciences of Philadelphia* **36**, 67–75.

[94] Stringer, G. L, Breard, S. Q, & Kontrovitz, M. (2001) Biostratigraphy and Paleoecology of Diagnostic Invertebrates and Vertebrates from the Type Locality of the Oligocene Rosefiled Marl Beds, Louisiana. *Gulf Coast Association of Geological Societies Transactions* **LI**, 321–328.

[95] Cope, E. D. (1869) Synopsis of the Batrachia and Reptilia of North America. Part I. *Transactions of the American Philosophical Society* **14**, 1–252.

[96] Switchenska, A. A. (1968) in *Ocherki po Filogenii i Sistematike Iskopaemykh Ryb I Beschelyustnykh.* pp. 157–161.

[97] Agassiz, L. (1843) *Recherches sur les Poisson Fossiles. Tome V.* pp. 1–160.

[98] Viñola-López, L. W, Rojas-Consuegra, R, & Jiménez-Vásquez, O. (2017) Nuevos registros de *Sphyraena* (Perciformes: Sphyraenidae) para el Neógeno de Cuba y La Española. *Novitates Caribaea* **11**, 89–94.

[99] NCBI. (2018) *Entrez Programming Utilities Help.* (NCBI, Bethesta) No. Md.

[100] Taverne, L & Chanet, B. (2000) *Faugichthys loryi* n. gen., n. sp. (Teleostei, Ichthyodectiformes) de l'Albien terminal (Crétacé inférieur marin) du vallon de la Fauge (Isère, France) et considérations sur la phylogénie des Ichthyodectidae. *Geodiversitas* **22**, 23–34.

[101] Smith, J. L. B. (1956) The fishes of the family Sphyraenidae in the western Indian Ocean. *Ichthyological Bulletin of the Department of Ichthyology of Rhodes University* **3**, 37–46.

[102] Távora, V. d. A, dos Santos, A. A. R, & Araújo, R. N. (2010) Localidades fossilíferas da Formação Pirabas (Mioceno Inferior). *Boletim do Museu Paraense Emilio Goeldi Ciencias Naturais* **5**, 207–224.