

Fish types deposited in the Department of Zoology, The University Museum, The University of Tokyo – Part 4: Lophiiformes, Beloniformes, Lampridiformes, Ateleopodiformes, Stephanoberyciformes, Beryciformes, Zeiformes, Gasterosteiformes, Mugiliformes, and the suborders Scorpaenoidei and Cottoidei of the order Perciformes

東京. 大学総合研究博物館動物部門収蔵の魚類タイプ標本—第 4 部: アンコウ目、ダツ目、アカマンボウ目、シャチブரி目、カンムリキンメダイ目、キンメダイ目、マトウダイ目、トゲウオ目、ボラ目及びスズキ目のカサゴ亜目、カジカ亜目

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Abstract

The current status of type specimens of Lophiiformes, Beloniformes, Lampridiformes, Ateleopodiformes, Stephanoberyciformes, Beryciformes, Zeiformes, Gasterosteiformes, Mugiliformes, and the suborders Scorpaenoidei and Cottoidei of the order Perciformes in the ZUMT collection were investigated with recourse to original descriptions, information tags on specimens, and/or the ZUMT specimen ledger. Of the 37 holotypes, 12 syntypes, 2 lectotypes, 115 paratypes and 9 paralectotypes purported to be in the collection and applicable to 55 species in 30 families, only 20 holotypes, 7 syntypes, 2 lectotypes, 98 paratypes and 9 paralectotypes have been located to date.

Introduction

The current designation and status of type specimens in the fish collection, preserved in the Department of Zoology, The University Museum, The University of Tokyo (ZUMT) collection is now under review. The present list is a summary of type specimens of Lophiiformes, Beloniformes, Lampridiformes, Ateleopodiformes, Stephanoberyciformes, Beryciformes, Zeiformes, Gasterosteiformes, Mugiliformes, and the suborders Scorpaenoidei and Cottoidei of the order Perciformes currently held.

本研究では、東京大学総合研究博物館動物学部門 (ZUMT) に収蔵されるタイプ標本の現状について整理するとともに、タイプ指定に関する議論も行なった。本リストは、ZUMT に含まれるタイプ標本のうちアンコウ目、ダツ目、アカマンボウ目、シャチブரி目、カンムリキンメダイ目、キンメダイ目、マトウダイ目、トゲウオ目、ボラ目およびスズキ目のカサゴ亜目とカジカ亜目魚類についてまとめたものである。

Materials and Methods

The first author confirmed that the type specimen is in the Department of Zoology, University of Tokyo Museum (ZUMT). We report on Lophiiformes, Beloniformes, Lampridiformes, Ateleopodiformes, Stephanoberyciformes, Beryciformes, Zeiformes, Gasterosteiformes, Mugiliformes, and the suborders Scorpaenoidei and Cottoidei of the order Perciformes of fishes. Specimens marked as "available" in this type list are kept in room 407 of the museum. The ZUMT collection also includes a variety of personal specimens acquired by the late De. Tokiharu Abe, such being identifiable in the first instance by an underlined number on the specimen tag. These specimens from the Abe collection are not registered in ZUMT. The specimen will be

managed as ZUMT ABE○○○○ in the ZUMT collection.

The systematic arrangement of families generally follows Nelson (2006), with species arranged in alphabetical order by species name. The present list includes all the available information pertinent to the ZUMT specimens, including those taken from the ZUMT specimen ledger and/or tags on the specimens.

Information from original description: scientific name, publication, Japanese name in the original description.

Current status on types: available or lost.

Information on type specimens: ZUMT catalog number (number of specimens when more than two), field number or previous catalog number if available, sex, preservation status (stuffed or skin only indicated), collection locality, collection date, collector or donator, collection method, typographical error.

Remarks: Authority for determining type status, correction of previously published erroneous information, and newly determined information from specimen registers and tags.

Current status of species: synonyms, current scientific name and standard Japanese name.

Reference: publications cited in remarks or basis for current status. Listed for each species.

第一著者により、東京大学総合研究博物館動物学部門 (ZUMT) に所蔵するアンコウ目、ダツ目、アカマンボウ目、シャチブリ目、カンムリキンメダイ目、キンメダイ目、マトウダイ目、トゲウオ目、ボラ目およびスズキ目のカサゴ亜目とカジカ亜目魚類のタイプ標本が確認された。本タイプリストにおいて「available」と示した標本は博物館の 407 号室に保管されている。ZUMT コレクションには、故阿部宗明博士の個人標本が混在しており、これらは基本的に標本タグに書かれた番号に下線が付されていることで識別可能である。これら阿部氏の標本は、ZUMT コレクションに登録されていない。標本は ZUMT ABE○○○○と扱い ZUMT コレクションとして、管理されている。

科の体系的な順番は、主に Nelson (2006) に従い、種については学名のアルファベット順に示した。本リストでは、ZUMT 標本に基づき(あるいは基づいたと想定される)記載されたアンコウ目、ダツ目、アカマンボウ目、シャチブリ目、カンムリキンメダイ目、キンメダイ目、マトウダイ目、トゲウオ目、ボラ目およびスズキ目のカサゴ亜目とカジカ亜目魚類に関する以下の情報を可能な限り示した。また ZUMT 標本台帳や標本のタグから読み取れる情報についても含めた。

原記載の情報: 学名、記載された出版物、記載時に与えられた和名。

タイプ標本の確認状況: 確認または未確認。

タイプ標本の情報: ZUMT 番号(複数の場合は標本数)、フィールド番号または寄贈前の他機関登録番号、性別、保存の状態(剥製または皮膚のみの場合に記載)、採集場所、採集年月日、採集者または寄贈者、採集方法など。標本台帳から読み取れる新たな情報についても可能な限り記した。

備考: 該当標本をタイプと判断した根拠、ZUMT のタイプ標本が誤って引用された情報、本研究で新たに確認された標本台帳やタグに関する情報、入力ミスなどについて必要に応じて記した。

種の現状: シノニム関係および適用されている学名と標準和名。

引用文献: 備考または現状の根拠として引用された出版物や報告論文を種ごとに示した。

Type specimens of Lophiiformes, Beloniformes, Lampridiformes, Ateleopodiformes, Stephanobercyiformes, Bercyiformes, Zeiformes, Gasterosteiformes, Mugiliformes, and the suborders Scorpaenoidei and Cottoidei of the order Perciformes in ZUMT

Based on the original descriptions, tags on the specimens, and the ZUMT specimen ledger, type specimens of 55 species of Lophiiformes, Beloniformes, Lampridiformes, Ateleopodiformes, Stephanobercyiformes, Bercyiformes, Zeiformes, Gasterosteiformes, Mugiliformes, and the suborders Scorpaenoidei and Cottoidei of the order Perciformes in 30 families, including 37 holotypes, 12 syntypes, 2 lectotypes, 116 paratypes, and 9 paralectotypes, were purported to be in the ZUMT collection. 20 holotypes, 7 syntypes, 2 lectotypes, 99 paratypes, and 9 paralectotypes, have been confirmed as “available” to date.

原記載、標本のタグおよび ZUMT 台帳の情報などから ZUMT コレクションに所蔵されるアンコウ目、ダツ目、アカマンボウ目、シャチブリ目、カンムリキンメダイ目、キンメダイ目、マトウダイ目、トゲウオ目、ボラ目およびスズキ目のカサゴ亜目とカジカ亜目魚類標本には 30 科 55 種タイプ標本が登録(あるいは未登録)されていることが明らかになった。その内訳はホロタイプ 37 標本、シンタイプ 12 標本、レクトタイプ 2 標本、パラタイプ 115 標本、パラレクトタイプ 9 標本である。本研究において、これらのうち現在 ZUMT に所在することが確認できたものはホロタイプ 20 標本、シンタイプ 7 標本、レクトタイプ 2 標本、パラタイプ 98 標本、パラレクトタイプ 9 標本である。

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We are deeply grateful to the late Y. Tominaga for his dedication and efforts to the ZUMT collection. We are also grateful to I. Abe, S. Fujiwara, A. Iinuma, M. Saito, A. Takahashi (Tokyo University of Marine Science and Technology), M. Fukutani, S. Ito (University of Tokyo), and H. Ogata (ZUMT) for curatorial assistance.

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ZUMT コレクションに多大な貢献をされた故富永義昭氏に深く感謝する。また、東京海洋大学の阿部伊央太氏、藤原咲紀氏、飯沼 藍氏、齋藤 舞氏、高橋あゆみ氏、東京大学の深谷真央氏、伊藤想也氏およびボランティアの尾形比呂哉氏には標本の管理にご助力いただいた。

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Lophiiformes アンコウ目

Lophiidae アンコウ科

Lophiodes fimbriatus Saruwatari & Mochizuki, 1985 ミノアンコウ

Original description: Saruwatari and Mochizuki (1985): 299, fig. 2A.

Saruwatari, T. and Mochizuki, K. 1985. A new lophiid anglerfish, *Lophiodes fimbriatus* from the coastal waters of Japan. Japanese Journal of Ichthyology, 32 (3): 299–304.

Holotype (available): ZUMT 44066, Wakayama Pref., Japan.

Current status: Valid as *Lophiodes fimbriatus* Saruwatari & Mochizuki, 1985 ミノアンコウ

山田梅芳・田川 勝・岸田周三・本城康至. 1986. 東シナ海・黄海のさかな. 西海区水産研究所, 長崎. xxvi + 502 pp. [Yamada, U., Tagawa, M., Kishida, S. and Honjo, K. 1986. Fishes of the East China Sea and the Yellow Sea. Seikai Regional Fisheries Research Laboratory, Nagasaki. xxvi + 502 pp. (In Japanese)]

Shinohara, G., Sato, T., Aonuma, Y., Horikawa, H., Matsuura, K., Nakabo, T. and Sato, K. 2005. Annotated checklist of deep-sea fishes from the waters around the Ryukyu Islands, Japan. Deep-sea fauna and pollutants in the Nansei Islands. Monographs of the National Science Museum, Tokyo, 29: 385–452.

中坊徹次 (編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

松沼瑞樹・野村玲偉・甲斐嘉晃. 2022. 日本産アンコウ科ヒメアンコウ属魚類の標準和名と分類形質. Ichthy, Natural History of Fishes of Japan, 21: 47–74. [Matsunuma, M., Nomura, R. and Kai, Y. 2022. Notes on standard Japanese names and diagnostic characters of species of *Lophiodes* (Lophiiformes: Lophiidae) from Japan. Ichthy, Natural History of Fishes of Japan, 21: 47–74. (In Japanese with English abstract)]

Lophiomus laticephalus Tanaka, 1918 コオトオアンコオ

Original description: Tanaka (1918): 227.

田中茂穂. 1918. 日本産魚類の十二新種. 動物学雑誌, 30 (356): 223–227. [Tanaka, S. 1918. Twelve new species of Japanese fishes. Zoological Magazine Tokyo, 30 (356): 223–227. (In Japanese)]

Syntypes (available): ZUMT 8337 (1), ZUMT 8510 (1), Tanabe, Wakayama Pref., Japan; collected by Nuizo Ui. (紀伊國田邊[和歌山県田辺市]宇井縫蔵採集)

Remarks: There is no holotype designation in the original description. ZUMT 8337 and ZUMT 8510 are specimens whose scientific names and collection data match from the records in the ZUMT specimen ledger. These specimens are syntypes (ICZN Art. 72.1.1, 72.4.1.1). In ZUMT 8510 of the ZUMT specimen ledger, "same as 08337" was written. The ZUMT 8337 also has a cloth tag that says "Sketch No. 394".

原記載にはホロタイプの指定がない。ZUMT 8337 と ZUMT 8510 は、ZUMT 標本台帳の記録から学名と採集データが一致した標本である。これらの標本はシントタイプである(ICZN Art. 72.1.1, 72.4.1.1)。ZUMT 標本台帳の ZUMT 8510 には、「08337 と同じ」と書き込まれていた。ZUMT 8337 は、「写生番号 394 号」と書かれた布タグが付いている。

Current status: Synonym of *Lophius litulon* (Jordan, 1902) キアンコウ

Caruso, J. H. 1983. The systematics and distribution of the lophiid anglerfishes: II. Revisions of the genera *Lophiomus* and *Lophius*. Copeia, 1983 (1): 11–30.

山田梅芳・田川 勝・岸田周三・本城康至. 1986. 東シナ海・黄海のさかな. 西海区水産研究所, 長崎. xxvi + 502 pp. [Yamada, U., Tagawa, M., Kishida, S. and Honjo, K. 1986. Fishes of the East China Sea and the Yellow Sea. Seikai Regional Fisheries Research Laboratory, Nagasaki. xxvi + 502 pp. (In Japanese)]

尼岡邦夫・仲谷一宏・矢部 衛. 2011. 北海道の全魚類図鑑. 北海道新聞社, 札幌. 482 pp. [Amaoka, K., Nakaya, K. and Yabe, M. 1995. Fishes of Hokkaido. The Hokkaido Shimbun Press, Sapporo. 482 pp. (In Japanese)]

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Lophiomus longicephalus Tanaka, 1918 チョオトウアンコオ

Original description: Tanaka (1918): 227.

田中茂穂. 1918. 日本産魚類の十二新種. 動物学雑誌, 30 (356): 223–227. [Tanaka, S. 1918. Twelve new species of Japanese fishes. Zoological Magazine Tokyo, 30 (356): 223–227. (In Japanese)]

Syntype (available): ZUMT 8533 (1), Tanabe, Wakayama Pref., Japan; collected by Nuizo Ui. (紀伊國田邊[和歌山県田辺市]宇井縫蔵採集)

Syntypes (lost): ZUMT 8338 (1), ZUMT 8534 (1), Tanabe, Wakayama Pref., Japan; collected by Nuizo Ui. (紀伊國田邊[和歌山県田辺市]宇井縫蔵採集)

Remarks: There is no holotype designation in the original description. 3 specimens, ZUMT 8338, ZUMT 8533 and ZUMT 8534 are specimens whose scientific names and collection data match from the records in the ZUMT specimen ledger. These specimens are syntypes (ICZN Art. 72.1.1, 72.4.1.1).

記載にはホロタイプの指定がない。3 標本 ZUMT 8338, ZUMT 8533 と ZUMT 8534 は、ZUMT 標本台帳の記録から学名と採集データが一致した標本である。これらの標本はシントタイプである (ICZN Art. 72.1.1, 72.4.1.1)。

Current status: Synonym of *Lophiomus setigerus* (Vahl, 1797) アンコウ

Caruso, J. H. 1983. The systematics and distribution of the lophiid anglerfishes: II. Revisions of the genera *Lophiomus* and *Lophius*. Copeia, 1983 (1): 11–30.

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

- 山田梅芳・田川 勝・岸田周三・本城康至. 1986. 東シナ海・黄海のさかな. 西海区水産研究所, 長崎. xxvi + 502 pp. [Yamada, U., Tagawa, M., Kishida, S. and Honjo, K. 1986. Fishes of the East China Sea and the Yellow Sea. Seikai Regional Fisheries Research Laboratory, Nagasaki. xxvi + 502 pp. (In Japanese)]
- 中坊徹次・町田吉彦・山岡耕作・西田清徳(編). 2001. 以布利 黒潮の魚. 大阪海遊館, 大阪. 300 pp. [Nakabo, T., Machida, Y., Yamaoka, K. and Nishida, K. (eds). 2001. Fishes of the Kuroshio Current, Japan. Osaka Aquarium KAIYUKAN, Osaka. 300pp. (In Japanese and English)]
- 尼岡邦夫・仲谷一宏・矢部 衛. 2011. 北海道の全魚類図鑑. 北海道新聞社, 札幌. 482 pp. [Amaoka, K., Nakaya, K. and Yabe, M. 1995. Fishes of Hokkaido. The Hokkaido Shimbun Press, Sapporo. 482 pp. (In Japanese)]
- 中坊徹次(編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]
- Psomadakis, P., Thein, H., Russell, B. C. and Tun, M. T. 2020. Field identification guide to the living marine resources of Myanmar. FAO species identification guide for fishery purposes. Food and Agriculture Organization of the United Nations, and Department of Fisheries, Ministry of Agriculture, Livestock and Irrigation, Republic of the Union of Myanmar, Rome. xvii + 694 pp., pls. 58.

Antennariidae カエルアンコウ科

Antennarius lateralis Tanaka, 1917 オオモンイザリウオ

Original description: Tanaka (1917): 200.

田中茂穂. 1917. 日本産魚類の六新種. 動物学雑誌, 29 (345): 198–201. [Tanaka, S. 1917. Six new species of Japanese fishes. Zoological Magazine Tokyo, 29 (345): 198–201. (In Japanese)]

Holotype (lost): ZUMT 12325, Tanabe, Wakayama Pref., Japan; collected by Nuizo Ui. (紀伊國田邊[和歌山県田辺市]宇井縫蔵採集)

Remarks: There is no holotype designation in the description. Tanaka (1918) re-described and illustrated the holotype in the Figures and descriptions of the fishes of Japan (27–28: 494–479, pl. 135, fig. 378). However, there was no type-specific information such as registration number. ZUMT 12325 is the only specimen whose scientific name and collection data match from the records in the ZUMT specimen ledger. This specimen ZUMT 12325 is the holotype (ICZN Art. 73.1.2). Unfortunately, however, the specimen has not been located at this time, and was judged to have been lost.

記載にはホロタイプ指定がない。田中(1918)の日本産魚類図説(27–28: 494–479, pl. 135, fig. 378)は、ホロタイプを再記載し図示した。しかし、登録番号などタイプを特定する情報はなかった。ZUMT 12325 は、ZUMT 標本台帳の記録から学名と採集データが原記載に一致した唯一の標本である。この標本 ZUMT 12325 がホロタイプである(ICZN Art. 73.1.2)。ただし残念ながら、現時点でこの標本は確認できないため、失われたと判断した。

Current status: Synonym of *Antennarius commerson*

(Lacepède, 1798) オオモンカエルアンコウ

田中茂穂. 1918. 日本産魚類図説, 27: 475–494, pls. 131–135. [Tanaka, S. 1918. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 27: 475–494, pls. 131–135. (In Japanese and English)]

田中茂穂. 1918. 日本産魚類図説, 28: 495–514, pls. 136–137. [Tanaka, S. 1918. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 28: 495–514, pls. 136–137. (In Japanese and English)]

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

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- Arnold, R. J. and Pietsch, T. W. 2012. Evolutionary history of frogfishes (Teleostei: Lophiiformes: Antennariidae): A molecular approach. *Molecular Phylogenetics and Evolution*, 62: 117–129.
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Antennarius sarasa Tanaka, 1916 サラサイザリウオ

Original description: Tanaka (1916):143.

田中茂穂. 1916. 日本産魚類の三新種. *動物学雑誌*, 28 (330): 141–144. [Tanaka, S. 1916. Three new species of Japanese fishes. *Zoological Magazine Tokyo*, 28 (330): 141–144. (In Japanese)]

Holotype (lost): ZUMT 7185, Tokyo Fish Market, Tokyo, Japan.

Remarks: There is no holotype designation in the description. Although it is stated that "three individuals were confirmed in the Tokyo Market", it is not a type series because it does not exist as a specimen (ICZN Art. 72.1.1). ZUMT 7185 is the only specimen whose scientific name and collection data match from the records in the ZUMT specimen ledger. ZUMT 7185 is holotype. Tanaka (1916) described and illustrated the holotype in the Figures and descriptions of the fishes of Japan (24: 432–435, pl. 119, fig. 346).

原記載にはホロタイプの指定がない。「東京市場にて 3 個体を確認した」と記載にあるが、標本として存在しないためタイプシリーズに含まれない(ICZN Art. 72.1.1)。ZUMT 7185 は、ZUMT 標本台帳の記録から学名と採集データが一致した唯一の標本である。この標本 ZUMT 7185 はホロタイプである(ICZN Art. 73.1.2)。田中(1916)は、日本産魚類図説(24: 432–435, pl. 119, fig. 346) にホロタイプを記載、図示した。

Current status: Synonym of *Fowlerichthys scriptissimus*

(Jordan, 1902) ソウシカエルアンコウ

- 田中茂穂. 1916. 日本産魚類図説, 24: 419–440, pls. 116–120. [Tanaka, S. 1916. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 24: 419–440, pls. 116–120. (In Japanese and English)]
- 益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]
- Pietsch, T. W. and Grobecker, D. B. 1987. Frogfishes of the world: Systematics, zoogeography, and behavioral ecology. Stanford University Press, Stanford. xxii + 420pp, pls. 1–56.
- Arnold, R. J. and Pietsch, T. W. 2012. Evolutionary history of frogfishes (Teleostei: Lophiiformes: Antennariidae): A molecular approach. *Molecular Phylogenetics and Evolution*, 62: 117–129.
- 中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Ogocephalidae アカゲツ科
Malthopsis annulifera Tanaka, 1908

Original description: Tanaka (1908): 44.

Tanaka, S. 1908. Descriptions of eight new species of fishes from Japan. *Annotationes Zoologicae Japonenses*, 7 (1): 27–47.

Holotype (available): ZUMT 1954[not 1754], off Misaki (Sagami Bay), Kanagawa Pref., Japan; 1908; collected by Kumakichi Aoki.

Remarks: The original description specified the holotype as ZUMT 1754. From the records in the ZUMT specimen ledger, ZUMT 1954 is the only specimen that matches the scientific name and collection data. The correct registration number for the holotype is ZUMT 1954.

原記載にはホロタイプをZUMT 1754に指定した。ZUMT 標本台帳の記録からZUMT 1754ではなく、ZUMT 1954 が学名と採集データに一致した唯一の標本である。ホロタイプの正しい登録番号は、ZUMT 1954 である。

Current status: Valid as *Malthopsis annulifera* Tanaka, 1908 ワヌケフウリュウウオ

岡村 収・北島忠弘(編). 1984. 沖縄舟状海盆及び周辺海域の魚類 I. 日本水産資源保護協会, 東京. 414 pp. [Okamura, O. and Kitajima, T. (eds). 1984. Fishes of the Okinawa Trough and the adjacent water I. Japan Fisheries Resource Conservation Association, Tokyo. 414 pp. (In Japanese and English; various authors)]

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

山田梅芳・田川 勝・岸田周三・本城康至. 1986. 東シナ海・黄海のさかな. 西海区水産研究所, 長崎. xxvi + 502 pp. [Yamada, U., Tagawa, M., Kishida, S. and Honjo, K. 1986. Fishes of the East China Sea and the Yellow Sea. Seikai Regional Fisheries Research Laboratory, Nagasaki. xxvi + 502 pp. (In Japanese)]

Ho, H.-C. and Shao, K.-T. 2010. A review of *Malthopsis jordani* Gilbert, 1905, with description of a new batfish from the Indo-Pacific Ocean (Lophiiformes: Ogocephalidae). *Bulletin of the National Museum of Nature and Science (Ser. A) Supplement*, 4: 9–19.

Ho, H.-C. 2020. Two new deep-water batfish of the genus *Malthopsis* from the Pacific Ocean (Lophiiformes: Ogocephalidae). *Raffles Bulletin of Zoology*, 68: 859–869.

Ho, H.-C. and Last, P. R. 2021. Review of the batfish genus *Malthopsis* from Australia (Lophiiformes: Ogocephalidae), with descriptions of five new species. *Bulletin of Marine Science*, 97 (1): 165–218.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Malthopsis gigas Ho & Shao, 2010

Original description: Ho and Shao (2010): 13, figs. 2B, 3B, D, 4B, C, 5.

Ho, H.-C. and Shao, K.-T. 2010. A review of *Malthopsis jordani* Gilbert, 1905, with description of a new batfish from the Indo-Pacific Ocean (Lophiiformes: Ogocephalidae). *Bulletin of the National Museum of Nature and Science (Ser. A) Supplement*, 4: 9–19.

Paratype (available): ZUMT 44910 (1), Suruga Bay, Fukude, Iwata City, Shizuoka Pref., Japan.

Paratype (available): ZUMT 54659 (1), off Kuno (Suruga Bay), Negoya, Suruga, Shizuoka City, Shizuoka Pref., Japan; 9 May 1983.

Current status: Valid as *Malthopsis gigas* Ho and Shao, 2010 コワヌケフウリュウウオ

- 岡村 収・北島忠弘(編). 1984. 沖縄舟状海盆及び周辺海域の魚類 I. 日本水産資源保護協会, 東京. 414 pp. [Okamura, O. and Kitajima, T. (eds). 1984. Fishes of the Okinawa Trough and the adjacent water I. Japan Fisheries Resource Conservation Association, Tokyo. 414 pp. (In Japanese and English; various authors)]
- 益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]
- Ho, H.-C. and Shao, K.-T. 2010. Redescription of *Malthopsis lutea* Alcock, 1891 and resurrection of *M. kobayashii* Tanaka, 1916 (Lophiiformes: Ogocephalidae). *Journal of the National Taiwan Museum*, 63 (3): 1–18.
- Ho, H.-C. 2013. Two new species of the batfish genus *Malthopsis* (Lophiiformes: Ogocephalidae) from the western Indian Ocean. *Zootaxa*, 3716 (2): 289–300.
- Ho, H.-C. 2020. Two new deep-water batfish of the genus *Malthopsis* from the Pacific Ocean (Lophiiformes: Ogocephalidae). *Raffles Bulletin of Zoology*, 68: 859–869.
- Ho, H.-C. and Last, P. R. 2021. Review of the batfish genus *Malthopsis* from Australia (Lophiiformes: Ogocephalidae), with descriptions of five new species. *Bulletin of Marine Science*, 97 (1): 165–218.
- 中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]
- Psomadakis, P., Thein, H., Russell, B. C. and Tun, M. T. 2020. Field identification guide to the living marine resources of Myanmar. FAO species identification guide for fishery purposes. Food and Agriculture Organization of the United Nations, and Department of Fisheries, Ministry of Agriculture, Livestock and Irrigation, Republic of the Union of Myanmar, Rome. xvii + 694 pp., pls. 58.

Malthopsis kobayashii Tanaka, 1916 イセフウリュウウオ

Original description: Tanaka (1916): 348.

田中茂穂. 1916. 日本産魚類の一新種. *動物学雑誌*, 28 (335): 348. [Tanaka, S. 1916. A new species of Japanese fish. *Zoological Magazine Tokyo*, 28 (335): 348. (In Japanese)]

Holotype (available): ZUMT 55048, probably Ise Bay, Mie Pref., Japan; collected by Mansaku Kobayashi. (おそらく伊勢湾産 小林萬作採集)

Remarks: There is no holotype designation in the original description, and there is no record of the corresponding specimen in the ZUMT specimen ledger. The specimen found in the ZUMT collection had a cloth tag with the words "Yokkaichi Daiichi Elementary School, Mansaku Kobayashi". This is the name of the collector in the original description. In addition, this specimen, which also matched the body size, is the holotype (ICZN Art. 73.1.2). Registered in ZUMT 55048 of the ZUMT collection.

原記載にはホロタイプ指定がなく、ZUMT 標本台帳に該当する標本の記録がない。ZUMT コレクションから発見された標本に、「四日市第一小学校、小林萬作」と書かれた布タグが付いていた。原記載にある採集者名である。さらに、体サイズも一致したこの標本は、ホロタイプである(ICZN Art. 73.1.2)。ZUMT コレクションの ZUMT 55048 に登録された。

Current status: Valid as *Malthopsis kobayashii* Tanaka, 1916 フウリュウウオ

- 岡村 収・北島忠弘(編). 1984. 沖縄舟状海盆及び周辺海域の魚類 I. 日本水産資源保護協会, 東京. 414 pp. [Okamura, O. and Kitajima, T. (eds). 1984. Fishes of the Okinawa Trough and the adjacent water I. Japan Fisheries Resource Conservation Association, Tokyo. 414 pp. (In Japanese and English; various authors)]
- 益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

- Ho, H.-C. and Shao, K.-T. 2010. Redescription of *Malthopsis lutea* Alcock, 1891 and resurrection of *M. kobayashii* Tanaka, 1916 (Lophiiformes: Ogcocephalidae). *Journal of the National Taiwan Museum*, 63 (3): 1–18.
- 中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. *Fishes of Japan with pictorial keys to the species I–III*, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]
- Ho, H.-C. and Koeda, K. 2019. A new *Malthopsis* batfish from Taiwan, with comments on *Malthopsis tiarella* Jordan, 1902 (Lophiiformes: Ogcocephalidae). *Zootaxa*, 4702 (1): 73–86.
- Ho, H.-C. 2020. Two new deep-water batfish of the genus *Malthopsis* from the Pacific Ocean (Lophiiformes: Ogcocephalidae). *Raffles Bulletin of Zoology*, 68: 859–869.
- Ho, H.-C. and Last, P. R. 2021. Review of the batfish genus *Malthopsis* from Australia (Lophiiformes: Ogcocephalidae), with descriptions of five new species. *Bulletin of Marine Science*, 97 (1): 165–218.

Himantolophidae チョウチンアンコウ科

Corynolophus globosus Tanaka, 1918 チョウチンアンコウ

Original description: Tanaka (1918): 529, pl. 139 (Fig. 388)

田中茂穂. 1918. 日本産魚類図説, 29: 515–538, pls. 138–139. [Tanaka, S. 1918. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 29: 515–538, pls. 138–139. (In Japanese and English)]

Holotype (lost): ZUMT 8460, off Misaki (Sagami Bay), Kanagawa Pref., Japan.

Remarks: The original description specified the holotype as ZUMT 8460. In the records of the ZUMT specimen ledger, there was no specimen other than ZUMT 8460 that matched the scientific name and collection data. Unfortunately, however, the specimen has not been located at this time, and was judged to have been lost.

原記載ではホロタイプに ZUMT 8460 を指定した。ZUMT 標本台帳の記録にも学名と収集データに一致する標本は ZUMT 8460 以外なかった。ただし残念ながら、現時点でこの標本は確認できないため、失われたと判断した。

Current status: Valid as *Himantolophus sagamius* (Tanaka, 1918) チョウチンアンコウ

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. *The fishes of the Japanese Archipelago*. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

Bertelsen, E. and Krefft, G. 1988. The ceratioid family Himantolophidae (Pisces, Lophiiformes). *Steenstrupia*, 14 (2): 9–89.

尼岡邦夫・仲谷一宏・矢部 衛. 2011. 北海道の全魚類図鑑. 北海道新聞社, 札幌. 482 pp. [Amaoka, K., Nakaya, K. and Yabe, M. 1995. *Fishes of Hokkaido*. The Hokkaido Shimbun Press, Sapporo. 482 pp. (In Japanese)]

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. *Fishes of Japan with pictorial keys to the species I–III*, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Tatsuta, N., Imamura, H., Nakaya, K., Kawai, T., Abe, T., Sakaoka, K., Takagi, S. and Yabe, M. 2014. Taxonomy of mesopelagic fishes collected around the Ogasawara Islands by the T/S Oshoro-Maru. *Memoirs of the Faculty of Fisheries Sciences, Hokkaido University*, 56 (1): 1–64.

Ho, H.-C., Kawai, T. and Amaoka, K. 2016. Records of deep-sea anglerfishes (Lophiiformes: Ceratioidei) from Indonesia, with descriptions of three new species. *Zootaxa*, 4121 (3): 267–294.

Corynolophus sagamius Tanaka, 1918 サガミチョウチンアンコウ

Original description: Tanaka (1918): 91, pl. 134 (Fig. 377)

田中茂穂. 1918. 日本産魚類図説, 29: 515–538, pls. 138–139. [Tanaka, S. 1918. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 29: 515–538, pls. 138–139. (In Japanese and English)]

Holotype (lost): ZUMT 8201, Sagami Bay, Kanagawa Pref., Japan.

Remarks: The original description specified ZUMT 8201 as the holotype. In the ZUMT specimen ledger, there was no specimen other than ZUMT 8201 that matched the scientific name and collection data. Unfortunately, however, the specimen has not been located at this time, and was judged to have been lost.

原記載はホロタイプに ZUMT 8201 を指定した。ZUMT 標本台帳にも学名と収集データに一致する標本は ZUMT 8201 以外なかった。現時点でこの標本は確認できないため、失われたと判断した。

Current status: Valid as *Himantolophus sagamius* (Tanaka, 1918) チョウチンアンコウ

田中茂穂. 1918. 日本産魚類図説, 27: 475–494, pls. 131–135. [Tanaka, S. 1918. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 27: 475–494, pls. 131–135. (In Japanese and English)]

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫 (編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

Bertelsen, E. and Krefft, G. 1988. The ceratioid family Himantolophidae (Pisces, Lophiiformes). *Steenstrupia*, 14 (2): 9–89.

Kharin, V. E. 2006. *Himantolophus sagamius* (Himantolophidae), a new fish species for fauna of Russia. *Journal of Ichthyology*, 46 (3): 274–275.

尼岡邦夫・仲谷一宏・矢部 衛. 2011. 北海道の全魚類図鑑. 北海道新聞社, 札幌. 482 pp. [Amaoka, K., Nakaya, K. and Yabe, M. 1995. Fishes of Hokkaido. The Hokkaido Shimbun Press, Sapporo. 482 pp. (In Japanese)]

中坊徹次 (編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. (Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Tatsuta, N., Imamura, H., Nakaya, K., Kawai, T., Abe, T., Sakaoka, K., Takagi, S. and Yabe, M. 2014. Taxonomy of mesopelagic fishes collected around the Ogasawara Islands by the T/S Oshoro-Maru. *Memoirs of the Faculty of Fisheries Sciences, Hokkaido University*, 56(1): 1–64.

Ho, H.-C., Kawai, T. and Amaoka, K. 2016. Records of deep-sea anglerfishes (Lophiiformes: Ceratioidei) from Indonesia, with descriptions of three new species. *Zootaxa*, 4121 (3): 267–294.

Oneirodidae ラクダアンコウ科
Bertella idiomorpha Pietsch, 1973

Original description: Pietsch (1973): 194, Figs. 1–6.

Pietsch, T. W. 1973. A new genus and species of deep-sea anglerfish (Pisces: Oneirodidae) from the northern Pacific Ocean. *Copeia*, 1973 (2): 193–199.

Paratype (available): ZUMT 52705 (1), 35°02'N, 139°18'E; bottom 1200–1400 m depth; 27 October 1966; collected with larvae net, 0–1000 m, 1300–1400 hr.

Remarks: The original specimen abbreviation ZIFSUT (Zoological Institute, Faculty of Science, University of Tokyo) is the same as ZUMT (Department of Zoology, the University Museum, the University of Tokyo).

原記載の標本略号 ZIFSUT (Zoological Institute, Faculty of Science, University of Tokyo)は、

ZUMT(Department of Zoology, the University Museum, the University of Tokyo)と同じである。

Current status: Valid as *Bertella idiomorpha* Pietsch, 1973 バーテルセンアンコウ

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

Prokofiev, A. M. 2014. New species and new records of deep sea anglerfish of the family Oneirodidae. *Journal of Ichthyology*, 54 (8):602–607.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Ceratiidae ミツクリエナガチョウチンアンコウ科
Mancalias sessilis Imai, 1941 エナシビワアンコウ

Original description: Imai (1941): 245, Figs. 12–13.

Imai, S. 1941. Seven new deep-sea fishes obtained in Sagami Sea and Suruga Bay. *Japanese Journal of Zoology*, 9 (2): 233–250.

Holotype (lost): ZUMT uncatalogued, Sagami Sea, east of Hashima; 14 November 1937; collected with 1 m vertical net with 1220 m wire.

Remarks: Although the original description did not specify holotype, it was described based on the only one individual. No specimens matching the original description could be found in the fish specimens of the Mitsui Institute for Marine Biology transferred to ZUMT. No specimens were found at this time, and it was determined that they were lost.

原記載にはホロタイプの指定がないが、1 個体のみに基づいて記載された。ZUMT に移管された三井海洋生物学研究所の魚類標本からは、原記載に一致する標本は発見できなかった。現時点では標本は発見されておらず、紛失したと判断された。

Current status: Synonym of *Ceratias uranoscopus* Murray, 1877 エナシビワアンコウ

Pietsch, T. W. 1986. Systematics and distribution of bathypelagic anglerfishes of the family Ceratiidae (order: Lophiiformes). *Copeia*, 1986 (2): 479–493.

Anderson, M. E. and Leslie, R. W. 2001. Review of the deep-sea anglerfishes (Lophiiformes: Ceratioidei) of southern Africa. *Ichthyological Bulletin of the J. L. B. Smith Institute of Ichthyology*, 70: 1–32.

尼岡邦夫・仲谷一宏・矢部 衛. 2011. 北海道の全魚類図鑑. 北海道新聞社, 札幌. 482 pp. [Amaoka, K., Nakaya, K. and Yabe, M. 1995. Fishes of Hokkaido. The Hokkaido Shimbun Press, Sapporo. 482 pp. (In Japanese)]

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Gigantactinidae シダアンコウ科
Gigantactis krefftii Bertelsen, Pietsch & Lavenberg, 1981

Original description: Bertelsen, Pietsch and Lavenberg (1981): 29, Figs. 4D, 27–29.

Bertelsen, E., Pietsch, T. W. and Lavenberg, R. J. 1981. Ceratioid anglerfishes of the family Gigantactinidae: morphology, systematics, and distribution. *Contributions in Science (Los Angeles)*, 332: 1–74.

Paratype (available): ZUMT 52706 (1, 44 mm SL.), Sagami Bay, Shizuoka Pref., Japan (35°06'N, 139°24'E); 1200–1400 m depth.

Remarks: The original specimen abbreviation ZIFSUT (Zoological Institute, Faculty of Science, University of Tokyo) is the same as ZUMT (Department of Zoology, the University Museum, the University of Tokyo).

原記載の標本略号 ZIFSUT(Zoological Institute, Faculty of Science, University of Tokyo)は、ZUMT(Department of Zoology, the University Museum, the University of Tokyo)と同じである。

Current status: Valid as *Gigantactis krefftii*

Bertelsen, Pietsch & Lavenberg, 1981 クレフトアンコウ

岡村 収・尼岡邦夫・三谷文夫(編). 1982. 九州一パラオ海嶺ならびに土佐湾の魚類. 日本水産資源保護協会, 東京. 436 pp. [Okamura, O., Amaoka, K. and Mitani, F. (eds). 1982. Fishes of the Kyushu-Palau Ridge and Tosa Bay. The intensive research of unexploited fishery resources on continental slopes. Japan Fisheries Resource Conservation Association, Tokyo. 436 pp. (In Japanese and English; various authors)]

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

Anderson, M. E. and Leslie, R. W. 2001. Review of the deep-sea anglerfishes (Lophiiformes: Ceratioidei) of southern Africa. Ichthyological Bulletin of the J. L. B. Smith Institute of Ichthyology, 70: 1–32.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Linophryidae オニアンコウ科

Linophryne densiramus Imai, 1941 オニアンコウ

Original description: Imai (1941): 247, figs. 14–17.

Imai, S. 1941. Seven new deep-sea fishes obtained in Sagami Sea and Suruga Bay. Japanese Journal of Zoology, 9 (2): 233–250.

Holotype (available): ZUMT 55032, Suruga Bay, Japan; 21 October 1940 (winter of 1939); collected by C/V Dainichi–Maru.

Remarks: The original description was given only for holotype. The specimen found in the fish specimens of the Mitsui Marine Biology Institute transferred to ZUMT matches the original figure (figs. 14–17) and body size. This specimen is holotype (ICZN Art. 73.1.2). Registered in ZUMT 55032 of the ZUMT collection.

原記載はホロタイプのみで記載された。ZUMT に移管された三井海洋生物学研究所の魚類標本から発見された標本は、原記載の図(figs. 14–17)や体サイズが一致する。この標本がホロタイプである(ICZN Art. 73.1.2)。ZUMT コレクションの ZUMT 55032 に登録された。

Current status: Valid as *Linophryne densiramus* Imai, 1941 オニアンコウ

Bertelsen, E. 1980. Notes on Linophryidae V: A revision of the deep sea anglerfishes of the *Linophryne arborifera*-group (Pisces, Ceratioidei). Steenstrupia, 6 (6): 29–70.

Bertelsen, E. and Pietsch, T. W. 1983. The ceratioid anglerfishes of Australia. Records of the Australian Museum, 35 (2): 77–99.

Stewart, A. L. and Pietsch, T. W. 1998. The ceratioid anglerfishes (Lophiiformes: Ceratioidei) of New Zealand. Journal of the Royal Society of New Zealand, 28 (1): 1–37.

Anderson, M. E. and Leslie, R. W. 2001. Review of the deep-sea anglerfishes (Lophiiformes: Ceratioidei) of southern Africa. Ichthyological Bulletin of the J. L. B. Smith Institute of Ichthyology, 70: 1–32.

- 尼岡邦夫・仲谷一宏・矢部 衛. 2011. 北海道の全魚類図鑑. 北海道新聞社, 札幌. 482 pp. [Amaoka, K., Nakaya, K. and Yabe, M. 1995. Fishes of Hokkaido. The Hokkaido Shimbun Press, Sapporo. 482 pp. (In Japanese)]
- 中坊徹次(編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]
- Tatsuta, N., Imamura, H., Nakaya, K., Kawai, T., Abe, T., Sakaoka, K., Takagi, S. and Yabe, M. 2014. Taxonomy of mesopelagic fishes collected around the Ogasawara Islands by the T/S Oshoro-Maru. *Memoirs of the Faculty of Fisheries Sciences, Hokkaido University*, 56 (1): 1-64.

Beloniformes ダツ目

Hemiramphidae サヨリ科

Hemirhamphus elongatus Tanaka, 1911 トウザヨリ

Original description: Tanaka (1911): 22, pl. 6 (fig. 21).

田中茂穂. 1911. 日本産魚類図説, 2: 19-34, pls. 6-10. [Tanaka, S. 1911. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 2: 19-34, pls. 6-10. (In Japanese and English)]

Holotype (lost): ZUMT 2946, off Misaki (Sagami Bay), Kanagawa Pref., Japan.

Remarks: In the original description, ZUMT 2946 was specified as the holotype. Unfortunately, the specimen has not been located at this time, and was judged to have been lost.

原記載はホロタイプに ZUMT 2946 を指定した。残念ながら、現時点でこの標本は確認できないため、失われたと判断した。

Current status: Synonym of *Euleptorhamphus viridis* (van Hasselt, 1823) トウザヨリ

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

Collette, B. B. and Su, J.-X. 1986. The halfbeaks (Pisces, Beloniformes, Hemiramphidae) of the Far East. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 138: 250-302.

中坊徹次・町田吉彦・山岡耕作・西田清徳(編). 2001. 以布利 黒潮の魚. 大阪海遊館, 大阪. 300 pp. [Nakabo, T., Machida, Y., Yamaoka, K. and Nishida, K. (eds). 2001. Fishes of the Kuroshio Current, Japan. Osaka Aquarium KAIYUKAN, Osaka. 300pp. (In Japanese and English)]

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Psomadakis, P., Thein, H., Russell, B. C. and Tun, M. T. 2020. Field identification guide to the living marine resources of Myanmar. *FAO species identification guide for fishery purposes*. Food and Agriculture Organization of the United Nations, and Department of Fisheries, Ministry of Agriculture, Livestock and Irrigation, Republic of the Union of Myanmar, Rome. xvii + 694 pp., pls. 58.

Hyporhamphus (Hyporhamphus) taiwanensis Collette & Su, 1986

Original description: Collette and Su (1986): 276, fig. 2D.

Collette, B. B. and Su, J.-X. 1986. The halfbeaks (Pisces, Beloniformes, Hemiramphidae) of the Far East. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 138: 250-302.

Paratype (available): ZUMT 37434(1), Taiwan; August 1908.

Paratypes (available): ZUMT 45441–ZUMT 45443(3), Taiwan; about 1943.

Current status: Valid as *Hyporhamphus taiwanensis* Collette & Su, 1986

Collette, B. B. 2004. Family Hemiramphidae Gill 1859–halfbeaks. California Academy of Sciences, Annotated Checklists of Fishes, 22: 1–35.

Exocoetidae トビウオ科

Cypselurus opisthopus hiraii Abe, 1953 ホソトビ

Original description: Abe (1953): 962, pl. 191, figs. 523–524.

Tomiyama, I. and T. Abe. 1953. Figures and descriptions of the fishes of Japan (a continuation of Dr. Shigeo Tanaka's work). Kazama-shobo, Tokyo, 49: 961–982, pls. 191–195. (In Japanese and English)

Holotype (lost): ZUMT 47765, 202 mm SL, Tokyo Market (shipping from Mera, Chiba Pref.), Japan; 11 September 1952; collected by Tokiharu Abe. [東京市場(千葉県布良); 1952年9月11日; 阿部宗明採集.]

Paratypes (lost): 9 specimens.

ZUMT 13044 (1), ZUMT 13525 (1), ZUMT 13586 (1), Miyako Bay, Iwate Pref., Japan.

ZUMT 16547 (1), near Oita City, Oita Pref., Japan; collected by Yoshimatsu Yamamoto.

ZUMT 20687 (1), ZUMT 20793 (1), ZUMT 20923 (1), Misaki (Sagami Bay), Kanagawa Pref., Japan; collected by Shigeo Tanaka.

ZUMT 34916 (1), Niigata Pref., Japan; collected by Shigeo Tanaka.

ZUMT 47819 (1), Manazuru (Sagami Bay), Kanagawa Pref., Japan; 5 June or 5 August 1952; collected by Masaji Hirai. (神奈川県足柄下郡真鶴相模湾; 1952年6月5日または8月5日; 平井政次採集)

Paratypes (available): 56 specimens

ZUMT 12927 (1), Aomori (Mutsu Bay), Pref., Japan; collected by Sadao Tanabe.

ZUMT 26177 (1), Onoda, Yamaguchi Pref., Japan; collected by Sanji Nagatomi.

ZUMT 41819 (1), Asamushi, Aomori Pref., Japan; collected by Sadao Tanabe.

ZUMT 46204 (1), ZUMT 46215 (1), Toyama Pref., Japan; collected by Shigeo Tanaka.

ZUMT 47750 (2), Hasama, Tateyama City, Chiba Pref., Japan; 10 June 1952; Collected by Tatsuyoshi Masuda. (千葉県館山市波左間; 1952年6月10日)

ZUMT 47761–ZUMT 47762 (2), ZUMT 47766–ZUMT 47775 (10), ZUMT 47778–ZUMT 47786 (9), same as holotype.

ZUMT ABE 8591 (1), Manazuru, Kanagawa Pref., Japan; 14 June 1952; collected by Tokiharu Abe. (神奈川県足柄下郡真鶴相模湾; 1952年6月14日; 阿部宗明採集)

ZUMT ABE 8622 (1), same area as holotype; June 15, 1951.

ZUMT ABE 8623–ZUMT ABE 8630 (8), ZUMT ABE 8773–ZUMT ABE 8790 (18), same area as holotype; 9 September 1952.

ZUMT ABE 8732 (1), Fukaura, Minami-uwa, Ehime Pref., Japan; September 1950; collected by Masao Katayama. (愛媛県南宇和郡深浦; 1950年9月; 片山正夫採集)

Remarks: The location of the following paratype 45 lots from the Abe collection is unknown.

以下の阿部コレクションのパラタイプ 45 標本の所在は不明。

ABE uncatalogued (2), Sea of Japan; probably 19–20 July 1949; collected by Sukekata Ito.

ABE 668 – ABE 678 (11), ABE 684 – ABE 698 (14), ABE 741– ABE 744 (4), same area as holotype; dated 15 June 1951.

ABE 8592 (1), ABE 8593 (1), Manazuru, Kanagawa Pref., Japan; 14 June 1952; collected by Tokiharu Abe. (神奈川県足柄下郡真鶴相模湾; 1952年6月14日; 阿部宗明採集)

ABE 8604–ABE 8609 (6), Manazuru (Sagami Bay), Kanagawa Pref., Japan; 30 July 1952; collected by Tokiharu Abe. (神奈川県足柄下郡真鶴相模湾; 1952年7月30日; 阿部宗明採集)

ABE 8700 (1), Kesen-numa, Miyagi Pref., Japan; August 1952; collected by Chikashi Nakamura. (宮城県気仙沼)
ABE 8709 (1), same as holotype.
ABE 8712 (1), off south western coast of Hachijo Island, Tokyo, Japan; 25 August 1952; collected by Tokiharu Abe. (八丈島南西; 1952年8月25日; 阿部宗明採集)
ABE 8726 (115), same area as holotype; dated 21 October 1952.
ABE 8735 (1), off Nozaki (Nanao Bay), Noto, Ishikawa Pref., Japan; 24 July 1952; collected by Sukekata Ito. (石川県能登, 野崎(七尾湾); 1952年7月24日)
ABE 8736 (1), off Nozaki (Nanao Bay), Noto, Ishikawa Pref., Japan; 22 July 1952; collected by Sukekata Ito. (石川県能登, 野崎(七尾湾); 1952年7月22日)

Current status: Valid as *Cypselurus hiraii* Abe, 1953 ホソトビウオ

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]
中坊徹次・町田吉彦・山岡耕作・西田清徳(編). 2001. 以布利 黒潮の魚. 大阪海遊館, 大阪. 300 pp. [Nakabo, T., Machida, Y., Yamaoka, K. and Nishida, K. (eds). 2001. Fishes of the Kuroshio Current, Japan. Osaka Aquarium KAIYUKAN, Osaka. 300pp. (In Japanese and English)]
Kharin, V. E. and Saveliev, P. A. 2011. First occurrence of the bony flying fish *Hirundichthys oxycephalus* (Exocoetidae) in waters of Russia. *Journal of Ichthyology*, 51 (7): 551-555.
中坊徹次(編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]
Saveliev, P. A., Kolpakov, E. V. and Semenchenko, A. A. 2014. The first capture of the flying fish *Cypselurus hiraii* Abe, 1953 (Beloniformes: Exocoetidae) in waters of northern Primorye (Sea of Japan). *Russian Journal of Marine Biology*, 40(5): 405 – 406.
園山貴之・荻本啓介・堀 成夫・内田喜隆・河野光久. 2020. 証拠標本および画像に基づく山口県日本海産魚類目録. 鹿児島大学総合研究博物館研究報告, 11: 1-152. [Sonoyama, T., Ogimoto, K., Hori, S., Uchida, Y. and Kawano, M. 2020. An annotated checklist of marine fishes of the Sea of Japan off Yamaguchi Prefecture, Japan, with 74 new records. *Bulletin of the Kagoshima University Museum*, 11: 1-152. (In Japanese with English abstract)]

Cypselurus starksi Abe, 1953 アリアケトビウオ

Original description: Abe (1953): 969, pl. 192, figs. 525-526.

Tomiyama, I. and Abe, T. 1953. Figures and descriptions of the fishes of Japan (a continuation of Dr. Shigeo Tanaka's work). *Kazama-shobo*, Tokyo, 49: 961-982, pls. 191-195. (In Japanese and English)

Holotype (available): ZUMT 47821, Akamizu, Nobeoka City, Miyazaki Pref., Kyushu, Japan; early in November 1952.

Paratypes (available): 21specimens.

ZUMT 20544 (1), ZUMT 20550 (1), ZUMT 20551 (1), ZUMT 20760 (1), Wakayama Pref., Japan; January 1921.
ZUMT 22641 – ZUMT 22642 (2), Tanabe, Wakayama Pref., Japan; November 1922; collected by Shigeo Tanaka.
ZUMT 23798 (1), Kagoshima Pref., Japan; 20 July-15 August 1930; collected by Ichiro Tomiyama.
ZUMT 25661 (1), ZUMT 25663 (1), probably Toyama Pref., Japan; collected by Shigeo Tanaka.
ZUMT 31323 (1), Matsue, Shimane Pref., Japan; collected by Shigeo Tanaka.
ZUMT 35049 – ZUMT 35050 (2), Okinohata, Yanagawa, Fukuoka Pref., Japan; 26-31 May 1931; collected by Ichiro Tomiyama.
ZUMT 39344 (1), probably Shizuoka Pref., Japan; collected by Shigeo Tanaka.
ZUMT ABE 8657 (1), Manazuru (Sagami Bay), Kanagawa Pref., Japan; 5 October 1958; collected by Tokiharu Abe.

ZUMT ABE 8691 – ZUMT ABE 8692 (2), ZUMT ABE 8694 – ZUMT ABE 8696 (3), same as holotype.
ZUMT ABE 8733 (1), Toyama Bay, Japan; probably summer, 1938; collected by Masao Katayama.
ZUMT ABE 8772 (1), Tokyo Market (probably from Numazu), Japan; 21 October 1958; collected by Tokiharu Abe.

Remarks: The location of the following paratypes 2 specimens from the Abe collection is unknown.

以下の阿部コレクションのパラタイプ 2 標本の所在は不明。

ABE 8697 (1) and ABE 8698 (1), same as holotype.

Current status: Valid as *Cypselurus starksi* Abe, 1953 アリアケトビウオ

久新健一郎・尼岡邦夫・仲谷一宏・井田 齊. 1977. インド洋の魚類. 海洋水産資源開発センター, 東京. 393 pp. [Kyushin, K., Amaoka, K., Nakaya, K. and Ida, H. 1977. Fishes of Indian Ocean. Japan Marine Fishery Resource Research Center, Tokyo. 393 pp. (In Japanese and English; various authors)]

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫 (編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

中坊徹次 (編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

園山貴之・荻本啓介・堀 成夫・内田喜隆・河野光久. 2020. 証拠標本および画像に基づく山口県日本海産魚類目録. 鹿児島大学総合研究博物館研究報告, 11: 1–152. [Sonoyama, T., Ogimoto, K., Hori, S., Uchida, Y. and Kawano, M. 2020. An annotated checklist of marine fishes of the Sea of Japan off Yamaguchi Prefecture, Japan, with 74 new records. Bulletin of the Kagoshima University Museum, 11: 1–152. (In Japanese with English abstract)]

Shakhovskoy, I. B. and Parin, N. V. 2022. A review of the flying fish genus *Cypselurus* (Beloniformes: Exocoetidae). Part 2. Revision of the subgenus *Poecilocypselurus* Bruun, 1935 with descriptions of three new species and five new subspecies and reinstatement of *Exocoetus apus* Valenciennes and *E. neglectus* Bleeker. Zootaxa, 5117 (1): 1–109.

Prognichthys sealei Abe, 1955 ダルマトビ

Original description: Abe (1955): 185, figs. 1–3.

Abe, T. 1955. On a new Pacific flying fish, *Prognichthys sealei*, retaining five unbranched fin-rays above in the pectoral throughout life. Records of Oceanographic Works in Japan, 2 (1): 185–192, 1 pl.

Holotype (available): ZUMT 50474 (male, 183 mm SL), 30 miles east of Miyako Island, southern Ryukyu Islands, Japan; 11 May 1953.

Paratype (lost): ZUMT 50475 (1), taken at Oomuro-dashi (south of Izu-oshima Island), Japan; 20–21 May 1953.

Paratype (lost): ZUMT 50476 (1), taken near Izu Islands, Japan; probably in 1952.

Remarks: The whereabouts of the following paratype specimen in the Abe collection are unknown. ABE 10195 (1), east of the New Hebrides (16°08'S, 169°00'E.); 19 January 1955.

次の阿部コレクションのパラタイプ標本の所在は不明。

ABE 10195 (1), east of the New Hebrides (16°08'S, 169°00'E.); 19 January 1955.

Current status: Valid as *Prognichthys sealei* Abe, 1955 ダルマトビウオ

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫 (編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

- Winterbottom, R., Emery, A. R. and Holm, E. 1989. An annotated checklist of the fishes of the Chagos Archipelago, central Indian Ocean. Royal Ontario Museum Life Science Contributions, 145: 1-226, pls. 1-8.
- Parin, N. V. 1996. On the species composition of flying fishes (Exocoetidae) in the west-central part of tropical Pacific. *Journal of Ichthyology*, 36 (5): 357-364.
- Parin, N. V. 1999. Flying-fishes of the genus *Prognichthys* (Exocoetidae) in the Atlantic Ocean. *Journal of Ichthyology*, 39 (4):281-293.
- Kharin, V. E., Zemnukhov, V. V. and Tolokonnikov, A. A. 2007. *Prognichthys sealei* (Exocoetidae) - a species of flying fish new for the Russian fauna. *Journal of Ichthyology*, 47 (1): 110-111.
- Kharin, V. E. and Saveliev, P. A. 2011. First occurrence of the bony flying fish *Hirundichthys oxycephalus* (Exocoetidae) in waters of Russia. *Journal of Ichthyology*, 51 (7): 551-555.
- 中坊徹次(編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Lampridiformes アカマンボウ目
Trachipteridae フリソデウオ科
Trachipterus misakiensis Tanaka, 1908

Original description: Tanaka (1908): 52, pl. 4 (fig. 2).

Tanaka, S. 1908. Notes on some Japanese fishes, with descriptions of fourteen new species. *Journal of the College of Science, Imperial University of Tokyo*, 23 (7): 1-54, pls. 1-4.

Holotype (lost): ZUMT 960 (13.8 cm SL), off Misaki (Sagami Bay), Kanagawa Pref., Japan. (Specimen B)

Paratypes (lost): ZUMT uncatalogued, (Specimen A; 17.3 cm SL), (Specimen C; 7.5 cm SL), (Specimen D; 8.3 cm SL); Okinose, Misaki (Sagami Sea), Kanagawa Pref., Japan.

Remarks: The original description specified ZUMT 960 as the holotype. In addition, paratype 3 specimens were added. ZUMT 1347 (2) and ZUMT 1348 (1) matched from the scientific name of the ZUMT specimen ledger and the record of collected data. ZUMT 1347 (2) was destroyed because it rotted. ZUMT 1348 (1), whose specimen was confirmed, had a body size that did not match the description and was reidentified as *Desmodema lorum* in Koeda et al. 2022. No paratype of this species was found in the ZUMT collection.

原記載ではホロタイプに ZUMT 960 を指定した。その他にパラタイプ 3 標本を加え記載した。ZUMT 標本台帳の学名や採集データの記録から ZUMT 1347 (2)と ZUMT 1348 (1)が一致した。ZUMT 1347 (2)は腐敗したため廃棄された。標本が確認できた ZUMT 1348 (1)は、体サイズが記載とは一致せず、また再同定の結果、オキフリソデウオであった(Koeda et al. 2022)。本種のパラタイプは ZUMT コレクションからは発見できなかった。

Current status: Synonym of *Desmodema polystictum* (Ogilby, 1898) フリソデウオ

Heemstra, P. C. and Kannemeyer, S. X. 1984. Trachipteridae and Radiicephalidae (Pisces, Lampriformes) and a new species of *Zu* from South Africa. *Annals of the South African Museum*, 94 (2): 13-39.

尼岡邦夫・仲谷一宏・新谷久男・安井達夫(編). 1983. 東北海域・北海道オホーツク海域の魚類. 日本水産資源保護協会, 東京. 327 pp. [Amaoka, K., Nakaya, K., Araya, H. and Yasui, T. (eds). 1983. Fishes from the north-eastern Sea of Japan and the Okhotsk Sea off Hokkaido. Japan Fisheries Resource Conservation Association, Tokyo. 327 pp. (In Japanese and English; various authors)]

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

園山貴之・荻本啓介・堀 成夫・内田喜隆・河野光久. 2020. 証拠標本および画像に基づく山口県日本海産魚類目録. 鹿児島大学総合研究博物館研究報告, 11: 1-152. [Sonoyama, T., Ogimoto, K., Hori, S., Uchida, Y. and Kawano, M. 2020. An annotated checklist of marine fishes of the Sea of Japan off Yamaguchi Prefecture, Japan, with 74 new records. *Bulletin of the Kagoshima University Museum*, 11: 1-152. (In Japanese with

English abstract]]

- Koeda, K., Aizawa, M., Sakamoto, K. and Ueshima, R. 2022. Report on the specimens of order Lampridiformes (Teleostei) deposited in the Department of Zoology, the University Museum, the University of Tokyo. The University Museum, The University of Tokyo Material Reports, 128 (2): 25–35.
- Martin, J. M. and Hilton, E. J. 2021. A taxonomic review of the family Trachipteridae (Acanthomorpha: Lampridiformes), with an emphasis on taxa distributed in the western Pacific Ocean. *Zootaxa*, 5039 (3): 301–351.

Ateleopodiformes シャチブリ目

Ateleopodidae シャチブリ科

Ateleopus purpureus Tanaka, 1915 ムラサキシャチブリ

Original description: Tanaka (1915): 566.

田中茂穂. 1915. 日本産魚類の十新種. 動物学雑誌, 27 (325): 565–568. [Tanaka, S. 1915. Ten new species of Japanese fishes. *Zoological Magazine Tokyo*, 27 (325): 565–568. (In Japanese)]

Holotype (lost): ZUMT uncatalogued, off Minato-machi, near Mito, Ibaraki Pref., Japan.

Remarks: There is no holotype designation in the original description. There is no record of the corresponding specimen in the ZUMT specimen ledger, and there is no specimen that matches the description in the ZUMT collection. Unfortunately, this specimen cannot be confirmed at this time, so it was determined that it was lost.

原記載にはホロタイプの設定がない。ZUMT 標本台帳に該当する標本の記録がなく、ZUMT コレクションにも記載に一致する標本はない。残念ながら、現時点でこの標本は確認できないため、失われたと判断した。

Current status: Synonym of *Ateleopus japonicus* Bleeker, 1853 シャチブリ

田中茂穂. 1916. 日本産魚類図説, 22: 383–398, pls. 106–110. [Tanaka, S. 1916. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 22: 383–398, pls. 106–110. (In Japanese and English)]

Prokofiev, A. M. 2006. New finding of *Ateleopus purpureus* Tanaka, 1915 (Ateleopodiformes: Ateleopodidae) in the Pacific waters of Japan. *Journal of Ichthyology*, 2006, 46 (4): 342–344.

Kaga, T., van Oijen, M. J. P., Kubo, Y. and Kitagawa, E. 2015. Redescription of *Ateleopus japonicus* Bleeker 1853, a senior synonym of *Ateleopus schlegelii* van der Hoeven 1855, *Ateleopus purpureus* Tanaka 1915, and *Ateleopus tanabensis* Tanaka 1918 with designation of a lectotype for *A. japonicus* and *A. schlegelii* (Ateleopodiformes: Ateleopodidae). *Zootaxa*, 4027 (3): 389–407.

Kaga, T. 2017. Redescription of *Ateleopus japonicus* Bleeker 1853, a senior synonym of *Ateleopus natalensis* Regan 1921 (Teleostei: Ateleopodiformes: Ateleopodidae). *Zootaxa*, 4238 (4): 583–592.

園山貴之・荻本啓介・堀 成夫・内田喜隆・河野光久. 2020. 証拠標本および画像に基づく山口県日本海産魚類目録. 鹿児島大学総合研究博物館研究報告, 11: 1–152. [Sonoyama, T., Ogimoto, K., Hori, S., Uchida, Y. and Kawano, M. 2020. An annotated checklist of marine fishes of the Sea of Japan off Yamaguchi Prefecture, Japan, with 74 new records. *Bulletin of the Kagoshima University Museum*, 11: 1–152. (In Japanese with English abstract)]

Ateleopus tanabensis Tanaka, 1918 タナベシャチブリ

Original description: Tanaka (1918): 223.

田中茂穂. 1918. 日本産魚類の十二新種. 動物学雑誌, 30 (356): 223–227. [Tanaka, S. 1918. Twelve new species of Japanese fishes. *Zoological Magazine Tokyo*, 30 (356): 223–227. (In Japanese)]

Syntypes (available): ZUMT 8320– ZUMT 8323(4), Tanabe, Wakayama Pref., Japan; collected by Nuizo Ui. (紀

伊國田邊 [和歌山県田辺市] 宇井縫蔵採集)

Remarks: There is no holotype designation in the original description. There was a description of "8320–8323 *Ateleopus tanabensis* n. sp." in the record of the ZUMT specimen ledger. The four individuals of ZUMT 8320–ZUMT 8323 are syntypes (ICZN Art. 72.1.1, 72.4.1.1, 73.2.). Tanaka wrote "8320 type" and "total number of soft rays of anal and caudal fins: 109". This ZUMT 8320 has a cloth tag of "Sketch No. 398".

原記載にはホロタイプ指定がない。ZUMT 標本台帳の記録から「8320–8323 *Ateleopus tanabensis* n. sp.」が該当した。ZUMT 8320–ZUMT 8323 の 4 個体は全てシタイプである (ICZN Art. 72.1.1, 72.4.1.1, 73.2.)。田中の直筆で「8320 type」と「臀鰭と尾鰭の合計軟条数 109 本」の書き込みがあった。この ZUMT 8320 には「写生 398 号」の布タグが付いている。

Current status: Synonym of *Ateleopus japonicus* Bleeker, 1853 シャチブリ

Kaga, T., van Oijen, M. J. P., Kubo, Y. and Kitagawa, E. 2015. Redescription of *Ateleopus japonicus* Bleeker 1853, a senior synonym of *Ateleopus schlegelii* van der Hoeven 1855, *Ateleopus purpureus* Tanaka 1915, and *Ateleopus tanabensis* Tanaka 1918 with designation of a lectotype for *A. japonicus* and *A. schlegelii* (Ateleopodiformes: Ateleopodidae). *Zootaxa*, 4027 (3): 389–407.

Kaga, T. 2017. Redescription of *Ateleopus japonicus* Bleeker 1853, a senior synonym of *Ateleopus natalensis* Regan 1921 (Teleostei: Ateleopodiformes: Ateleopodidae). *Zootaxa*, 4238 (4): 583–592.

園山貴之・荻本啓介・堀 成夫・内田喜隆・河野光久. 2020. 証拠標本および画像に基づく山口県日本海産魚類目録. 鹿児島大学総合研究博物館研究報告, 11: 1–152. [Sonoyama, T., Ogimoto, K., Hori, S., Uchida, Y. and Kawano, M. 2020. An annotated checklist of marine fishes of the Sea of Japan off Yamaguchi Prefecture, Japan, with 74 new records. *Bulletin of the Kagoshima University Museum*, 11: 1–152. (In Japanese with English abstract)]

Stephanoberyciformes カンムリキンメダイ目

Rondeletiidae アンコウイワシ科

Rondeletia loricata Abe & Hotta, 1963 アカチョッキクジラウオ

Original description: Abe and Hotta (1963): 43, pl. XI, figs. 1–7, pl. XII, figs. 8–9.

Abe, T. and Hotta, H. 1963. Description of a new deep-sea fish of the genus *Rondeletia* from Japan. *Japanese Journal of Ichthyology*, 10 (2–6): 43–48, pls. 6–7.

Holotype (available): ZUMT 52196 (stained in alizarin Red–S.), 30 miles off Kesen-numa, Miyagi Pref., Japan; 750 m depth; two-boat-type trawler; October 1962; Tomoe-maru.

Current status: Valid as *Rondeletia loricata* Abe & Hotta, 1963 アカチョッキクジラウオ

Tominaga Y. and Kubota, T. 1972. Records of the redmouth whalefish, *Rondeletia loricata*, from Sagami Bay and Suruga Bay, Japan, with notes on the holotype. *Japanese Journal of Ichthyology*, 19 (3): 181–185.

岡村 収 (編). 1985. 沖縄舟状海盆及び周辺海域の魚類 II. 日本水産資源保護協会, 東京. 417–781 pp. [Okamura, O. (ed). 1985. Fishes of the Okinawa Trough and the adjacent waters II. Japan Fisheries Resource Conservation Association, Tokyo. 417–781 pp. (In Japanese and English; various authors)]

尼岡邦夫・仲谷一宏・矢部 衛. 2011. 北海道の全魚類図鑑. 北海道新聞社, 札幌. 482 pp. [Amaoka, K., Nakaya, K. and Yabe, M. 1995. Fishes of Hokkaido. The Hokkaido Shimbun Press, Sapporo. 482 pp. (In Japanese)]

中坊徹次 (編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Cetomimidae クジラウオ科

Cetomimus compunctus Abe, Marumo & Kawaguchi, 1965 イレズミクジラウオ

Original description: Abe, Marumo and Kawaguchi (1965): 57, figs. 1–2.

Abe, T., Marumo, R. and Kawaguchi, K. 1965. Description of a new cetomimid fish from Suruga Bay. Japanese Journal of Ichthyology, 12 (3–6): 57–63.

Holotype (available): ZUMT 55046 [ex ORIT 641], Suruga Bay, Shizuoka Pref., Japan (34°02.8'N, 138°18.8'E.); 19 August 1964.

Remarks: This holotype specimen abbreviation ORIT is an abbreviation for Ocean Research Institute, University of Tokyo. Transferred to the ZUMT collection and registered with ZUMT 55046. The second author name in the original description is Marumo (Ryuzo Marumo), not Maruno.

ホロタイプ of 標本略号 ORIT は Ocean Research Institute, University of Tokyo の略号。ZUMT コレクションに移管され、ZUMT 55046 に登録された。

原記載の第2著者名は Maruno ではなく、Marumo (丸茂隆三) である。

Current status: Valid as *Cetomimus compunctus* Abe, Marumo & Kawaguchi, 1965 イレズミクジラウオ

Maul, G. E. 1969. On the genus *Cetomimus* (Cetomimidae) with the description of a new species. Bocagiana, Museu Municipal do Funchal (História Natural), 18: 1–12.

Paxton, J. R. 1989. Synopsis of the whalefishes (family Cetomimidae) with descriptions of four new genera. Records of the Australian Museum, 41 (2): 135–206.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Beryciformes キンメダイ目

Holocentridae イットウダイ科

Adioryx dorsomaculatus Shimizu & Yamakawa, 1979 バラエビス

Original description: Shimizu and Yamakawa (1979): 119, figs. 3C, 4A, 5A, 9.

Shimizu, T. and Yamakawa, T. 1979. Review of the squirrelfishes (subfamily Holocentrinae: order Beryciformes) of Japan, with a description of a new species. Japanese Journal of Ichthyology, 26 (2): 109–147.

Paratype (available): ZUMT 54050(1), Kakeroma Is., Amami Islands, Kagoshima Pref., Japan; 4 August 1976; collected by W. Takada.

Current status: Valid as *Sargocentron dorsomaculatum* (Shimizu & Yamakawa, 1979) バラエビス

Matsuura, K. and Shimizu, T. 1982. The squirrelfish genus *Adioryx*, a junior synonym of *Sargocentron*. Japanese Journal of Ichthyology, 29 (1): 93–94.

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

Randall, J. E. 1998. Revision of the Indo-Pacific squirrelfishes (Beryciformes: Holocentridae: Holocentrinae) of the genus *Sargocentron*, with descriptions of four new species. Indo-Pacific Fishes, 27: 1–105, pls. 1–11.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

江口慶輔・本村浩之. 2016. 琉球列島におけるイットウダイ科魚類相. Nature of Kagoshima, 42: 57–112. [Eguchi, K. and Motomura, H. 2016. Holocentrid fishes of the Ryukyu Islands, Japan. Nature of Kagoshima, 42: 57–112. (In Japanese)]

Ostichthys sandix Randall, Shimizu & Yamakawa, 1982

Original description: Randall, Shimizu and Yamakawa (1982): 16, fig. 10.

Randall, J. E., Shimizu, T. and Yamakawa, T. 1982. A revision of the holocentrid fish genus *Ostichthys*, with descriptions of four new species and a related new genus. Japanese Journal of Ichthyology, 29 (1): 1–26, 2 pls.

Paratype (available): ZUMT 54238(1), off Barber's Point, Waianae coast, Oahu Island, Hawaiian Islands; 84–94.5 m depth; gill net at bottom; 19–20 April 1971; collected by Thomas A. Clarke.

Current status: Valid as *Ostichthys sandix* Randall, Shimizu & Yamakawa, 1982

Randall, J. E. 2007. Reef and shore fishes of the Hawaiian Islands. Sea Grant College Program, University of Hawai'i, Honolulu. i-xiv + 1-546.

Greenfield, D. W., Randall, J. E. and Psomadakis, P. N. 2017. A review of the soldierfish genus *Ostichthys* (Beryciformes: Holocentridae), with descriptions of two new species from Myanmar. Journal of the Ocean Science Foundation, 26: 1–33.

Fricke, R. 2017. *Ostichthys kinchi*, a new species of soldierfish from New Ireland, Papua New Guinea, western Pacific Ocean (Teleostei: Holocentridae). FishTaxa, 2 (2): 62–70.

Fricke, R. 2017. *Ostichthys spiniger*, a new species of soldierfish from New Ireland, Papua New Guinea, western Pacific Ocean (Teleostei: Holocentridae). Ichthyological Research, 65 (1): 127–133.

Matsunuma, M., Fukui, Y. and Motomura, H. 2018. Review of the *Ostichthys japonicus* complex (Beryciformes: Holocentridae: Myripristinae) in the northwestern Pacific Ocean, with description of a new species. Ichthyological Research, 65 (3): 285–314.

Berycidae キンメダイ科

Beryx mollis Abe, 1959 フウセンキンメ

Original description: Abe (1959): 157, pls. 4–6.

Abe, T. 1959. New, rare or uncommon fishes from Japanese waters. VII. Description of a new species of *Beryx*. Japanese Journal of Ichthyology, 7 (5–6): 157–163, pls. 4–6.

Holotype (available): ZUMT 49583, off Iwa, Manazuru (Sagami Bay), Kanagawa Pref., Japan; 16 January 1959; hook and line.

Paratype (available): ZUMT ABE 59-2 (1), off Odawara City (Sagami Bay), Kanagawa Pref., Japan; 12 March 1959; hook and line.

Remarks: The following paratype specimens from the Abe collection are currently unknown.

以下の阿部コレクションのパラタイプ標本は、所在不明。

Paratype: ABE 59–27 (1, skeletonized), off Odawara City (Sagami Bay), Kanagawa Pref., Japan; 12 March 1959; hook and line.

Current status: Valid as *Beryx mollis* Abe, 1959 フウセンキンメ

Yoshino, T., Kon, T. and Miura, A. 1999. Morphological differences between *Beryx splendens* Lowe and *B. mollis* Abe (Teleostei: Beryciformes: Berycidae). Bulletin Faculty Science, University of the Ryukyus, 67: 77–86.

Yoshino, T. and Kotlyar, A. N. 2001. World distribution of the balloon alfonso, *Beryx mollis* (Pisces: Beryciformes: Berycidae). Bulletin of the Faculty of Science, University of the Ryukyus No. 72: 119–123. [Errata appeared in Bulletin Faculty of Science, University of the Ryukyus, 2002, 73: 63]

福井美乃・松沼瑞樹・本村浩之. 2015. 鹿児島県黒島沖の大陸斜面域から得られた底生魚類およびギンザメ科アカギンザメ *Hydrolagus mitsukurii* の記録. Nature of Kagoshima, 41: 177–186. [Fukui, Y., Matsunuma, M. and Motomura, H. 2015. A list of demersal fishes collected from off Kuro-shima island in the Osumi Group, Kagoshima Prefecture, southern Japan, with record of *Hydrolagus mitsukurii* (Chimaeriformes: Chimaeridae).

Nature of Kagoshima, 41: 177–186. (In Japanese)]

畑 晴陵・岩坪洸樹・原口百合子・森 幸二・本村浩之. 2016. 鹿児島県のキンメダイ科魚類. Nature of Kagoshima, 42: 49–56. [Hata, H., Iwatsubo, H., Haraguchi, Y., Mori, K. and Motomura, H. 2016. A synopsis of alfonosinos (Beryciformes: Berycidae) in Kagoshima Prefecture, Japan. Nature of Kagoshima, 42: 49–56. (In Japanese)]

Zeiformes マトウダイ目

Oreosomatidae オオメマトウダイ科

Xenocyttus nemotoi Abe, 1957 ツブマトウダイ

Original description: Abe (1957): 228, pls. 1–2.

Abe, T. 1957. Notes on fishes from the stomachs of whales taken in the Antarctic. I. *Xenocyttus nemotoi*, a new genus and new species of zeomorph fish of the subfamily Oreosominae Goode and Bean, 1895. Scientific Reports of the Whales Research Institute, Tokyo, 12: 225–233, 2 pls.

Holotype (available): ZUMT 49756, Antarctic Ocean (64°32'S, 115°25'E.); 15 January 1955; collected by Nemoto from the stomach of a fin whale along with numerous euphausiids.

Current status: Synonym of *Pseudocyttus maculatus* Gilchrist, 1906 ヒョウマトウダイ

Abe, T. and Suzuki, M. 1981. Notes on some fishes associated with the Antarctic krill. II. On *Xenocyttus nemotoi* Abe, and again on *Neopagetopsis ionah* Nybelin. Antarctic Record, (71): 121–129. [In Japanese with English summary]

James, G. D., Inada, T. and Nakamura, I. 1988. Revision of the oreosomatid fishes (family Oreosomatidae) from the southern oceans, with a description of a new species. New Zealand Journal of Zoology, 15: 291–326.

尼岡邦夫・松浦啓一・稲田伊史・武田正倫・畑中 寛・岡田啓介 (編). 1990. ニュージーランド海域の水族深海丸により採集された魚類・頭足類・甲殻類. 海洋水産資源開発センター, 東京. 411 pp. [Amaoka, K., Matsuura, K., Inada, T., Takeda, M., Hatanaka, H. and Okada, K. (eds). 1990. Fishes collected by the R/V Shinkai Maru around New Zealand. Japan Marine Fishery Resource Research Center, Tokyo. 411 pp. (In Japanese and English; various authors)]

Gasterosteiformes トゲウオ目

Gasterosteidae トゲウオ科

Pygosteus kaibarae Tanaka, 1915 サバジヤコ, カツオ

Original description: Tanaka (1915): 565.

田中茂穂. 1915. 日本産魚類の十新種. 動物学雑誌, 27 (325): 565–568. [Tanaka, S. 1915. Ten new species of Japanese fishes. Zoological Magazine Tokyo, 27 (325): 565–568. (In Japanese)]

Lectotype (available): ZUMT 8197, Kisshoin, Minami-ku, Kyoto City, Kyoto, Japan; collected by Fukuzo Imaoji. (京都附近吉祥院村 [京都府京都市南区吉祥院] 今大路復三採集)

Paralectotypes (available): ZUMT 59848–ZUMT 59853 (6), same as lectotype.

Paralectotypes (available): ZUMT 3442 (2), Kakishiba, Hikami-cho, Tanba City, Hyogo Pref., Japan; collected by Yasaburo Tanaka and Tomiji Ashida, donated by Jun Nakagawa. (丹波柏原付近成松町内柿紫町小字清水 [兵庫県丹波市氷上町柿柴]、田中弥三郎、芦田富治採集、中川 純寄贈)

Paralectotypes (available): LBL1210060298 (1, ex: ZUMT 59854), same as lectotype.

Remarks: The original description states that there are 8 and 9 dorsal fin spines. In addition, it is said to be collected from three production areas, "Kakishiba Town Shimizu in Tanba Kaibara Narimatsu Town = Kakishiba, Hikami-cho, Tanba City, Hyogo Prefecture", "Wada Village, Hikami-cho District, Tanba Province = Wada Village,

Hikami-cho, Tanba City, Hyogo Prefecture", and "Kisshoin Village, Kyoto Prefecture = Kisshoin, Minami-ku, Kyoto City, Kyoto." From this, the type series is syntypes consisting of multiple specimens (ICZN Art. 72.1.1, 72.4.1.1, 73.2).

The ZUMT collection ledger, includes 8 specimens of ZUMT 8197 "*Pygosteus kaibarae*, n. sp.", "Type Illustrated southwest of Kyoto, Kisshoin Village, collected by Fukuzo Imaoji" and includes 2 specimens of ZUMT 3442 "*Pygosteus sinensis*" and "Hyogo Prefecture Kaibara Junior High School, Jun Nakagawa". ZUMT 3442 has a different scientific name, but the specimen label of "Tanba Kaibara", which matches the original description, was confirmed. Specimen ZUMT 3442 is also a syntype. The species name "*kaibarae*" is thought to be derived from Kaibara.

Tanaka (1918)'s Illustrated Encyclopedia of Japanese Fishes (27: 486–491, pl. 134, fig. 376) designated one specimen of ZUMT 8197 collected at "Kichijoin in southwestern Kyoto City" as the holotype. The act of selecting a specific sample as the name-bearing type (holotype in this case) from these syntypes is regarded as the designation of lectotype (ICZN Art. 74.5). There are eight specimens of specimen ZUMT 8197, and one of them has a "type" cloth tag. The specimen with the cloth tag "type" was designated as ZUMT 8197, and the other seven specimens were re-registered as ZUMT 59848–59854. Additionally, ZUMT 59854 (1) was transferred to Shiga Prefectural Lake Biwa Museum (LBM, 1091 Oroshimo, Kusatsu, Shiga 525-0001, Japan) and registered as LBL 1210060298 (1). Specimen ZUMT 8197 is lectotype, and ZUMT 59848–59853 (6), ZUMT 3442 (2) and LBM 1210060298 (1) are paralectotypes (ICZN Art. 74.1.3).

原記載には、背鰭棘が8本と9本とあること。また 3カ所の産地「丹波柏原附近成松町の内の柿柴町小字清水(=兵庫県丹波市氷上町柿柴)」、「丹波國氷上郡和田村(兵庫県氷上郡和田村)」、「京都附近吉祥院村(京都府京都市南区吉祥院)」から採集とある。これらのことからタイプシリーズは複数の標本からなるシントタイプである(ICZN Art. 72.1.1, 72.4.1.1, 73.2)。

ZUMT コレクション台帳には、ZUMT 8197「*Pygosteus kaibarae*, n. sp.」、*type* 図説用 京都の南西、吉祥院村 今大路復三採集」の8個体とZUMT 3442「*Pygosteus sinensis*」、兵庫県柏原中学校、中川純」の2個体があった。ZUMT 3442の学名は異なるが採集地は、原記載と一致する「丹波柏原」の標本ラベルを確認できた。標本ZUMT 3442もシントタイプとなる。種小名「*kaibarae*」は柏原が由来と考えられる。

田中(1918)の日本産魚類図説(27: 486–491, pl. 134, fig. 376)は、「京都市の西南、吉祥院」から収集されたZUMT 8197の1標本をホロタイプに指定した。このシントタイプから特定の標本を担名タイプ(ここではホロタイプ)に選定した行為は、レクトタイプの指定と見なされる(ICZN Art. 74.5)。標本ZUMT 8197には8個体あり、その中の1個体に「*type*」の布タグが付いた。「*type*」の布タグが付いた標本をZUMT 8197とし、それ以外の7個体をZUMT 59848–59854に再登録した。また、ZUMT 59854(1)を滋賀県立琵琶湖博物館(LBM: Lake Biwa Museum, 1091 Oroshimo, Kusatsu, Shiga 525-0001, Japan)へ譲渡し、LBL 1210060298(1)に登録された。標本ZUMT 8197はレクトタイプに、ZUMT 59848–53(6)、ZUMT 3442(2)とLBL 1210060298(1)はパラレクトタイプとなる(ICZN Art. 74.1.3)。

原記載の京都産の採集者名は「今大路復三」、1918年の図説では「今大路復三」となっている。ZUMT 標本台帳には「復三」と記述されている。採集者名の漢字表記に「復三」を採用した。

Current status: Valid as *Pungitius kaibarae* (Tanaka, 1915) ミナミトミヨ

田中茂穂. 1918. 日本産魚類図説, 27: 475–494, pls. 131–135. [Tanaka, S. 1918. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 27: 475–494, pls. 131–135. (In Japanese and English)]

Bogutskaya, N. G., Naseka, A. M., Shedko, S. V., Vasil'eva, E. D. and Chereshev, I. A. 2008. The fishes of the Amur River: updated check-list and zoogeography. Ichthyological Exploration of Freshwaters, 19 (4): 301–366.

Takahashi, H., Møller, P. R., Shedko, S. V., Ramatulla, T., Joen, S.-R., Zhang, C.-G., Sideleva, V. G., Takata, K., Sakai, H., Goto, A. and Nishida, M. 2016. Species phylogeny and diversification process of Northeast Asian *Pungitius* revealed by AFLP and mtDNA markers. Molecular Phylogenetics and Evolution, 99: 44–52.

Matsumoto, T., Matsuura, K. and Hanzawa, N. 2021. A new species of nine-spined stickleback, *Pungitius modestus* (Gasterosteiformes, Gasterosteidae), from northern Honshu, Japan. Zootaxa, 5005 (1): 1–20.

Solenostomidae カミノソリウオ科
Solenostomus leplosoma Tanaka, 1908

Original description: Tanaka (1908): 29, unnumbered figure.

Tanaka, S. 1908. Descriptions of eight new species of fishes from Japan. *Annotationes Zoologicae Japonenses*, 7 (1): 27–47.

Holotype (lost): ZUMT 1948 [not 1748], Yodomi, 50 fathoms (50 hiro), off Misaki (Sagami Bay), Kanagawa Pref., Japan; February 1908; collected by Kumakichi Aoki. (50 尋 ヨドミ 相模湾 明治 41 年 2 月 青木熊吉採集)

Remarks: The original description specifies ZUMT 1784 as the holotype, but there are two ZUMT 1784 in the ZUMT specimen ledger. There were some corrections before and after the latter, which was consistent with the original description, such as the scientific name and collection data. The correct holotype registration number is ZUMT 1948.

原記載はホロタイプに ZUMT 1784 を指定しているが、ZUMT 標本台帳の ZUMT 1784 は 2 箇所にあった。学名や収集データなど原記載と一致した後者の前後に加筆訂正がされた箇所があった。ホロタイプの正しい登録番号は ZUMT 1948 である。

Current status: Valid as *Solenostomus leplosoma* Tanaka, 1908 ヤセフウライウオ

瀬能 宏. 1994. 日本産カミノソリウオ科魚類の分類: 学名と和名の整理. *I.O.P. Diving News*, 5(6): 2–6. [Senou,

H. 1994. A review of the ghost pipefishes, genus *Solenostomus* (Teleostei: Solenostomidae) from Japan. *I. O. P. Diving News*, 5 (6): 2–6. (In Japanese with English abstract)]

中坊徹次・町田吉彦・山岡耕作・西田清徳(編). 2001. 以布利 黒潮の魚. 大阪海遊館, 大阪. 300 pp. [Nakabo, T., Machida, Y., Yamaoka, K. and Nishida, K. (eds). 2001. *Fishes of the Kuroshio Current, Japan*. Osaka Aquarium KAIYUKAN, Osaka. 300pp. (In Japanese and English)]

Allen, G. R. and Adrim, M. 2003. Coral reef fishes of Indonesia. *Zoological Studies*, 42 (1): 1–72.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. *Fishes of Japan with pictorial keys to the species I–III, third edition*. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Golani, D. and Fricke, R. 2018. Checklist of the Red Sea fishes with delineation of the Gulf of Suez, Gulf of Aqaba, endemism and Lessepsian migrants. *Zootaxa*, 4509 (1): 1–215.

Syngnathidae ヨウジウオ科
Hippocampus takakurae Tanaka, 1916 タカクラタツ

Original description: Tanaka (1916a): 423, vol. 23, pl. 115 (fig. 341).

田中茂穂. 1916a. 日本産魚類図説, 24: 419–440, pls. 116–120. [Tanaka, S. 1916. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 24: 419–440, pls. 116–120. (In Japanese and English)]

Holotype (available): ZUMT 22674, Hojo Beach, Tateyama City, Chiba Pref., Japan; collected by Usamaro Takakura. (房州北条(館山市北条), 高倉卯三麿採集)

Remarks: There is no holotype designation in the original description. ZUMT 22674 is the only specimen whose scientific name and collected data match from the records in the ZUMT specimen ledger. This specimen is the holotype (ICZN Art. 72.4.1.1, 73.1.4).

原記載にはホロタイプの指定がない。ZUMT 22674 は、ZUMT 標本台帳の記録から学名と採集データが一致する唯一の標本であり、この標本がホロタイプである (ICZN Art. 72.4.1.1, 73.1.4)。

- Current status: Synonym of *Hippocampus trimaculatus* Leach, 1814 タカクラタツ
- 田中茂穂. 1916b. 日本産魚類図説, 23: 399–418, pls. 111–115. [Tanaka, S. 1916. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 23: 399–418, pls. 111–115. (In Japanese and English)]
- Kim, I.-S. and Lee, W.-O. 1995. First record of the seahorse fish, *Hippocampus trimaculatus* (Pisces: Syngnathidae) from Korea. Korean Journal of Zoology, 38 (1): 74–77.
- 中坊徹次・町田吉彦・山岡耕作・西田清徳(編). 2001. 以布利 黒潮の魚. 大阪海遊館, 大阪. 300 pp. [Nakabo, T., Machida, Y., Yamaoka, K. and Nishida, K. (eds). 2001. Fishes of the Kuroshio Current, Japan. Osaka Aquarium KAIYUKAN, Osaka. 300pp. (In Japanese and English)]
- 中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]
- Lourie, S. A., Pollom R. A. and Foster, S. J. 2016. A global revision of the seahorses *Hippocampus* Rafinesque 1810 (Actinopterygii: Syngnathiformes): taxonomy and biogeography with recommendations for further research. Zootaxa, 4146 (1): 1–66.
- 園山貴之・荻本啓介・堀 成夫・内田喜隆・河野光久. 2020. 証拠標本および画像に基づく山口県日本海産魚類目録. 鹿児島大学総合研究博物館研究報告, 11: 1–152. [Sonoyama, T., Ogimoto, K., Hori, S., Uchida, Y. and Kawano, M. 2020. An annotated checklist of marine fishes of the Sea of Japan off Yamaguchi Prefecture, Japan, with 74 new records. Bulletin of the Kagoshima University Museum, 11: 1–152. (In Japanese with English abstract)]

Mugiliformes ボラ目

Mugilidae ボラ科

Chelon persicus Senou, Randall & Okiyama, 1995

Original description: Senou, Randall and Okiyama (1995): 235, fig. 611.

Senou, H., Randall, J. E. and Okiyama, M. 1996. *Chelon persicus*, a new species of mullet (Perciformes, Mugilidae) from the Persian Gulf. Bulletin of the Kanagawa Prefectural Museum (Natural Science), 25: 71–78.

Paratype (available): ZUMT 59484 (1), 200.6 mm, Doha fish market, Qatar, Persian Gulf; 3 July 1989; collected by Shiro Hara.

Paratype (available): ZUMT 59485 (1, stained in alizarin Red–S.), 195.4 mm, Doha fish market, Qatar, Persian Gulf; July 1989; coll. by Shiro Hara.

Paratype (available): ZUMT 59505 (1), ripe female, 227.8 mm, Doha fish market, Qatar, Persian Gulf; 24 December 1989; coll. by Shiro Hara.

Current status: Valid as *Chelon persicus* Senou, Randall & Okiyama 1995

Carpenter, K. E., Krupp, F., Jones, D. A. and Zajonz, U. 1997. FAO species identification guide for fishery purposes. The living marine resources of Kuwait, eastern Saudi Arabia, Bahrain, Qatar, and the United Arab Emirates. FAO, Rome. 293 pp., pls. 1–17.

Eagderi, S., Fricke, R., Esmaili, H. R. and Jalili, P. 2019. Annotated checklist of the fishes of the Persian Gulf: diversity and conservation status. Iranian Journal of Ichthyology, 6 (Supplement 1): 1–171.

Thieme, P., Bogorodsky, S. V., Alpermann, T. J., Whitfield, A. K., Freitas, R. and Durand, J.-D. 2022. Contributions to the taxonomy of the mugilid genus *Chelon* Artedi (Teleostei: Mugilidae), with a major review of the status of *C. persicus* Senou, Randall & Okiyama, 1995. Zootaxa, 5188 (1): 1–42.

Liza akame Tanaka, 1916 アカメ

Original description: Tanaka (1916): 395.

田中茂穂. 1916. 日本産魚類の二新種. 動物学雑誌, 28 (336): 394–395. [Tanaka, S. 1916. Two new species of Japanese fishes. Zoological Magazine Tokyo, 28 (336): 394–395. (In Japanese)]

Holotype (lost): ZUMT uncatalogued, Urado, near Kochi, Kochi Pref., Japan; August 1916.

Remarks: There is no holotype designation in the original description. There is no record of specimens corresponding to the scientific name "*Liza akame*" and the collection place "Urado, Kochi City" in the ZUMT specimen ledger. There is no specimen that matches the description in the ZUMT collection.

原記載にはホロタイプ指定がない。ZUMT 標本台帳に学名「*Liza akame*」、採集場所「高知市浦戸」に該当する標本の記録はない。ZUMT コレクションにも記載に一致する標本は確認できない。

Current status: Synonym of *Osteomugil perusii* (Valenciennes, 1836) ナンヨウボラ

Thomson, J. M. 1997. The Mugilidae of the world. Memoirs of the Queensland Museum, 41 (13): 457–562.

Kottelat, M. 2013. The fishes of the inland waters of Southeast Asia: a catalogue and core bibliography of the fishes known to occur in freshwaters, mangroves and estuaries. Raffles Bulletin of Zoology Supplement, 27: 1–663.

Liza menada Tanaka, 1916 メナダ

Original description: Tanaka (1916): 394.

田中茂穂. 1916. 日本産魚類の二新種. 動物学雑誌, 28 (336): 394–395. [Tanaka, S. 1916. Two new species of Japanese fishes. Zoological Magazine Tokyo, 28 (336): 394–395. (In Japanese)]

Holotype (lost): ZUMT 3338, Tokyo Market, Tokyo, Japan.

Remarks: In the original description, the holotype of "*Liza menada*" was the illustrated specimen ZUMT 3338, which Tanaka (1912) published as "*Liza haematochila*" in the Figures and descriptions of the fishes of Japan (8: 137–140, pl. 37, fig. 142, pl. 38, fig. 144, pl. 39, fig. 146, pl. 40, fig. 150). The holotype is ZUMT 3338 (ICZN Art. 73.1.4).

原記載で「*Liza menada*」のホロタイプを田中(1912)の日本産魚類図説(8: 137–140, pl. 37, fig. 142, pl. 38, fig. 144, pl. 39, fig. 146, pl. 40, fig. 150)に「*Liza haematochila*」として掲載した図示標本 ZUMT 3338 を指定した (ICZN Art. 73.1.4)。

Current status: Synonym of *Planiliza haematocheilus* (Temminck & Schlegel, 1845) メナダ

田中茂穂. 1912. 日本産魚類図説, 8: 129–144, pls. 36–40. [Tanaka, S. 1912. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 8: 129–144, pls. 36–40. (In Japanese and English)]

Thomson, J. M. 1997. The Mugilidae of the world. Memoirs of the Queensland Museum, 41 (13): 457–562.

Chang, C.-W., Huang C.-S., and Tzeng, W.-N. 1999. Redescription of red lip mullet *Chelon haematocheilus* (Pisces: Mugilidae) with a key to mugilid fishes in Taiwan. Acta Zoologica Taiwanica, 10 (1): 37–43.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Perciformes スズキ目

Scorpaenoidei カサゴ亜目

Sebastidae メバル科

Adelosebastes latens Eschmeyer, Abe & Nakano, 1979 フトユビメヌケ

Original description: Eschmeyer, Abe and Nakano (1979): 80, pl. 1, figs. 1–2.

Eschmeyer, W. N., Abe, T. and Nakano, S. 1979. *Adelosebastes latens*, a new genus and species of scorpionfish from the North Pacific Ocean (Pisces, Scorpaenidae). *Uo* (Japanese Society of Ichthyologists), 30: 77–84, pl. 1.

Holotype (lost): ZUMT 54180, Emperor Seamount Chain, North Pacific; 900–1000 m depth.

Current status: Valid as *Adelosebastes latens* Eschmeyer, Abe & Nakano, 1979 フトユビメヌケ

Barsukov, V. V., Borets, L. A., Kodolov, L. S. and Snytko, V. A. 1983. New data on *Adelosebastes latens* Eschmeyer, Abe and Nakano, 1979 (Scorpaenidae). *Journal of Ichthyology*, 23 (4): 8–13.

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

Orr, J. W. and Baker, D. C. 1996. New North American records of the northeast Pacific scorpaenids *Adelosebastes latens* and *Sebastes glaucus*. *Alaska Fishery Research Bulletin*, 3: 94–102.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Helicolenus avius Abe & Eschmeyer, 1972 オキカサゴ

Original description: Abe and Eschmeyer (1972): 49, figs. 1–2.

Abe, T. and Eschmeyer, W. N. 1972. A new species of the scorpionfish genus *Helicolenus* from the North Pacific Ocean. *Proceedings of the California Academy of Sciences (Series 4)*, 39 (4): 47–53.

Holotype (available): ZUMT 52457, southern end of Emperor Seamount Chain, northwestern Pacific (32°40'N, 172°17'E and 35°05'N, 171°46'E); 450–600 m depth; around 21–22 August 1970; collected with a bottom trawl vessel Daini–Oriento Maru.

Remarks: The location of the ABE collection paratype ABE 15256 (1; same as holotype) is unknown.

阿部コレクションのパラタイプ ABE 15256 (1; same as holotype)は、所在不明。

Current status: Valid as *Helicolenus avius* Abe & Eschmeyer, 1972 オキカサゴ

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Mundy, B. C. 2005. Checklist of the fishes of the Hawaiian Archipelago. *Bishop Museum Bulletins in Zoology*, 6: 1–703.

Sebastes sasakii Tanaka, 1916 ミヤギメバル、アカウオ

Original description: Tanaka (1916): 10.

田中茂穂. 1916. 日本産魚類の二新種. *動物学雑誌*, 28 (333): 257–258. [Tanaka, S. 1916. Two new species of Japanese fishes. *Zoological Magazine Tokyo*, 28 (333): 257–258. (In Japanese)]

Holotype (lost): ZUMT uncatalogued, 120 fathoms (120 hiro), off Rhikuzen, Miyagi Pref., Japan; collected by Takuma Sasaki, Director of Miyagi Prefectural Fisheries Experimental Station.

Remarks: There is no holotype designation in the original description. In the ZUMT specimen ledger, there were no specimens that matched the scientific name, the collection locality "off Rikuzen", the collectors "Miyagi Prefectural Fisheries Experimental Station", and "Okitarou Sasaki". No corresponding specimen could be confirmed in the ZUMT collection.

原記載にはホロタイプ指定がない。ZUMT 標本台帳には、学名、原記載の産地「陸前沖」、採集者「宮城県水産試験場」、「佐々木沖太郎」に一致する標本はない。ZUMT コレクションにも該当する標本を確認できなかった。

Current status: Synonym of *Sebastes itimus* (Jordan & Starks, 1904) ヤナギメバル

松原喜代松. 1955. 魚類の形態と検索 II. 石崎書店, 東京. vi+791-1605 pp. [Matsubara, K. 1955. Fish morphology and hierarchy. Ishizaki-shoten, Tokyo. Part 2: vi+791-1605 pp. (In Japanese)]

尼岡邦夫・仲谷一宏・矢部 衛. 2011. 北海道の全魚類図鑑. 北海道新聞社, 札幌. 482 pp. [Amaoka, K., Nakaya, K. and Yabe, M. 1995. Fishes of Hokkaido. The Hokkaido Shimbun Press, Sapporo. 482 pp. (In Japanese)]

中坊徹次 (編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Sebastiscus tsuraara Tanaka, 1917 ツラアラ

Original description: Tanaka (1917): 10.

田中茂穂. 1917. 日本産魚類の十一新種. 動物学雑誌, 29 (339): 7-12. [Tanaka, S. 1917. Eleven new species of fish from Japan. Zoological Magazine Tokyo, 29 (339): 7-12. (In Japanese)]

Holotype (available): ZUMT 7437, off Misaki (Sagami Bay), Kanagawa Pref., Japan; Late November 1916; collected by Shigeo Tanaka. (相州三崎 大正 5 年 11 月下旬 田中茂穂採集)

Remarks: There is no holotype designation in the original description. The ZUMT specimen ledger had the only specimen ZUMT 7437 with the same scientific name and collection data. ZUMT 7437 is ? holotype (ICZN Art. 73.1.2). This specimen has two cloth tags with the registration number "7437" and "Tsurara Misaki, November 1918, new sp., type".

原記載にはホロタイプ指定がない。ZUMT 標本台帳には学名と収集データが一致する唯一の標本 ZUMT 7437 があつた。ZUMT 7437 がホロタイプである (ICZN Art. 73.1.2)。この標本に登録番号の「7437」と「ツラアラ 三崎 大正 5 年 11 月 new sp. type」と書かれた 2 つの布タグが付いている。

Current status: Synonym of *Sebastiscus marmoratus* (Cuvier, 1829) カサゴ

松原喜代松. 1955. 魚類の形態と検索 II. 石崎書店, 東京. vi+791-1605 pp. [Matsubara, K. 1955. Fish morphology and hierarchy. Ishizaki-shoten, Tokyo. Part 2: vi+791-1605 pp. (In Japanese)]

中坊徹次・町田吉彦・山岡耕作・西田清徳 (編). 2001. 以布利 黒潮の魚. 大阪海遊館, 大阪. 300 pp. [Nakabo, T., Machida, Y., Yamaoka, K. and Nishida, K. (eds). 2001. Fishes of the Kuroshio Current, Japan. Osaka Aquarium KAIYUKAN, Osaka. 300pp. (In Japanese and English)]

中坊徹次 (編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Scorpaenidae フサカサゴ科

Pterois paucispinula Matsunuma & Motomura, 2014 ミズヒキミノカサゴ

Original description: 329, Figs. 2–3, 11a.

Matsunuma, M. and H. Motomura 2014. *Pterois paucispinula*, a new species of lionfish (Scorpaenidae: Pteroinae) from the western Pacific Ocean. *Ichthyological Research*, 62 (3): 327–346. [First published online, p. 1–20; printed version appeared on 30 Apr. 2015.]

Paratype (available): ZUMT 46873 (1), Collection site unknown.

Current status: Valid as *Pterois paucispinula* Matsunuma & Motomura, 2014 ミズヒキミノカサゴ

松沼瑞樹・本村浩之. 2011. ミノカサゴ亜科魚類ミズヒキミノカサゴ(新称) *Pterois mombasae* の日本からの初記録および近縁種 *Pterois antennata* との形態比較. *魚類学雑誌*, 58 (1): 27–40. [Matsunuma, M. and Motomura, H. 2011. First records of a lionfish, *Pterois mombasae* (Scorpaenidae: Pteroinae), from Japan, and morphological comparisons with *P. antennata*. *Japan. J. Ichthyol.*, 58 (1): 27–40. (In Japanese)]

松沼瑞樹・藍澤正宏・桜井 雄・本村浩之. 2011. ミズヒキミノカサゴ *Pterois mombasae* (フサカサゴ科) の屋久島からの記録および国内におけるミズヒキミノカサゴと *P. antennata* の分布状況. *Nature of Kagoshima*, 37: 3–8. [Matsunuma M, Aizawa M, Sakurai Y, Motomura, H. 2011. Record of a lionfish, *Pterois mombasae* (Smith, 1957), from Yaku-shima Island, southern Japan, and notes on distributional implications of the species and *P. antennata* in Japan. *Nat Kagoshima*, 37:3–8. (In Japanese)]

Matsunuma, M. and Motomura, H. 2018. Redescription and geographic variations of *Pterois antennata* and first record of *Pterois paucispinula* from French Polynesia (Scorpaenidae: Pteroinae). *Species Diversity*, 23: 95–114.

Pterois tanabensis Tanaka, 1918 タナベミノ

Original description: Tanaka (1918): 225.

田中茂穂. 1918. 日本産魚類の十二新種. *動物学雑誌*, 30 (356): 223–227. [Tanaka, S. 1918. Twelve new species of Japanese fishes. *Zoological Magazine Tokyo*, 30 (356): 223–227. (In Japanese)]

Holotype (lost): ZUMT uncatalogued, Tanabe, Wakayama Pref., Japan; collected by Nuizo Ui. (紀伊國田邊 [和歌山県田辺市] 宇井縫蔵採集)

Remarks: There is no holotype information in the original description. There is no specimen in the ZUMT specimen ledger that matches the scientific name and the collection data. No specimen should be confirmed to be the holotype that matches the description.

原記載にはホロタイプの情報がない。ZUMT 標本台帳には学名と収集データが一致する標本がない。記載に一致するホロタイプとなるべき標本は確認できなかった。

Current status: Synonym of *Parapterois heterura* (Bleeker, 1856) セトミノカサゴ

Motomura, H. 2004. Morphological comparison of a poorly known scorpionfish, *Parapterois macrura*, with a related species, *P. heterura* (Scorpaenidae: Pteroinae). *Zoological Studies*, 43 (1): 1–7.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. *Fishes of Japan with pictorial keys to the species I–III, third edition*. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Psomadakis, P., Thein, H., Russell, B. C. and Tun, M. T. 2020. Field identification guide to the living marine resources of Myanmar. FAO species identification guide for fishery purposes. Food and Agriculture Organization of the United Nations, and Department of Fisheries, Ministry of Agriculture, Livestock and Irrigation, Republic of the Union of Myanmar, Rome. xvii + 694 pp., pls. 58.

Matsunuma, M. and Motomura, H. 2021. Revision of the genus *Parapterois* (Scorpaenidae: Pteroinae) and resurrection of *Parapterois nigripinnis* (Gilchrist 1904). *Ichthyological Research*, 69 (4): 401–432.

Sebastella littoralis Tanaka, 1917 イソカサゴ

Original description: Tanaka (1917): 10.

田中茂穂. 1917. 日本産魚類の十一新種. 動物学雑誌, 29 (339): 7–12. [Tanaka, S. 1917. Eleven new species of fish from Japan. Zoological Magazine Tokyo, 29 (339): 7–12. (In Japanese)]

Holotype (available): ZUMT 7439, off Misaki (Sagami Bay), Kanagawa Pref., Japan; November 1916; collected by Shigeho Tanaka. (相州三崎 大正 5 年 11 月 田中茂穂採集)

Remarks: There is no holotype designation in the original description. There is no scientific name that matches the scientific name from the ZUMT specimen ledger, but the genus name "*Sebastella*" described in the new genus matches. The collection data of ZUMT 7439, "Collection by Shigeho Tanaka in November 1918, Sagami Misaki" is consistent with the original description. Specimen ZUMT 7439 had three cloth tags with registration numbers "7439", "Misaki" and "Sketch No. 327 Isokasago". The Japanese name "Isokasago" for this cloth tag was originally proposed. ZUMT 7439 is the only specimen that matches the original description and is holotype (ICZN Art. 73.1.2).

The specimen illustrated as *Sebastopsis guamensis* in Tanaka's (1928) Figures and descriptions of the fishes of Japan (42: 825–830, pl. 174, fig. 480. ZUMT 7439) is holotype of this species.

原記載にはホロタイプの指定がない。ZUMT 標本台帳から学名に一致するものはないが、新属で記載された属名「*Sebastella*」が一致した ZUMT 7439 の収集データは、「相州三崎、大正 5 年 11 月、田中茂穂採集」とあり、原記載と一致する。標本 ZUMT 7439 には登録番号「7439」、「三崎」と「写生番号 327 号 イソカサゴ」の 3 つの布タグが付いていた。この布タグの和名「イソカサゴ」は原記載で提唱されたもの。ZUMT 7439 は原記載に一致する唯一の標本で、ホロタイプである (ICZN Art. 73.1.2)。

田中 (1928) の日本産魚類図説 (42: 825–830, pl. 174, fig. 480. ZUMT 7439) に *Sebastopsis guamensis* と図示した標本は、本種のホロタイプである。

Current status: Synonym of *Scorpaenodes evides* (Jordan & Thompson, 1914) イソカサゴ

田中茂穂. 1928. 日本産魚類図説, 42: 809–830, pls. 172–174. [Tanaka, S. 1928. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 42: 809–830, pls. 172–174. (In Japanese and English)]

中坊徹次・町田吉彦・山岡耕作・西田清徳 (編). 2001. 以布利 黒潮の魚. 大阪海遊館, 大阪. 300 pp. [Nakabo, T., Machida, Y., Yamaoka, K. and Nishida, K. (eds). 2001. Fishes of the Kuroshio Current, Japan. Osaka Aquarium KAIYUKAN, Osaka. 300 pp. (In Japanese and English)]

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫 (編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

Motomura, H., Arsuwan, S. and Musikasinthorn, P. 2010. *Thysanichthys evides*, a senior synonym of *Sebastella littoralis*, and a valid species of *Scorpaenodes* (Actinopterygii: Scorpaenidae). Species Diversity, 15: 71–81.

中坊徹次 (編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Aploactinidae イボオコゼ科

Kanekonia florida Tanaka, 1915 ハナチゴオコゼ

Original description: Tanaka (1915): 566.

田中茂穂. 1915. 日本産魚類の十新種. 動物学雑誌, 27 (325): 565–568. [Tanaka, S. 1915. Ten new species of Japanese fishes. Zoological Magazine Tokyo, 27 (325): 565–568. (In Japanese)]

Lectotype (available): ZUMT 6544, Nagasaki Market, Nagasaki Pref., Japan; collected by Ichiro Kaneko. (長

崎市場 金子一狼採集)

Paralectotypes (available): ZUMT 6375 (2), same as holotype.

Remarks: There is no holotype designation in the original description. The ZUMT specimen ledger had two records, ZUMT 6375 and ZUMT 6544, which matched the scientific name and collection data. Tanaka (1918. Figures and descriptions of the fishes of Japan. 28: 510–513, pl. 136, fig. 380) mentioned that multiple specimens were collected by Kaneko Ichiro for the description of this species. Furthermore, ZUMT 6544 was specified as holotype, and it was re-described and illustrated.

This action is regarded as the designation of the name-bearing type from the syntypes, ZUMT 6544 becomes the lectotype, and ZUMT 6375 (2) become the paralectotypes (ICZN Art. 74.5).

原記載にはホロタイプの指定がない。ZUMT 標本台帳には、学名や収集データに一致する ZUMT 6375 と ZUMT 6544 の 2 つの記録があった。田中(1918)の日本産魚類図説(28: 510–513, pl. 136, fig. 380)には、金子一狼氏が本種の記載のために複数の標本を採集したことに言及した。さらに、ZUMT 6544 をホロタイプに指定し、再記載と図示した。この行為はシタイプから担名タイプの指定(ここではホロタイプ)と見なされ、ZUMT 6544 はレクトタイプとなり、ZUMT 6375(2) はパラレクトタイプとなる(ICZN Art. 74.5)。

Current status: Valid as *Kanekonia florida* Tanaka, 1915 ハナチゴオコゼ

田中茂穂. 1918. 日本産魚類図説, 28: 495–514, pls. 136–137. [Tanaka, S. 1918. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 28: 495–514, pls. 136–137. (In Japanese and English)]

Poss, S. G. 1982. A new aploactinid fish of the genus *Kanekonia* from Indonesia and redescription of *K. florida*. Japanese Journal of Ichthyology, 28 (4): 375–380.

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Platycephalidae コチ科

Thysanophrys megacephalus Tanaka, 1917 ハナメゴチ

Original description: Tanaka (1917): 11.

田中茂穂. 1917. 日本産魚類の十一新種. 動物学雑誌. 29 (339): 7–12. [Tanaka, S. 1917. Eleven new species of fish from Japan. Zoological Magazine Tokyo, 29 (339): 7–12. (In Japanese)]

Holotype (lost): ZUMT uncatalogued, Tokyo Market, Japan.

Remarks: There is no holotype designation in the original description. There was no registered specimen in the ZUMT specimen ledger that matched the scientific name “*Thysanophrys megacephalus*” and the collection data “Tokyo Market”. There are no specimens that match the description in the ZUMT collection.

原記載にはホロタイプの指定がない。ZUMT 標本台帳には、学名「*Thysanophrys megacephalus*」と採集地「東京市場」に一致する登録標本がなかった。ZUMT コレクションにも、記載に一致するホロタイプとなるべき標本は確認できなかった。

Current status: Valid as *Ratabulus megacephalus* (Tanaka, 1917) ハナメゴチ

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

- 岡村 収(編). 1985. 沖縄舟状海盆及び周辺海域の魚類 II. 日本水産資源保護協会, 東京. 417-781 pp. [Okamura, O. (ed). 1985. Fishes of the Okinawa Trough and the adjacent waters II. Japan Fisheries Resource Conservation Association, Tokyo. 417-781 pp. (In Japanese and English; various authors)]
- 山田梅芳・田川 勝・岸田周三・本城康至. 1986. 東シナ海・黄海のさかな. 西海区水産研究所, 長崎. xxvi + 502 pp. [Yamada, U., Tagawa, M., Kishida, S. and Honjo, K. 1986. Fishes of the East China Sea and the Yellow Sea. Seikai Regional Fisheries Research Laboratory, Nagasaki. xxvi + 502 pp. (In Japanese)]
- Imamura, H. and Gomon, M. F. 2010. Taxonomic revision of the genus *Ratabulus* (Teleostei: Platycephalidae), with descriptions of two new species from Australia. *Memoirs of the Museum of Victoria*, 67: 19–33.
- 中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Cottoidei カジカ亜目

Ereuniidae トリカジカ科

Ereunias grallator Jordan & Snyder, 1901

Original description: Jordan and Snyder (1901): 378, pl. 18.

Jordan, D. S. and Snyder, J. O. 1901. Descriptions of two new genera of fishes (*Ereunias* and *Draciscus*) from Japan. *Proceedings of the California Academy of Sciences (Series 3)*, 2 (7–8): 377–380, pls. 18–19.

Paratype (lost): ZUMT 5211 (1), off Misaki (Sagami Bay), Kanagawa Pref., Japan; collected by Kumakichi Aoki.

Remarks: The original description says “One of these specimens is in the Imperial University of Tokyo”, and the location of the paratype is ZUMT. The ZUMT specimen ledger had the only specimen ZUMT 5211 that matched the scientific name and collection data (Sagami Bay). Specimen's current whereabouts is/are unknown.

原記載に「One of these specimens is in the Imperial University of Tokyo」とあり、パラタイプのは ZUMT である。ZUMT 標本台帳には、学名や収集データ(相模湾)に唯一 ZUMT 5211 が一致した。現在、標本の所在は不明。

Current status: Valid as *Ereunias grallator* Jordan & Snyder, 1901 トリカジカ

岡村 収・尼岡邦夫・三谷文夫(編). 1982. 九州一パラオ海嶺ならびに土佐湾の魚類. 日本水産資源保護協会, 東京, 436pp. [Okamura, O., Amaoka, K. and Mitani, F. (eds). 1982. Fishes of the Kyushu-Palau Ridge and Tosa Bay. The intensive research of unexploited fishery resources on continental slopes. Japan Fisheries Resource Conservation Association, Tokyo. 436pp. (In Japanese and English; various authors)]

岡村 収(編). 1985. 沖縄舟状海盆及び周辺海域の魚類 II. 日本水産資源保護協会, 東京. 417–781 pp. [Okamura, O. (ed). 1985. Fishes of the Okinawa Trough and the adjacent waters II. Japan Fisheries Resource Conservation Association, Tokyo. 417-781 pp. (In Japanese and English; various authors)]

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Cottidae カジカ科

Artediellus dydymovi Soldatov, 1915

Original description: Soldatov (1915): 157, fig. 1.

Soldatov, V. K. 1915. Two new species of *Artediellus* (Cottidae) from Tartar Strait and Okhotsk Sea. *Ezhegodnik, Zoologicheskago Muzeya Imperatorskoi Akademii Nauk*, 20 (for 1915): 155-161.

Paratype (available): ZUMT 61499 (1), Tatar Strait, 49°28'10"N, 140°39'30"E, Russia, northern Sea of Japan; 25 Aug. 1911; collected by V. Soldatov.

Remarks: The label of the specimen says that it was collected from the same place as the type locality: Tatar Strait, 49°28'10"N, 140°39'30"E, and there is also a description of "Co-type". The original description says "Type, a male specimen 71 mm, long from station 61 and many cotypes from different stations of Tartan Strait and Okhotsk Sea." "Cotypes" in the original description is used to mean paratypes. This ZUMT 61499 is a paratype of *Artediellus dydymovi* Soldatov 1915. (ICZN Art. 72.4.5)

標本のラベルには、タイプ産地と同じ採集地 Tatar Strait, 49°28'10"N, 140°39'30"Eとあり、"Co-type"の記述もあった。原記載には、"Type, a male specimen 71 mm, long from station 61 and many cotypes from different stations of Tartan Strait and Okhotsk Sea."とあり、原記載の"cotypes"はパラタイプの意味で使われており、ZUMT 61499 は *Artediellus dydymovi* Soldatov, 1915 のパラタイプとなる(ICZN Art. 72.4.5)

Current status: Valid as *Artediellus dydymovi* Soldatov, 1915 コブオキカジカ

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

Nelson, D. W. 1986. Two new species of the cottid genus *Artediellus* from the western North Pacific Ocean and the Sea of Japan. Proceedings of the Academy of Natural Sciences of Philadelphia, 138 (1): 33-45.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

園山貴之・荻本啓介・堀 成夫・内田喜隆・河野光久. 2020. 証拠標本および画像に基づく山口県日本海産魚類目録. 鹿児島大学総合研究博物館研究報告, 11: 1-152. [Sonoyama, T., Ogimoto, K., Hori, S., Uchida, Y. and Kawano, M. 2020. An annotated checklist of marine fishes of the Sea of Japan off Yamaguchi Prefecture, Japan, with 74 new records. Bulletin of the Kagoshima University Museum, 11: 1-152. (In Japanese with English abstract)]

Dyldin, Yu. V., Fricke, R., Hanel, L., Vorobiev, D. S., Interesova, E. A., Romanov, V. I. and Orlov, A. M. 2021. Freshwater and brackish water fishes of Sakhalin Island (Russia) in inland and coastal waters: an annotated checklist with taxonomic comments. Zootaxa, 5065 (1): 1-92.

Dyldin, Yu. V. and Orlov, A. M. 2022. Annotated list of ichthyofauna of inland and coastal waters of Sakhalin Island. 4. Families Triglidae—Agonidae. Journal of Ichthyology, 62 (1): 34-68.

Icelus omodakae Tanaka, 1915 オモダカカジカ

Original description: Tanaka (1915): 616.

田中茂穂. 1915. 日本産魚類の二新種. 動物学雑誌, 27 (326): 615-616. [Tanaka, S. 1915. Two new species of Japanese fishes. Zoological Magazine Tokyo, 27 (326): 615-616. (In Japanese)]

Syntypes (lost): ZUMT 6420 (1), ZUMT 6449 (1), ZUMT 6450 (1), 50 nautical miles off the coast of Cape Hino, Shimane Pref., Japan; 120 fathoms (120 hiro) depth; donated by Keinosuke Omodaka, Director of the Shimane Prefectural Fisheries Experimental Station on 13 July 1915. (日御崎沖 50 海里 水深 120 尋 大正 4 年 7 月 13 日 島根県水産試験場長 面高慶之助氏寄贈)

Remarks: Since the original description is based on 3 specimens, these are syntypes. From the ZUMT specimen ledger, there were 3 samples ZUMT 6420 and ZUMT 6449-6550 that matched the scientific name and collection data. In the description of ZUMT 6420, "type, D. IX-21, A. 16" was added by Tanaka's autograph. The description of ZUMT 6449-6550 says "same kind as 06420".

原記載は 3 標本に基づいているため、これらはシタイプとなる (ICZN Art. 72.1.1, 72.4.1.1, 73.2)。ZUMT 標本台帳から学名や収集データに一致する 3 標本 ZUMT6420 と ZUMT 6449 と 6550 があつた。ZUMT 6420 の

記述には、田中の直筆で「type, D. IX-21, A. 16」と加筆されていた。ZUMT 6449-6550 の記述に、「06420 と同種」とある。

Current status: Synonym of *Icelus cataphractus* (Pavlenko, 1910) コオリカジカ

Nelson, D. W. 1984. Systematics and distribution of cottid fishes of the genera *Rastrinus* and *Icelus*. Occasional Papers of California Academy of Sciences, 138: 1-58.

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Porocottus ijimai Tanaka, 1908 イイジマカジカ

Original description: Tanaka (1908a): 39 [244], pl. 3 (figs. 3-4).

田中茂穂. 1908a (15 Feb.). 飯島博士採集南樺太の魚類に就いて. 動物学雑誌, 20 (232): 33-47, pl. 3. [Tanaka, S. 1908a. About the fish that Prof. Ijima collected in southern Sakhalin. Zoological Magazine Tokyo, 20 (232): 33-47, pl. 3. (In Japanese)]

Holotype (available): ZUMT 1388, Susuya River Estuary, Korsakov Port, Sakhalin Region, Russia; 15 May 1906; collected by Isao Iijima. (サハリン州コルサコフ港内ススヤ川河口)

Paratype (available): ZUMT 1389 (1), same as holotype.

Remarks: Two papers on this species were published in 1908, one in Japanese (1908a) and one in English (1908b). The publication date is February 15, 1908 for the Japanese version and June 20, 1908 for the English version and the Japanese version is the original entry (ICZN Art. 23.1). The original holotype was ZUMT 1388, and the paratype ZUMT 1389. Although the circumstances are unknown, the holotype was re-registered as ZUMT 21700 and the paratype was re-registered as ZUMT 21701. To avoid confusion, the registration number has been changed as originally written. ZUMT21700 and 21701 will no longer be used.

The original description is that there are 3 paratype specimens, and it is ZUMT 1389 from the ZUMT specimen register. One individual of paratype ZUMT 1389 with body length 208 mm SL has been registered. Tanaka (1908b)'s measurement table shows holotype specimen A and three paratype specimens B to D. ZUMT 1389 falls under Specimen C based on its body length, and was collected at the mouth of the Susuya River. The remaining two paratypes are registered in FMNH 71846 at the Field Museum of Natural History, Chicago. According to the measurement table of Tanaka (1908b), the individual with 8 dorsal spines is specimen B, and the collection location is the Susuya River estuary; 15 May 1906; collected by Isao Iijima., and the specimen with 9 dorsal spines is specimen D, and the collection location is off the coast of Chipesani (Ogyolskoye) 15 Aug. 1906; collected by Isao Iijima.

本種は 1908 年に和文(1908a)と英文(1908b)の 2 論文が発行。刊行日は和文版が 1908 年 2 月 15 日、英文版が 1908 年 6 月 20 日であり、和文版が原記載となる(ICZN Art. 23.1)。原記載のホロタイプは ZUMT 1388、パラタイプ ZUMT 1389 である。経緯は不明であるが、ホロタイプは ZUMT 21700 に、パラタイプが ZUMT 21701 に再登録されていた。混乱を避けるため登録番号を原記載のとおりにした。今後、ZUMT21700 と 21701 は使用しない。

原記載はパラタイプ 3 標本あり、ZUMT 標本台帳から ZUMT 1389 と判断した。現在、パラタイプ ZUMT 1389 は体長 208 mm SL の 1 個体が登録されている。Tanaka (1908b)の計測表にはホロタイプの標本 A の他に標本 B から D のパラタイプ 3 個体が示されている。パラタイプ ZUMT 1389 は、体長から標本 C に該当し、採集地はススヤ川河口である。残り 2 件のパラタイプは、Field Museum of Natural History, Chicago の FMNH 71846 に登録されている。Tanaka (1908b)の計測表から背鰭棘数が 8 棘の個体は、標本 B であり採集地はス

スヤ川河口、背鰭棘数が9棘の個体は、標本Dとなり採集地は、チペサニ沖(オジョルスコエ)である。

Current status: Synonym of *Megalocottus taeniopterus* (Kner, 1868) クロカジカ

Tanaka, S. 1908b (20 June). Notes on a collection of fishes made by Prof. Ijima in the southern parts of Sakhalin. *Annotationes Zoologicae Japonenses*, 6: 235–254, pl. 9.

Dyldin, Yu. V. and Orlov, A. M. 2017. Ichthyofauna of fresh and brackish waters of Sakhalin Island: an annotated list with taxonomic comments: 3. Gadidae—Cryptacanthodidae families. *Journal of Ichthyology*, 57 (1): 53–88.

Porocottus nigrescens Tanaka, 1908 クロカジカ

Original description: Tanaka (1908a): 37 [241], pl. 3 (figs. 1–2).

田中茂穂. 1908a (15 Feb.). 飯島博士採集南樺太の魚類に就いて. *動物学雑誌*, 20 (232): 33–47, pl. 3. [Tanaka, S. 1908a. About the fish that Prof. Ijima collected in southern Sakhalin. *Zoological Magazine Tokyo*, 20 (232): 33–47, pl. 3. (In Japanese)]

Holotype (available): ZUMT 1387, southern part of Sakhalin Oblast, Russia; May–Sept. 1906; collected by Isao Iijima.

Remarks: Two papers on this species were published in 1908, one in Japanese (1908a) and one in English (1908b). The publication date is February 15, 1908 for the Japanese version and June 20, 1908 for the English version and the Japanese version is the original entry (ICZN Art. 23.1). The holotype originally described is ZUMT 1387. Although the circumstances are unknown, the holotype was re-registered as ZUMT21699. To avoid confusion, the registration number has been changed as originally written. ZUMT21699 will no longer be used.

本種は1908年に和文と英文の2論文が発行。刊行日は和文版が1908年2月15日、英文版が1908年6月20日であり、和文版が原記載となる(ICZN Art. 23.1)。原記載のホロタイプは、ZUMT 1387である。経緯は不明であるが、ホロタイプはZUMT 21699に再登録されていた。混乱を避けるため登録番号を原記載のとおりにした。今後、ZUMT 21699は使用しない。

Current status: Synonym of *Megalocottus taeniopterus* (Kner, 1868) クロカジカ

Tanaka, S. 1908b (20 June). Notes on a collection of fishes made by Prof. Ijima in the southern parts of Sakhalin. *Annotationes Zoologicae Japonenses*, 6: 235–254, pl. 9.

Dyldin, Yu. V. and Orlov, A. M. 2017. Ichthyofauna of fresh and brackish waters of Sakhalin Island: an annotated list with taxonomic comments: 3. Gadidae—Cryptacanthodidae families. *Journal of Ichthyology*, 57 (1): 53–88.

Vellitor minutus Iwata, 1983 ヒメスイ

Original description: Iwata (1983): 2, figs. 1, 2 (A–B), 3 (A, C).

Iwata, A. 1983. A revision of the cottid fish genus *Vellitor*. *Japanese Journal of Ichthyology*, 30 (1): 1–9.

Paratype (available): ZUMT 54267 (1), Kominato (35°07'N, 140°11'E), Chiba Pref., Japan; February 26, 1976.

Paratype (available): ZUMT 54268 (1), same area as ZUMT 54267, dated 20 July 1976.

Paratype (available): ZUMT 54269 (1), same area as ZUMT 54267, dated 29 January 1977.

Paratype (available): ZUMT 54270 (1), same area as ZUMT 54267, dated 7 July 1977.

Paratype (available): ZUMT 54271 (1), same area as ZUMT 54267, dated 12 August 1977.

Current status: Valid as *Vellitor minutus* Iwata, 1983 ヒメスイ

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東

京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]
中坊徹次 (編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Psychrolutidae ウラナイカジカ科
Dasycottus japonicus Tanaka, 1914 カエルカジカ

Original description: Tanaka (1914): 308, pl. 83 (fig. 280).

田中茂穂. 1914. 日本産魚類図説, 18: 295-318, pls. 86-90. [Tanaka, S. 1914. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 18: 295-318, pls. 86-90. (In Japanese and English)]

Holotype (available): ZUMT 3916, Niigata Pref., Japan.

Remarks: The original description specified ZUMT 3916 as the holotype. The specimen has two cloth tags with the registration number "3916" and "Sketch No. 19".

原記載はホロタイプに ZUMT 3916 を指定した。標本には登録番号の「3916」と「写生番号 19 号」が 2 つの布タグが付いている。

Current status: Synonym of *Dasycottus setiger* Bean, 1890 ガンコ

松原喜代松. 1955. 魚類の形態と検索 II. 石崎書店, 東京. vi+791-1605 pp. (Matsubara, K. 1955. Fish morphology and hierarchy. Ishizaki-shoten, Tokyo. Part 2: vi+791-1605 pp. (In Japanese)]

尼岡邦夫・仲谷一宏・新谷久男・安井達夫 (編). 1983. 東北海域・北海道オホーツク海域の魚類. 日本水産資源保護協会, 東京. 327 pp. [Amaoka, K., Nakaya, K., Araya, H. and Yasui, T. (eds). 1983. Fishes from the north-eastern Sea of Japan and the Okhotsk Sea off Hokkaido. Japan Fisheries Resource Conservation Association, Tokyo. 327 pp. (In Japanese and English; various authors)]

益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫 (編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]

中坊徹次 (編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Cyclopteridae ダンゴウオ科
Cyclolumpus asperimus Tanaka, 1912 コンペイトオ

Original description: Tanaka (1912): 86, pl. 21 (Figs. 80-83).

田中茂穂. 1912. 日本産魚類図説, 5: 71-86 + 1 errata page, pls. 21-25. [Tanaka, S. 1912. Figures and descriptions of the fishes of Japan including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea, and Southern Sakhalin, 5: 71-86 + 1 errata page, pls. 21-25. (In Japanese and English)]

Holotype (lost): ZUMT uncatalogued (dry), Niigata, Echigo Province, western coast of Honshu, Japan.

Remarks: There are no corresponding specimen records in the ZUMT specimen ledger, and no specimens matching the description have been confirmed in the ZUMT collection.

ZUMT 標本台帳に該当する標本の記録がなく、ZUMT コレクションにも記載に一致する標本は確認できていない。

Current status: Valid as *Eumicrotremus asperrimus* (Tanaka, 1912) コンペイトウ
尼岡邦夫・仲谷一宏・新谷久男・安井達夫(編). 1983. 東北海域・北海道オホーツク海域の魚類. 日本水産資源保護協会, 東京. 327 pp. [Amaoka, K., Nakaya, K., Araya, H. and Yasui, T. (eds). 1983. Fishes from the north-eastern Sea of Japan and the Okhotsk Sea off Hokkaido. Japan Fisheries Resource Conservation Association, Tokyo, 327 pp. (In Japanese and English; various authors)]
益田 一・尼岡邦夫・荒賀忠一・上野輝彌・吉野哲夫(編). 1984. 日本産魚類大図鑑. 東海大学出版会, 東京. xx + 448 pp., 370 pls. [Masuda, H., Amaoka, K., Araga, C., Uyeno, T. and Yoshino, T. (eds). 1984. The fishes of the Japanese Archipelago. Tokai University Press, Tokyo. xx + 448 pp., 370 pls.]
中坊徹次(編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]
Stevenson, D. E., Mecklenburg, C. W. and Kai, Y. 2017. Taxonomic clarification of the *Eumicrotremus asperrimus* species complex (Teleostei: Cyclopteridae) in the eastern North Pacific. *Zootaxa*, 4294 (4): 419–435.

Liparididae クサウオ科

Careproctus okadae Tanaka, 1916 ホシビクニン

Original description: Tanaka (1916): 174.

田中茂穂. 1916. 日本産魚類の四新種. 動物学雑誌, 28 (331): 173–174. [Tanaka, S. 1916. Four new species of Japanese fishes. *Zoological Magazine Tokyo*, 28 (331): 173–174. (In Japanese)]

Holotype (available): ZUMT 7080, off Moroiso, Misaki (Sagami Bay), Kanagawa Pref., Japan; 5 April 1916; collected by Yaichiro Okada. (相州諸磯濱 大正 5 年 4 月 5 日 岡田彌一郎採集)

Remarks: There is no holotype designation in the original description. From the ZUMT specimen ledger, the only specimen that matches the collection site "Moroiso", the collector "Okada", and the collection date "5 April 1918" is the ZUMT 7080. This specimen is holotype (ICZN Art. 73.1.2).

原記載にはホロタイプ指定がない。ZUMT 標本台帳から採集地「諸磯濱」、採集者「岡田」、採集日「大正 5 年 4 月 5 日」に一致する唯一の標本は ZUMT 7080 である。この標本がホロタイプとなる(ICZN Art. 73.1.2)。

Current status: Synonym of *Liparis punctulatus* (Tanaka, 1916) スナビクニン

Abe, T. 1955. New, rare or uncommon fishes from Japanese waters. III. Description, redescription and records of rare fishes of the genus *Liparis*. *Bulletin of the Biogeographical Society of Japan*, 16–19: 319–325.

Kido, K. 1988. Phylogeny of the family Liparididae, with the taxonomy of the species found around Japan. *Memoirs of the Faculty of Fisheries, Hokkaido University*, 35 (2): 125–256.

Chernova, N. V., Stein, D. L. and Andriashev, A. P. 2004. Family Liparidae Scopoli 1777 – snailfishes. *California Academy of Sciences Annotated Checklists of Fishes*, (31): 1–72.

Chernova, N. V. 2008. Systematics and phylogeny of fish of the genus *Liparis* (Liparidae, Scorpaeniformes). *Journal of Ichthyology*, 48 (10): 831–852.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I-III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I-III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Careproctus punctulatus Tanaka, 1916 スナビクニン

Original description: Tanaka (1916): 174.

田中茂穂. 1916. 日本産魚類の四新種. 動物学雑誌, 28 (331): 173–174. [Tanaka, S. 1916. Four new species of Japanese fishes. *Zoological Magazine Tokyo*, 28 (331): 173–174. (In Japanese)]

Holotype (available): ZUMT 7079, off Bishamon, Misaki (Sagami Bay), Kanagawa Pref., Japan; 28 March 1916; collected by Yaichiro Okada. (相州三崎付近毘沙門 大正 5 年 3 月 28 日 岡田彌一郎採集)

Remarks: There is no holotype designation in the original description. The only specimen that matches the collection site "Misaki, Bishamon" of the ZUMT specimen ledger, the collector "Okada", and the collection date "March 28, 1918" is ZUMT 7079. This specimen is holotype (ICZN Art. 73.1.2).

原記載にホロタイプ指定がない。ZUMT 標本台帳の採集地「三崎、毘沙門」、採集者「岡田」、採集日「大正 5 年 3 月 28 日」に一致する唯一の標本は ZUMT 7079 である。この標本がホロタイプである(ICZN Art. 73.1.2)。

Current status: Valid as *Liparis punctulatus* (Tanaka, 1916) スナビクニン

Abe, T. 1955. New, rare or uncommon fishes from Japanese waters. III. Description, redescription and records of rare fishes of the genus *Liparis*. Bulletin of the Biogeographical Society of Japan, 16–19: 319–325.

Kido, K. 1988. Phylogeny of the family Liparididae, with the taxonomy of the species found around Japan. Memoirs of the Faculty of Fisheries, Hokkaido University, 35 (2): 125–256.

Chernova, N. V., Stein, D. L. and Andriashev, A. P. 2004. Family Liparidae Scopoli 1777 – snailfishes. California Academy of Sciences Annotated Checklists of Fishes, (31): 1–72.

Chernova, N. V. 2008. Systematics and phylogeny of fish of the genus *Liparis* (Liparidae, Scorpaeniformes). Journal of Ichthyology, 48 (10): 831–852.

中坊徹次 (編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Careproctus sarasa Tanaka, 1916 サラサビクニン

Original description: Tanaka (1916): 174.

田中茂穂. 1916. 日本産魚類の四新種. 動物学雑誌, 28 (331): 173–174. [Tanaka, S. 1916. Four new species of Japanese fishes. Zoological Magazine Tokyo, 28 (331): 173–174. (In Japanese)]

Holotype (available): ZUMT 7017, probably Toba, Mie Pref., Japan; collected by Hisato Kuwano. (おそらく志州鳥羽 奈良女子高等師範学校教授 桑野久任採集)

Remarks: There is no holotype designation in the original description. The ZUMT 7017 is the only specimen that matches the collection site "probably Shishu Toba" and the collector "Hisato Kuwano" in the ZUMT specimen ledger. This specimen is holotype (ICZN Art. 73.1.2).

原記載にホロタイプ指定がない。ZUMT 標本台帳の採集地「おそらく志州鳥羽」や採集者「桑野久任」に一致する唯一の標本が ZUMT 7017 である。この標本がホロタイプとなる (ICZN Art. 73.1.2)。

Current status: Synonym of *Liparis punctulatus* (Tanaka, 1916) スナビクニン

Kido, K. 1988. Phylogeny of the family Liparididae, with the taxonomy of the species found around Japan. Memoirs of the Faculty of Fisheries, Hokkaido University, 35 (2): 125–256.

Chernova, N. V., Stein, D. L. and Andriashev, A. P. 2004. Family Liparidae Scopoli 1777 – snailfishes. California Academy of Sciences Annotated Checklists of Fishes, (31): 1–72.

Chernova, N. V. 2008. Systematics and phylogeny of fish of the genus *Liparis* (Liparidae, Scorpaeniformes). Journal of Ichthyology, 48 (10): 831–852.

中坊徹次 (編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Liparis franzi Abe, 1950 スジクサウオ

Original description: Abe (1950): 135, figs. 1–2

Abe, T. 1950. New, rare or uncommon fishes from Japanese waters. I. *Liparis franzi*, new name. Japanese Journal of Ichthyology, 1 (2): 135–139.

Paratype (available): ZUMT 30206 (1), Misaki, Kanagawa Pref., Japan; collected by Shigeho Tanaka.

Current status: Synonym of *Liparis punctulatus* (Tanaka, 1916) スナビクニン

Kido, K. 1988. Phylogeny of the family Liparididae, with the taxonomy of the species found around Japan. Memoirs of the Faculty of Fisheries, Hokkaido University, 35 (2): 125–256.

Chernova, N. V., Stein, D. L. and Andriashev, A. P. 2004. Family Liparidae Scopoli 1777 – snailfishes. California Academy of Sciences Annotated Checklists of Fishes, (31): 1–72.

Chernova, N. V. 2008. Systematics and phylogeny of fish of the genus *Liparis* (Liparidae, Scorpaeniformes). Journal of Ichthyology, 48 (10): 831–852.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]

Liparis punctulatus rutilus Abe, 1955 アカビクニン

Original description: Abe (1955): 323, fig. 4.

Abe, T. 1955. New, rare or uncommon fishes from Japanese waters. III. Description, redescription and records of rare fishes of the genus *Liparis*. Bulletin of the Biogeographical Society of Japan, 16–19: 319–325.

Paratypes (available): ZUMT 5547 (1), date unknown, but it was taken in Japan.

Current status: Synonym of *Liparis punctulatus* (Tanaka, 1916) スナビクニン

Kido, K. 1988. Phylogeny of the family Liparididae, with the taxonomy of the species found around Japan. Memoirs of the Faculty of Fisheries, Hokkaido University, 35 (2): 125–256.

Chernova, N. V., Stein, D. L. and Andriashev, A. P. 2004. Family Liparidae Scopoli 1777 – snailfishes. California Academy of Sciences Annotated Checklists of Fishes, (31): 1–72.

Chernova, N. V. 2008. Systematics and phylogeny of fish of the genus *Liparis* (Liparidae, Scorpaeniformes). Journal of Ichthyology, 48 (10): 831–852.

中坊徹次(編). 2013. 日本産魚類検索全種の同定 I–III, 第三版. 東海大学出版会, 秦野. 2530 pp. [Nakabo, T. (ed). 2013. Fishes of Japan with pictorial keys to the species I–III, third edition. Tokai University Press, Hadano. 2530 pp. (In Japanese)]