Список литературы

- [1] Arratia G, González-Rodríguez KA, Hernández-Guerrero C. A new Pachyrhizodontid Fish (Actinopterygii, Teleostei) from the Muhi Quarry (Albian-Cenomanian), Hidalgo, Mexico. Fossil Record. 2018;21(1):93–107.
- [2] Agassiz L. Recherches sur les Poissons Fossiles. Tome II. 1833.
- [3] Doiuchi R, Nakabo T. The *Sphyraena obtusata* group (Perciformes: Sphyraenidae) with a description of a new species from southern Japan. *Ichthyological Research*. 2005;52:132–151.
- [4] Mainwaring AJ. Anatomical and Systematic review of the Pachycormidae, a family of Mesozoic fossil fishes. 1978;p. 162.
- [5] Sánchez-Villagra MR, Asher RJ, Rincón AD, Carlini AA, Meylan PA, Purdy RW. New faunal reports for the cerro La Cruz locality (Lower Miocene), north-eastern Venezuela. Special Papers in Palaeontology. 2004;71:105–112.
- [6] Betancur-R R, Wiley EO, Arratia G, Acero A, Bailly N, Miya M, Lecointre G, Ortí G. Phylogenetic classification of bony fishes. *BMC Evolutionary Biology*. 2017;17(162):1–40.
- [7] Fowler HW. New and little known Mugilidae and Sphyraenidae. Proceedings of the Academy of Natural Sciences of Philadelphia. 1903;55(1903):743–752.
- [8] Brzobohatý R, Nolf D. 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. 2011;81:279–295.
- [9] Cope ED. Synopsis of the Vertebrata of the Miocene of Cumberland County, New Jersey. *Proceedings of the American Philosophical Society*. 1875;14(94):361–364.
- [10] Bryant JD. New early Barstovian (Middle Miocene) vertebrates from the upper Torreya Formation, Eastern Florida Panhandle. *Journal of Vertebrate Paleontology*. 1991;11(4):472–489.
- [11] Okonechnikov K, Golosova O, Fursov M, Varlamov A, Vaskin Y, Efremov I, German Grehov OG, Kandrov D, Rasputin K, Syabro M, Tleukenov T. Unipro UGENE: A unified bioinformatics toolkit. *Bioinformatics*. 2012;28:1166–1167.
- [12] Arambourg C. Les poissons oligocènes de l'Iran. Notes et Mémoires sur le Moyen-Orient. 1966; 3:1–210.
- [13] Amalfitano J, Giusberti L, Fornaciari E, Carnevale G. A reappraisal of the Italian record of the cretaceous Pachycormid Fish Protosphyraena Leidy, 1857. Rivista Italiana di Paleontologia e Stratigrafia. 2017;123(3):475–485.
- [14] Dollo L, Storms R. Sur les Téléostéens du Rupélien. Zoologischer Anzeiger. 1888;11:265–267.
- [15] Ronquist F, Teslenko M, Van Der Mark P, Ayres DL, Darling A, Höhna S, Larget B, Liu L, Suchard MA, Huelsenbeck JP. MrBayes 3.2: Efficient bayesian phylogenetic inference and model choice across a large model space. Systematic Biology. 2012;61(3):539–542.
- [16] R Core Development Team. R: A language and environment for statistical computing. 2017. URL http://www.r-project.org/
- [17] Bannikov AF. Iskopaemye pozvonochnye Rossii i sopredel'nykh stran. Iskopaemye kolyucheperye ryby (Teleostei, Acanthopterigii). Moscow: GEOS. 2010.
- [18] Leidy J. 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. 1856;8:220–221.
- [19] Weiler WvW. Neue Untersuchungen an Mitteloligozänen Fischen Ungarns. Geologica Hungarica Series Palaeontologica. 1938;15(1-30).

- [20] Bone DA, Todd JA, Tracey S. Fossils from the Bracklesham Group exposed in the M27 Motorway excavations, Southampton, Hampshire. *Tertiary Research*. 1991;12(3-4):131–137.
- [21] FAO-FIGIS. Trachurus trachurus. In: A World Overview of Species of Interest to Fisheries, pp. 1–3. Rome: FAO. 2005;.
- [22] Rana RS. Palaeontology and palaeoecology of the intertrappean (Cretaceous-Tertiary transition) beds of the Peninsular India. *Journal of the Palaeontological Society of India*. 1990;35:105–120.
- [23] Leidy J. Indications of twelve species of fossil Fishes. Proceedings of the Academy of Natural Sciencies of Philadelphia. 1855;7:395–397.
- [24] Grubich JR, Rice AN, Westneat MW. Functional morphology of bite mechanics in the Great Barracuda (*Sphyraena barracuda*). *Zoology*. 2008;111(1):16–29. URL http://www.ncbi.nlm.nih.gov/pubmed/18082386
- [25] Bardack D. Anatomy and evolution of Chirocentrid fishes. University of Kansas Paleontological Contributions. 1969;10:1–86.
- [26] Casier E. La faune ichthyologique de l'Yprésien de la Belgique. Mémoires du Musée Royal d'Histoire Naturelle de Belgique. 1946;104:1–267.
- [27] Mateus O, Callapez PM, Polcyn MJ, Schulp AS, Gonçalves AO, Jacobs LL. The Fossil Record of Biodiversity in Angola Through Time: A Paleontological Perspective. *Biodiversity of Angola*. 2019;pp. 53-76. URL http://link.springer.com/10.1007/978-3-030-03083-4{_}}4
- [28] Friedman M, Carnevale G. The Bolca Lagerstätten: shallow marine life in the Eocene. Journal of the Geological Society. 2018;175(4):569–579.
- [29] Monsch KA. The Phylogeny of the Scombroid Fishes. Ph.D. thesis. 2000.
- [30] Bannikov AF. 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*. 2008;9:65–76.
- [31] Nelson JS, Grande T, Wilson MVH. Fishes of the World. New Jersey: John Wiley & Sons, 5th ed. 2016.
- [32] Pastore MA. 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. 2009;89(6):1299–1303.
- [33] Forey PL. The osteology of *Notelops* Woodward, *Rhacolepis* Agassiz and *Pachyrhizodus* Dixon (Pisces: Teleostei). *Bulletin of the British Museum (Natural History)*. 1977;28(2):123–204.
- [34] Mas G. 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. 2000;43:39-61.
- [35] Nolf D. Handbook of Paleoichthyology. Otolithi Piscium. Gustav Fischer Verlag. 1985.
- [36] Hays I. 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. 1830;3:471–477.
- [37] Carrillo-Briceño JD, Reyes-Cespedes AE, Salas-Gismondi R, Sánchez R. A new vertebrate continental assemblage from the Tortonian of Venezuela. Swiss Journal of Palaeontology. 2018; 0123456789.
- [38] Fricke R, Kulbick M, Wantiez L. Checklist of the fishes of New Caledonia, and their distribution in the Southwest Pacific Ocean (Pisces). Stuttgarter Beiträge zur Naturkunde A, New Series. 2011;4:341–463.

- [39] Woodward AS. Catalogue of the Fossil Fishes in the British Museum (Natural History). Part III. London: Taylor & Francis. 1895.
- [40] Artedi P. Petri Artedi Angermannia-Sueci synonymia nominum piscium fere omnium;... Ichthyologiae pars IV. Editio II. Grypeswaldiae. 1793.
- [41] Fricke R, Eschmeyer WN, van der Laan R. Eschmeyer's catalog of Fishes: Genera, species, references. 2019.
 URL http://researcharchive.calacademy.org/research/ichthyology/catalog/fishcatmain.asp
- [42] Fanti F, Minelli D, Conte GL, Miyashita T. An exceptionally preserved Eocene Shark and the rise of modern predator-prey interactions in the coral reef food web. Zoological Letters. 2016; 2:2-18. URL http://dx.doi.org/10.1186/s40851-016-0045-4
- [43] de Sylva DP. Systematics and life history of the great barracuda Sphyraena barracuda (Walbaum). Studies in Tropical Oceanography. 1963;1:1–179.
- [44] Dames FTW. Über eine tertiäre Wirbelthier-fauna von der westlichen Insel Birket-el-Qurun im Fajum (Aegypten). Sitzungsber d kgl pr Akad d Wiss zu Berlin. 1883;6:129–135.
- [45] Páramo-Fonseca ME. Los peces de la familia Pachyrhizodontidae (Teleostei) del Turoniano del Valle Superior del Magdalena. *Bolteín Geológico Ingeominas*. 2001;39:47–83.
- [46] Whitley GP. New sharks and fishes from Western Australia. Part 3. Australian Zoologist. 1947; 11(2):129–150.
- [47] Deméré TA, Roeder MA, Chandler RM, Minch JA. Paleontology of the middle Miocene Los Indios Member of the Rosarito Formation, northwestern Baja California, Mexico. In: Miocene and Cretaceous Depositional Environments, Northwestern Baja California, Mexico, edited by Minch JA, Ashby JR, pp. 47–56. Baja California: Pacific Section AAPG. 1984;.
- [48] Bourque JR. Fossil Kinosternidae from the Oligocene and Miocene of Florida, USA. In: *Morphology and Evolution of Turtles*, pp. 459–475. Dodrecht: Springer Sciences+Business Media. 2013;.
- [49] Santini F, Carnevale G, Sorenson L. First timetree of Sphyraenidae (Percomorpha) reveals a Middle Eocene crown age and an Oligo-Miocene radiation of Barracudas. *Italian Journal of Zoology*. 2015;82(1):133-142. URL http://dx.doi.org/10.1080/11250003.2014.962630
- [50] Darriba D, Taboada GL, Doallo R, Posada D. jModelTest 2: more models, new heuristics and parallel computing. Nature Methods. 2012;9(8):772-772.
 URL http://www.nature.com/doifinder/10.1038/nmeth.2109
- [51] Rapp WF. Check list of the fossil fishes of New Jersey. Journal of Paleontology. 1946;20(5):510–513.
- [52] Marsili S, Carnevale G, Danese E, Bianucci G, Landini W. Early Miocene vertebrates from Montagna della Maiella, Italy. Annales de Paléontologie. 2007;93(1):27-66. URL http://linkinghub.elsevier.com/retrieve/pii/S075339690700002X
- [53] Casier E. 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. 1944;20(23):1–8.
- [54] Huyghebaert B, Nolf D. on fish-otoliths, published since 1968. Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie. 1979;16(4):139–170.

- [55] Bemis WE, Giuliano A, McGuire B. Structure, attachment, replacement and growth of teeth in bluefish, *Pomatomus saltatrix* (Linnaeus, 1766), a teleost with deeply socketed teeth. *Zoology*. 2005;108(4):317–327.
- [56] Nakamura I. FAO Species Catalogue. Volume 5. Billifishes of the World, vol. 5. Rome: FAO. 1985.
- [57] Newton ET. On the remains of *Hypsodon*, *Portheus*, and *Ichthyodectes* from British Cretaceous strata, with descriptions of new species. *Quarterly Journal of the Geological Society*. 1877;33(1-4):505–523.
- [58] Bassani F. Ricerche sui pesci fossili di Chiavon (Strati di Sotzka Miocene Inferiore). Atti della Reale Accademia delle Scienze Fisiche e Matematiche. 1889;3(2):1–100.
- [59] Woodward AS. Catalogue of the Fossil Fishes in the British Museum (Natural History). Part IV. London: Taylor & Francis. 1901.
- [60] Leidy J. Description of vertebrate remains chiefly from the phosphate beds of South Carolina. Journal of the Academy of Natural Sciences. 1877;8(3):209–261.
- [61] White EI. Eocene Fishes from Nigeria. Bulletin of the Geological Survey of Nigeria. 1926;10:1–82.
- [62] Hendy AJW, Jones DS, Moreno F, Zapata V, Jaramillo CA. Neogene molluscs, shallow marine paleoenvironments, and chronostratigraphy of the Guajira Peninsula, Colombia. Swiss Journal of Palaeontology. 2015;pp. 1–31. URL http://link.springer.com/10.1007/s13358-015-0074-1
- [63] Katoh K, Standley DM. MAFFT multiple sequence alignment software version 7: Improvements in performance and usability. *Molecular Biology and Evolution*. 2013;30(4):772–780.
- [64] Nolf D. Deuxième note sur les Téléostéens des sabens de Lede (Éocène Belge). Bulletin de la Societe Belge de Geologie, Paleontologie et Hydrologie. 1972;81(1-2):95–109.
- [65] Senou H. Sphyraenidae. In: The Living Marine Resources of the Western Central Pacific. Volume 6, edited by Carpenter KE, Niem VH, pp. 3685–3697. Rome: FAO. 2001;.
- [66] Gillette DD. A marine ichthyofauna from the Miocene of Panama, and the Tertiary Caribbean Faunal Province. *Journal of Vertebrate Paleontology*. 1984;4(2):172–186.
- [67] Woodward AS. Catalogue of the Fossil Fishes in the British Museum (Natural History). Part I. London: Taylor & Francis. 1889.
- [68] Agassiz L. Nomina Systematica Generum Piscium, tam Viventum Quam Fossilum. 1846.
- [69] Agassiz L. Recherches sur les Poisson Fossiles. Tome III. 1833.
- [70] Ray CE, Wetmore A, Dunkle DH, Drez P. Fossil vertebrates from the marine Pleistocene of southeastern Virginia. *Smithsonian Miscellaneous Collections*. 1968;153(3):1–25.
- [71] Quillévéré F, Koskeridou E, Cornée JJ, Moissette P, Girone A, Agiadi K. Pleistocene marine fish invasions and paleoenvironmental reconstructions in the eastern Mediterranean. *Quaternary Science Reviews*. 2018;196:80–99.
- [72] Schultz O, Brzobohatý R, Kroupa O. Fish teeth from the Middle Miocene of Kienberg at Mikulov, Czech Republic, Vienna Basin. Annalen des Naturhistorischen Museums in Wien, Serie A. 2010; 112:489–506.
- [73] Díaz-Franco S, Rojas-Consuegra R. Dientes fósiles de *Sphyraena* (Perciformes: Sphyraenidae) en el Terciario de Cuba Occidental. *Solenodon*. 2009;8:124–129.
- [74] Böhm J. Ueher tertiâre Versteinerungen von den hogenfelser Diamantfeldern. In: *Die Diamantenwüste Sudwestafrikasfrikas. Vol II*, edited by Kaiser E, pp. 55–87. Berlin. 1926;

- [75] Westgate JW. Lower vertebrates from the late Eocene Crow Creek local fauna, St. Francis County, Arkansas. *Journal of Vertebrate Paleontology*. 1984;4(4):536–546.
- [76] Gottfried MD, Samonds KE, Ostrowski SA, Andrianavalona TH, Ramihangihajason TN. New evidence indicates the presence of Barracuda (Sphyraenidae) and supports a tropical marine environment in the Miocene of Madagascar. *PLoS ONE*. 2017;12(5):1–9.
- [77] ICZN. International Code of Zoological Nomenclature. London: The International Trust for Zoological Nomenclature, 4th ed. 1999.
- [78] Harlan R. 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*. 1824;3:331–338.
- [79] Casier E. 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. 1944;20(11):11–15.
- [80] Woodward AS. Catalogue of the Fossil Fishes in the British Museum (Natural History). Part II. London: Taylor & Francis. 1891.
- [81] STRINGER, GARY L, Department of Ge. Paleoenvironmental Interpretations Based on Vertebrate Fossil Assemblages: An Example of their Utilization in the Gulf Coast. AAPG Bulletin. 2003;85.
- [82] Páramo-Fonseca ME. 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. 1997;325(2):147–150.
- [83] Chapman F. Descriptions of fossil fish from New Zealand. Transactions and Proceedings of the Royal Society of New Zealand. 1935;64:117–121.
- [84] de Sylva DP, Williams F. Sphyraenidae. In: *Smiths' Sea Fishes*, edited by Smith MM, Heemstra PC, pp. 721–726. Johannesburg: Macmillan South Africa. 1986;.
- [85] Ray CE, Bohaska DJ. Geology and Paleontology of the Lee Creek Mine, North Carolina, III. 90. Washington DC, smithsonia ed. 2001. URL http://si-pddr.si.edu/dspace/handle/10088/2006
- [86] Patterson C. An overview of the early fossil record of Acanthomorphs. *Bulletin of Marine Science*. 1993;52(1):29–59.
- [87] Bardack D, Sprinkle G. Morphology and relationships of saurocephalid fishes. Fieldiana Geology. 1969;16:297–340.
- [88] Monsch KA. Revision of the scombroid fishes from the Cenozoic of England. *Transactions of the Royal Society of Edinburgh: Earth Sciences*. 2005;95(November 2016):445-489. URL http://www.journals.cambridge.org/abstract{_}}S0263593300001164
- [89] Agassiz L. Recherches sur les Poissons Fossiles. Tome IV. 1833.
- [90] Moreno F, Hendy AJW, Quiroz L, Hoyos N, Jones DS, Zapata V, Zapata S, Ballen GA, Cadena E, Cárdenas AL, Carrillo-Briceño JD, Carrillo JD, Delgado-Sierra D, Escobar J, Martínez JI, Martínez C, Montes C, Moreno J, Pérez N, Sánchez R, Suárez C, Vallejo-Pareja MC, Jaramillo CA. Revised stratigraphy of Neogene strata in the Cocinetas Basin, La Guajira, Colombia. Swiss Journal of Palaeontology. 2015;134:5–43.
- [91] Agassiz L. Recherches sur les Poissons Fossiles. Tome I. 1833.
- [92] Van der Laan R. Family-group names of fossil fishes. European Journal of Taxonomy. 2018; (466):1–167.
- [93] Meek SE, Newland RG. A review of the American species of the genus Sphyraena. Proceedings of the Academy of Natural Sciences of Philadelphia. 1884;36:67–75.

- [94] Stringer GL, Breard SQ, Kontrovitz M. 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. 2001;LI:321–328.
- [95] Cope ED. Synopsis of the Batrachia and Reptilia of North America. Part I. Transactions of the American Philosophical Society. 1869;14:1–252.
- [96] Switchenska AA. A new genus from the family Sphyraeniadae from the middle Miocene of Transcaucasia. In: Ocherki po Filogenii i Sistematike Iskopaemykh Ryb I Beschelyustnykh, pp. 157–161. 1968;.
- [97] Agassiz L. Recherches sur les Poisson Fossiles. Tome V. 1843.
- [98] Viñola-López LW, Rojas-Consuegra R, Jiménez-Vásquez O. Nuevos registros de *Sphyraena* (Perciformes: Sphyraenidae) para el Neógeno de Cuba y La Española. *Novitates Caribaea*. 2017; 11:89–94.
- [99] NCBI. Entrez Programming Utilities Help. Md. Bethesta: NCBI. 2018. URL http://www.ncbi.nlm.nih.gov/books/NBK25501/
- [100] Taverne L, Chanet B. 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. 2000;22(1):23–34.
- [101] Smith JLB. The fishes of the family Sphyraenidae in the western Indian Ocean. *Ichthyological Bulletin of the Department of Ichthyology of Rhodes University*. 1956;3:37–46.
- [102] Távora VdA, dos Santos AAR, Araújo RN. Localidades fossilíferas da Formação Pirabas (Mioceno Inferior). Boletim do Museu Paraense Emilio Goeldi Ciencias Naturais. 2010;5(2):207–224.