

東京大学総合研究博物館動物部門所蔵の海綿標本
(1) 六放海綿綱

**Report on the poriferan specimens deposited in the Department of Zoology,
the University Museum, the University of Tokyo**
(1) Hexactinellida

小川数也¹⁾・阿部 渉²⁾・上島 励^{2,3)}
Kazunari Ogawa¹⁾, Wataru Abe²⁾ and Rei Ueshima^{2,3)}

¹⁾中井研究室; Z. Nakai Laboratory, 2-53-11, Koenjiminami, Suginami-ku, Tokyo, 166-0003 Japan

²⁾東京大学大学院 理学系研究科; Department of Biological Sciences, Graduate School of Science, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo, 113-0033 Japan

³⁾Corresponding author: Reprint request to ruesday@biol.s.u-tokyo.ac.jp

目次

緒言	2
六放海綿標本の概要	3
タイプ標本について	4
当博物館にタイプ標本が存在する六放海綿類	6
タイプ標本が国外にある六放海綿類	9
タイプ標本の所在を確認できなかった六放海綿類	11
1) タイプ標本が不明の分類群	11
2) タイプ標本が紛失した分類群	12
Manuscript name と未記載種候補	13
異物同名と新置換名の提唱	14
謝辞	14
東京大学総合研究博物館動物部門所蔵の六放海綿標本リスト	15
引用文献	112
参考資料. 飯島魁と岡田弥一郎が発表した六放海綿の論文および 記載した種 (亜種) の一覧	113
Summary	120
図版と説明	122

緒言

東京大学総合研究博物館動物部門に所蔵されている海綿標本は、明治から大正時代にかけて採集された標本(旧動物学教室所蔵標本)で、国内では最古、最大規模の海綿標本コレクションである。これらの海綿標本は相模湾・相模灘から採集されたものが多いが、この他にも、当時の伝により国内外の各地から集めた標本、Siboga号、Albatross号等の探検航海で採集された標本、海外の研究者からの寄贈または交換によって得られた外国の標本、化石等が含まれる。本海綿コレクションの中核をなす相模湾産の標本は、当時動物学教室の教授であった飯島魁が、日本初の臨海実験所である東京大学三崎臨海実験所を基点として行った精力的な調査で採集したものであり、伝説の採集人である青木熊吉が協力したことは有名である。当コレクションには相模湾産の六放海綿類の見事な標本が残されているが、現在はこの海域では漁法等の規制があるため、二度と採集できないものが多い。本海綿コレクションで最も注目すべきことは、飯島魁、岡田弥一郎、朴澤三二によって記載、命名された六放海綿、石灰海綿のタイプ標本が多数含まれていることである。これらのタイプ標本は分類学的研究の最重要資料であり、今日でも国内外の研究者からの照会が多い。このように当博物館所蔵海綿標本は、日本における動物学の黎明期を示す第一級の博物学的資料であるとともに、貴重な標本を数多く含んでおり、学術的価値はきわめて高い。

残念なことに、我国での分類学の衰退に伴って、この海綿標本コレクションは未整理のまま放置され、タイプ標本を含む多くの標本が所在不明となった。また、タイプ以外の標本に至っては、その存在すら認識されていない状況であった。そこで我々は、平成11年から当館動物部門所蔵の海綿標本についての本格的な調査を実施し、データベースの作成を行っている。今回は、本コレクション中で最も学術的価値が高い六放海綿類についての調査が終了したので、その結果を報告する。

本文では、当館動物部門所蔵の六放海綿標本を最近の分類体系 (Van Soest, *et al.*, 2008) に従って整理し、各種ごとに登録番号、産地、採集年月日等のラベル情報と標本の保存状態などの一覧を示すとともに、当館所蔵標本の学術的価値、タイプ標本の位置づけなどについて記述する。特にタイプ標本については、当コレクションに多数のタイプが含まれている上に、様々な種類のタイプ標本が混在し、命名規約上問題になる点や当博物館にはない標本も多いため、ラベル情報の問題などを含めて詳しく記述する。また、重要なタイプ標本については標本写真とラベルを図示する。さらに、異物同名(新参同名)であることが判明した *Hyalonema (Coscionema) ovatum* Okada, 1932 に対する新置換名を提唱する。なお今回の調査では、種レベルの同定は、原則として飯島、岡田のラベル表記に基づいているが、文献との照合や今回新たに作成した骨片のプレパラート観察により一部は種名を変更した。

六放海綿標本の概要

当館所蔵の六放海綿標本は、この分類群の世界的権威であった飯島魁と、その弟子である岡田弥一郎が研究した資料である。標本点数は当海綿コレクションの中で最も多いが、六放海綿が現生種の数ではむしろマイナーなグループであることを考えれば、当時の関係者が六放海綿を精力的に収集していたことが分かる。標本総数は813点(液浸470点、乾燥315点、化石28点)である。骨片のプレパラート標本はほとんど残っていない。合計で106点ものタイプ標本を含み、その中には原記載以来再発見されなかった種も含まれており、分類学には宝の宝庫とも言える重要な資料である。特に *Lonchiphora inversa* は、*Lonchiphora* 属のタイプ種であるが、Ijima (1927) が暫定的に行った簡単な記述のみしか知られていないため、長らく正体不明の幻の分類群とされていた (Reiswig, 2002)。今回の調査では本種のタイプ標本が発見されたため、*Lonchiphora* の詳細な特徴や分類学的位置が80年を経て初めて明らかになることが期待される。

本コレクションの大部分を占めるのは相模湾産の標本であるが、このほかにも、飯島が研究を担当した Siboga 号の採集標本、岡田弥一郎が担当した Albatross 号採集標本、Valdivia 号採集標本 (F. E. Schulze の寄贈あるいは交換標本と思われる)、外国産の化石標本 (A. Schrammen の寄贈標本と思われる) が含まれる。本六放海綿コレクションは多数のタイプ標本だけでなく、一世紀前の標本および再採集がきわめて困難な相模湾産の標本を数多く含むという点において、世界的にも類を見ない貴重なコレクションである。残念なことに、この六放海綿標本は保存状態がきわめて悪いものが多く、著しく破損した乾燥標本や、アルコールが蒸発した液浸標本も少なくない。また、少なからぬ数のタイプ標本が紛失していることが明らかになった。現存するタイプ標本も原記載時の写真と比較すると、見る影もないほどに傷んでしまったものが多いが、これらの標本が百年近くに渡って放置されてきたことを考えると、むしろ貴重なタイプ標本の一部がなんらかの形で残っていたことを評価するべきであろう。

今回の調査では、標本以外の資料として、飯島直筆のカードが大量に発見された (Pl. 14, figs. 1, 2)。このカードは飯島が個々の種についての形態学的特徴をまとめたもので、重要な分類形質である骨片のスケッチも描かれている。このカードには初期の研究対象種を欠いていることから、Siboga 号採集標本研究以降に作成されたものと思われる。このカードの内容は飯島の記載論文のもとになった”秘伝”であり、未発表の知見も多く含まれている。一例を挙げると、Topsent (1929) が相模湾産として新種記載した *Tretochone duplicata* は、最近になって Reiswig and Wheeler (2002) が再記載を行うまでは、骨格・骨片の特徴は知られていなかった。しかし、飯島カードには本種の詳細な骨格・骨片がすでに記録されていたことに驚かされる (Pl. 14, fig. 2)。骨片は海綿の最も重要な分類形質であるが、飯島や岡田が記載時に観察した骨片のプレパラート標本はほとんど残っていないため、骨片のスケッチや特徴が記されたカードはきわめて重要な資料である(骨片のプレパラートは UMUTZ-PorfH-H-20, H-564 の2点だけが現存しているが、封入剤が変性しているため観察不能である)。

タイプ標本について

飯島魁と岡田弥一郎は 137 種 (亜種を含む) もの六放海綿を新種または新亜種として記載した。これらのタイプ標本のほぼ全てが当博物館に保管されていることが期待されたが、今回の調査でタイプ標本が発見できたのは 75 種 (亜種) だけである。その詳細については後述するが、最初にこれらのタイプ標本の位置づけとそのラベル情報について述べておきたい。

飯島は初期の論文では新種記載の際にタイプ標本を指定せず、図示もしなかったため (Ijima, 1894; 1895; 1896; 1897; 1898)、この時期に記載された種はタイプ標本を原記載にもとづいて認識することができない。1901 年以降の論文になって、ようやく飯島は詳細な形態学的記載と図示を行うようになり、新種記載に用いた標本のデータ (標本番号、産地、個体数など) も記述するようになった。"type specimen" という表記が記載論文中で初めて登場するのは 1903 年であるが、1903 年以降も全ての新種記載で type specimen が必ずしも指定されるとは限らなかった。1903 年以降の論文では、それ以前に記載した種についても詳細な再記載を行うようになり、原記載に用いた標本 (タイプシリーズに該当する) のデータを記述するようになったため、原記載ではなく、その後の再記載の情報からタイプ標本を識別できたものも多い。

飯島自身は "holotype" なる語を使うことはなかったが、単一標本に基づいて新種を記載したことが原記載から示される場合と、原記載中で複数のタイプシリーズの中の 1 個体だけを the type specimen として他の標本から区別している場合については、国際動物命名規約に従ってホロタイプと認定した (ICZN 73.1.1, 73.1.2)。また、原記載が単一標本にもとづいて行われたことが後の論文に明記されている場合もホロタイプとして扱った。この他のタイプ標本では、別の研究者が後でレクトタイプを指定した 2 例 (Tabachnick, 2002; Reisinger and Wheeler, 2002) を除くと、すべてシタイプとして扱い、本文では新たなレクトタイプの指定は行わなかった (ICZN 74G)。

今回検討した標本には、飯島本人がラベルに "type" と明記したものが含まれている。このような標本の多くは命名規約上のタイプ標本と合致するが、一部はタイプ標本と呼べないものが含まれている (後述)。注目すべきことに、原記載時に複数個体のタイプシリーズがある場合には特定の標本のラベルだけに "type" と記されていることが多い (全ての場合ではない)。1903 年以降の原記載論文においても複数の検討標本がある場合には特定の標本 (多くの場合は最も状態の良い標本) だけを "the type" または "the type specimen" を呼んで区別している。これらのことから、飯島は "type specimen" という語を今日のホロタイプに近い意味で使っていたと推察される。しかしながら、今日の動物命名規約では「ホロタイプは原公表の中で原著者が指定する」必要があり (ICZN 73.1)、原著者による「ラベル上の type という表記」だけではホロタイプを決定するものではないため、本文では原著者のラベルの表記に関わらず国際動物命名規約第 4 版および追補にもとづいてタイプの再評価を行った。

また、通常のラベルとは別に、赤い線で縁取られたラベル (以下、赤ラベルと呼ぶ) が付いた標本もある。この赤ラベル本体、あるいは赤ラベルと共に付いていた通常ラベルには”type”と記されていることが多く、タイプ標本には赤い印を付けるという分類学的慣習があることから、飯島が”type specimen”に対して赤ラベルを使っていたことが明らかである。実際に、赤ラベルが付いていた標本は、命名規約上タイプ標本と認められたものと基本的には合致する。ただし、赤ラベルが付いていながらタイプ標本と認められない例もわずかに存在する。例えば、UMUTZ-PorfH-689 は 4 つの乾燥標本を台に突き刺した標本 (展示用?) で、台には”types”と書かれた赤ラベルが貼ってある。しかし、これらの標本はいずれも採集年月日が原記載の後であるため、タイプシリーズには該当しない (ICZN 72.1.1)。これは今日の命名規約が規定するタイプ標本の概念と飯島が意図していた”types”の意味が必ずしも一致しないことを示すものであろう。また UMUTZ-PorfH-271 [*Farrea clavigera* (Schulze, 1887)] にも赤ラベルが付いている。詳しいラベル情報がないので断定できないが、これは飯島が原記載者である F. E. Schulze から譲渡されたシタイプかパラタイプかも知れない。

また、飯島の”タイプ”標本のラベルには記載された種名と異なる学名が記されている場合がある。この中には新種名として準備していた未発表の manuscript (MS) name (最終的に、この名前で新分類群が正式に記載されることはなかった) がラベルに書かれていることがあり、注意が必要である。このようなケースで、タイプの位置づけが問題となる複雑な状況の 2 例について説明する。

1) UMUTZ-PorfH-288 には 2 枚のラベルがあり、赤ラベルには「**type spec. *Staurocalyptus japonicus***」、別のラベルには *Staurocalyptu crassifibratus* と記されている。ところが、この標本の旧登録番号 194 は *Staurocalyptus affinis* Ijima, 1904 のシタイプに合致する。さらに、*Staurocalyptus japonicus* なる名前は Ijima (1903) が「後で正式な記載を行う」と述べて図だけを示し、正式な記載が行われなかったものであるが、その時に図示された個体の旧登録番号 (403) がこの標本とは一致しない。この混乱した状況は、*Staurocalyptus affinis* Ijima, 1904 のもう一つのシタイプである UMUTZ-PorfH-793 のラベルを見ることで解決した。この標本にも 2 枚のラベルがあり、赤ラベルには「type specimen」と書かれ、種名として *japonicus* を消して後で *affinis* と書き直している。さらに通常ラベルにも「type specimen」と書かれているが、種名は最初に書いた名前 (判読不能) を消して *crassifibratus* と書き直した跡がある。これらの情報から以下のことが推測される: 飯島は当初この種を *Staurocalyptus japonicus* と命名するつもりであった。しかし、この種名は別の種 (Ijima, 1903 で *Staurocalyptus japonicus* として図示されたもの) に対して準備していた名前と同じであることに気が付き、*crassifibratus* という 2 番目の名前を準備した。しかし、どういふわけか *crassifibratus* という種名は使われることがなく、この種は最終的に *affinis* という名前で記載され、別種である *japonicus* も正式には記載されなかった。このような解釈にもとづいて、UMUTZ-PorfH-288 は *Staurocalyptus affinis* Ijima, 1904 のシタイプと見なした。

2) UMUTZ-PorfH-281 のラベルには” *Rhabdocalyptus spinifer*, type specimen”と記されているが、この名称で飯島が記載した種は存在しない。当初この名は *Chaunoplectella spinifera* Ijima, 1903 の属位を変更したものかと思われたが、この標本の旧登録番号 415 は *Chaunoplectella spinifera* Ijima, 1903 のタイプとは合致せず、*Staurocalyptus pleorhaphides* Ijima, 1897 の再記載に用いられた標本と一致した。また、標本ビンには赤ラベルが貼られており、そこには *Staurocalyptus pleorhaphides* と書かれている。飯島がこの標本を *Staurocalyptus pleorhaphides* Ijima, 1897 とは異なる新たな新種として記載するつもりであった可能性も除外できないが、*Rhabdocalyptus spinifer* は *Staurocalyptus pleorhaphides* に対して最初に準備していた MS name であったと考えるのが妥当である。今回のリストでは UMUTZ-PorfH-281 は *pleorhaphides* と書かれた赤ラベルがあり採集年月日も矛盾しないため、*Staurocalyptus pleorhaphides* Ijima, 1897 のシントタイプとして扱った。

当博物館にタイプ標本が存在する六放海綿類

飯島および岡田が記載した六放海綿類のうち、なんらかのタイプ標本 (ホロタイプ、パラタイプ、レクトタイプ、パラレクトタイプ、シントタイプ) が当博物館に存在することを確認できたのは以下の分類群である。

なお、以下のリストで優先順位の低いタイプ標本のみが表示されている場合は、海外にタイプが保管されている場合 (後述) を除いて、優先順位の高い標本は紛失したことを示す。例えば、*Chalaronema sibogae* Ijima, 1927 ではパラタイプしか現存せず、ホロタイプは紛失している。また *Calypstorete ijimai* Okada, 1925 ではレクトタイプが紛失し、パラレクトタイプのみが存在する。

Acanthascus pachyderma Okada, 1932. A fragment of holotype: UMUTZ-PorfH-84

Aphrocallistes aleutiana Okada, 1932. A part of syntype: UMUTZ-PorfH-220

Aphrocallistes beatrix orientalis Ijima, 1916. Syntype: UMUTZ-PorfH-167

Aphrocallistes intermedia Okada, 1932. A fragment of syntype: UMUTZ-PorfH-17

Aphrocallistes yatsui Okada, 1932. A fragment of holotype: UMUTZ-PorfH-16

Aulocystis zitteli sibogae Ijima, 1927. Syntype?: UMUTZ-PorfH-202

Aulosaccus albatrossi Okada, 1932. A fragment of holotype: UMUTZ-PorfH-34; A fragment of paratype: UMUTZ-PorfH-79

Aulosaccus fissuratus Okada, 1932. A fragment of paratype: UMUTZ-PorfH-60, 279

Aulosaccus fissuratus shimushirensis Okada, 1932. A fragment of holotype: UMUTZ-PorfH-48

Aulosaccus mitsukurii Ijima, 1898. Holotype: UMUTZ-PorfH-750

Aulosaccus pinularis Okada, 1932. A fragment of holotype: UMUTZ-PorfH-278

Aulosaccus solaster Okada, 1932. A fragment of holotype: UMUTZ-PorfH-56

Aulosaccus tuberculatus Okada, 1932. A fragment of syntype: UMUTZ-PorfH-33, 43

Calypatorete ijimai Okada, 1925. Paralectotype: UMUTZ-PorfH-638?, 663, 746?, 753 (Lectotype designated by Reisinger and Wheeler (2002))

Chalaronema sibogae Ijima, 1927. Paratype: UMUTZ-PorfH-266 (Holotype 紛失)

Chaunoplectella cavernosa Ijima, 1896. Holotype: UMUTZ-PorfH-799

Chaunoplectella stelleta Ijima, 1927. Holotype: UMUTZ-PorfH-245

Crateromorpha meyeri var. *rugosa* Ijima, 1898. Syntype: UMUTZ-PorfH-751

Crateromorpha meyeri var. *tuberosa* Ijima, 1898. Syntype: UMUTZ-PorfH-748

Euplectella curvistellata Ijima, 1901. Holotype: UMUTZ-PorfH-214

Euplectella timorensis Ijima, 1927. Holotype: UMUTZ-PorfH-230; Paratype: UMUTZ-PorfH-234

Eurete irregularis Okada, 1932. A fragment of syntype: UMUTZ-PorfH-18

Eurete nipponica Okada, 1932. A fragment of holotype: UMUTZ-PorfH-19

Eurete sacculiformis Okada, 1932. A fragment of syntype: UMUTZ-PorfH-47

Eurete trachydocus Ijima, 1927. Holotype: UMUTZ-PorfH-270

Farrea hanitschi Ijima, 1927. Holotype: UMUTZ-PorfH-209

Farrea kurilensis Okada, 1932. A fragment of holotype: UMUTZ-PorfH-153

Farrea sollasii yakushimensis Okada, 1932. A fragment of holotype or paratype: UMUTZ-PorfH-75

Farrea watasei Okada, 1932. A fragment of holotype: UMUTZ-PorfH-280

Hexactinella lingua Ijima, 1927. Holotype: UMUTZ-PorfH-529-1; Paratype: UMUTZ-PorfH-529-2, 529-3

Hyalascus attenuatus Okada, 1932. A fragment of holotype: UMUTZ-PorfH-32

Hyalascus sagamiensis Ijima, 1896. A fragment of holotype: UMUTZ-PorfH-174

Hyalascus similis Ijima, 1904. Holotype: UMUTZ-PorfH-59

Hyalonema (Coscinonema) kirkpatricki Ijima, 1927. Holotype: UMUTZ-PorfH-262;
Paratype: UMUTZ-PorfH-265

Hyalonema (Coscinonema) kirkpatricki globosum Okada, 1932. A fragment of paratype:
UMUTZ-PorfH-110

Hyalonema (Coscinonema) ovatum Okada, 1932. A fragment of holotype: UMUTZ-PorfH-126

Hyalonema (Cyliconema) apertum solidum Okada, 1932. A fragment of holotype:
UMUTZ-PorfH-283; Paratype: UMUTZ-PorfH-69, 108

Hyalonema (Cyliconema) hozawai Okada, 1932. A fragment of holotype: UMUTZ-PorfH-159;
Paratype: UMUTZ-PorfH-24

Hyalonema (Cyliconema) keiense Ijima, 1927. Syntype: UMUTZ-PorfH-249

Hyalonema (Cyliconema) timorensis Ijima, 1927. Holotype: UMUTZ-PorfH-243

Hyalonema (Euhyalonema) intermedium Ijima, 1927. Holotype: UMUTZ-PorfH-236

Hyalonema (Euhyalonema) keianum Ijima, 1927. Holotype: UMUTZ-PorfH-260; Paratype:
UMUTZ-PorfH-259

Hyalonema (Paradisconema) vosmaeri Ijima, 1927. Holotype: UMUTZ-PorfH-261

- Hyalonema (Pteronema) topsenti* Ijima, 1927. Holotype: UMUTZ-PorfH-232; Paratype: UMUTZ-PorfH-231
- Hyalonema (Thamnonema) thamnophorum* Ijima, 1927. Syntype: UMUTZ-PorfH-255
- Hyalonema ovatum* Ijima, 1895. Syntype?: UMUTZ-PorfH-162
- Hyalonema owstoni* Ijima, 1894. Syntype: UMUTZ-PorfH-584
- Leucopsacus orthodocus* Ijima, 1898. Lectotype: UMUTZ-PorfH-86 (Lectotype designated by Tabachnick (2002))
- Lonchiphora inversa* Ijima, 1927. Syntype: UMUTZ-PorfH-92, 282
- Lophocalyx suluanus* Ijima, 1927. Holotype: UMUTZ-PorfH-247-1; Paratype: UMUTZ-PorfH-247-2, 244?, 248?
- Pararete farreopsis fragiferum* Ijima, 1927. Holotype: UMUTZ-PorfH-149-1; Paratype: UMUTZ-PorfH-149-2
- Pararete farreopsis subglosum* Ijima, 1927. Holotype: UMUTZ-PorfH-194-1; Paratype: UMUTZ-PorfH-194-2
- Pheronema globosum kagoshimensis* Okada, 1932. A fragment of holotype: UMUTZ-PorfH-285
- Pheronema ijimai* Okada, 1932. A fragment of holotype: UMUTZ-PorfH-286; paratype: UMUTZ-PorfH-6
- Pheronema pepo* Ijima and Okada, 1938. Holotype: UMUTZ-PorfH-276
- Pheronema surugensis* Okada, 1932. A fragment of holotype: UMUTZ-PorfH-5
- Pheronema weberi* Ijima, 1927. Syntype: UMUTZ-PorfH-66, 240
- Placosoma paradictyum* Ijima, 1903. Holotype: UMUTZ-PorfH-639
- Regadrella komeyamae* Ijima, 1901. Syntype: UMUTZ-PorfH-787
- Rhabdocalyptus bidentatus* Okada, 1932. A fragment of holotype: UMUTZ-PorfH-277
- Rhabdocalyptus capillatus* Ijima, 1897. Syntype: UMUTZ-PorfH-133, 287
- Rhabdocalyptus heteraster* Okada, 1932. A fragment of holotype or paratype: UMUTZ-PorfH-44
- Rhabdocalyptus unguiculatus* Ijima, 1904. Holotype: UMUTZ-PorfH-769; Paratype: UMUTZ-PorfH-613, 769
- Sarostegia oculata* Topsent, 1904. Syntype?: UMUTZ-PorfH-176
- Semperella similis* Ijima, 1927. Holotype: UMUTZ-PorfH-721
- Staurocalyptus affinis* Ijima, 1904. Syntype: UMUTZ-PorfH-288, 793
- Staurocalyptus entacanthus* Ijima, 1904. Holotype: UMUTZ-PorfH-797, 63 (a fragment of PorfH-797)
- Staurocalyptus glaber* Ijima, 1897. Syntype: UMUTZ-PorfH-516
- *注: 現存しているのは付着基盤である別種の *Periphragella elisae* だけで *S. glaber* のタイプ本体は崩壊してほぼ消失している。
- Staurocalyptus heteractinus* Ijima, 1897. Holotype: UMUTZ-PorfH-440
- Staurocalyptus pleorhaphides* Ijima, 1897. Syntype: UMUTZ-PorfH-281

Staurocalyptus rugocruciatus Okada, 1932. A fragment of holotype: UMUTZ-PorfH-81
Sympagella anomala Ijima, 1903. Syntype: UMUTZ-PorfH-171, 628, 651, 719
Tretopleura candelabrum Ijima, 1927. Holotype: UMUTZ-PorfH-530-1; Paratype:
UMUTZ-PorfH-530-2
Tretorete incertum Ijima, 1927. Syntype: UMUTZ-PorfH-818
Vitrollula fertile Ijima, 1898. Syntype: UMUTZ-PorfH-39-1, 2
Vitrollula namiyei Ijima, 1898. Syntype: UMUTZ-PorfH-798

タイプ標本が国外にある六放海綿類

飯島および岡田が記載した六放海綿類の一部は、タイプ標本が当博物館ではなく国外にあることが論文中に記されている。それらの保管先、出典、分類群名、登録番号は以下の通りである。タイプ標本が国外にある場合の多くは、タイプ標本の一部（断片）だけが当博物館にも保管されている（上記参照）。アンダーラインで示した種は、タイプ標本が海外に保管されているものしか存在しない分類群である。一方、Van Soest *et al.* (2008) は、*Hyalonema (Euhyalonema) intermedium* Ijima 1927, *Pararete farreopsis fragiferum* Ijima 1927, *Pararete farreopsis subglobosum* Ijima 1927, *Hexactinella lingua* Ijima 1927, *Chaunoplectella stelleta* Ijima 1927 のホロタイプが Zoologisch Museum, Universiteit van Amsterdam に保管されていると報告しているが、今回これらの種、亜種のホロタイプは当博物館にも存在することが判明した。これらの標本については、いずれが本当のホロタイプであるのか再検討する必要がある。

Amherst College, Massachusetts Ijima (1904)

Aulosaccus schulzei Ijima, 1896. 登録番号不明

Hyalascus sagamiensis Ijima, 1896. 登録番号不明

Kgl. Naturalien-Kabinett zu Stuttgart Ijima (1903)

Caulophacus lotifolium Ijima, 1903. 登録番号不明

Zoologisch Museum, Universiteit van Amsterdam Van Soest *et al.* (2008)

Chaunoplectella stelleta Ijima, 1927. Holotype? 登録番号不明

Euplectella timorensis Ijima, 1927. Holotype. 登録番号不明

Farrea occa erecta Ijima, 1927. Holotype. 登録番号不明

Hexactinella lingua Ijima, 1927. Holotype? 登録番号不明

Hyalonema (Euhyalonema) intermedium Ijima, 1927. Holotype? ZMA Por. 03425

Lefroyella ceramensis Ijima, 1927. Holotype. 登録番号不明

Pararete farreopsis fragiferum Ijima, 1927. Holotype? 登録番号不明

Pararete farreopsis subglobosum Ijima, 1927. Holotype? 登録番号不明
Pheronema echinata Ijima, 1927. Holotype. ZMA Por. 03443
Pheronema weberi Ijima, 1927. Syntype. ZMA Por. 03396

Natural History Museum, London Ijima (1904)

Acanthascus alani Ijima, 1898. 登録番号不明
Hyalascus giganteus Ijima, 1898. 登録番号不明

National Museum of Natural History, Smithsonian Institution, Washington, D.C. Okada (1932)

Acanthascus pachyderma Okada, 1932. Holotype: USNM 22123
Aphrocallistes aleutiana Okada, 1932. Syntype: 登録番号不明
Aphrocallistes intermedia Okada, 1932. Syntype: USNM 22121
Aphrocallistes yatsui Okada, 1932. Holotype: USNM 22108
Aulosaccus albatrossi Okada, 1932. Holotype: USNM 22111
Aulosaccus fissuratus Okada, 1932. Holotype: USNM 22114
Aulosaccus fissuratus shimushirensis Okada, 1932. Holotype: USNM 22046
Aulosaccus pinularis Okada, 1932. Holotype: USNM 22112
Aulosaccus solaster Okada, 1932. Holotype: USNM 22109
Aulosaccus tuberculatus Okada, 1932. Syntype: USNM 22122
Eurete irregularis Okada, 1932. Syntype: USNM 22040
Eurete nipponica Okada, 1932. Holotype: USNM 22038
Eurete sacculiformis Okada, 1932. Syntype: USNM 22039
Farrea kurilensis Okada, 1932. Holotype: USNM 22034
Farrea sollasii yakushimensis Okada, 1932. Holotype: USNM 22036
Farrea watasei Okada, 1932. Holotype: USNM 22035
Hyalascus attenuatus Okada, 1932. Holotype: USNM 22044
Hyalonema (Coscionema) kirkpatricki globosum Okada, 1932. Holotype: USNM 22031
Hyalonema (Coscionema) ovatum Okada, 1932. Holotype: USNM 22032
Hyalonema (Cyliconema) apertum solidum Okada, 1932. Holotype: USNM 22054
Hyalonema (Cyliconema) hozawai Okada, 1932. Holotype: USNM 22030
Pheronema globosum kagoshimensis Okada, 1932. Holotype: USNM 22026
Pheronema ijimai Okada, 1932. Holotype: USNM 22027
Pheronema surugensis Okada, 1932. Holotype: USNM 22028
Rhabdocalyptus bidentatus Okada, 1932. Holotype: USNM 22053
Rhabdocalyptus borealis Okada, 1932. Holotype: USNM 22161
Rhabdocalyptus heteraster Okada, 1932. Holotype: USNM 22052
*Staurocalyptus rugocruciatu*s Okada, 1932. Holotype: USNM 22051

タイプ標本の所在を確認できなかった六放海綿類

一方、飯島および岡田が記載した六放海綿類でタイプ標本を当博物館所蔵標本の中に確認できなかったのは以下の分類群である。この中には、1) タイプ標本と確定できる標本が見つからなかったが、シントタイプに該当する標本が本コレクション中に含まれている可能性があるものと、2) タイプ標本が確実に紛失したものがある。後者の内、分類学的に問題のある場合については、新たにネオタイプを指定するか、論文中の図をレクトタイプに指定することが必要となるであろう。

1) タイプ標本が不明の分類群

以下に示す種、亜種は、論文やラベルにタイプ標本を特定できる情報がないため、タイプシリーズに相当する標本を確定することができなかった。しかし、一部の標本は、採集年月日から見てタイプシリーズであった可能性があり、ラベル情報が失われた標本にもタイプシリーズであった可能性が否定できない。レクトタイプやネオタイプを選定するにはこれらの標本を考慮する必要があるであろう。

Crateromorpha corrugata Ijima, 1898

Euplectella imperialis Ijima, 1894

Euplectella marshalli Ijima, 1895

Hyalonema (Cyliconema) apertum tuberosus Ijima and Okada, 1938

*注 UMUTZ-PorfH-405 は、Ijima and Okada (1938) において *H. apertum apertum*, *H. apertum tuberosus*, *H. hozawai* の3分類群のそれぞれの検討標本として重複して記載されている。Ijima and Okada (1938) に記述された標本番号に誤りがあると思われるが、現時点では PorfH-405 がいずれの分類群に該当するのか判断できない。本標本が *tuberosus* であるならばシントタイプの可能性がある。

Hyalonema clathratum Ijima, 1894

Hyalonema reflexum Ijima, 1894

*注 UMUTZ-PorfH-689-2~5 には”types”と明記された赤ラベルが付けられているが、これらにはシントタイプとしての資格がない (上記 p. 5 参照)。また、UMUTZ-PorfH-689-1 は通常ラベルに”Type”と明記され、採集年月日もシントタイプである可能性を否定しないが、ラベルのみで標本が紛失している。

Regadrella okinoseana Ijima, 1896

Rhabdocalyptus victor Ijima, 1896

Semperella stomata Ijima, 1896

Walteria leuckart Ijima, 1896

2) タイプ標本が紛失した分類群

以下に示す種は、その種に同定された標本が全くないか、タイプ標本と記された登録番号の標本がないことから、タイプ標本が紛失したと考えられる。

Anomochone expansa Ijima, 1927
Anomochone globosa Ijima, 1927
Bathydorus pedunculatus Ijima, 1927
Bolosoma cavum Ijima, 1927
Chaunoplectella spinifera Ijima, 1903
Crateromorpha pachyactina Ijima, 1898
Diapleura maasi Ijima, 1927
Eurete freelandi Ijima, 1927
Eurete schmidti kampeni Ijima, 1927
Eurete schmidti treubi Ijima, 1927
Farrea beringiana Okada, 1932
Farrea lendenfeldi Ijima, 1927
Farrea nodulosa Ijima, 1927
Farrea occa cuspidata Ijima, 1927
Farrea occa mammillata Ijima, 1927
Farrea occa subclavigera Ijima, 1927
Farrea spirifera Ijima, 1927
Hexactinella rugosa Ijima, 1927
Hexactinella vermiculosa Ijima, 1927
Hexactinella? spongiosa Ijima, 1927
Hyalonema (Corynonema) rotundum Ijima, 1927
Hyalonema (Leptonema) flagelliferum Ijima, 1927
Hyalonema pellucidum Ijima, 1894
Leucopsacus scoliodocus Ijima, 1898
Myliusia verrucosa Ijima, 1927
Pararete baliense Ijima, 1927
Pararete farreopsis jakosalemi Ijima, 1927
Pararete freeri Ijima, 1927
Pararete kangeanganum Ijima, 1927
Pararete semperi Ijima, 1927
Pheronema placoideum Ijima and Okada, 1938
Pleurochorium cornutum Ijima, 1927
Priphragella irregularis Ijima, 1927
Priphragella parva Ijima, 1927
Psilocalyx wilsoni Ijima, 1927
Regadrella cylindrica Ijima, 1927
Rhabdodictyum kurense Ijima, 1927
Rossella longispina Ijima, 1896

Sclerothamnopsis schulzei Ijima, 1927
Staurocalyptus celebesianus Ijima, 1927
Staurocalyptus microchetus Ijima, 1898
Staurocalyptus tubulosa Ijima, 1904
Tretodictyum pumicosum Ijima, 1927
Tretodictyum schrammeni Ijima, 1927

Manuscript name と未記載種候補

今回の調査では、正式に記載されていない学名がラベルに表記されている例が複数認められた。これらはいずれも飯島が「未記載種」に対して準備した manuscript name と考えられる。以下に飯島の MS name を列挙する。これらの内の3つの MS name は準備はされたが使われず、該当する種は後に別の名前で正式に記載された。また、同じ MS name が複数の種に対して用意されていたと思われる例が2例ある。後に別の名前で正式に記載された場合を除くと、MS name が付けられた標本は、未記載種の可能性がある。

Acanthascus tubus: UMUTZ-PorFH-559 のラベル名で、未記載種の可能性がある。

Farrea awokii: UMUTZ-PorFH-199 のラベル名で、未記載種の可能性がある。

Farrea clavata: UMUTZ-PorFH-652 のラベル名で、未記載種の可能性がある。

Hyalonema claviferum: UMUTZ-PorFH-256 のラベル名で、未記載種の可能性がある。

Hyalonema (Corynonema) clavigerum (Schulze, 1886) とは別の種と思われる。

Hexactinella polystomata: UMUTZ-PorFH-676, 677 のラベル名で、未記載種の可能性がある。

Regadrella tubus: UMUTZ-PorFH-235 のラベル名で、未記載種の可能性がある。

Rhabdocalyptus maximus: UMUTZ-PorFH-558 のラベル名で、未記載種の可能性がある。

Rhabdocalyptus spinifer non *Chaunoplectella spinifera* Ijima, 1903: MS name for *Staurocalyptus pleorhaphides* Ijima, 1897. この名前は *Staurocalyptus pleorhaphides* Ijima, 1897 に対して準備していた名前と思われる。上記 pp. 5-6 参照。

Staurocalyptus japonicus non *Staurocalyptus japonicus* in Ijima (1903): MS name for *Staurocalyptus affinis* Ijima, 1904. Ijima (1903)で *Staurocalyptus japonicus* として図示されたのとは別の種(*Staurocalyptus affinis* Ijima, 1904)に対して、同じ名前を *Staurocalyptus japonicus* として準備していたようである。上記 p. 5 参照。

Staurocalyptu crassifibratus: MS name for *Staurocalyptus affinis* Ijima, 1904. この名前も *Staurocalyptus affinis* Ijima, 1904 に対する2個目の MS name として準備したらしいが、この名前も使われなかった。上記 p. 5 参照。

Staurocalyptus japonicus: Ijima (1903) で図示されたが、図と学名のみで記載文がないため、正式な記載とはみなされない。*Staurocalyptus tubulosus* と同様に後で正式な記載を行うつもりであったと思われるが、最終的には記載されなかったため、ここでは MS

name として扱う。標本番号から、Ijima (1904) で *Staurocalyptus entacanthus*? とされたものと同じである。未記載種の可能性があるが、標本は紛失している。

上記の他に、Okada (1932) が 既知種とは異なるものとして区別した 2 種の標本が発見された。これらも未記載種の可能性があり、再検討が必要である。

Bathydorus sp. 1: UMUTZ-PorfH-98, *Bathydorus* sp. α in Okada, 1932

Bathydorus sp. 2: UMUTZ-PorfH-91, *Bathydorus* sp. β in Okada, 1932

異物同名と新置換名の提唱

今回の調査の過程で、*Hyalonema ovatum* Ijima, 1895 と *Hyalonema (Coscionema) ovatum* Okada, 1932 は一次同名 (primary homonym) であることが判明した。本文では、新参同名である *Hyalonema (Coscionema) ovatum* Okada, 1932 に対する置換名として、*Hyalonema (Coscionema) okadai* Ogawa and Ueshima (**nom. nov.**) を提唱する。*Hyalonema (Coscionema) ovatum* Okada, 1932 のホロタイプ (USNM 22032) は National Museum of Natural History, Smithsonian Institution に保管されており (Okada, 1932)、その断片 (UMUTZ-PorfH-126) が本館にも存在する。USNM 22032 は自動的に新置換名である *Hyalonema (Coscionema) okadai* Ogawa and Ueshima のホロタイプとなる (ICZN 72.7)。

謝辞

今回の報告をまとめるにあたって、多くの方々にお世話になった。東邦大学の西川輝明博士には命名規約についての助言を頂いた。伊勢優史博士には文献等についてご教示頂いた。データベース作成にあたっては伊藤泰弘博士にお世話になった。本研究は東京大学総合研究博物館の公開利用経費およびプロジェクト経費 (平成 11 年~21 年) による援助を受け、総合研究博物館の研究部教員、事務職員の方々からの様々なご支援を頂いた。この場を借りて厚くお礼申し上げる。

東京大学総合研究博物館動物部門所蔵の六放海綿標本リスト

List of hexactinellid specimens deposited in the UMUTZ

(Database available online at <http://umdb2.um.u-tokyo.ac.jp/DDoubutu/invertebrate/porifera/index.html>)

凡例

- 以下のリストは Van Soest *et al.* (2008) の分類体系に従った。
- ラベル情報として記述した内容で[]で囲った部分は筆者らによる注釈、英訳である。
- 同定が属までしかできず種名が決定できない標本は*** sp. (未同定標本が1点しかない場合) とした。未同定標本が2点以上あり、複数種が混じっている可能性が否定できない場合は*** spp.と表記したが、これは2種以上が含まれていることを保証するものではない。
- 飯島、岡田が未記載種の候補として識別した標本 (MS name または、それに相当する事項がラベルに書かれている) および未記載種と思われる標本は、上記の未同定標本とは区別して、*** sp. 1, ***sp. 2 として表した。

Class Hexactinellida 六放カイメン綱

Order Amphidiscosida 両盤目

Family Hyalonematidae ホッサガイ (ホッサカイメン) 科

Genus *Chalaronema*

Chalaronema sibogae Ijima, 1927

UMUTZ-PorfH-233

Locality: Siboga St. 254

Label information: “Prof. I. Ijima, Tokyo. Hyalonema sibogae Ij. Specimen C [“B”を消して“C”に修正] Siboga Stat. 254”

Condition: Wet

Remarks: Ijima (1927) は、本種として St. 251 から採集された2個体 (“specimen A” および “specimen B”) のみを報告しており、St. 254 で採集された本標本 “specimen C” については全く言及していない。

UMUTZ-PorfH-266 (Pl. 1, fig. 1)

Locality: Siboga St. 251

Label information: “Prof. I. Ijima, Tokyo. Hyalonema sibogae Ij. Young. Specimen B. Stat. 251.”

Condition: Wet

Remarks: **Paratype**. “Specimen B” in Ijima (1927, p. 45).

Genus *Compsocalyx*

Compsocalyx gibberosa Schulze, 1904

UMUTZ-PorfH-65

Locality: Valdivia 208, 296 m

Label information: *Compsocalyx gibberosa* F.E. Sch

Condition: Wet

Genus *Hyalonema*

Subgenus *Corynonema*

Hyalonema (Corynonema) calyx (Schulze, 1904)

UMUTZ-PorfH-74

Locality: Valdivia 207, 1024 m

Label information: *Hyalonema calyx* F.E. Sch.

Condition: Wet

Hyalonema (Corynonema) clathratum Ijima, 1894

UMUTZ-PorfH-87

Locality: Homba, 400 hiro
Date: 25/4/94 [25 April 1894]
Label information: *Hyalonema clathratum* ?
Condition: Wet

UMUTZ-PorfH-578

Locality: イワドガケの外 350 ヒロ、ヨドミ、大島西 [Iwadogake no soto, 350 hiro, Yodomi, West of Oshima Island]
Date: 1896年1月9日、明治30年4月21日、明治32年3月 [9 January 1896, 21 April 1897, March 1899]
Collector: Kumakichi Aoki
Label information: *Hyalonema clathratum* Ijima, Sp. 408
Condition: Dry

UMUTZ-PorfH-586

Locality: ヨドミ [Yodomi]
Date: 明治30年4月21日 [21 April 1897]
Collector: Kumakichi Aoki (purchased)
Label information: *Hyalonema clathratum*
Condition: Dry

Hyalonema (Corynonema) owstoni Ijima, 1894 オウストンホッスガイ

UMUTZ-PorfH-45

Locality: Albatross coll. St. 4958
Label information: *H. (Coryonema) owstoni* Ijima
Condition: Wet
Remarks: Either “specimen A” or ”specimen B” in Okada (1932).

UMUTZ-PorfH-70

Locality: Albatross coll. St. 4976
Label information: *H. (Coryonema) owstoni* Ijima
Condition: Wet
Remarks: “specimen C” in Okada (1932).

UMUTZ-PorfH-576

Locality: 大島西 [West of Oshima Island]
Date: 明治32年3月 [March 1899]
Collector: Kumakichi Aoki
Label information: *Hyalonema owstoni*
Condition: Dry

UMUTZ-PorfH-577

Locality: オキノセ、モチ山 300-400 ヒロ [Okinose, Mochiyama, 300-400 hiro]
Date: 1894年3月、1894年5月5日、1900年1月 [March 1894, 5 May 1894, January 1900]
Collector: Kumakichi Aoki
Label information: *hyalonema owstoni* Iijima, Sp. 199
Condition: Dry

UMUTZ-PorfH-584 (Pl. 1, fig. 2)

Locality: Okinose
Date: March 1894
Collector: Kumakichi Aoki

Label information: "Sci. Coll. Mus. Spec. 198. Hyalonema owstoni, Ij, Type specimen.
Okinose, March '94. (Kumakichi Aoki coll.)"

Condition: Dry

Remarks: **Syntype**

UMUTZ-PorfH-585

Locality: ヨドミ [Yodomi]

Date: 明治 30 年 4 月 [April 1897]

Collector: Kumakichi Aoki

Label information: Hyalonema owstoni, Sp. 200, 201, 203

Condition: Dry

UMUTZ-PorfH-645

Locality: 大島の西 [West of Oshima Island]

Date: 明治 32 年 3 月 [March 1899]

Collector: Kumakichi Aoki

Condition: Dry

UMUTZ-PorfH-665

Locality: オキノセ、岩戸掛外、400 ヒロ [Okinose, Iwadogake no soto, 400 hiro]

Date: 明治 32 年 1 月 9 日 [9 January 1899]

Collector: Kumakichi Aoki

Label information: Hyalonema owstoni Ijima ?

Condition: Dry

UMUTZ-PorfH-680

Condition: Dry

Subgenus *Coscionema*

Hyalonema (Coscionema) kenti (Schmidt, 1880)

UMUTZ-PorfH-429

Locality: Albatross, St. D5543

Date: Aug. 20, 1909

Condition: Wet

Hyalonema (Coscionema) kirkpatricki Ijima, 1927

UMUTZ-PorfH-262 (Pl. 1, fig. 4)

Locality: Siboga St. 271

Label information: "Prof. I. Ijima, Tokyo. Hyalonema kirkpatricki Ij. Siboga. Stat. 271. 3 specimens", "Siboga-Expeditie. Stat. 271."

Condition: Wet

Remarks: **Holotype** (Ijima, 1927, p. 68: Pl. II, fig. 12).

UMUTZ-PorfH-265

Locality: Siboga St. 271, 5°46' 7"S, 134°0'E, 1788 m

Label information: "Hyalonema kirkpatricki n. sp. Stat. 271. 5°46'.7S 134°0'E: 1788 m.

One [修正跡あり。修正前の文字判読不能] specimen"

Condition: Wet

Remarks: **Paratype**. "Specimen B" in Ijima (1927, p. 68: Pl. II, fig. 13).

Hyalonema (Coscionema) kirkpatricki globosum Okada, 1932

UMUTZ-PorfH-110

Locality: Albatross coll. St. 4957

Label information: "Sci Coll Mus. H. (Coscionema) Kirkpatrick n. sp. ["var."を消して"sp."に修正] globosum. Albatross Coll. Station 4957"

Condition: Wet

Remarks: A fragment of **paratype**. "Specimen B" in Okada (1932, p. 26).

Hyalonema (Coscionema) okadai Ogawa and Ueshima **nom. nov.**

=*Hyalonema (Coscionema) ovatum* Okada, 1932 non Ijima, 1895

UMUTZ-PorfH-126

Locality: Albatross coll. St. 5084

Label information: "Sci Coll Mus. H. (*Coscionema*) *ovatum* n. sp. Albatross Coll. Station 5084"

Condition: Wet

Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22032) は National Museum of Natural History, Smithsonian Institution に收藏されている (Okada, 1932)。なお、*Hyalonema ovatum* Okada, 1932 と *Hyalonema ovatum* Ijima, 1895 は一次同名であるため、前者に対する新置換名として *Hyalonema (Coscionema) okadai* (**nom. nov.**) を今回提唱した (上記 p. 14 参照)。

Subgenus *Cyliconema*

Hyalonema (Cyliconema) apertum apertum Schulze, 1886 フタナシホッスガイ

UMUTZ-PorfH-35

Locality: St. 9

Date: 23/7/94 [23 July 1894]

Label information: *Hyalonema apertum*, Sp. 322

Condition: Wet (カビ生え)

Remarks: "Sp. no. 322" in Ijima and Okada (1938).

UMUTZ-PorfH-168

Locality: Valdivia 211, 805 m

Label information: *Hyalonema apertum* Schulze

Condition: Wet

UMUTZ-PorfH-193

Locality: Iwadogake Misaki, 3 ri oki

Date: June '94 [June 1894]

Collector: Kumakichi Aoki

Label information: *Hyalonema apertum*, Sp. 349

Condition: Wet

UMUTZ-PorfH-197

Locality: オキノセ外、イワドガケ 350 ヒロ [Okinose soto, Iwadogake, 350 hiro]

Date: 1895-1899

Collector: Kumakichi Aoki

Label information: *Hyalonema apertum*

Condition: Wet

UMUTZ-PorfH-201

Locality: Honba, 400 hiro

Date: 25/4/94, May '94 [25 April 1894, May 1894]

Collector: Kumakichi Aoki

Label information: *Hyalonema apertum*, Sp. 316

Condition: Wet

UMUTZ-PorfH-205

Locality: Yodomi

Date: 31/3/94 [31 March 1894]

Label information: *Hyalonema apertum*, Sp. 317

- Condition: Wet
 UMUTZ-PorfH-206
 Locality: Okonose
 Date: May 1894
 Collector: Kumakichi Aoki
 Label information: Hyalonema apertum, Sp. 346
 Condition: Wet
- UMUTZ-PorfH-211
 Locality: Homba
 Date: 25/4/94-/5/94, May '94 [25 April – May 1894, May 1894]
 Label information: Hyalonema apertum, Sp. 347
 Condition: Wet
- UMUTZ-PorfH-215
 Locality: Okinose
 Date: May 1894
 Collector: Kumakichi Aoki
 Label information: Hyalonema apertum, Sp. 319
 Condition: Wet
- UMUTZ-PorfH-226
 Locality: The "Golden Helix" expedition to Sagami Bay. St. 38, 380 hiro
 Date: 17/7, 1896 [17 July 1896]
 Label information: 2 Hyalonema and a small fragment of same Hex.
 Condition: Wet
- UMUTZ-PorfH-375
 Locality: Golden Hind, Gokeba, St. 39
 Date: 18/7/96 [18 July 1896]
 Condition: Wet
- UMUTZ-PorfH-380
 Locality: オキノセ外, 400 ヒロ [Okinose soto, 400 hiro]
 Date: 明治 33 年 2 月 18 日 [18 February 1900]
 Collector: Kumakichi Aoki
 Condition: Wet
 Remarks: 異常型
- UMUTZ-PorfH-382
 Locality: Sagami Sea
 Condition: Wet
- UMUTZ-PorfH-405
 Locality: Okinose
 Date: May 1895
 Label information: Sp. 337b
 Condition: Wet
 Remarks: 本標本の旧登録番号 337b は Ijima and Okada (1938) において *H. apertum* (*s.s.*), *H. apertum tuberosus*, *H. hozawai* の 3 分類群の検討標本として重複して記録されている。同様な番号の重複は 332, 337a (いずれも標本は紛失) にも見られるため、Ijima and Okada (1938) では標本番号を誤って記載した可能性が高い。いずれの場合も図示されたのは骨片だけであるため、本標本がいずれの分類群であるのかは不明である。本標本が *H. apertum tuberosus* であるならば、*H. apertum tuberosus* の syntype になる可能性がある。Ijima and Okada (1938: p. 459, Pl. 18, figs. 5, 6, Pl. 17, fig. 11)。

UMUTZ-PorfH-583

Locality: ヨドミ [Yodomi]
Date: 1897年4月 [April 1897] 他
Label information: Hyalonema apertum, Sp.523 他
Condition: Dry

UMUTZ-PorfH-588

Locality: Okinose
Date: March '94 [March 1894]
Collector: Kumakichi Aoki
Label information: Hyalonema apertum Schulze, Sp. 344
Condition: Dry

UMUTZ-PorfH-679

Locality: Sagami Sea
Collector: Donated by Owston
Label information: Hyalonema apertum, Sp. 333-335
Condition: Dry

UMUTZ-PorfH-722

Locality: Sagami Bay
Label information: Hyalonema apertum J.S.S., Sp. 166 他
Condition: Dry

UMUTZ-PorfH-733

Locality: Off Inatori, St. 9
Date: 23/7/94 [23 July 1894]
Label information: Hyalonema apertum S., Sp. 331 他
Condition: Dry

UMUTZ-PorfH-777

Locality: Mochiyama, 300-400 hiro
Date: 5/5/94 [5 May 1894]
Collector: Kumakichi Aoki
Condition: Dry

Hyalonema (Cyliconema) apertum maehrenthali (Schulze, 1895)

UMUTZ-PorfH-238

Locality: Siboga St. 314
Label information: Hyalonema apertum maehrenthali Schulze, specimen B
Condition: Wet
Remarks: "specimen B" in Ijima (1927, p. 76).

UMUTZ-PorfH-239

Locality: Siboga St. 52
Label information: Hyalonema apertum maehrenthali, Specimen C
Condition: Wet
Remarks: "specimen C" in Ijima (1927, p. 78).

UMUTZ-PorfH-241

Locality: Siboga St. 254
Label information: H. apertum maehrenthali, Specimen D
Condition: Wet
Remarks: "specimen D" in Ijima (1927, p. 79).

UMUTZ-PorfH-242

Locality: Siboga St. 137
Label information: H. apertum maehrenthari, Specimen I

- Condition: Wet
Remarks: “specimen I” in Ijima (1927, p. 83).
- UMUTZ-PorfH-246
Locality: Siboga St. 145
Label information: Hyalonema apertum maehrenthali Schulze, Specimen H
Condition: Wet
Remarks: “specimen H” in Ijima (1927, p. 82).
- UMUTZ-PorfH-250
Locality: Siboga St. 173
Label information: Hyalonema apertum maehrenthali, Specimen F
Condition: Wet
Remarks: “specimen F” in Ijima (1927, p. 81).
- UMUTZ-PorfH-251
Locality: Siboga St. 161
Label information: Hyalonema apertum maehrenthali, Specimen G
Condition: Wet
Remarks: “specimen G” in Ijima (1927, p. 81).
- UMUTZ-PorfH-263
Locality: Siboga St. 316
Label information: Hyalonema apertum maehrenthali Schulze
Condition: Wet
Remarks: “specimen A” in Ijima (1927, p. 73).
- UMUTZ-PorfH-264
Locality: Siboga St. 251
Label information: Hyalonema apertum maehrenthali
Condition: Wet
Remarks: “specimen E” in Ijima (1927, p. 80).

Hyalonema (Cyliconema) apertum solidum Okada, 1932

- UMUTZ-PorfH-69
Locality: Albatross coll. St. 4919
Label information: “Sci Coll Mus. H. (Cyliconema) apertum n. sp. [“var”を消して”n. sp.”に修正] solidum [“Ijima”を消してある] Albatross Coll. Station 4919”
Condition: Wet
Remarks: **Paratype**. “specimen B” in Okada (1932, p. 21).
- UMUTZ-PorfH-108
Locality: Albatross coll. St. 4959
Label information: “Sci Coll Mus. H. (Cyliconema) apertum n. subsp. [“n. subsp.”は加筆したもの] solidum [“Ijima”を消してある] Albatross Coll. Station 4959”
Condition: Wet
Remarks: **Paratype**. “specimen C” in Okada (1932, p. 21).
- UMUTZ-PorfH-283
Locality: Albatross Coll. St. 4957
Label information: “Sci Coll Mus. H. (Cyliconema) apertum n. subsp [“supsp”は加筆したもの] solidum [“Ijima”を消してある] Albatross Coll. Station 4957”
Condition: Wet
Remarks: A fragment of **holotype** (“specimen A” in Okada, 1932). Holotype の主要部分 (USNM 22054) は National Museum of Natural History, Smithsonian Institution に收藏されている (Okada, 1932, p. 21)。

UMUTZ-PorfH-591

Locality: Okinose, Okinose soto

Date: March '94 [March 1894]

Collector: Kumakichi Aoki

Label information: *Hyalonema apertum* var. *solidum* Ijima, Sp. 197, 338, 339

Condition: Dry

Remarks: *Hyalonema apertum* var. *solidum* の名前は、本亜種が Okada (1932) によって記載される以前から準備されていたことを本標本のラベルは示している。

Hyalonema apertum var. *solidum* は飯島の MS name であったと思われる。

UMUTZ-PorfH-592

Locality: Homba, 350 hiro

Date: 20/4/94 [20 April 1894]

Collector: Kumakichi Aoki

Label information: *Hyalonema apertum* var. *solidum*, Sp. 348

Condition: Dry

Remarks: *Hyalonema apertum* var. *solidum* の名前は、本亜種が Okada (1932) によって記載される以前から準備されていたことを本標本のラベルは示している。

Hyalonema apertum var. *solidum* は飯島の MS name であったと思われる。

UMUTZ-PorfH-589

Locality: Okinose

Date: March '94 [March 1894]

Collector: Kumakichi Aoki

Label information: *Hyalonema apertum* var. *solidum* [*solidum* を消してある], Sp. 340

Condition: Dry

Remarks: *Hyalonema apertum* var. *solidum* の名前は、本亜種が Okada (1932) によって記載される以前から準備されていたことを本標本のラベルは示している。

Hyalonema apertum var. *solidum* は飯島の MS name であったと思われる。

Hyalonema (Cyliconema) coniforme Schulze, 1904

UMUTZ-PorfH-269

Locality: Valdivia 264, 1079 m

Label information: *Hyalonema coniforme* Schulze

Condition: Wet

Hyalonema (Cyliconema) hozawai Okada, 1932 ホウザワホッスガイ

UMUTZ-PorfH-24

Locality: Albatross coll. St. 4956

Label information: "Sci Coll Mus. H. (*Cyliconema*) *hozawai* n. sp. Albatross Coll. Station 4956"

Condition: Wet

Remarks: 本標本または UMUTZ-PorfH-159 のいずれかが、holotype の一部である。

標本の大きさおよび形状から推測すると、本標本は **paratype** ("specimen A" in Okada, 1932: Pl. 1, fig. 3) の一部である可能性が高い。下記も参照。

UMUTZ-PorfH-159

Locality: Albatross coll. St. 4956

Label information: H. (*Cyliconema*) *hozawai*

Condition: Wet

Remarks: 本標本または UMUTZ-PorfH-24 のいずれかが、holotype の一部である。

標本の大きさおよび形状から推測すると、本標本が **holotype** ("specimen B" in Okada (1932)) の一部である可能性が高い。Holotype の主要部分(USNM 22030)

は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932)。上記も参照。

Hyalonema (Cyliconema) keiense Ijima, 1927

UMUTZ-PorfH-249 (Pl. 2, fig. 1)

Locality: Siboga St. 253

Label information: “Hyal. ovatum keiense. Small fragments only” “Prof. I. Ijima, Tokyo. Hyal. ovatum keiense Ij: Siboga Stat. 253.” “Stat. 253. From among dry [? illegible] rooting fiber of *Pheronema weberi*.”

Condition: Wet

Remarks: **Syntype** (Ijima, 1927, p. 90: Textfig. 17).

Hyalonema (Cyliconema) molle Schulze, 1904

UMUTZ-PorfH-164

Locality: Valdivia 253, 630 m

Label information: *Hyalonema molle* Schulze

Condition: Wet

Hyalonema (Cyliconema) ovatum Ijima, 1895 non Okada, 1932

UMUTZ-PorfH-162

Locality: St. 8

Date: 21/7/94 [21 July 1894]

Label information: *Hyalonema ovatum* Ij., Sp. 320

Condition: Wet

Remarks: Possible **syntype**. *Hyalonema ovatum* Ijima, 1895 と *Hyalonema ovatum* Okada, 1932 は一次同名 (primary homonym, 上記 p. 14 参照)。標本は溶解して骨片のみであるが、亜属を決定する骨片は見つからなかった。

Hyalonema (Cyliconema) pirum Schulze, 1894f

UMUTZ-PorfH-257

Locality: Siboga St. 208

Label information: *Hyalonema pirum* Schulze

Condition: Wet

Hyalonema (Cyliconema) simile (Schulze, 1904)

UMUTZ-PorfH-148

Locality: Valdivia 252, 1019m

Label information: *Hyalonema simile* Schulze

Condition: Wet

Hyalonema (Cyliconema) somalicum Schulze, 1904

UMUTZ-PorfH-123

Locality: Valdivia 265, 628 m

Label information: *Hyalonema somalicum* Schulze

Condition: Wet

Hyalonema (Cyliconema) thomsoni Marshall, 1875

UMUTZ-PorfH-134

Locality: Valdivia 10, 1300 m

Label information: *Hyalonema thomsoni* Marshall

Condition: Wet

Hyalonema (Cyliconema) timorensis Ijima, 1927

UMUTZ-PorfH-243 (Pl. 2, fig. 2)

Locality: Siboga St. 284

Label information: "Prof. I. Ijima, Tokyo. Hyalonema ovatum timorensis Ij. Stat. 284"

Condition: Wet

Remarks: **Holotype** (Ijima, 1927, p. 88: Pl. II, fig. 16; Textfig. 16).

Hyalonema (Cyliconema) tulipa Schulze, 1904

UMUTZ-PorfH-11

Locality: Valdivia 190, 1280 m

Label information: Hyalonema tulipa F. E. Sch.

Condition: Wet

Hyalonema (Cyliconema) valdiviae Schulze, 1904

UMUTZ-PorfH-114

Locality: Valdivia 208, 296 m

Label information: Hyalonema valdiviae Schulze

Condition: Wet

Subgenus *Hyalonema*

Hyalonema (Hyalonema) intermedium Ijima, 1927

UMUTZ-PorfH-236 (Pl. 1, fig. 3)

Locality: Siboga St. 262, 560 m

Label information: "Prof. I. Ijima, Tokyo. Hyalonema sieboldi intermedium Ij. Siboga Stat. 262.", "SIBOGA-EXPEDITIE STAT:262", "Station 262. 560 M."

Condition: Wet

Remarks: **Holotype** (Ijima, 1927, p. 55: Pl. I, figs. 1, 2; Textfig. 4)

Hyalonema (Hyalonema) keianum Ijima, 1927

UMUTZ-PorfH-259

Locality: Siboga St. 254

Label information: "Prof. I. Ijima, Tokyo. Hyalonema sieboldi keianum Ij. Siboga Stat. 254."

Condition: Wet

Remarks: **Paratype**. "specimen B" in Ijima (1927, p. 59).

UMUTZ-PorfH-260 (Pl. 2, fig. 3)

Locality: Siboga St. 254

Label information: "Prof. I. Ijima, Tokyo. Hyalonema sieboldi keianum Ij, spec. A. Siboga Stat. 254."

Condition: Wet

Remarks: **Holotype** (Ijima, 1927, p. 59: Pl. I, figs. 3, 4; Textfig. 5).

Hyalonema (Hyalonema) proximum Schulze, 1904

UMUTZ-PorfH-125

Locality: Valdivia 198, 677 m

Label information: Hyalonema proximum Schulze

Condition: Wet

Hyalonema (Hyalonema) sieboldi (Gray, 1935) ホッスガイ

UMUTZ-PorfH-46

Locality: Honba
Date: May 1894
Collector: Kumakichi Aoki
Label information: *Hyalonema sieboldi*, Sp. 315
Condition: Wet

UMUTZ-PorfH-180

Label information: Sp. 504?
Condition: Wet

UMUTZ-PorfH-383

Locality: Albatross, St. D5440
Date: May 10, 1909
Condition: Wet

UMUTZ-PorfH-388

Locality: Albatross, St. D5467
Date: June 18, 1909
Condition: Wet

UMUTZ-PorfH-503

Locality: 相模湾、三崎 [Misaki, Sagami Bay]
Date: 1894年 (明治27年)
Collector: Ijima (purchased)
Label information: *Hyalonema sieboldi* Grey, Sp. 212
Condition: Dry

UMUTZ-PorfH-504

Locality: 相模湾、前のヨドミ [Maenoyodomi, Sagami Bay]
Date: 明治30年4月21日 [21 April 1897]
Collector: 青木熊吉より購入含む
Condition: Dry

UMUTZ-PorfH-507

Locality: Albatross 標本含む
Date: 3/94 [March 1894]
Collector: Kumakichi Aoki
Condition: Dry

UMUTZ-PorfH-508

Locality: Okinose
Date: Feb. 18/94 [18 February 1894] 他
Collector: Kumakichi Aoki 他
Condition: Dry

UMUTZ-PorfH-509

Locality: Okinose, Okinose 300 hiro, Mochiyama 他
Date: 5/5/94 [5 May 1894]他
Collector: Kumakichi Aoki
Condition: Dry

UMUTZ-PorfH-579

Locality: Okinose soto, 350-400 hiro
Date: Dec. 15, 明治31年 [15 December 1898]
Collector: Kumakichi Aoki
Condition: Dry

UMUTZ-PortH-580

Locality: Inagake no uchibeta 350 hiro
Date: 21/12/94 [21 December 1894]
Collector: Kumakichi Aoki
Condition: Dry

UMUTZ-PortH-581

Locality: オキノセ外、350-400 ヒロ [Okinose soto, 350-400 hiro]
Date: 明治 35 年 2 月 [February 1902]
Collector: Kumakichi Aoki
Label information: Sp. 513
Condition: Dry

UMUTZ-PortH-582

Condition: Dry

UMUTZ-PortH-646

Locality: purchased at Enoshima
Date: 明治 34 年 7 月 [July 1901]
Collector: Prof. Oca...[illegible]
Condition: Dry

UMUTZ-PortH-653

Locality: オキノセ外 [Okinose soto]
Date: 明治 3 年 12 月 [December 1870]
Collector: Kumakichi Aoki
Condition: Dry

UMUTZ-PortH-658

Locality: ハイダシ、モチ山 300-400 ヒロ、ヨドミ、岩戸掛け外 400 ヒロ、大島西
[Haidashi, Mochiyama, 300-400 hiro, Yodomi, Iwadogake soto, 400 hiro, West of
Oshima Island]
Date: 1894 年 3 月、1894 年 5 月 5 日、明治 33 年 4 月 2 日、明治 32 年 3 月 [March
1894, 5 May 1894, 2 April 1900, March 1899]
Collector: Kumakichi Aoki
Label information: Hyalonema sieboldi Gray, Sp. 216 他
Condition: Dry

UMUTZ-PortH-659

Locality: Mochiyama, S of Jogash.
Date: -/3/94 [March 1894]
Collector: Kumakichi Aoki
Label information: Hyalonema sieboldi var.
Condition: Dry (状態良好)

UMUTZ-PortH-723

Locality: Kurosaki, 350 hiro 他
Date: 14/4/94 [14 April 1894]
Collector: Kumakichi Aoki
Label information: Sp. 215
Condition: Dry

UMUTZ-PortH-732

Locality: Okinose soto, 350-400 hiro
Date: 明治 35 年 2 月 [February 1902]
Collector: Kumakichi Aoki
Label information: 514
Condition: Dry

UMUTZ-PorfH-776

Date: 明治 30 年 4 月 21 日 [21 April 1897]

Condition: Dry

Subgenus *Ijimaonema*

Hyalonema (Ijimaonema) topsenti Ijima, 1927

UMUTZ-PorfH-231

Locality: Siboga St. 145

Label information: “Prof. I. Ijima, Tokyo. Hyalonema [“sibogae”を消してある] topsenti Ij. Specimen B. Siboga Stat. 145.”

Condition: Wet

Remarks: **Paratype**. “specimen B” in Ijima (1927, p. 62).

UMUTZ-PorfH-232 (Pl. 3, fig. 1)

Locality: Siboga St. 145

Label information: “Siboga-Expeditie. Stat: 145. Gehört zu der Zwei Hälften der Spongie von St. 145.” “Prof. I. Ijima, Tokyo. Hyalonema topsenti n.sp. Root... [illegible] belonging to the type specimen. Stat. 145. No use keeping this in alcohol.” “Prof. I. Ijima, Tokyo. 2 Stücke. Hyalonema topsenti Ij. Specimen A. Hierzu gehört ein stiel. Siboga Stat. 145”

Condition: Wet

Remarks: **Holotype** (Ijima, 1927, p. 62: Pl. III, figs. 1, 2).

Subgenus *Leptonema*

Hyalonema (Leptonema) divergens Schulze, 1887

UMUTZ-PorfH-428

Locality: Albatross, St. D5543

Date: Aug. 20, 1909

Condition: Wet

Hyalonema (Leptonema) urna Schulze, 1904

UMUTZ-PorfH-177

Locality: Valdivia 220, 2919 m

Label information: Hyalonema urna Schulze

Condition: Wet

Subgenus *Paradisconema*

Hyalonema (Paradisconema) vosmaeri Ijima, 1927

UMUTZ-PorfH-88

Locality: Siboga St. 256 (Kei Island)

Label information: “Prof. I. Ijima, Tokyo. Hyalonema vosmaeri Ij. Siboga Stat. 256. (Kei Islands).”

Condition: Wet

Remarks: 本標本はタイプ標本と同じロットであるが、Ijima (1927) は本標本の存在について全く言及していない。

UMUTZ-PorfH-261 (Pl. 2, fig. 4)

Locality: Siboga St. 256 (Kei Islands)

Label information: Hyalonema vosmaeri Ij

Condition: Wet

Remarks: **Holotype** (Ijima, 1927, p. 93: Pl. III, figs. 11, 12).

Subgenus *Prionema*
Hyalonema (Prionema) validum Schulze, 1904

UMUTZ-PorfH-179

Locality: Valdivia 258, 1362 m
Label information: *Hyalonema validum* Schulze
Condition: Wet

Subgenus *Thamononemiella*
Hyalonema (Thamononemiella) thamnophorum Ijima, 1927

UMUTZ-PorfH-255 (Pl. 3, fig. 2)

Locality: Siboga St. 221
Label information: "Prof. I. Ijima, Tokyo. *Hyalonema thamnophorum* n.sp. Siboga Stat. 221.", "Siboga-Expeditie. Stat. 221.", "St. 221"
Condition: Wet
Remarks: Syntype (Ijima, 1927, p. 100: Pl. II, fig. 17).

Hyalonema sp. 1

UMUTZ-PorfH-256

Locality: Siboga St. 210a
Label information: *Hyalonema claviferum* n. sp.[non *Hyalonema (Corynonema) clavigerum* (Schulze, 1886)]
Condition: Wet
Remarks: 飯島の MS name と思われる。亜属は不明。

Hyalonema spp.

UMUTZ-PorfH-73

Locality: Sagami Bay, St. 43, 297 fms
Date: 25/7/1896
Label information: *Hyalonema* sp.
Condition: Wet

UMUTZ-PorfH-78

Locality: Entr. to Enoura St. 5069, 131 fms
Date: Oct. 15
Label information: *Hyalonema* ?
Condition: Wet

UMUTZ-PorfH-102

Locality: Okinose, 350-400 hiro
Date: 1902
Collector: Kumakichi Aoki
Label information: *Hyalonema* sp.
Condition: Wet

UMUTZ-PorfH-111

Locality: Okinose
Date: May 1894
Collector: Kumakichi Aoki
Label information: *Hyalonema* n.sp., Sp. 318
Condition: Wet

UMUTZ-PorfH-377

Locality: Makuchigake, between Anezaki and Matsuwa, 170-250 hiro
Date: 2/6/96 [2 June 1896]

- Condition: Wet
UMUTZ-PorfH-378
Locality: オキノセ外、イワドガケ、400 ヒロ [Okinose soto, Iwadogake, 400 hiro]
Date: 明治 35 年 2 月 10 日 [10 February 1902]
Collector: Kumakichi Aoki
Label information: Sp. 466
Condition: Wet
- UMUTZ-PorfH-379
Locality: Golden Hind Exp. St. 39, Gokeba
Date: 18/7/1896
Condition: Wet
Remarks: H-375 の stalk?
- UMUTZ-PorfH-384
Locality: Albatross, St. 5601a
Date: Nov. 13, 1909
Condition: Wet
- UMUTZ-PorfH-385
Locality: Albatross, St. D5511
Date: Aug. 7, 1909
Condition: Wet
- UMUTZ-PorfH-386
Locality: Albatross, St. D5536
Date: Aug. 19, 1909
Condition: Wet
- UMUTZ-PorfH-387
Locality: Albatross, St. D5511
Date: Aug. 7, 1909
Condition: Wet
- UMUTZ-PorfH-390
Locality: Albatross, St. D5582
Date: Sept. 26, 1909
Condition: Wet (カビ生え?)
- UMUTZ-PorfH-426
Locality: Albatross, St. D5614
Date: Nov. 22, 1909
Condition: Wet
- UMUTZ-PorfH-436
Locality: Albatross, Philippine Exp. 1907-9, St. 5503
Date: Aug. 4, 1909
Condition: Wet
- UMUTZ-PorfH-460
Locality: Gokeba, Golden Hind Exp. St. 39
Date: 18/7/96 [18 July 1896]
Condition: Wet (状態悪し、破損)
- UMUTZ-PorfH-590
Locality: オキノセ
Date: 明治 33 年 [1900]
Condition: Dry
- UMUTZ-PorfH-642
No data

Condition: Dry
UMUTZ-PorfH-657
No data
Condition: Dry
UMUTZ-PorfH-660
Locality: Haidashi
Date: March 1894
Collector: Kumakichi Aoki
Label information: 165 他
Condition: Dry
UMUTZ-PorfH-686
No data
Condition: Dry

Family Monorhahididae
Genus *Monorhaphis*
Monorhaphis chuni Schulze, 1904

UMUTZ-PorfH-128
Locality: Valdivia 249, 748 m [264, 1079 m に訂正してある]
Label information: *Monorhaphis chuni* Schulze
Condition: Wet
UMUTZ-PorfH-237
Locality: Siboga St. 284
Label information: *Monorhaphis chuni* Schulze
Condition: Dry
Remarks: 他に分割標有り (H-254). Ijima (1927, p. 37: Pl. VI, fig. 12).
UMUTZ-PorfH-254
Locality: Siboga St. 284
Label information: “Prof. I. Ijima, Tokyo. *Monorhaphis chuni* F. E. Sch. Siboga Stat. 284.”,
“Prof. I. Ijima, Tokyo. *Monorhaphis chuni* Stat. 284. This piece is probably... [illegible]
off from the the dried specimens preserved in another bottle. Originally found in the
same bottle.”
Condition: Wet
Remarks: Ijima (1927, p. 37: Pl. VI, fig. 11).

Family Pheronematidae オキナカイメン科
Genus *Pheronema*
Pheronema echinatum Ijima, 1927

UMUTZ-PorfH-155
Locality: 鹿児島チクラ島サンゴ船 70 ヒロ [Chikura Island, Kagoshima, 70 hiro]
Date: 明治 32 年 7 月 13 日 [13 July 1899]
Collector: 宮嶋
Label information: Pheronemid
Condition: Wet
UMUTZ-PorfH-371
Locality: Albatross St. D-5440
Date: May 10, 1909
Condition: Wet

Pheronema giganteum Schulze, 1886

UMUTZ-PorfH-434

Locality: Albatross, St. D56670

Date: Dec. 20, 1909

Condition: Wet

UMUTZ-PorfH-465

Locality: 95 fms

Date: Aug. 9, 1906

Label information: Albatross 4894

Condition: Wet

UMUTZ-PorfH-620

Date: Aug. 10, 1909(?)

Label information: *Pheronema* cf. *giganteum* Schulze, Albatross D 5523 (?)

Condition: Dry

Pheronema globosum kagoshimensis Okada, 1932

UMUTZ-PorfH-285

Locality: Albatross Coll. St. 4936

Label information: "Sci Coll Mus. *Pheronema globosum* n. sp. ["n. var."を消して"n. sp."に修正] *kagoshimensis*. Albatross Coll. Station 4936"

Condition: Wet

Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22026) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932, p. 6: Pl. 1, fig. 4)。

Pheronema ijimai Okada, 1932

UMUTZ-PorfH-6

Locality: Albatross coll. St. 4934

Label information: "Sci Coll Mus. *Pheronema ijimai* n. sp. Albatross Coll. Station 4934"

Condition: Wet

Remarks: **Paratype**. Either "specimen B", "specimen C", or "specimen D" in Okada (1932, p. 8).

UMUTZ-PorfH-286

Locality: Albatross Coll. St. 4893

Label information: "Sci Coll Mus. *Pheronema ijimai* n. sp. Albatross Coll. Station 4893"

Condition: Wet

Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22027) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932, p. 8: Pl. 2, fig. 1)。

Pheronema pepo Ijima and Okada, 1938

UMUTZ-PorfH-276 (Pl. 3, fig. 3)

Locality: near Doketsuba, ca. 180 hiro

Date: 11/8/95 [11 August 1895]

Label information: "Sp. 458. *Pheronema pepo* Ij. The largest fragment has been once dried." "458. Type. *Pheronema pepo*... [illegible]" "458. *Pheronema pepo*. 11/8/95. ca. 180 hiro. Loc. undetermined on account of mist; near Doketsuba, together with Eupl. marsh. Farrea &c"

Condition: Wet (崩れている、カビはえ)

Remarks: **Holotype** (Ijima and Okada, 1938, p. 421: Pl. 11, figs. 1-16).

Pheronema surugense Okada, 1932

UMUTZ-PorfH-5

Locality: Albatross coll. St. 5084

Label information: "Pheronema surugoensis [sic] n. sp."

Condition: Wet

Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22028) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932, p. 13)。

Pheronema weberi Ijima, 1927

UMUTZ-PorfH-66

Locality: Siboga St. 253

Label information: "Pheronema weberi. Siboga Stat 253" [オリジナルラベルではなさそう]

Condition: Wet

Remarks: **Syntypes**. 3 specimens. "specimens A, B, C" in Ijima (1297, p. 17: Pl. IV, figs. 10-12).

UMUTZ-PorfH-240 (Pl. 3, fig. 4)

Locality: Siboga St. 256

Label information: "Prof. I. Ijima, Tokyo. Pheronema weberi Ij. Siboga Stat. 256."

"Siboga-Expeditie Stat. 256."

Condition: Wet

Remarks: **Syntype**

Pheronema spp.

UMUTZ-PorfH-2

Locality: ヌマ 300 [Numa]

Date: 明治 36 年 [1903]

Collector: Kakichi Mitsukuri and Kumakichi Aoki

Label information: a. Pheronemid

Condition: Wet

UMUTZ-PorfH-77

Locality: Alb. St. 4772, Depth: 344

Date: June 4

Label information: Pheronemis ?

Condition: Wet

UMUTZ-PorfH-107

Locality: Okinose, 350 hiro

Date: 10/2/1902

Collector: Kumakichi Aoki

Label information: Pheronemid ?

Condition: Wet

UMUTZ-PorfH-373

No data

Condition: Wet

Remarks: エビ共生

UMUTZ-PorfH-431

Locality: Albatross, St. 5440

Date: May 5, 1909

Condition: Wet

UMUTZ-PorfH-433
Locality: Albatross, St. 566?0
Date: Dec. 20, 1909
Condition: Wet
Remarks: H-431 の一部

UMUTZ-PorfH-449
Condition: Wet

Genus *Platylistrum*
Platylistrum platessa Schulze, 1904

UMUTZ-PorfH-291
Locality: Valdivia St. 252, 1019 m
Label information: *Platylistrum platessa* Schulze
Condition: Wet

Genus *Semperella*
Semperella cucumis Schulze, 1895

UMUTZ-PorfH-51
Locality: Valdivia 208, 296 m
Label information: *Semperella* on... [illegible] mis F.E.Sch.
Condition: Wet

Semperella schulzei (Semper, 1868)

UMUTZ-PorfH-62
Locality: Albatross coll. St. 4934
Label information: *Semperella schulzei* (Semper)
Condition: Wet
Remarks: Okada (1932, p. 16).

UMUTZ-PorfH-101
Locality: Albatross coll. St. 4903
Label information: *Semperella schulzei* (Semper)
Condition: Wet
Remarks: Okada (1932, p. 16).

UMUTZ-PorfH-552
Locality: 房州沖 [Off Boshu]
Date: 1894
Label information: *Semperella schulzei*, Sp. no. 309
Condition: Dry

UMUTZ-PorfH-557
Locality: Sagami Sea
Label information: *Semperella schulzei*, Sp. 500, OC4566
Condition: Dry
Remarks: Ijima and Okada (1938, pp. 441-454) で検討された標本の可能性あり。

UMUTZ-PorfH-817
Condition: Dry

Semperella similis Ijima, 1927 カドバリレースカイメン

UMUTZ-PorfH-427
Locality: Albatross, St. D5614
Date: Nov. 22, 1909

- Condition: Wet
UMUTZ-PorfH-501
Locality: スールー海 [Sulu Sea], 1712-1840 m (東大白鳳丸 [R/V Hakuho-maru] KH2:
St. 14)
Date: 1972年5月27日
Collector: Masuoki Horikoshi and Suguru Ota
Label information: *Semperella similis* Ijima
Condition: Dry
UMUTZ-PorfH-721 (Pl. 4, fig. 1)
Locality: Siboga Stat. 122
Label information: "Prof. I. Ijima, Tokyo. *Semperella similis* Ij. Siboga Stat. 122."
Condition: Dry
Remarks: **Holotype** (Ijima, 1927: p. 29: Pl. VI, figs. 1, 2; Textfig. 2).

Semperella spinifera Schulze, 1905

- UMUTZ-PorfH-119
Locality: Valdivia 192, 371 m
Label information: *Semperella spinifera* Schulze
Condition: Wet

Semperella stomata Ijima, 1896

- UMUTZ-PorfH-37
Locality: Off Inatori, St. 9
Date: 23/7/94 [23 July 1894]
Collector: Ijima
Label information: *Semperella stomata* Ij, Sp. 310
Condition: Wet
UMUTZ-PorfH-127
Locality: St. 44, 300-400 hiro
Date: 26/7/1896
Label information: *Semperella stomata* Ij
Condition: Wet
UMUTZ-PorfH-190
Locality: Honba, 400 hiro
Date: 3/5/94 [3 May 1894]
Collector: Kumakichi Aoki
Label information: *Semperella stomata* Ij, Sp. 311
Condition: Wet
UMUTZ-PorfH-525
Locality: 前のヨドミ [Maenoyodomi]
Label information: *Semperella stomata* Ijima, 471
Condition: Dry
UMUTZ-PorfH-549
Locality: オキノセ外、350-400 ヒロ [Okinose soto, 350-400 hiro]
Date: 明治35年2月 [February 1902]
Collector: Kumakichi Aoki
Label information: *Semperella stomata*
Condition: Dry

***Semperella* spp.**

- UMUTZ-PorfH-425
Locality: Albatross, St. D5648
Date: Dec. 16, 1909
Condition: Wet
- UMUTZ-PorfH-430
Locality: Albatross, St. D5543
Date: Aug. 20, 1909
Condition: Wet
- UMUTZ-PorfH-473
Locality: Sengenzuka Gake, Uchibeta, 850 hiro
Collector: Kumakichi Aoki
Condition: Wet

Genus ***Sericolophus***

Sericolophus reflexus (Ijima, 1894) バテイカイメン

- UMUTZ-PorfH-7
Locality: Albatross coll. St. 4919
Label information: *Sericolophus reflexus* (Ijima)
Condition: Wet
Remarks: Specimens B-H in Okada (1932, p. 15).
- UMUTZ-PorfH-28
Label information: *Sericolophus reflexus*
- UMUTZ-PorfH-150
Locality: オキノセ外 [Okinose soto]
Date: 1912年3月、1901年4月
Collector: Kumakichi Aoki
Label information: *Sericolophus reflexus* (Ij.)
Condition: Wet (良好)
- UMUTZ-PorfH-172
Locality: Gokeba, Kensaki, 400 hiro
Date: Latter part April '95 [April 1895]
Label information: *Pheronema reflexum*, Sp. 463
Condition: Wet (良好)
- UMUTZ-PorfH-192
Locality: Homba, 400 hiro
Date: May 14th '97 [14 May 1897]
Label information: *Pheronema reflexum* (Ij) 外ラベル *Sericolopreus reflex* (Ij), Sp. 465
Condition: Wet (状態悪し)
Remarks: Ijima and Okada (1938, pp. 433-441, Pl.10, figs.4-8, Pl. 13, figs. 1 and 2, Pl. 14, figs. 1-6.).
- UMUTZ-PorfH-213
Locality: 沖ノ瀬、イワドガケ外 350 ヒロ [Okinose, Iwadogakesoto, 350 hiro]
Date: 明治 32 年 4 月 20 日 [20 April 1899]
Collector: Kumakichi Aoki
Label information: *Sericolophus reflexus* Ij, Sp. 475
Condition: Wet
- UMUTZ-PorfH-252
Locality: Siboga St. 284
Label information: *Sericolophus reflexus* (Ij)

- Condition: Wet
Remarks: Ijima (1927, p. 26).
- UMUTZ-PorfH-253
Locality: Siboga St. 145
Label information: *Sericokophus reflexus* (Ij)
Condition: Wet
Remarks: Ijima (1927, p. 26).
- UMUTZ-PorfH-297
Locality: オキノセ外、400 ヒロ [Okinose soto, 400 hiro]
Date: 明治 33 年 2 月 18 日 [18 February 1900]
Collector: Kumakichi Aoki
Condition: Wet
- UMUTZ-PorfH-376
Locality: Albatross St. 4917, 361 fms
Date: Aug. 13, 1906
Condition: Wet
Remarks: “specimen A” in Okada (1932, p. 15).
- UMUTZ-PorfH-678
Locality: Okinose soto, 350-400 hiro
Date: 明治 35 年 2 月 [February 1902]
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-689-1
Locality: Sagami Sea
Label information: “Sci. Col. Mus. Spec. 462. *Hyalonema reflexum*. *Pheronema reflexum* (Ij). Type. Sagami Sea. Pres. by Mr. Owston”
Condition: Dry (状態悪し、本体破損)
Remarks: 黒ラベルに”Type”と明記されているが、ラベルのみで標本本体は紛失。以下の U MUTZ-PorfH-689-2~5 とは異なり、台座に突き立てられてはいなかったらしい。
- UMUTZ-PorfH-689-2
Locality: Gokeba
Date: April 1895
Collector: Kumakichi Aoki
Label information: “Types. *Sericolophus reflexus* Ij. Sp. no. 463 = Out of 6 specimens; Gokeba -4/95. K.”
Condition: Dry (状態悪し、本体破損)
Remarks: 台座に張り付けられた赤ラベルに”Types”とあるが、採集日から判断するとタイプシリーズではあり得ない。本文 p. 5 参照。UMUTZ-PorfH-689-2~5 は台座に突き立てられていたらしく、展示用の標本であったと思われる。
- UMUTZ-PorfH-689-3
Locality: Mera-no-Se
Date: 7 April 1896
Collector: Kumakichi Aoki
Label information: “Types. *Sericolophus reflexus* Ij. Sp. no. 464. Mera-no-Se 7/4/96. K.”
Condition: Dry (状態悪し、本体破損)
Remarks: 台座に張り付けられた赤ラベルに”Types”とあるが、採集日から判断するとタイプシリーズではあり得ない。本文 p. 5 参照。UMUTZ-PorfH-689-2~5 は台座に突き立てられていたらしく、展示用の標本であったと思われる。

UMUTZ-PorfH-689-4

Locality: Homba

Date: 14 May 1897

Collector: Kumakichi Aoki

Label information: "Types. *Sericolophus reflexus* Ij. Sp. no. 465. Out of 3 specimens ;
Homba 14/5/97. K."

Condition: Dry (状態悪し、本体破損)

Remarks: 台座に張り付けられた赤ラベルに"Types"とあるが、採集日から判断するとタイプシリーズではあり得ない。本文 p. 5 参照。UMUTZ-PorfH-689-2~5 は台座に突き立てられていたらしく、展示用の標本であったと思われる。

UMUTZ-PorfH-689-5

Locality: Iwadogake no soto

Date: May 1895

Collector: Kumakichi Aoki

Label information: "Types. *Sericolophus reflexus* Ij. Sp. no. 466. Out of 4 specimens ;
Iwadogake no soto -/5/95. K."

Condition: Dry (状態悪し、本体破損)

Remarks: 台座に張り付けられた赤ラベルに"Types"とあるが、採集日から判断するとタイプシリーズではあり得ない。本文 p. 5 参照。UMUTZ-PorfH-689-2~5 は台座に突き立てられていたらしく、展示用の標本であったと思われる。

UMUTZ-PorfH-763

Locality: Sagami Sea, Okinose? 300 hiro

Date: March 1921

Condition: Dry

Order Fieldingida
Family Uncinateridae
Genus *Tretopleura*

Tretopleura candelabrum Ijima, 1927

UMUTZ-PorfH-530-1 (Pl. 4, fig. 2)

Locality: Siboga St. 226

Label information: "Prof. I. Ijima, Tokyo. *Elasmopleura candelabrum* n.g. n. sp. The type specimen. Siboga Stat. 226", "Siboga—Expeditie Stat. 226.", "From Stat. 226. All dead, washed out fragments, probably from more than one stock. *Elasmopleura candelabrum* Ij."

Condition: Dry

Remarks: **Holotype**. Ijima (1927, p. 280: Pl. XXI, figs. 8, 9).

UMUTZ-PorfH-530-2

Locality: Siboga St. 226

Label information: "Prof. I. Ijima, Tokyo. *Elasmopleura candelabrum* n.g. n. sp. The type specimen. Siboga Stat. 226", "Siboga—Expeditie Stat. 226.", "From Stat. 226. All dead, washed out fragments, probably from more than one stock. *Elasmopleura candelabrum* Ij."

Condition: Dry

Remarks: **Paratype**. Ijima (1927, p. 280: Pl. XXI, fig. 11).

? *Tretopleura* sp.

UMUTZ-PorfH-816

Locality: Albatross D5545

Date: ? 20, 1907

Condition: Dry (状態悪し)

Order Hexactinosida 六放目
Family Aphrocallistidae タコアシカイメン科

Genus *Aphrocallistes*

Aphrocallistes beatrix beatrix Gray, 1858

UMUTZ-PorfH-115

Locality: Valdivia 192, 371 m

Label information: *Aphrocallistes bocagei* Wright

Condition: Wet

UMUTZ-PorfH-129

Locality: Kozushima

Date: Aug. 21 (1893?)

Label information: *Aphrocallistes bocagestrum*

Condition: Wet

Aphrocallistes beatrix orientalis Ijima, 1916 タコアシカイメン

UMUTZ-PorfH-15

Locality: Albatross coll. St. 4934 (鹿児島湾沖)

Label information: *Aphrocallistes beatrix orientalis* Ij.

Condition: Wet

Remarks: "Specimen D" in Okada (1932).

UMUTZ-PorfH-38

Locality: Albatross coll. St. 4890

Label information: *Aphrocallistes beatrix orientalis* Ij

Condition: Wet

Remarks: "Specimen A" in Okada (1932).

UMUTZ-PorfH-41

Locality: Albatross coll. St. 4895

Label information: *Aphrocallistes beatrix orientalis* Ijima

Condition: Wet

Remarks: "Specimen C" in Okada (1932).

UMUTZ-PorfH-158

Locality: Albatross coll. St. 4937

Label information: *Aphrocallistes beatrix orientalis* Ijima

Condition: Wet

Remarks: "Specimen E" in Okada (1932).

UMUTZ-PorfH-167 (Pl. 4, fig. 3)

Locality: Doketsuba, St. 13

Label information: "Sp. 279 *Aphrocallistes* Yellowish in fr. state. Stat. 13...[illegible] abs.

Alc...[illegible]", "Stat. 13 is in Doketsuba!"

Condition: Wet

Remarks: **Syntype** (Ijima, 1916, p. 176).

UMUTZ-PorfH-185

Locality: China Sea, South of Hainan Island, depth 120 fms. Lat 17° 14' N, Long 110° 26'

E

Date: March 1909

Collector: Ladds

Label information: *Aphrocallistes beatrix orientalis*, 20

Condition: Wet

- UMUTZ-PorfH-191
Locality: オニガセ、ゴケバ 150 ヒロ [Onigase, Gokeba, 150 hiro]
Date: 明治 35 年 6 月 18 日 [18 June 1902]
Label information: *Aphrocallistes ramosus*
Condition: Wet
- UMUTZ-PorfH-196
Locality: St. 6 Midway betw. Sunosaki and Okinose
Label information: *Aphrocallistes* sp., Sp. 280 (0 ?)
Condition: Wet
- UMUTZ-PorfH-222
Locality: St. 6
Label information: *Aphrocallistes* sp., Sp. 281(287?)
Condition: Wet
- UMUTZ-PorfH-227
Locality: Entrance to Enoura Bay, 120 hiro
Date: June 1, 1905
Collector: Kumakichi Aoki
Label information: *Aphrocallistes beatrix* Gray, Sp. 550, Bashford Dean Collection
Condition: Wet (良好)
- UMUTZ-PorfH-300
Locality: Meranohanadashi-Oisegake, 350 hiro. Bishamongake-kimuraippai, 80 hiro.
—Oshima 40 hiro
Date: July 21 1913, 7 月 24 日
Collector: Matsumoto, Chiba
Condition: Wet
- UMUTZ-PorfH-301
Locality: from Okinose, 300 fms
Date: 29/III/92 [29 March 1892]
Condition: Wet
- UMUTZ-PorfH-302
Locality: Meranohanadasi-Oisegake, 350 hiro
Date: July 1913
Collector: Matsumoto, Chiba
Condition: Wet
Remarks: *Farrea* sp. 含む
- UMUTZ-PorfH-303
Locality: Nisinoyodomi, 黒崎掛、500 ヒロ [Kurosakigake, 500 hiro]
Date: 11/4/94 [11 April 1894]
Condition: Wet
- UMUTZ-PorfH-304
Locality: Sengenzuka-Aoyamadasi, 100 hiro
Date: 1913 年 7 月 20 日
Collector: Matsumoto, Chiba
Condition: Wet
- UMUTZ-PorfH-305
Locality: Off Odawara, St. 24
Date: 1/8/95 [1 August 1895]
Condition: Wet
- UMUTZ-PorfH-306
No data

Condition: Wet
UMUTZ-PorfH-307
Locality: St. M
Date: II/20
Condition: Wet
UMUTZ-PorfH-308
Locality: Golden Hind Exped. St. 45
Date: 30/7/1896
Collector: Ijima
Condition: Wet
UMUTZ-PorfH-309
Locality: Misaki, 西のヨドミ [Nishinoyodomi], St. 17
Date: 16/VIII/94 [16 August 1894]
Condition: Wet
UMUTZ-PorfH-310
Locality: サング場 [Sangoba]
Condition: Wet
UMUTZ-PorfH-311
Locality: From Yodomi, 150 fms
Date: 26/III 1922
Condition: Wet
UMUTZ-PorfH-312
Locality: Off Manazuru, St. 26, 350 hiro
Date: 2/8/95 [2 August 1895]
Collector: Ijima
Condition: Wet
UMUTZ-PorfH-313
Locality: Sagami Sea
Date: 1914
Collector: Matsumoto
Label information: Sp. 557
Condition: Wet
UMUTZ-PorfH-314
No data
Condition: Wet
UMUTZ-PorfH-315
Locality: Golden Hind' Exped., St. 34, 75 fms. (95 ヒロ)
Date: 1896 年 7 月 14 日
Condition: Wet
UMUTZ-PorfH-316
Locality: Nakano yodomi, 100hiro
Date: 4/8/1899
Collector: Kumakichi Aoki
Condition: Wet
UMUTZ-PorfH-317
Locality: Siboga St. 145
Condition: Wet
UMUTZ-PorfH-318
No data
Condition: Wet

- UMUTZ-PorfH-319
Locality: 同穴場、150 ヒロ [Doketsuba, 150 hiro]
Date: 明治 31 年 10 月 [October 1898]
Collector: Kumakichi Aoki
Condition: Wet
- UMUTZ-PorfH-320
Locality: S8, 32
Date: 10/VIII
Condition: Wet
Remarks: Farrea 含む
- UMUTZ-PorfH-321
Locality: St. SG-2 和歌山新宮沖 [Off Shingu, Wakayama] 145 m
Label information: KT-99-17
Condition: Dry
- UMUTZ-PorfH-404
Locality: Yodomi maye, 80hiro
Date: Aug. 9th, 1915 Dosun maru
Collector: Ijima
Condition: Wet
- UMUTZ-PorfH-418
Locality: Sagami Sea
Date: 1914
Collector: Matsumoto
Label information: Sp. 556
Condition: Wet
- UMUTZ-PorfH-474
Locality: Entrance to Eonura, 100 hiro
Date: 2 June 1905
Collector: Kumakichi Aoki
Condition: 一度カビ生え
- UMUTZ-PorfH-673
Date: May 1894
Collector: Kumakichi Aoki
Label information: Aphrocallistes sp.
Condition: Dry
- UMUTZ-PorfH-681
Locality: オキノセ外 [Okinose soto]
Date: 1900(明治 33 年)12 月
Collector: Kumakichi Aoki
Label information: Aphrocallistes sp.
Condition: Dry
- UMUTZ-PorfH-684
Locality: Mae no Yodomi, 350 hiro
Date: May '95 [May 1895]
Collector: Kumakichi Aoki
Label information: Aphrocallistes sp.
Condition: Dry
- UMUTZ-PorfH-714
Locality: 三崎内ベタ、350 ヒロ [Misaki, Uchibeta, 350 hiro]

- Date: 明治 31 年 12 月 4 日 [4 December 1898]
Condition: Dry
- UMUTZ-PorfH-735
Locality: Okinose, 400 hiro
Date: March 1894
Collector: Kumakichi Aoki
Label information: Aphrocallistes, Sp. 151
Condition: Dry
- UMUTZ-PorfH-761
Locality: Okinose soto
Date: 明治 33 年 12 月 [December 1900]
Collector: Kumakichi Aoki
Label information: Aphrocallistes
Condition: Dry
- UMUTZ-PorfH-762
Locality: Mochiyama, 300-400 hiro
Date: 2/5/94 [2 May 1894]
Collector: Kumakichi Aoki
Label information: Aphrocallistes
Condition: Dry
- UMUTZ-PorfH-782
Locality: Mochiyama 300-400 hiro
Date: May 2, 1894
Label information: Farrea
Condition: Dry

Aphrocallistes intermedia Okada, 1932

- UMUTZ-PorfH-17
Locality: Albatross coll. St. 4803 (千島)
Label information: "Sci Coll Mus. Aphrocallistes intermedia n. sp. Albatross Coll. Station 4803" [同一データのラベル 2 枚あり]
Condition: Wet
Remarks: A fragment of syntype. "cotype" (= syntype) の主要部 (USNM 22121) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932)。

Aphrocallistes vastus Schulze, 1886

- UMUTZ-PorfH-790
Locality: Iwadogake no uchibeta, 350 hiro, North to Stat. 5
Date: 21/12/94 [21 December 1894]
Collector: Kumakichi Aoki
Label information: Aphrocallistes vastus, Sp. 282
Condition: Dry
Remarks: ビワガラインシに付着

Aphrocallistes yatsui Okada, 1932

- UMUTZ-PorfH-16
Locality: Albatross coll. St. 4781 (アリューション)
Label information: "Sci Coll Mus. Aphrocallistes yatsui n. sp. Albatross Coll. Station 4781"

Condition: Wet

Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22108) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932, p. 56: Pl. 4, figs. 2, 3)。

Aphrocallistes spp.

UMUTZ-PorfH-131

Locality: Loc. undetermined but near or at Doketsuba, ca 180 hiro

Date: 11/8/95 [11 August 1895]

Label information: Tanulor as Pheronema

Condition: Wet

UMUTZ-PorfH-132

Label information: Ophrocallistes [sic]

Condition: Wet

UMUTZ-PorfH-157

Locality: 3 ri off Sunosaki, 300 hiro

Date: 14/7/94 [14 July 1894]

Label information: Aphrocallistes

Condition: Wet

UMUTZ-PorfH-163

Locality: Sengenzuka, Uchibeta

Label information: Aphrocallistes

Condition: Wet

UMUTZ-PorfH-166

Locality: Valdivia 192, 371 m

Label information: Aphrocallistes sp.

Condition: Wet

UMUTZ-PorfH-169

Data illegible

Condition: Wet

UMUTZ-PorfH-200

Locality: 高知県柏島と清水港との間、西方沖 60 ヒロ [Between Kashiwajima Island and Shimizu Port, Kochi, 60 hiro]

Date: 明治 41 年 6 月 [June 1908]

Collector: 木下熊男

Label information: Aphrocallistes sp.

Condition: Wet

UMUTZ-PorfH-258a

Locality: Sagami Sea

Date: March 1896

Label information: Aphrocallistes, Chonelasma, Farrea

Condition: Wet

UMUTZ-PorfH-347

Locality: Entrance Enoura, 100 hiro

Date: 2 June 1905

Label information: Bashford Dean Collection

Collector: Kumakichi Aoki

Condition: Wet

UMUTZ-PorfH-348

Locality: near Doketsuba, 170-180 hiro

Date: 12/8/95 [12 August 1895]
Condition: Wet
Remarks: Farrea 含む

UMUTZ-PorfH-408
Locality: St. 159
Condition: Wet

UMUTZ-PorfH-411
Date: 10/VIII
Label information: Sp. 34
Condition: Wet

UMUTZ-PorfH-435
Locality: Albatross, St. 4768, 764 (fms ?)
Date: 3 June 1906
Condition: Wet

UMUTZ-PorfH-468
Date: 1906
Label information: Albatross
Condition: Wet
Remarks: H-466 の一部か?

UMUTZ-PorfH-524
Locality: Sengenzuka uchibeta, ca 450 hiro
Date: Feb. 23, '89 [23 February 1889]
Label information: Sp. 426
Condition: Dry

UMUTZ-PorfH-596
Locality: Mochiyama, 300-400 hiro
Date: 2 May 1894
Collector: Kumakichi Aoki
Label information: Aphrocallistes
Condition: Dry

UMUTZ-PorfH-605
Locality: Yodomi, 200 hiro
Date: 22/5/94 [22 May 1894]
Condition: Dry

UMUTZ-PorfH-609
Locality: Mae no Yodomi, ca.400 hiro
Date: April 2, 1894
Collector: Kakichi Mitsukuri and Isao Ijima
Label information: Aphrocallistes
Condition: Dry

UMUTZ-PorfH-621
Locality: St. 34, 95 hiro (75 fms)
Date: July 14, 1896
Label information: Aphrocallistes
Condition: Dry

UMUTZ-PorfH-623
Locality: Mochiyama
Date: 4/5/95 [4 May 1895]
Label information: Aphrocallistes, Sp. 359
Condition: Dry

UMUTZ-PorfH-716

Locality: Albatross D-5536 他

Date: Aug. 1909

Condition: Dry

Remarks: abnormal

UMUTZ-PorfH-764a

Locality: オキノセ外 [Okinose soto]

Date: 明治 33 年 12 月 [December 1900]

Collector: Kumakichi Aoki

Label information: Aphrocallistes, Acanthascus, Farrea

Condition: Dry

Remarks: 3 種が融合

UMUTZ-PorfH-765

Locality: Sagami Sea

Date: 1913

Collector: Kumakichi Aoki

Condition: Dry

Genus *Heterochone*

Heterochone aleutiana (Okada, 1932)

UMUTZ-PorfH-220

Locality: Albatross coll. St. 4780, 1046 ftm

Date: 1906 年 6 月 7 日

Label information: "Station 4780 Depth 1046 Date June 7. Steamer ALBATROSS

Northwest Pacific. 1906", "Sci Coll Mus. Aphrocallistes aleutianus n. sp. Albatross Coll. Station. 4780"

Remarks: A fragment of **syntype**. Syntype の主要部分 (登録番号不明) は National Museum of Natural History, Smithsonian Institution に収蔵されていると思われる。

Heterochone calyx (Schulze, 1886)

UMUTZ-PorfH-505

Locality: Sagami Sea, mae no yodomi, 400 hiro

Date: 7/3/95 [7 March 1895]

Collector: Kumakichi Aoki

Label information: Chonelasma calyx Schulze, Sp. 405

Condition: Dry

UMUTZ-PorfH-531

Locality: Okinose

Date: May 1894

Collector: Kumakichi Aoki

Label information: Chonelasma calyx

Condition: Dry

UMUTZ-PorfH-532

Locality: Mochiyama

Date: Dec. 1894

Collector: Kumakichi Aoki

Label information: Chonelasma calyx, sp. 286

Condition: Dry

UMUTZ-PorfH-534

Locality: Sagami Bay, Homba, 400 hiro

- Date: 17/12/94 [17 December 1894]
Collector: Kumakichi Aoki
Label information: Chonelasma calyx
Condition: Dry
- UMUTZ-PorfH-539
Locality: Okinose, about 300 hiro
Date: -/3/94 [March 1894]
Collector: Kumakichi Aoki
Label information: Staurocalyptus glaber
Condition: Dry
- UMUTZ-PorfH-550
No data
Condition: Dry
- UMUTZ-PorfH-560
No data
Condition: Dry
- UMUTZ-PorfH-562
Locality: オキノセ外、350-400 ヒロ [Okinose soto, 350-400 hiro]
Date: 明治 31 年 12 月 15 日 [15 December 1898]
Collector: Kumakichi Aoki
Label information: Chonelasma calyx Schulze
Condition: Dry
- UMUTZ-PorfH-612
Locality: Homba, 300-400 hiro
Date: April 17, 1894
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-694
Locality: オキノセ外 [Okinose soto]
Date: 明治 33 年 12 月 [December 1900]
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-695
Condition: Dry
- UMUTZ-PorfH-696
Locality: Merase, ca. 400 hiro
Date: 7/4/96 [7 April 1896]
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-707
Locality: モチ山 [Mochiyama]
Date: 1894 年 5 月 2 日
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-708
Locality: モチ山 [Mochiyama]
Date: 1894 年 12 月 購入
Condition: Dry
- UMUTZ-PorfH-738
Date: 明治 27 年 4 月 [April 1894]

Condition: Dry

Family Cribrospongiidae
Genus *Stereochlamis* (= *Tretorete*)
Stereochlamis incertum (Ijima, 1927)

UMUTZ-PorfH-818 (Pl. 4, fig. 4)

Label information: "Stat. 105. near Jolo I., [illegible] Archipelago" [illegible]

Condition: Wet

Remarks: Three syntypes. Ijima (1927: Pl. XVIII, fig. 18) の個体および Pl. XVIII, figs. 19, 20 の個体、さらに別な 1 個体 (second specimens ?).

Family Euretidae 真正アミカイメン科
Subfamily Chonelasmatinae
Genus *Chonelasma*
Chonelasma cf. lamella Schulze, 1886

UMUTZ-PorfH-103

Locality: St. 259

Label information: Possibly *Chonelasma lasum* (F.E.S.) Ijima but too uncertain to report on

Condition: Wet

Chonelasma spp.

UMUTZ-PorfH-25

Locality: Okinose soto

Label information: *Chonelasma* ? *Aphrocallistis* ?, Sp. 452

Condition: Wet

UMUTZ-PorfH-31a

Locality: Mochiyama, 400 hiro

Date: Aug. 1897

Collector: Kumakichi Aoki

Label information: *Chonelasma* sp. *Farrea* sp.

Condition: Wet

UMUTZ-PorfH-61

Locality: Onigase uchibata, 300-400 hiro

Date: Dec. '94 [December 1894]

Collector: Kumakichi Aoki

Label information: *Chonelasma*, Sp. 306

Condition: Wet

UMUTZ-PorfH-85

Locality: Okinose, 350 hiro

Date: 10/2/1902

Collector: Kumakichi Aoki

Label information: *Chonelasma*

Condition: Wet

UMUTZ-PorfH-95

Locality: Off Inatori

Date: 23/7/94 [23 July 1894]

Label information: *Chonelasma* dist. sp., Sp. 303

Condition: Wet

UMUTZ-PorfH-122

Locality: 前のヨドミ、300 ヒロ [Maenoyodomi, 300 hiro]

- Date: 明治 38 年 3 月 22 日 [22 March 1905]
 Collector: Kumakichi Aoki
 Label information: Chonelasma
 Condition: Wet
- UMUTZ-PorfH-258b
 Locality: Sagami Sea
 Date: March 1896
 Label information: Aphrocallistes, Chonelasma, Farrea
 Condition: Wet
- UMUTZ-PorfH-410
 Locality: Albatross St. 5093
 Date: Oct. 26, 1909?
- UMUTZ-PorfH-455
 Locality: Siboga Exp. St. 280
 Condition: Wet
- UMUTZ-PorfH-456
 Locality: Albatross St. 4797, 682 fms
 Date: 20 June 1906
 Condition: Wet
- UMUTZ-PorfH-462
 Locality: Albatross 4803, Northwest Pacific, 229 (fms)
 Date: June 24, 1906
 Condition: Wet
 Remarks: 2 本に分割
- UMUTZ-PorfH-463
 Locality: Albatross 4771, 426 fms
 Date: June 4, 1906
 Condition: Wet
- UMUTZ-PorfH-564
 Locality: Okinose outside
 Date: April 1901
 Collector: Kumakichi Aoki
 Label information: Chonelasma sp. A, Sp. 567
 Condition: Dry (スライド 1 枚)
- UMUTZ-PorfH-697
 Locality: Sagami sea
 Date: 1913
 Collector: Kumakichi Aoki
 Condition: Dry
- UMUTZ-PorfH-760
 Locality: イワドガケ外、300-400 尋 [Iwadogake soto, 300-400 hiro]
 Date: ??月 20 日
 Collector: Kumakichi Aoki
 Label information: Chonelasma
 Condition: Dry
- UMUTZ-PorfH-805
 Date: 1893
 Collector: Mitsukuri and Ijima
 Label information: Sp. 182
 Condition: Dry

UMUTZ-PortH-811

Locality: 沖ノ瀬 [Okinose]
Date: 明治 30 年 4 月 21 日 [21 April 1897]
Condition: Dry

Genus *Periphragella*

Periphragella elisae Marshall, 1875 コモチツボカイメン

UMUTZ-PortH-50

Locality: Albatross coll. St. 5088
Label information: *Periphragella elisae* Marshall
Condition: Wet
Remarks: Okada (1932, p. 50).

UMUTZ-PortH-295

Locality: Mochiyama
Date: 7/4/94 [7 April 1894]
Collector: Kumakichi Aoki
Condition: Wet

UMUTZ-PortH-296

Locality: Okinose, 300hiro
Date: 2/4/94 [2 April 1894]
Collector: Kumakichi Aoki
Label information: 256
Condition: Wet

UMUTZ-PortH-352

Locality: 鬼ヶ瀬ゴケバ、150-200 ヒロ [Onigase, Gokeba, 150-200 hiro]
Date: 明治 35 年 6 月 18 日 [18 June 1902]
Condition: Wet
Remarks: Antipathes に付着、変形

UMUTZ-PortH-517

Locality: ホンバ 400 ヒロ [Homba, 400 hiro]、ヨドミ 300-400 ヒロ [Yodomi, 300-400 hiro]、モチ山 300-400 ヒロ [Mochiyama, 300-400 hiro]
Date: 1894 年 5 月 3 日、4 月 1 日、1894 年 5 月
Collector: Kumakichi Aoki
Label information: *Staurocalyptus glaber* Ijima, Lot. 7
Condition: Dry

UMUTZ-PortH-518

Locality: 房州、鬼ヶ瀬内ベタ、300-400 ヒロ [Onigase, Uchibeta, 300-400 hiro]
Date: 明治 27 年 12 月 4 日 [4 December 1894]
Collector: Kumakichi Aoki
Label information: *Staurocalyptus glaber*
Condition: Dry

UMUTZ-PortH-535

Locality: Okinose
Date: March 30, 1895
Label information: *Sturocalyptus glaber*, Sp. 357
Condition: Dry

UMUTZ-PortH-561

Locality: Okinose soto, 350-400 hiro
Date: 明治 34 年 2 月 [February 1901]
Collector: Kumakichi Aoki

- Label information: *Staurocalyptus glaber*
Condition: Dry
- UMUTZ-PorfH-597
Locality: Okinose soto, 350-400 hiro
Date: 明治 35 年 2 月 [February, 1902]
Collector: Kumakichi Aoki
Label information: *Staurocalyptus glaber*
Condition: Dry
- UMUTZ-PorfH-611
Locality: 三崎、ヨドミ、350 ヒロ [Misaki, Yodomi, 350 hiro]
Date: 明治 31 年 3 月 6 日 [6 March 1898]
Collector: Kumakichi Aoki
Label information: *Staurocalyptus glaber*
Condition: Dry
- UMUTZ-PorfH-615
Locality: Mochiyama, 300-400 hiro
Date: 2/5/94 [2 May 1894]
Collector: Kumakichi Aoki
Label information: *Periphragella elisiae* [sic] Marshall
Condition: Dry
- UMUTZ-PorfH-616
Locality: 沖ノ瀬、内ベタ、400 ヒロ [Okinose, Uchibete, 400 hiro]
Date: 明治 35 年 12 月 [December 1902]
Collector: Kumakichi Aoki
Label information: *Staurocalyptus glaber*
Condition: Dry
- UMUTZ-PorfH-622
Locality: Okinose, ca. 300 hiro
Date: -/3/94 [March 1894]
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-625
Locality: Mae no Yodomi, 350 hiro
Date: March 1895
Label information: *Aphrocallistes*
Condition: Dry
- UMUTZ-PorfH-626
No data
Condition: Dry
- UMUTZ-PorfH-648
Locality: Enagake, uchibeta 350-400 hiro
Date: Jan. 1895
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-661
Locality: オキノセ外 [Okinose soto]
Date: 明治 33 年 12 月 [December 1900]
Collector: Kumakichi Aoki
Label information: Sp.533
Condition: Dry

- UMUTZ-PorfH-667
Locality: Sagami Sea
Date: 1913
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-671
Locality: Homba
Date: May, '94 [May 1894]
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-698
Locality: Homba, 3-400 hiro
Date: 25/4/94 [25 April 1894]
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-699
Locality: Okinose, iwadogake no soto
Date: 2/4/94 [2 April 1894]
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-700
Locality: Okinose, uchibata, 400 hiro
Date: 明治 35 年 12 月 [December 1902]
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-701
Locality: Homba, 400 hiro
Date: 3/5/94 [3 May 1894]
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-702
Locality: オキノセ外 [Okinose soto]
Date: 明治 33 年 12 月 [December 1900]
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-736
Locality: Okinose, 340 hiro
Date: March 1894
Collector: Kumakichi Aoki
Label information: Periphragella
Condition: Dry
- UMUTZ-PorfH-743
No data
Condition: Dry
- UMUTZ-PorfH-747
Locality: Okinose soto, 350-400 hiro
Date: 明治 35 年 2 月 [February 1902]
Collector: Kumakichi Aoki
Condition: Dry

UMUTZ-PorfH-752

Locality: Okinose, Sagami Bay, 300-400 hiro

Date: April 20, 1894

Collector: Kumakichi Aoki

Condition: Dry

UMUTZ-PorfH-754

Locality: オキノセ沖 [Off Okinose]

Date: 明治 33 年 12 月 [December 1900]

Collector: Kumakichi Aoki

Label information: Sp. 534

Condition: Dry

UMUTZ-PorfH-755

Locality: 沖ノ瀬外、相模湾 [Okinose soto, Sagami Bay]、350-400 hiro

Date: 明治 35 年 2 月 [February 1902]

Collector: Kumakichi Aoki

Condition: Dry

UMUTZ-PorfH-758

Locality: オキノセ外 [Okinose soto]

Date: 明治 33 年 2 月 [February 1900]

Collector: Kumakichi Aoki

Condition: Dry

UMUTZ-PorfH-759

Locality: オキノセ外 [Okinose soto]

Date: 明治 33 年 11 月 (?1 月) [November (or January?) 1900]

Collector: Kumakichi Aoki

Condition: Dry

UMUTZ-PorfH-767

Locality: Mochiyama, 400 hiro

Collector: Kumakichi Aoki

Condition: Dry

Remarks: 付着基盤はビワガライシ

UMUTZ-PorfH-781

Locality: 沖ノ瀬外 [Okinose soto]、350-400 hiro

Date: 明治 31 年 12 月 15 日 [15 December 1898]

Collector: Kumakichi Aoki

Condition: Dry

UMUTZ-PorfH-794

Locality: 沖ノ瀬外、350 尋、400 マデ [Okinose soto, 350-400 hiro]

Date: 明治 31 年 12 月 15 日 [15 December 1898]

Collector: Kumakichi Aoki

Condition: Dry

***Periphragella* spp.**

UMUTZ-PorfH-94

Locality: Honba, 400 hiro

Date: 8/3/96 [8 March 1896]

Collector: Kumakichi Aoki

Label information: *Periphragella* ?

Condition: Wet

- UMUTZ-PorfH-118
Locality: Northern side of Onigase, about 4 ri off Mera, ca 400 hiro
Date: 1894 年 11 月 21 日
Collector: Kumakichi Aoki
Label information: Periphragella, Sp. 306
Condition: Wet
- UMUTZ-PorfH-563
Locality: Gokeba Kenzaki, ca 400 hiro
Date: April '95 [April 1895]
Label information: Chonelasma sp. A
- UMUTZ-PorfH-703
Locality: Okinose soto, 350-400 hiro
Date: 15/12/88 [15 December 1888]
Collector: Kumakichi Aoki
Label information: Hexactinella
Condition: Dry

Genus *Tretochone*

Tretochone duplicata (Topsent, 1928)

- UMUTZ-PorfH-502
Locality: 相模湾 [Sagami Bay]
Date: 1913 年 (大正 2 年)
Collector: Kumakichi Aoki
Label information: Chonelasma doederleini Schulze
Condition: Dry
Remarks: *Tretochone doederleini* (Schulze): 飯島カード
- UMUTZ-PorfH-551
No data
Condition: Dry
- UMUTZ-PorfH-608
Locality: Yodomi
Date: May 20, 1884 (?1894)
Collector: Kumakichi Aoki
Label information: *Tretochone doederleinii* Schulze
Condition: Dry
- UMUTZ-PorfH-739
No data
Condition: Dry
- UMUTZ-PorfH-749
No data
Condition: Dry
- UMUTZ-PorfH-775
No data
Condition: Dry
- UMUTZ-PorfH-784
Locality: Iwadogake no soto, ca. 400 hiro
Date: 14/3/96 [14 March 1896]
Collector: Kumakichi Aoki
Label information: *Tretochone doederleinii* Schulze
Condition: Dry

UMUTZ-PortH-785
No data
Condition: Dry

Tretochone sp.

UMUTZ-PortH-195
Locality: オキノセ外、400 ヒロ [Okinose soto, 400 hiro]
Date: 明治 37 年 2 月 26 日 [26 February 1904]
Collector: Kumakichi Aoki
Label information: *Tretochone* sp., Sp. 544
Condition: Wet

UMUTZ-PortH-635
Locality: Mochiyama
Date: 5/5/1894
Collector: Kumakichi Aoki
Condition: Dry
Remarks: ツボ状に変形

Subfamily Euretinae 真正アミカイメン亜科

Genus *Calyptorete*

Calyptorete ijimai Okada, 1925 ハチノスカイメン

UMUTZ-PortH-349
Locality: Yodomi, 250-300 hiro
Date: 5 September 1919
Condition: Wet

UMUTZ-PortH-638 (Pl. 5, fig. 2)
Label information: ZOOL. INST., SCI...[illegible] Polypedates ja...[illegible]" [他の赤ラベルとは形式が異なり、また Polypedates もカエルの属名であるため、別の標本のラベルが紛れ込んだ可能性が高い。本文参照]

Condition: Dry

Remarks: **Paralectotype**? 本標本は Lectotype (=“specimen A” in Okada, 1925; Lectotype designated by Reiswig and Wheeler, 2002) と異なる標本である。本標本と思われるラベルがなく (上記参照)、UMUTZ-PortH-753 にはラベルが 2 枚あるので、本標本が“specimen B, C”のいずれに該当する可能性あり。

UMUTZ-PortH-663
Locality: Sagami Bay
Date: 1913
Collector: Kumakichi Aoki
Label information: “Sp. 572 *Calyptorete* Sagami Sea, 1913, Kuma, not mentioned the details”
Condition: Dry
Remarks: **Paralectotype** (Lectotype designated by Reiswig and Wheeler, 2002). “specimen D” in Okada (1925).

UMUTZ-PortH-666
No data
Condition: Dry

UMUTZ-PortH-734
No data
Condition: Dry

UMUTZ-PorfH-746

Locality: Iwadogake no soto

Date: March 10, 1906

Label information: "Sci. Coll. Mus. Spec. No... [illegible] Iwadogake no Soto March 10, 1906. Pur. of Kuma"

Condition: Dry

Remarks: **Paralectotype**? (Lectotype designated by Reiswig and Wheeler, 2002).

"Specimen E" in Okada (1925)? 論文中では Specimen E の採集月日が 3/19 であることを除けば、ラベルデータは合致する。採集月日の書き間違いか?

UMUTZ-PorfH-753 (Pl. 5, fig. 1)

Locality: Homba, 400 hiro

Date: 3 May 3 1894

Collector: Kumakichi Aoki

Label information: ラベル2枚混在. "Sci. Coll. Mus. Spec. 224. Calyptorete gracile Ij. Sp. 224. Homba, 400 hiro. May 3, 1894. Aoki K.", "Sp. 571. Calyptorete Homba, 400 hiro, May 3, 1894, Aoki collected?"

Condition: Dry

Remarks: **Paralectotype** (Lectotype designated by Reiswig and Wheeler, 2002). Specimen B or C in Okada (1925). ラベルが2枚あるため、いずれの個体であるか不明。

Genus *Endorete*

Endorete pertusum Topsent, 1928

UMUTZ-PorfH-546

Locality: 相模湾 [Sagami Bay]

Date: 1913

Collector: Kumakichi Aoki

Label information: *Gymnodictyon variolosum*, Sp. 548

Condition: 岩盤附着

UMUTZ-PorfH-807

Locality: Homba, 3-400 hiro

Date: 25/4/94 [25 April 1894]

Collector: Kumakichi Aoki

Label information: *Eurete variolosum*, Sp. 297

Condition: Dry

UMUTZ-PorfH-808

Locality: 相模湾沖ノ瀬 内バタ 400 尋 [Uchibata, Okinose, Sagami Bay, 400 hiro]

Date: 明治 35 年 12 月 [December 1902]

Collector: Kumakichi Aoki

Condition: Dry

UMUTZ-PorfH-809

No data

Condition: Dry

Genus *Eurete*

Eurete cf. bowerbankii Schulze, 1886

UMUTZ-PorfH-713

Locality: ホンバ [Homba]

Date: 1894 年 5 月

Collector: Kumakichi Aoki

Condition: Dry

Eurete irregulare Okada, 1932

UMUTZ-PorfH-18

Locality: Albatross coll. St. 5030 (サハリン)

Label information: "Sci Coll Mus. *Eurete irregularis* n. sp. Albatross Coll. Station 5030"

Condition: Wet

Remarks: A fragment of **syntype**. "Cotype" (= syntype) の主要部分 (USNM 22040) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932)。

Eurete nipponicum Okada, 1932

UMUTZ-PorfH-19

Locality: Albatross coll. St. 4893 (五島列島)

Label information: "Sci Coll Mus. *Eurete nipponica* n. sp. Albatross Coll. Station 4893"

Condition: Wet

Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22038) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932: Pl. 3, fig. 3)。

Eurete sacculiforme Okada, 1932

UMUTZ-PorfH-47

Locality: Albatross coll. St. 4890

Label information: "Sci Coll Mus. *Eurete sacculiformis* n. sp. Albatross Coll. Station 4890"

Condition: Wet

Remarks: A fragment of **syntype**. "Cotype" (= syntype) の主要部分 (USNM 22039) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932)。

Eurete schmidti schmidti Schulze, 1886

UMUTZ-PorfH-80

Locality: Albatross coll. St. 5070

Label information: *Eurete schmidtii* F.E. Schulze

Condition: Wet

Remarks: "Lot B" in Okada (1932, p. 47).

UMUTZ-PorfH-186

Label information: *Eurete Schmidti* Schulze

Condition: Wet

Eurete trachydocus Ijima, 1927

UMUTZ-PorfH-270 (Pl. 13, fig. 3)

Locality: Siboga St. 251

Label information: "Prof. I. Ijima, Tokyo. *Eurete trachydocus* Ij. Siboga Stat. 251. S. of Kur I., Kei Is."

Condition: Wet

Remarks: **Holotype** (Ijima, 1927, p. 168: Pl. XIV, figs. 25-29).

Eurete spp.

UMUTZ-PorfH-21

Locality: Siboga St. 259

Label information: *Eurete* sp.

Condition: Wet

UMUTZ-PorfH-22

Locality: Siboga St. 159
Label information: Eurete sp.
Condition: Wet

UMUTZ-PorfH-93

Locality: St. 251
Label information: Eurete sp.
Condition: Wet

UMUTZ-PorfH-106

Locality: Siboga St. 262
Label information: Eurete sp. ?
Condition: Wet

UMUTZ-PorfH-170

Locality: 3 ri off Sunosaki, 300 hiro
Date: 14/7/94
Collector: Ijima
Label information: Eurete, Sp. 276
Condition: Wet

UMUTZ-PorfH-181

Locality: St. 254 (4?)
Label information: Eurete sp.
Condition: Wet

UMUTZ-PorfH-223

Locality: Enoura
Date: 1 June 1905
Collector: Kumakichi Aoki
Label information: Eurete sp., Sp. 528, Bashford Dean Collection
Condition: Wet

UMUTZ-PorfH-294

Locality: Siboga St. 25
Label information: Eurete
Condition: Wet

UMUTZ-PorfH-447

No data
Condition: Wet

Genus *Lefroyella*

Lefroyella ceramensis Ijima, 1927

UMUTZ-PorfH-528

Locality: Siboga St. 226, Banda Sea, Betw. Lucipara & Schilapad Is.
Label information: *Lefroyella ceramensis* Ijima, Siboga St. 226
Condition: Dry

Genus *Pararete*

Pararete cf. crateri (Schulze, 1886)

UMUTZ-PorfH-354

Locality: 鹿児島チクラ島、70 ヒロ [Chikurajima Island, Kagoshima, 70 hiro]
Date: 明治 32 年 7 月 13 日 [13 July 1899]
Collector: Miyajima
Condition: Wet

UMUTZ-PortH-355

Locality: Entrance Enoura, 100 hiro
Date: June 2, 1905
Collector: Kumakichi Aoki
Label information: B. Dean Collection
Condition: Wet

UMUTZ-PortH-356

Locality: Higashino yodomi, 180-250 fms
Date: October 28, 1920
Condition: Wet

UMUTZ-PortH-357

Locality: Off Oshima, 90-100 hiro
Date: July 1913
Collector: Matsumoto and Chiba
Condition: Wet
Remarks: Aphrocallistes 含む

UMUTZ-PortH-358

Locality: Okinose outside, ca. 400 hiro
Date: 1896 年 3 月 14 日、1901 年 4 月
Collector: Kumakichi Aoki
Condition: Wet

UMUTZ-PortH-359

Locality: 鬼ヶ瀬、ゴケバ、150-200 ヒロ [Onigase, Gokeba, 150-200 hiro]
Date: 明治 35 年 6 月 18 日 [18 June 1902]
Collector: Kumakichi Aoki
Condition: Wet

Pararete farreopsis farreopsis (Carter, 1877)

UMUTZ-PortH-9

Locality: Albaross coll. St. 4934 (鹿児島湾沖)
Label information: Eurette farreopsis Carter
Condition: Wet
Remarks: "Lot B" in Okada (1932).

UMUTZ-PortH-100

Locality: Albatross coll. St. 4890
Label information: Eurette farreopsis Carter
Condition: Wet
Remarks: "Lot A" in Okada (1932).

Pararete farreopsis fragiferum Ijima, 1927

UMUTZ-PortH-149-1 (Pl. 5, fig. 3)

Locality: Siboga St. 156
Label information: "Prof. I. Ijima, Tokyo. Eurette farreopsis fragiferum Ij. Siboga Stat. 156 Halumaheira Sea.", "Pararete farreopsis fragifera Ij. Stat. 156. Two specimens figured in the report.", "Stat. 156."
Condition: Wet
Remarks: **Holotype** (Ijima, 1927, p. 182: Pl. XVI, fig. 13).

UMUTZ-PortH-149-2

Locality: Siboga St. 156
Label information: "Prof. I. Ijima, Tokyo. Eurette farreopsis fragiferum Ij. Siboga Stat. 156

Halumaheira Sea.”, “Pararete farreopsis fragifera Ij. Stat. 156. Two specimens figured in the report.”, “Stat. 156.”

Condition: Wet

Remarks: **Paratype** (Ijima, 1927, p. 182: Pl. XVI, fig. 14).

Pararete farreopsis subglobosum Ijima, 1927

UMUTZ-PorfH-194-1 (Pl. 5, fig. 4)

Locality: China Sea

Label information: “Eurete farreopsis subglobosum Ij”, “Prof. I. Ijima, Tokyo.

Eeresiopsis[?] farreopsis subglobos Ij. Described[?] in the Siboga Report. Eurete farreopsis subglobosum Ij. Given to Ijima by[?] Dr Hanitsch of Singapore. S. of Hainang, China Sea.”

Condition: Dry

Remarks: **Holotype** (Ijima, 1927: Pl. XVI, fig. 19).

UMUTZ-PorfH-194-2 (Pl. 5, fig. 4)

Locality: China Sea

Label information: “Eurete farreopsis subglobosum Ij”, “Prof. I. Ijima, Tokyo. Eurete farreopsis... [illegible] Given to Ijima... [illegible] of Singapore. S. of Hainang, China Sea.”

Condition: Dry

Remarks: **Paratype**

Family Farreidae キヌアマカイメン科

Genus *Farrea*

Farrea clavigera (Schulze, 1887)

UMUTZ-PorfH-271

Label information: “Sp. 258 *Farrea clavigera* Schulze. From Owston’s... [illegible] 95 m high & 130 mm broad.” [赤ラベル]

Condition: Wet

Farrea hanitschi Ijima, 1927

UMUTZ-PorfH-209 (Pl. 7, fig. 1)

Locality: Timor Sea, NE. of Melville I. Australia (Lat. 10°47’S, Long. 127°15’E)

Label information: “Distinguished by very... [illegible] to... [illegible] n. sp. *Farrea hanitschi* Ij. Taken from... [illegible] cable and presented to Raffles Museum Singapore, by Mr. Maclear Ladds, Lat. 10°47’S, Long. 127°15’E Timor Sea. NE. of Melville I. Australia. Given by Dr. Hanitsch to Ijima, March 1909”, “*Farrea hanitschi* Ijima –“, “The specimen figured in the Siboga Report.”

Condition: Wet

Remarks: **Holotype** (Ijima, 1927: Pl. XIII, figs. 1-9; Textfig. 22).

Farrea kurilensis Okada, 1932

UMUTZ-PorfH-153

Locality: Albatross coll. St. 4804

Label information: “Sci Coll Mus. *Farrea kurilensis* n. sp. Albatross Coll. St. 4804”

Condition: Wet (標本悪し、カビ生え)

Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22034) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932).

Farrea occa erecta Ijima, 1927

UMUTZ-PorfH-30

Locality: St. 280, off E. end of Timor

Label information: "Prof. I. Ijima, Tokyo. Stat. 280 (Off E. end of Timor) *Farrea occa erecta* Ij. No club-headed dermal cla...[illegible] found, as far ss examined.

All...[illegible], Hence placed under *erecta*. However some completely macerated pieces may probably be *clavigera*, since there exists a specimen...[illegible] from the same locality.", "F. *occa erecta*. Spec. I.", "St. 280."

Condition: Wet

Remarks: 多数の小片

UMUTZ-PorfH-216

Locality: Siboga St. 122 (N of Celebs)

Label information: "Prof. I. Ijima, Tokyo. *Farrea occa erecta* Ij, Spec. G ["H"を消して"G"に修正] Stat. 122. (N. of Celebes) Completely macerated specimens, Dried.", "F. *occa erecta* Spec. g."

Condition: Dry

Remarks: Ijima (1927: Pl. X, figs. 13, 14).

Farrea occa occa Bowerbank, 1862 キヌアミカイメン

UMUTZ-PorfH-151

Locality: Valdivia 192, 371 m

Label information: *Farrea occa* Bwbb. Carter

Condition: Wet

UMUTZ-PorfH-183

Locality: Honba

Date: May 94 [May 1894]

Collector: Kumakichi Aoki

Label information: *Farrea occa* ?, Sp. 249

Condition: Dry

UMUTZ-PorfH-221

Locality: 浮島近傍加知山、360 ヒロ [Kachiyama, near Ukishima Island, 360 hiro]

Date: 明治 36 年 8 月 11 日 [11 August 1903]

Collector: Kakichi Mitsukuri and Kumakichi Aoki

Label information: *Farrea* sp.

Condition: Dry

UMUTZ-PorfH-267

Locality: 3 ri off Sunosaki, 300 hiro

Date: 14/7/94 [14 July 1894]

Collector: Ijima

Label information: *Farrea occa*, Sp. 266

Condition: Wet

UMUTZ-PorfH-419

Locality: Siboga

Condition: Wet

UMUTZ-PorfH-420

Locality: Okinose

Date: Jan. '95 [January 1895]

Collector: Kumakichi Aoki

Condition: Wet

- UMUTZ-PorfH-444
No data
Condition: Wet
- UMUTZ-PorfH-520
Locality: Okinose?
Label information: *Farrea occa* Carter
Condition: Dry
- UMUTZ-PorfH-536
Locality: 沖ノ瀬外 [Okinose soto]
Date: 1900年12月
Collector: Kumakichi Aoki
Label information: *Farrea occa occa* Carter, Sp. 532
Condition: Dry
- UMUTZ-PorfH-538
Locality: Mochiyama
Date: Dec. 1894
Collector: Kumakichi Aoki
Label information: *Farrea occa* (Bwk) Carter, Sp. 283
Condition: Dry
- UMUTZ-PorfH-548
Locality: 沖ノ瀬、岩戸掛外、400 ヒロ [Okinose, Iwadogakesoto, 400 hiro]
Date: 明治32年1月9日 [9 January 1899]
Collector: Kumakichi Aoki
Label information: *Farrea occa* (Bwk) Carter
Condition: Dry
- UMUTZ-PorfH-565
Locality: オキノセ外、350-400 ヒロ [Okinose soto, 350-400 hiro]
Date: Dec. 15, 1888
Collector: Kumakichi Aoki
Label information: *Farrea occa occa* Carter, Sp. 531
Condition: Dry
- UMUTZ-PorfH-566
No data
Condition: Dry
- UMUTZ-PorfH-569
Locality: 岩戸掛の外 [Iwadogake no soto]
Date: 1894年2月
Label information: *Farrea occa occa* Carter
Condition: Dry
- UMUTZ-PorfH-570
Locality: オキノセ外、350-400 ヒロ [Okinose soto, 350-400 hiro]
Date: 明治31年12月15日 [15 December 1898]
Collector: Kumakichi Aoki
Label information: *Farrea occa occa*
Condition: Dry
- UMUTZ-PorfH-691
Locality: オキノセ外、350-400 ヒロ [Okinose soto, 350-400 hiro]
Date: 明治31年12月15日 [15 December 1898]
Collector: Kumakichi Aoki
Label information: *Farrea occa* Carter

Condition: Dry

Farrea sollasii Schulze, 1886

UMUTZ-PorfH-8

Locality: Albatross coll. St. 4924

Label information: *Farrea sollasi* F. E. Schulze

Condition: Wet

UMUTZ-PorfH-154

Locality: Off Inatori, St. 9

Date: 23/7/94 [23 July 1894]

Label information: *Farrea sollasi*, Sp. 257

Condition: Wet

UMUTZ-PorfH-268

Locality: 3 ri off sunosaki, 300 hiro

Date: 14/7/94 [14 July 1894]

Collector: Ijima

Label information: *Farrea sollasi*, Sp. 265

Condition: Wet

UMUTZ-PorfH-800

Locality: Okinose, 300 hiro

Date: March, '94 [March 1894]

Collector: Kumakichi Aoki

Label information: *Farrea sollasii* Schulze, Sp. 175

Condition: Dry

Farrea sollasii yakushimensis Okada, 1932

UMUTZ-PorfH-75

Locality: Albatross coll. St. 4924

Label information: "Sci Coll Mus. *Farrea sollasi* n. subsp. ["var"を消して"subsp."に修正] yakushimensis. Albatross Coll. Station 4924"

Condition: Wet (カビ生え)

Remarks: A fragment of **holotype** or **paratype** ("specimen A" or "specimen B" in Okada, 1932). Holotype の主要部分 (USNM 22036) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932)。

Farrea vosmaeri Schulze, 1886

UMUTZ-PorfH-12

Locality: S.W. & 4 ri off Mera

Date: 21 Nov. '94 [21 November 1894]

Label information: *Farrea vosmaeri* ?, Sp. 263

Condition: Wet

UMUTZ-PorfH-204

Locality: 鬼ヶ瀬、ゴケバ 150-200 ヒロ [Onigase, Gokeba, 150-200 hiro]

Date: 明治 35 年 6 月 18 日 [18 June 1902]

Collector: Kumakichi Aoki

Label information: *Farrea vosmaeri* Schulze, Sp. 525

Condition: Wet

UMUTZ-PorfH-527

Locality: Honba, 300-400 hiro

Date: April 7, 1894

Collector: Kumakichi Aoki
Label information: *Farrea vosmaeri* Schulze, Sp. 269
Condition: Dry (状態悪し)
UMUTZ-PortH-742
Locality: Okinose, 250 hiro
Date: May 2, 1894
Collector: Kumakichi Aoki
Label information: *Farrea vosmaeri*, Sp. 271
Condition: Dry (状態悪し)

Farrea watasei Okada, 1932

UMUTZ-PortH-280
Locality: Albatross Coll. St. 4797
Label information: “Sci Coll Mus. *Farrea watasei* n. sp. Albatross Coll. Station 4797”
Condition: Wet
Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22035) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932: Pl. 3, fig. 1, Textfig. 5)。

Farrea sp. 1

UMUTZ-PortH-199
Locality: オニガセ、ゴケバ [Onigase, Gokeba]
Date: 18 June 1902
Label information: *Farrea awokii* Ij, [MS name] Sp. 527
Condition: Wet (カビ生え)

Farrea sp. 2

UMUTZ-PortH-652
Locality: オキノセ、ホンバ [Okinose, Homba]
Date: 1894 年 5 月、5 月 20 日
Collector: Kumakichi Aoki
Label information: *Farrea clavata* Ij [MS name で、*Farrea occa* を消して書かれている], Sp. 251, 255
Condition: Dry

Farrea spp.

UMUTZ-PortH-13
Locality: オキノセ [Okinose], St. 18
Date: Aug.17 '94 [17 August 1894]
Collector: Kakichi Mitsukuri
Label information: *Farrea*, 305
Condition: Wet

UMUTZ-PortH-14
Locality: St. 4768, 764 fms
Date: June 3
Label information: *Farrea*
Condition: Wet
Remarks: Albatross ?

UMUTZ-PortH-31b
Locality: Mochiyama, 400 hiro

- Date: Aug. 1897
Collector: Kumakichi Aoki
Label information: Chonelasma sp. Farrea sp.
Condition: Wet
- UMUTZ-PorfH-83
Locality: オニガセ、ゴケバ、150-200 ヒロ [Onigase, Gokeba, 150-200 hiro]
Date: 明治 35 年 6 月 18 日 [18 June 1902]
Collector: Kumakichi Aoki
Label information: Farrea ? Tretodictyum ?
Condition: Wet
- UMUTZ-PorfH-152
Locality: Doketsuba
Date: Dec. '97 [December 1897]
Collector: Kumakichi Aoki
Label information: Farrea
Condition: Wet
- UMUTZ-PorfH-156
Locality: St. 4768, 764 fms
Date: 3 June
Label information: Aphrocall
Condition: Wet
- UMUTZ-PorfH-173
Locality: Okinose outside
Date: April 1901
Collector: Kumakichi Aoki
Label information: Farrea, Sp. 529
Condition: Wet
- UMUTZ-PorfH-184
Locality: Yodomi, 250-300 hiro
Date: 5/IX/1919
Label information: Farrea ? sp.
Condition: Wet (カビ生え)
- UMUTZ-PorfH-258c
Locality: Sagami Sea
Date: March 1896
Label information: Aphrocallistes, Chonelasma, Farrea
Condition: Wet
- UMUTZ-PorfH-273
Locality: On way to Oshima, Sagami Sea
Date: 1913
Collector: Matsumoto
Label information: Farrea
Condition: Wet
- UMUTZ-PorfH-275
Locality: Valdivia St. 37, 1694 m
Label information: Farrea sp.
Condition: Wet
- UMUTZ-PorfH-322
Data illegible
Condition: Wet

- UMUTZ-PorfH-323
Locality: Siboga St. 97
Condition: Wet
- UMUTZ-PorfH-324
Locality: Golden Hind Exped., Matsuwa
Date: 12/7/1896
Condition: Wet
- UMUTZ-PorfH-325
Locality: St. 33, Anezaki-Mera, 1-1 1/2
Date: 8/8/95 [8 August 1895]
Condition: Wet
- UMUTZ-PorfH-326
Locality: 同穴場、130 ヒロ [Doketsuba, 130 hiro]
Date: 明治30年8月9日 [9 August 1897]
Collector: Kumakichi Aoki
Condition: Wet
- UMUTZ-PorfH-327
Locality: Loc. 1, Yodomi, 300-400 hiro
Date: April 1st
Collector: Kumakichi Aoki
Condition: Wet
- UMUTZ-PorfH-328
Locality: Loc ? but near or at Doketsuba, ca. 180 hiro
Date: 11/8/95 [11 August 1895]
Condition: Wet
- UMUTZ-PorfH-329
No data
Condition: Wet
Remarks: Aphrocallistes 含む
- UMUTZ-PorfH-330
No data
Condition: Wet
Remarks: 複数種含む
- UMUTZ-PorfH-331
Locality: Off Mera
Condition: Wet
- UMUTZ-PorfH-332
No data
Condition: Wet
- UMUTZ-PorfH-333
Label information: St. 5090, Depth 200
Condition: Wet
- UMUTZ-PorfH-334
Locality: Yodomi, 150 fms
Date: 26/III 1922
Condition: Wet
- UMUTZ-PorfH-335
No data
Condition: Wet

- UMUTZ-PortH-336
Locality: メラ鼻出し、オイセガケ、250 ヒロ [Merahanadashii, Oisegake, 250 hiro]
Date: 1913 年 7 月 21 日
Condition: Wet
- UMUTZ-PortH-337
Locality: Siboga
Label information: occa ? erecta?
Condition: Wet
- UMUTZ-PortH-338
Locality: Higashi no Yodomi, 200-300 hiro
Date: 17/V '20 [17 May 1920]
Condition: Wet
- UMUTZ-PortH-339
Locality: S7, 30
Date: 10/VIII
Condition: Wet
- UMUTZ-PortH-340
Condition: Wet
- UMUTZ-PortH-341
Locality: Golden Hind Exped., St. 45
Date: 30/7/1896
Collector: Ijima
Condition: Wet
- UMUTZ-PortH-342
Locality: Okinose soto
Date: 1901
Collector: Kumakichi Aoki
Label information: Sp. 535
Condition: Wet
- UMUTZ-PortH-343
No data
Condition: Wet
- UMUTZ-PortH-344
No data
Condition: Wet
- UMUTZ-PortH-345
No data
Condition: Wet
- UMUTZ-PortH-346
Locality: Nishino yodomi, 200 hiro
Date: Aug. 30, 1904
Collector: Kumakichi Aoki
Condition: Wet
- UMUTZ-PortH-350
Locality: St. 34, 75 fms (= 9? hiro)
Date: 14/7/96 [14 July 1896]
Collector: Ijima
Condition: Wet
- UMUTZ-PortH-409
Locality: Off Misaki in the dorection of Misaki, ca. 350 hiro

Date: 6/5/95 [6 May 1895]
Collector: Kumakichi Aoki and Isao Ijima
Condition: Wet

UMUTZ-PorfH-415
Locality: 中のヨドミ、100 ヒロ [Nakanoyodomi, 100 hiro]
Date: 1919 年 8 月
Condition: Wet

UMUTZ-PorfH-458
No data
Condition: Wet

UMUTZ-PorfH-466
No data
Condition: Wet

UMUTZ-PorfH-521
Locality: Sagami sea
Condition: Dry

UMUTZ-PorfH-522
Locality: Misaki uchibeta, 250 hiro
Date: 明治 31 年 3 月 4 日 [4 March 1898]
Collector: Kumakichi Aoki
Condition: Dry

UMUTZ-PorfH-537
Label information: Farrea sp., Albatross coll.
Condition: Dry

UMUTZ-PorfH-567
No data
Condition: Dry

UMUTZ-PorfH-568
No data
Condition: Dry

UMUTZ-PorfH-718
No data
Condition: Dry

UMUTZ-PorfH-764c
Locality: オキノセ外 [Okinose soto]
Date: 明治 33 年 12 月 [December 1900]
Collector: Kumakichi Aoki
Label information: Aphrocallistes, Acanthascus, Farrea
Condition: Dry
Remarks: 3 種が融合

UMUTZ-PorfH-766
Locality: Okinose, ca. 300 hiro
Date: -/3/94 [March 1894]
Collector: Kumakichi Aoki
Label information: Farrea
Condition: Dry (状態悪し)
Remarks: 付着基盤はビワガライシ

Genus *Lonchiphora*
Lonchiphora inversa Ijima, 1927

UMUTZ-PorfH-92 (Pl. 6, fig. 2)

Locality: Loc. uncertain though near at or Doketsuba, ca. 180 hiro

Date: 11/8/95 [11 August 1895]

Collector: Ijima

Label information: "S. C. Sp. 563. Prof. I. Ijima, Tokyo. *Lonchiphora inversa* Ij. At or near Doketuba 180 hiro, Ij. coll. 11/8/95.", "Loc. uncertain though near or at Doketsba 11/8/95. Ij. coll, ca. 180 hiro. Orig. fixed in sublimate.", "Soft part scarcely preserved at all!"

Condition: Wet

Remarks: **Syntype** (Ijima, 1927, p. 162).

UMUTZ-PorfH-282 (Pl. 6, fig. 1)

Locality: Off Jogashima, about 100 hiro

Date: August 1915

Collector: Ijima

Label information: "Sc. Coll. Sp. 562. Prof. I. Ijima, Tokyo. 562. *Lonchiphora inversa* Ij. Type-specimen. Coll. by Ijima, on "Dosun, Aug. 1915. Off Jogashima. Say about 100 hiro"

Condition: Wet

Remarks: **Syntype** (Ijima, 1927, p. 162).

Genus *Sarostegia*
Sarostegia oculata Topsent, 1904

UMUTZ-PorfH-176

Label information: "Sarostegia oculata Topsent Given to Ijima by Prof. E. Topsent. Evidently cotypes of the genus & species."

Condition: Wet

Remarks: 著者から送られたシタイプと思われる。

Family Tretodictyidae
Genus *Hexactinella*
Hexactinella grimaldii Topsent, 1890

UMUTZ-PorfH-178

Locality: Probably coll. by the "Travaillen" NW of Spain, 1916m

Label information: *Hexactinella grimaldii* Topsent

Condition: Wet

Hexactinella cf. lata (Schulze, 1886)

UMUTZ-PorfH-360

Locality: Golden Hind Exp. St. 45

Date: 30/7/1896

Label information: Sp. 538 *Hexactinella* sp. cf. *lata*

Condition: Wet

UMUTZ-PorfH-361

Locality: Inagake no uchibeta St. 5

Date: 21/12/94 [21 December 1894]

Label information: Sp. 291 *Hexactinella* sp. cf. *lata*

Condition: Wet

Hexactinella lingua Ijima, 1927

UMUTZ-PorfH-351

Locality: オキノセ、イヤドガケの外 [Okinose, Iyadogakenosoto]

Date: 2/4/94 [2 April 1894]

Collector: Kumakichi Aoki

Condition: Wet

Remarks: Farrea 含む

UMUTZ-PorfH-529-1 (Pl. 7, fig. 2)

Locality: Siboga 251

Label information: "Prof. I. Ijima, Tokyo. Hexactinella ? lingua Ij. Type specimens. Siboga Stat. 251.", "Siboga--Expeditie. Stat. 251.", "Type specimens of Hexactinell? lingua Ij. Stat. 251. (Another fragment to be found in wet state in a bottle)", "Hexact. lingua. Dermal side Gastral side [ラベル表面に小片 2 個を接着してある]"

Condition: Dry

Remarks: **Holotype** (Ijima, 1927, p. 242: Pl. XVIII, figs. 11, 12).

UMUTZ-PorfH-529-2

Locality: Siboga 251

Label information: "Prof. I. Ijima, Tokyo. Hexactinella ? lingua Ij. Type specimens. Siboga Stat. 251.", "Siboga--Expeditie. Stat. 251.", "Type specimens of Hexactinell? Lingua Ij. Stat. 251. (Another fragment to be found in wet state in a bottle)", "Hexact. Lingua. Dermal side Gastral side [ラベル表面に小片 2 個を接着してある]"

Condition: Dry

Remarks: **Paratype**. "The second specimen" in Ijima (1927, p. 243: textfig. 27).

UMUTZ-PorfH-529-3

Locality: Siboga 251

Label information: "Prof. I. Ijima, Tokyo. Hexactinella ? lingua Ij. Type specimens. Siboga Stat. 251.", "Siboga--Expeditie. Stat. 251.", "Type specimens of Hexactinell? Lingua Ij. Stat. 251. (Another fragment to be found in wet state in a bottle)", "Hexact. Lingua. Dermal side Gastral side [ラベル表面に小片 2 個を接着してある]"

Condition: Dry

Remarks: **Paratype**. "The third specimen" in Ijima (1927, p. 244: textfig. 28).

Hexactinella ventilabrum Carter, 1885

UMUTZ-PorfH-650

Locality: Homba, 400 hiro

Date: Dec. 17, 1894

Collector: Kumakichi Aoki

Label information: Hexactinella ventilabrum Carter, Sp. 268

Condition: Dry

UMUTZ-PorfH-687

Locality: Okinose soto, 350-400 hiro

Date: 明治 35 年 2 月 [February 1902]

Collector: Kumakichi Aoki

Label information: Hexactinella ventilabrum Carter

Condition: Dry

UMUTZ-PorfH-688

No data

Condition: Dry

UMUTZ-PorfH-692

Locality: Okinose soto, 350-400 hiro

Date: 明治 35 年 2 月 [February 1902]
Collector: Kumakichi Aoki
Condition: Dry
UMUTZ-PorfH-693
No data
Condition: Dry
UMUTZ-PorfH-706
No data
Condition: Dry
UMUTZ-PorfH-819
Locality: Okinose 400 hiro
Date: 2/5/94 [2 May 1894]
Collector: Kumakichi Aoki
Label information: Hexactinella
Condition: Dry

Hexactinella sp. 1

UMUTZ-PorfH-676
Date: 1894 年 4 月 10 日 [10 April 1894]
Label information: Hexactinella polystomata Ijima, Sp. 289
Condition: Dry
Remarks: MS name で未記載種の可能性がある。
UMUTZ-PorfH-677
No data
Condition: Dry
Remarks: H-676 の分割標本

Hexactinella spp.

UMUTZ-PorfH-113
Locality: 新島西沖 [West off Nijima Island]
Date: 明治 26 年 8 月 10 日 [10 August 1839]
Collector: 弘田 (火の浦丸)
Label information: Hexactinella ?, Sp. 307
Condition: Wet
UMUTZ-PorfH-353
Locality: Mochiyama, 400 hiro
Date: Aug. 1897
Collector: Kumakichi Aoki
Condition: Wet
UMUTZ-PorfH-362
Locality: Nakano yodomi, 100 hiro
Date: ?/VIII '19 [August 1919]
Condition: Wet
UMUTZ-PorfH-363
Locality: Nisino yodomi 200 hiro
Date: Aug. 30, 1904
Collector: Kumakichi Aoki
Condition: Wet

- UMUTZ-PorfH-364
No data
Condition: Wet
- UMUTZ-PorfH-365
Locality: Entrance Enoura, 120 hiro
Date: June 1905
Collector: Kumakichi Aoki
Label information: Bashford Dean Collection
Condition: Wet
Remarks: Ijima (1904: Pl. VI, fig. 7).
- UMUTZ-PorfH-366
Locality: S8, No.70
Date: 17/VIII
Condition: Wet
- UMUTZ-PorfH-407
Locality: Albatross St. 4781, 482 fms
Condition: Wet
- UMUTZ-PorfH-424
Locality: Albatross, St. 4770, 247 fms
Date: June 3
Condition: Wet
- UMUTZ-PorfH-438
Locality: Albatross, St. 4770, 247 fms
Date: June 3, 1906
Condition: Wet
- UMUTZ-PorfH-442
Locality: Albatross, St. 4781, 482 fms
Date: July 7, 1906
Condition: Wet
- UMUTZ-PorfH-448
Locality: Misaki Aburatsubo
Date: 12/VIII, 1918
Condition: Wet
- UMUTZ-PorfH-471
Locality: Albatross 4917, 36 (fms)
Date: 13 Aug.1906
Condition: Wet
- UMUTZ-PorfH-476
Data illegible
Condition: C-475 に付着
- UMUTZ-PorfH-709
Locality: オキノセ、内ベタ 400 ヒロ [Okinose, Uchibeta, 400 hiro]
Date: 明治 35 年 12 月 [December 1902]
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-756
Locality: Okinose, 300-400 hiro
Date: May 1894
Collector: Kumakichi Aoki
Label information: Tretodictyon tubulosum (Schulze)

Condition: Dry
UMUTZ-PorfH-774
Locality: オキノセノ外 [Okinose no soto]
Date: 明治 33 年 12 月 [December 1900]
Collector: Kumakichi Aoki
Condition: Dry

UMUTZ-PorfH-791
Locality: Sengenzuka Uchibeta, ca. 450 hiro
Date: 23/2/97 [23 February 1897]
Label information: Aphrocallistes, sp. 426
Condition: Dry

Genus *Sclerothamnus*
Sclerothamnus clausi Marshall, 1875

UMUTZ-PorfH-72
Locality: Siboga St. 260
Label information: "Prof. I. Ijima, Tokyo. Sclerothamnus clausi Marsh. Siboga Stat. 260,
W. of Gr. Kei. I."
Condition: Wet

Genus *Tretodictyum*
Tretodictyum tubulosum (Schulze, 1886)

UMUTZ-PorfH-20
Locality: 3 ri off Sunosaki, 300 hiro
Date: Jul. 14, '94 [14 July 1894]
Collector: Ijima
Label information: Hexactinella tubulosa F. E. Schulze, 278
Condition: Wet
Remarks: 骨片スライド有

UMUTZ-PorfH-90
Locality: Valdivia 37, 1694 m
Label information: Ramella tubulosa F.E. Sch.
Condition: Wet

UMUTZ-PorfH-187
Locality: China Sea
Label information: Tretodictyum tubulosum Schulze
Condition: Wet

UMUTZ-PorfH-740
Locality: Homba, 3-400 hiro
Date: 25/4/94 [25 April 1894]
Collector: Kumakichi Aoki
Label information: Hexactinella, Sp. 294
Condition: Dry

UMUTZ-PorfH-741
Locality: 沖ノ瀬、350-400 尋 [Okinose, 350-400 hiro]
Date: 明治 31 年 12 月 15 日 [15 December 1898]
Collector: Kumakichi Aoki
Condition: Dry

UMUTZ-PorfH-757
Locality: Outside Okinose by Iwado gake

Date: April 2, 1894
Collector: Kumakichi Aoki
Label information: Tretodictyon tubulosum
Condition: Dry

Tretodictyum sp.

UMUTZ-PorfH-587
Date: 1911 年 2 月 14 日
Label information: Tretodictyon
Condition: Dry

Order Lychniscosida
Family Aulocystidae
Genus *Neoaulocystis* (= *Aulocystis*)
Neoaulocystis zitteri sibogae (Ijima, 1927)

UMUTZ-PorfH-202 (Pl. 7, fig. 3)
Locality: Timor Sea, NE of Melville Island, Australia 45 fms (82 m), 10° 47' S, 127° 15' E
Date: March 1909
Collector: Maclear Ladds
Label information: "Prof. I. Ijima, Tokyo. Aulocystis zitteri sibogae Ij. Timor Sea, NE. of Melville I. Australia. Maclear Ladds coll. Presented to Ijima by Dr R. Hanitsch of Singapore.", "One of the specimens figured in the Siboga Report.", "Taken from telegraph cable and presented to Raffles Museum, Singapore, by Mr. Maclear Ladds. Given by Dr. Harnitsch to Ijima. March 1909", "2 specimens lat: 10°47' S. lng 127°15' E. Timor Sea, NE of Melville Island, Australia. Depth. 45 fms = 82 m"
Condition: Wet
Remarks: Probable syntype

Order Lyssacosida リサキナ (散針) 目
Family Euplectellidae カイロウドウケツ科
Subfamily Bolosominae
Genus *Bolosoma*
Bolosoma paradictyum (Ijima, 1903)

UMUTZ-PorfH-639 (Pl. 7, fig. 4)
Locality: Okinose, 350-400 hiro
Date: 明治 35 年 2 月 [February 1902]
Collector: Kumakichi Aoki
Label information: "no. 506. Placosoma paradictyum n.g., n. sp. Ijima... [illegible] Locality Okinose soto 350-400 hiro 明治 35 年 2 月 Kuma"
Condition: Dry (状態悪し)
Remarks: Holotype (Ijima, 1903, p. 2: Pl. I, figs. 1, 2; Pl. II, figs. 1-16).

Subfamily Corbitellinae
Genus *Regadrella* カイロウドウケツモドキ属
Regadrella komeyamai Ijima, 1901 コメヤマカイロウドウケツモドキ

UMUTZ-PorfH-787 (Pl. 8, fig. 1)
Locality: Sagami Sea
Label information: "Sp. 486. Type spec. Regadrella komeyamai Ij. Sagami Sea. Pres. by Mr. Komeyama." [赤ラベル]

Condition: Dry

Remarks: Syntypes (Ijima, 1901, p. 252: Pl. IX, fig. 1).

Regadrella okinoseana Ijima, 1896 カイロウドウケツモドキ

UMUTZ-PorfH-104

Locality: Okinose soto, over 350 hiro

Date: 15 December 1898

Collector: Kumakichi Aoki

Label information: Euplectellid !, Sp. 461

Condition: Wet

Remarks: Ijima (1901, p. 244: Pl. VII, figs. 6 and 7)

UMUTZ-PorfH-212

Locality: Mochiyama, Ikegake ca. 580 hiro

Date: Dec. 13, 1895

Collector: Kumakichi Aoki

Label information: Corbitella okinoseana Ij, Sp. 488

Condition: Wet

Remarks: Ijima (1901: Pl. VII, fig. 2).

UMUTZ-PorfH-500

Locality: 相模湾、沖ノ瀬外、約500ヒロ [Okinose soto, Sagami Bay, ca. 500 hiro]

Date: 1912年2月10日

Collector: Kumakichi Aoki

Label information: Regadrella okinoseana Ijima

Condition: Dry

UMUTZ-PorfH-726

Locality: Enagake no Uchibeta, 300-400 hiro

Date: Jan. 1895

Collector: Kumakichi Aoki

Label information: Carbitella okinoseana Ijima, Sp. 370

Condition: Dry (状態悪し)

Remarks: Ijima (1901, p. 240).

Regadrella sp. 1

UMUTZ-PorfH-235

Locality: Siboga St. 122

Label information: Regadrella tubus n.sp., Specimen B

Condition: Wet

Remarks: MS name.

Regadrella sp. 2

UMUTZ-PorfH-632

Locality: オキノセ外、400-500ヒロ [Okinose soto, 400-500 hiro]

Date: 1922年1月5日

Label information: Regadrella Sp. 575

Condition: Dry

Remarks: undescribed species

UMUTZ-PorfH-710

Locality: Albatross D 5629

Date: 1909

Condition: Dry

Remarks: H-632 と同種で未記載種と思われる。
UMUTZ-PorfH-810
Locality: Albatross J (?) 629
Date: Dec. 629
Label information: Albatross J (?) 629
Condition: Dry
Remarks: H-632, 710 と同種で未記載種と思われる。

***Regadrella* spp.**

UMUTZ-PorfH-105
Locality: Off coast of Chili, 1800 fms
Label information: Trageria ? albatrossi Ijima M.S., Sp. 417
Condition: Wet
UMUTZ-PorfH-299
Locality: 三崎 [Misaki]
Date: 明治 31 年 3 月 [March 1898]
Collector: Kumakichi Aoki
Label information: 490
Condition: Wet

Genus ***Walteria***

Walteria leuckarti Ijima, 1896 スギノキカイメン

UMUTZ-PorfH-414
No data
Condition: Wet
UMUTZ-PorfH-510
Locality: Homba, 400 hiro, Mera-se, ca. 400 hiro
Date: 223: May 3, 1894; 497: April 7, 1896
Collector: Kumakichi Aoki
Label information: *Walteria leuckarti* ijima, Sp. 223, 497
UMUTZ-PorfH-553
Locality: オキノセ外 [Okinose soto]
Date: 明治 30 年 4 月 21 日 [21 April 1897]
Label information: *Walteria leuckarti* Ijima, Sp. 494
UMUTZ-PorfH-573
Locality: イゲの外 [Igenosoto]
Date: 明治 32 年 3 月 19 日 [19 March 1899]
Label information: *Walteria leuckarti*
Condition: Dry (特大標本)
UMUTZ-PorfH-574
Locality: Gokeba, 400 hiro
Date: 明治 35 年 2 月 [February 1902]
Collector: Kumakichi Aoki
Label information: *Walteria leuckarti*
Condition: Dry
UMUTZ-PorfH-617
Locality: Gokeba, 400 hiro
Date: 明治 35 年 2 月 [February 1902]
Collector: Kumakichi Aoki
Label information: *Walteria leuckarti* Ijima

Condition: Dry
UMUTZ-PorfH-654
Locality: Okinose soto, 400 hiro
Date: Feb. 1914
Collector: Kumakichi Aoki
Label information: *Walteria leuckarti* Ijima
Condition: Dry

UMUTZ-PorfH-727
Locality: Sagami Sea 他
Date: 1913
Collector: Kumakichi Aoki
Label information: *Warteri leuckarti* Ijima
Condition: Dry

Subfamily Euplectellinae カイロウドウケツ亜科

Genus *Chaunangium*

Chaunangium crater Schulze, 1904

UMUTZ-PorfH-3
Locality: Valdivia 211, 805 m
Label information: *Chaunangium crater* F.K. Sch.
Condition: Wet

Genus *Euplectella*

Euplectella aspergillum Owen, 1841 カイロウドウケツ

UMUTZ-PorfH-117
Locality: Valdivia 245, 465 m
Label information: *Euplectella aspergillum* Owen
Condition: Wet

UMUTZ-PorfH-228
Locality: Off Cebu, about 120 hiro
Date: Jan. 13th, 1909
Collector: Ijima and Aoki
Label information: *Euplectella aspergillum*
Condition: Wet

UMUTZ-PorfH-641
No data
Condition: Dry

UMUTZ-PorfH-643
Locality: Cuba
Date: Jan. 1909
Collector: Ijima
Label information: *Euplectella aspergillum*
Condition: Dry

Euplectella curvistellata Ijima, 1901

UMUTZ-PorfH-214 (Pl. 8, fig. 2)
Locality: South of Satsuma, 70-100 hiro
Label information: "Sci. Coll. Mus. Spec. No...[illegible] *Euplectella curvistellata* Ij. S of
Satsuma, 70-100 hiro...[illegible]"
Condition: Wet

Remarks: **Holotype** (Ijima, 1901, p. 217).

Euplectella imperialis Ijima, 1894 ヤマトカイロウドウケツ

UMUTZ-PorfH-160

Locality: Gokeba Kensaki, about 400 hiro
Date: Latter part of April '95 [April 1895]
Label information: *Euplectella imperialis* Ij.
Condition: Wet

UMUTZ-PorfH-175

Locality: Iwadogake, 6 kilo from Jogashima
Date: 29/5/96 [29 May 1896]
Collector: Kumakichi Aoki
Label information: *Euplectella imperialis* Ij

UMUTZ-PorfH-218

Locality: 三崎ヨドミ, 350 ヒロ [Misakiyodomi, 350 hiro]
Date: 明治31年3月6日 [6 March 1898]
Collector: Kumakichi Aoki
Label information: *Euplectella imperialis* Ij
Condition: Wet

UMUTZ-PorfH-224

Label information: *Euplectella imperialis* Ijima
Condition: Wet

UMUTZ-PorfH-229

Locality: Sagami Sea (various locations)
Label information: *Euplectella imperialis* Ijima
Condition: Wet

UMUTZ-PorfH-289

Locality: Okinose, iwadogake, Okinose, 大高三ツ毘沙門沖 400 ヒロ [Off
Otakamitsubishamon, 400 hiro], Oo, Yodomi &c.
Date: 2/4/94 [2 April 1894], 16/4/94 [16 April 1894]
Collector: Kumakichi Aoki
Label information: *Euplectella imperialis* Ij.
Condition: Wet
Remarks: 共生エビ 4 個体 (Host 各 1)

UMUTZ-PorfH-391

Locality: ヨドミ前, 80 ヒロ [Yodomimae, 80 hiro]
Date: 1915年8月9日
Collector: 飯島
Condition: Wet

UMUTZ-PorfH-392

No data
Condition: Wet (状態悪し)

UMUTZ-PorfH-393

Locality: 対馬 厳原 [Izuhara, Tsushima]
Date: 明治36年10月1日 [1 October 1903]
Collector: ワタセ・ヤスタ
Condition: Wet
Remarks: 共生エビ 1 個体

UMUTZ-PorfH-395

Locality: Homba, 400 hiro

- Date: April & May 1894
Collector: Kumakichi Aoki
Condition: Wet
- UMUTZ-PortH-396
Locality: Cebu, P.I. off Talisay, 107 hiro
Date: Jan. 11, 1908
Condition: Wet
Remarks: 共生エビ 1 個体
- UMUTZ-PortH-401
Locality: 相模湾? [Sagami Bay?]
Condition: Wet
Remarks: 共生エビ
- UMUTZ-PortH-575
Locality: Mae no yodomi, ca. 500 hiro
Date: Jan. '95 [January 1895]
Collector: Kumakichi Aoki
Label information: Euplectella imperialis Ijima
Condition: Dry
- UMUTZ-PortH-599
Locality: Mae no Yodomi
Date: 明治 30 年 4 月 21 日 [21 April 1897]
Collector: Kumakichi Aoki (purchased)
Label information: Euplectella imperialis
Condition: Dry
- UMUTZ-PortH-618
Locality: Sagami Bay
Date: Purchased, 1894
Label information: Euplectella imperialis Ijima, Sp. 285
Condition: Dry
- UMUTZ-PortH-619
Locality: Homba
Date: May, 1894
Collector: Kumakichi Aoki
Label information: Euplectella imperialis
Condition: Dry
- UMUTZ-PortH-627
Locality: Yodomi, 550 hiro
Date: March '94 [March 1894]
Collector: Kumakichi Aoki
Label information: Euplectella imperialis Ijima, Sp. 154
Condition: Dry
- UMUTZ-PortH-630
Locality: オキノセ内ベタ、300-400 ヒロ [Okinose, Uchibeta, 300-400 hiro]
Date: 明治 38 年 3 月 7 日 [7 March 1905]
Collector: Kumakichi Aoki
Label information: Euplectella imperialis Ijima
Condition: Dry
- UMUTZ-PortH-631
Locality: オキノセ外 [Okinose no soto]
Date: 1900 年 12 月

- Collector: Kumakichi Aoki
Label information: *Euplectella imperialis* Ijima
Condition: Dry
- UMUTZ-PorfH-633
Locality: higashi no yodomi, 700 hiro
Date: June 6, 1896
Collector: Nagai fishermen
Label information: *Euplectella imperialis* Ijima
Condition: Dry
- UMUTZ-PorfH-636
No data
Condition: Dry
- UMUTZ-PorfH-637
Locality: Inagake no uchiba
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-644
Locality: イワドガケの外、400 ヒロ、三崎沖、中のヨドミ、St. 7 ヤハギ、300-400
ヒロ、オキノセ外 [Iwadogake no soto, 400 hiro, Off Misaki, Naka no yodomi, St. 7
Yahagi] [Okinose soto, 300-400 hiro]
Date: 明治28年2月2日、1894年3月、1894年7月6日、明治33年12月 [2 February
1895, March 1894, 6 July 1894, December 1900]
Collector: Kumakichi Aoki、土田
Label information: *euplectella imperialis*, Sp. 173 他
Condition: Dry
- UMUTZ-PorfH-656
Locality: Naka no Yodomi, 400 hiro
Date: Dec. 24, 1894
Collector: Kumakichi Aoki
Label information: *Euplectella imperialis* Ijima, Sp.284
Condition: Dry
- UMUTZ-PorfH-670
No data
Condition: Dry
- UMUTZ-PorfH-682
Locality: オキノセ外 [Okinose no soto]
Date: 明治33年12月 [December 1900]
Collector: Kumakichi Aoki
Label information: *Euplectella imperialis*
Condition: Dry
- UMUTZ-PorfH-683
Label information: *Euplectella* sp.
Condition: Dry
- UMUTZ-PorfH-690
Locality: Homba
Date: Dec. 7, '94 [7 December 1894]
Collector: Kumakichi Aoki
Label information: *Euplectella imperialis* Ijima, Sp. 243
Condition: Dry(状態悪し)

UMUTZ-PorfH-720

Locality: Yodomi, Sagami Bay
Date: Dec. 1897
Collector: Kumakichi Aoki
Label information: Euplectella imperialis Ijima
Condition: Dry

UMUTZ-PorfH-725

No data
Condition: Dry

UMUTZ-PorfH-729

Locality: Mae no Yodomi, Yahagigake & mera 8 bu bakari
Date: Feb. 1896 他
Collector: Kumakichi Aoki
Label information: Euplectella imperialis Ijima
Condition: Dry

UMUTZ-PorfH-778

Locality: Albatross, D 5529
Date: Aug. 11, 1909
Condition: Dry

Euplectella marshalli Ijima, 1895 マーシャルカイロウドウケツ

UMUTZ-PorfH-40

Locality: Off Okada, Oshima
Date: Aug. '93 [August 1893]
Label information: Euplectella marshalli Ij [E.imperialis を訂正]
Condition: Wet

UMUTZ-PorfH-68

Locality: Okinose, 350 hiro
Date: 10/2/1902
Collector: Kumakichi Aoki
Condition: Wet

UMUTZ-PorfH-116

Locality: 2 ri off Sunosaki, 150 hiro
Date: 13/7/94 [13 July 1894]
Label information: Euplectella marshalli Ij.
Condition: Wet

UMUTZ-PorfH-207

Locality: St. 33 Anezaki; Mera 1-1 1/2
Date: 8/8/95 [8 August 1895]
Label information: Euplectella marshalli Ij
Condition: Wet

UMUTZ-PorfH-225

Locality: 洲ノ崎沖 凡2里 [Ca. 2 ri off Sunosaki]、イナガケ [Inagake]、メラニツ乃
至三ツ [Mera]、150-200 ヒロ [150-200 hiro]
Date: 12/7/94 [12 July 1894]
Collector: Ijima
Label information: Euplectella marshalli Ijima
Condition: Wet

UMUTZ-PorfH-290

Locality: 洲ノ崎沖、イナガケ & メラ、150-200 ヒロ [Inagake & Mera, off Sunosaki,

- 150-200 hiro]
 Date: 13/7/94 [13 July 1894]
 Label information: *Euplectella marshalli* Ij
 Condition: Wet
 Remarks: 共生エビ 2 個体
- UMUTZ-PorfH-572
 Locality: ハザマ [Hazama]
 Date: 1894 年 7 月 10 日
 Collector: Kumakichi Aoki
 Label information: *Euplectella marshalli* Ijima
 Condition: Dry (参照標本棚)
- UMUTZ-PorfH-647
 Locality: St. 5
 Date: 13/7/94 [13 July 1894]
 Collector: Ijima
 Label information: *Euplectella marshalli* Ij
 Condition: Dry
- UMUTZ-PorfH-649
 Locality: 紀伊田辺 [Kiitanabe]
 Date: Yasutaro Nasu
 Label information: *Euplectella marshalli* Ij
 Condition: Dry
- UMUTZ-PorfH-668
 Locality: 対馬沖 [Off Tsushima] 他
 Date: 明治 34 年 7 月 5 日 [5 July 1901]
 Collector: Yoneyama
 Condition: Dry
- UMUTZ-PorfH-674
 Date: 13/7/94 [13 July 1894]
 Collector: Ijima
 Label information: *Euplectella marshalli* Ijima, St. 5
 Condition: Dry
- UMUTZ-PorfH-731
 Locality: Sagami Bay, St. 20
 Date: July 16, 1895
 Label information: *Euplectella marshalli* Ijima, 373
 Condition: Dry
- Euplectella oweni*** Herklots and Marshall, 1868 オーウェンカイロウドウケツ
- UMUTZ-PorfH-64
 Locality: Albatross coll. St. 4878
 Label information: *Euplectella oweni* Haeck & Marsch
 Condition: Wet
 Remarks: “specimen B” in Okada (1932).
- UMUTZ-PorfH-189
 Locality: Tosa wan [Tosa Bay]
 Date: 1895
 Label information: *Euplectella oweni* Herkl. & Marsh.
 Condition: Wet (崩れている)

UMUTZ-PorfH-394

Locality: Enagake, Mera 2, St. 5
Date: 10/8/95 [10 August 1895]
Collector: Kumakichi Aoki
Condition: Wet
Remarks: 共生エビ 2 個体

UMUTZ-PorfH-397

No data
Condition: Wet

UMUTZ-PorfH-398

Locality: 128° 48' 0E, 33° 22' 0N 湾?島 東 凡 50 里、66 ヒロ
Date: 大正 2 年 10 月 30 日 [30 October 1913]
Condition: Wet

UMUTZ-PorfH-399

Locality: Shikoku, Awa, S. of Cape Gamoda & Ishima I
Date: 1913
Collector: Mr. R. Takeshige & Mr. G. Hirashima
Condition: Wet
Remarks: 共生エビ 1 個体

UMUTZ-PorfH-400

Collector: Naokatsu Yanagi
Condition: Wet
Remarks: 共生エビ 1 個体

UMUTZ-PorfH-545

Locality: 瀬戸、和歌山 [Seto, Wakayama]. 玄界灘, 100-180 ヒロ [Genkainada, 100-180hiro]
Date: 1903 年 6 月 16 日
Label information: Euplectella oweni ?, O.C. 8105
Condition: Dry

UMUTZ-PorfH-685

Locality: Genkainada
Date: 1894
Collector: Nakayama
Label information: Euplectella oweni M. & H., 503
Condition: Dry

UMUTZ-PorfH-724

Locality: Genkai Sea, Akamagasaki
Collector: Nakayama, Mr. Ono
Label information: Euplectella oweni M
Condition: Dry

UMUTZ-PorfH-730

Locality: Tsushima?
Label information: Euplectella oweni H. & M., Sp. 504
Condition: Dry

UMUTZ-PorfH-773

Label information: Sp. 505. Euplectella oweni H & M
Condition: Dry

UMUTZ-PorfH-779

Label information: Euplectella oweni Herkt & Marsh
Condition: Dry

Euplectella suberea Thomson, 1876

UMUTZ-PorfH-165

Locality: Valdivia 33, 2480 m
Label information: *Euplectella suberea* Wyv. Th.
Condition: Wet

Euplectella timorensis Ijima, 1927

UMUTZ-PorfH-230 (Pl. 8, fig. 3)

Locality: Siboga St. 300
Label information: “Prof. I. Ijima, Tokyo. *Euplectella timorensis* nov. sp. Specimen A – Siboga 300.”, “Siboga—Expeditie. Stat: 300. Eupl. Timorensis Spec. A.”
Condition: Wet
Remarks: **Holotype**. Ijima (1927, p. 327: Pl. VII, figs. 1, 5).

UMUTZ-PorfH-234

Locality: Siboga St. 289
Label information: “Prof. I. Ijima, Tokyo. *Euplectella timorensis* ? nov. sp., Specimen G. Siboga Stat. 289”, “Siboga—Expeditie. Stat: 289.”
Condition: Wet
Remarks: **Paratype**. Ijima (1927, p. 329: Pl. VII, fig. 4).

Euplectella spp.

UMUTZ-PorfH-53

Locality: 洲の崎沖 2 マイル、150 尋 [Two miles off Sunosaki, 150 hiro]
Date: 1894 年 7 月 13 日
Label information: *Euplectella* sp.
Condition: Wet

UMUTZ-PorfH-188

Locality: St. 47. 100 hiro
Date: 5th Aug, 1896
Label information: *Crateromorpha corrugata* Ij., Sp. 447
Condition: Wet
Remarks: ラベルは誤同定

UMUTZ-PorfH-389

Locality: Albatross, St. D5511
Date: Aug. 7, 1909
Condition: Wet

UMUTZ-PorfH-402

Locality: Albatross St. 5503
Date: Aug. 4, 1909
Condition: Wet
Remarks: 共生エビ 4 個体

UMUTZ-PorfH-403

Locality: Albatross St. D5503
Date: Aug. 4, 1909
Condition: Wet

UMUTZ-PorfH-543

Locality: 長崎県 女島沖、80-130 ヒロ [Off Meshima Island, Nagasaki, 80-130 hiro]
Date: 明治 43 年 5 月 25 日 [25 May 1910]
Condition: Dry (状態悪し)

UMUTZ-PorfH-717

Locality: Albatross D-5518, 5519, 5516, 5536 他

Date: 9 August 1909 他

Condition: Dry

Genus *Holascus*

Holascus fibulatus Schulze, 1886

UMUTZ-PorfH-23

Locality: Valdivia 240, 2959 m

Label information: Hol...s [illegible] fibulatus F. E. Sch.

Condition: Wet

Holascus tenuis Schulze, 1904

UMUTZ-PorfH-57

Locality: Valdivia 152, 4636 m

Label information: *Holascus tenuis* F. E. Sch.

Condition: Wet

Genus *Placopegma*

Placopegma solutum Schulze, 1896

UMUTZ-PorfH-120

Locality: Valdivia 240, 2959 m

Label information: *Placopegma solutum* Schulze

Condition: Wet

Placopegma sp.

UMUTZ-PorfH-464

Locality: Albatross 4771, 426 fms

Date: June 4, 1906

Condition: Wet

Family Leucopsacidae ショウロカイメン科

Genus *Chaunoplectella*

Chaunoplectella cavernosa Ijima, 1896 カゴノメカイメン

UMUTZ-PorfH-372

Locality: Okinose soto, 400 hiro

Date: Feb. 1914

Collector: Kumakichi Aoki

Condition: Wet

UMUTZ-PorfH-475

Label information: *Chaunoplectella*, Sp. 407

Condition: Wet

Remarks: Ijima (1903, p. 69: Pl. V, figs. 8, 9).

UMUTZ-PorfH-799 (Pl. 9, fig. 1)

Locality: Okinose

Date: 15/5/94 [15 May 1894]

Collector: Kumakichi Aoki

Label information: "Sci. Coll. Mus. Spec. 443. *Chaunoplectella cavernosum*, Ij. Okinose. 15/5/94. Kuma."

Condition: Dry

Remarks: **Syntype** (Ijima, 1896, p. 69: Pl. IV, figs. 1-9).

Chaunoplectella spinifera Ijima, 1903

UMUTZ-PorfH-26

Locality: Albatross coll. St. 5085

Label information: *Chaunoplectella spinifera* Ijima

Condition: Wet

UTZ-PorfH-369

Locality: On way to Oshima, Sagami Sea

Date: 1913

Collector: Matsumoto

Condition: Wet

Remarks: 骨片の観察から本種である可能性が高いと思われる。

Chaunoplectella stelleta Ijima, 1927

UMUTZ-PorfH-245 (Pl. 9, fig. 3)

Locality: Siboga St. 59

Label information: “Stat. 59. Prof. I. Ijima, Tokyo. *Chaunoplectella stelleta* [sic] Ij., n. sp. (*Leucopsacasidae*). Siboga, Stat. 59.”, “a...[illegible] Siboga, Stat. 59” [赤ラベル]

Condition: Wet

Remarks: **Holotype** (Ijima, 1927, p. 324: Pl. IX, figs. 6-9).

Genus ***Leucopsacus***

Leucopsacus orthodocus Ijima, 1898 エツキショウロカイメン

UMUTZ-PorfH-86 (Pl. 9, fig. 2)

Locality: St. 13

Date: 6/8/94 [6 August 1894]

Label information: “Sp. 230 *Leucopsacus orthodocus* [“*Lanuginella*”を消してある] stat. 13. 6/8/94. Attached to the same caryophyllia as sp. no. 229. Sublimate. Abs. alc.”

Condition: Wet

Remarks: **Lectotype** (designated by Tabachnick, 2002). Ijima (1898, p35: Pl. III, figs. 14, 16, 17, 21).

***Leucopsacus* sp.**

UMUTZ-PorfH-54

Locality: Okinose, 350 hiro

Date: 10/2/1902

Collector: Kumakichi Aoki

Label information: *Leucopsacus* ?

Condition: Wet

Family Rossellidae ロッセリ (ロッセラ) 科

Subfamily Lanuginellinae

Genus ***Lanuginella***

Lanuginella pupa Schmidt, 1870

UMUTZ-PorfH-4

Locality: Albatross coll. St. 4934

Label information: *Lanuginella pupa* O. Schmidt

Condition: Wet

Remarks: Okada (1932, p. 68: Pl. 5, fig. 2).

UMUTZ-PorfH-272

Locality: Doketsuba, 130hiro
Date: 9/8/1897
Collector: Kumakichi Aoki
Label information: Lanuginella pupa, Sp. 453
Condition: Wet

Lanuginella spp.

UMUTZ-PorfH-1

Locality: Anezaki & Mera 1-1/2, St. 33
Date: 8/8/95 [8 August 1895]
Label information: Lanuginella pupa (?)
Condition: Wet

UMUTZ-PorfH-121

Locality: Iwadogake no soto Taken from a Gusoku, ca 400 hiro
Date: Feb. 1910
Collector: Kumakichi Aoki
Label information: Lanuginella ?
Condition: Wet

UMUTZ-PorfH-450

Locality: Gokeba 150-200hiro
Date: 18/6/02 [18 June 1902]
Collector: Kumakichi Aoki
Condition: Wet

UMUTZ-PorfH-454

Locality: Sagami Sea
Date: 1912
Collector: Kumakichi Aoki
Condition: Wet

UMUTZ-PorfH-461

Locality: St. 13
Date: 6/8/94 [6 August 1894]
Label information: Lanuginella pupa, Sp. 229
Condition: Wet (状態悪し、カビ生え)
Remarks: Ijima (1904: Pl. I, figs. 1-13).

Genus *Lophocalyx*

Lophocalyx suluana Ijima, 1927

UMUTZ-PorfH-244-1

Locality: Siboga St. 251 W of Kei Is.
Label information: ラベルが2種類 (合計5枚) 混在しており、標本のラベルがどれか不明。"Prof. I. Ijima, Tokyo. *Lophocalyx suluensis* Ij. Specimens C & D. Stat. 251. W. of Kei Is.", "Siboga Expedition Stat. 251.", "Siboga—Expeditie. Stat. 251", "St. 253", "Stat. 253. *Lophocalyx suluensis* Ij."
Condition: Wet
Remarks: **Paratype**? "Specimen C" in Ijima (1927)?.

UMUTZ-PorfH-244-2

Locality: Siboga St. 251 W of Kei Is.
Label information: ラベルが2種類 (合計5枚) 混在しており、標本のラベルがどれか不明。"Prof. I. Ijima, Tokyo. *Lophocalyx suluensis* Ij. Specimens C & D. Stat. 251.

W. of Kei Is.”, “Siboga Expedition Stat. 251.”, “Siboga—Expeditie. Stat: 251”,
“St. 253”, “Stat. 253. Lophocalyx suluensis Ij.”

Condition: Wet

Remarks: **Paratype**? “Specimen D” in Ijima (1927)?.

UMUTZ-PorfH-247-1 (Pl. 9, fig. 4)

Locality: Siboga St. 97

Label information: “Prof. I. Ijima, Tokyo. Lophocalyx suluensis Ij. n. sp., Specimens A and
B. Siboga Stat. 97.”

Condition: Wet

Remarks: **Holotype**. “Specimen A” in Ijima (1927).

UMUTZ-PorfH-247-2 (Pl. 9, fig. 4)

Locality: Siboga St. 97

Label information: “Prof. I. Ijima, Tokyo. Lophocalyx suluensis Ij. n. sp., Specimens A and
B. Siboga Stat. 97.”

Condition: Wet

Remarks: **Paratype**. “Specimen B” in Ijima (1927).

UMUTZ-PorfH-248

Locality: Siboga St. 253

Label information: Lophocalyx suluensis

Condition: Wet

Remarks: **Paratype**? “3 very small specimens” in Ijima (1927).

Genus *Sympagella*

Sympagella anomala Ijima, 1903

UMUTZ-PorfH-27

Locality: Iwadogake no soto, 350 hiro

Date: 9/1/96 [9 January 1896]

Collector: Kumakichi Aoki

Label information: *Sympagella gemma* Ij

Condition: Wet

UMUTZ-PorfH-130

Locality: Iwadogake no soto, ca, 400 hiro

Date: 18/2/96 [18 February 1896]

Label information: *Sympagella gemma* Ij, Sp. 412

Condition: Wet (カビ生え)

UMUTZ-PorfH-171

Label information: “Sp. 473. Sympa...[illegible]”

Condition: Wet

Remarks: **Syntype** (Ijima, 1903: Pl. VIII, fig. 16). 骨片の形態で同定を確認。

Locality: Iwadogake no soto, ca. 400 hiro

Date: 18/2/96 [18 February 1896]

Label information: *Sympagella gemma* Ij, Sp. 411

Condition: Wet

UMUTZ-PorfH-293

Locality: Off Okinose

Label information: *Sympagella gemma* Ijima, Sp. 451

Condition: Wet

UMUTZ-PorfH-628

Locality: Okinose

Label information: “Sp. 355 *Sympagella gemma* Ijima Okinose, Sagami Bay”

- Condition: Dry
 Remarks: **Syntype** (Ijima, 1903: Pl. VIII, fig. 3)
- UMUTZ-PorfH-651
 Locality: ゴケバ、ケンサキ, 400 ヒロ [Gokeba, Kensaki, 400 hiro]
 Date: 1895 年 4 月 22 日
 Collector: Kumakichi Aoki
 Label information: “Sci. Coll. Mus. Spec. 367 Plesrhabdus pedunculatus Ij. Gokeba
 Kensaki 400 hiro. 22/4/95. “Pink red“. K.”
 Condition: Dry: *Periphragella elisae* に付着、状態悪し
 Remarks: **Syntype** (Ijima, 1903: Pl. VIII, fig. 2). ラベルでは *Plesrhabdus pedunculatus*
 となっているが、*Sympagella anomala* Ijima, 1903 の原記載で図示された標本であ
 るので本種として扱った。
- UMUTZ-PorfH-719 (Pl. 10, fig. 1)
 Locality: Mae no Yodomi, 350-400 hiro
 Date: April 1898
 Label information: “Sci. Coll. Mus. Spec. 455. Maye-no-Yodomi, 350-400 hiro. April,
 ‘98”, “Sp. 455. Type. *Sympagella gemma* Ij. Maye-no-Yodomi” [赤ラベル]
 Condition: Dry (状態悪し: 付着基盤のみ)
 Remarks: **Syntype** (Ijima, 1903: Pl. VIII, fig. 1)

***Sympagella* spp.**

- UMUTZ-PorfH-124
 Locality: Okinose soto
 Date: April 1901
 Collector: Kumakichi Aoki
 Label information: *Sympagella*?
 Condition: Wet
- UMUTZ-PorfH-274
 Locality: Gokeba, Kensaki, ca. 400 hiro
 Date: April 1895
 Label information: A Lyssacine
 Condition: Wet

Subfamily Rossellinae ロッセリ (ロッセラ) 亜科

Genus *Acanthascus*

Subgenus *Acanthascus*

Acanthascus (Acanthascus) cactus Schulze, 1886 シャボテンワタカイメン

- UMUTZ-PorfH-82
 Locality: Albatross coll. St. 5088
 Label information: *Acanthascus cactus* F. E. Schulze
 Condition: Wet
 Remarks: Either “specimen A” or “specimen B” in Okada (1932).

- UMUTZ-PorfH-292
 Locality: St. 15. Off Senzu, Oshima
 Date: Aug. 1894
 Collector: Ijima
 Label information: *Acanthascus cactus* Schulze
 Condition: Wet

- UMUTZ-PorfH-514
 Locality: モチ山 [Mochiyama]

- Date: 1894 年 12 月
Collector: 購入 [Purchased]
Label information: *Acanthascus cactus* Schulze, sp. 429
Condition: Dry
Remarks: Ijima (1904, p. 142: text-figure 6B).
- UMUTZ-PorfH-515
Locality: 沖ノ瀬外、350-400 ヒロ [Okinose soto, 350-400 hiro]
Date: 明治 31 年 12 月 15 日 [15 December 1898]
Collector: Kumakichi Aoki
Label information: *Acanthascus cactus* Schulze
Condition: Dry
- UMUTZ-PorfH-526
Locality: 沖ノ瀬外 [Okinose soto]
Date: 明治 33 年 12 月 [December 1900]
Collector: Kumakichi Aoki
Label information: *Acanthascus cactus*
Condition: Dry
- UMUTZ-PorfH-540
Locality: Nakanoyodomi , 400hiro
Date: 24/12/94 [24 December 1894]
Collector: Kumakichi Aoki
Label information: *Acanthascus cactus*
Condition: Dry
- UMUTZ-PorfH-542
Locality: Okinose
Date: April 1894
Collector: Kumakichi Aoki
Label information: *Acanthascus cactus* Ijima [sic]
Condition: Dry
- UMUTZ-PorfH-544
Locality: Okinose, 300 hiro
Date: March, 1894
Label information: *Acanthascus cactus* Schulze, Sp. 431
Condition: Dry
Remarks: Ijima (1904, p. 142: Text-figure 6D).
- UMUTZ-PorfH-593
Locality: Nisi no Yodomi 黒崎掛, 300 ヒロ [Kurosakigake, 300 hiro]
Date: 13 April 1894
Collector: Kumakichi Aoki
Label information: *Acanthascus cactus*
Condition: Dry
- UMUTZ-PorfH-594
Locality: Okinose soto, 350-400 hiro
Date: 15 Dec. 1898
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-595
No data
Condition: Dry

UMUTZ-PorfH-600

Locality: Okinose soto, 350-400 hiro
Date: 明治 31 年 12 月 15 日 [15 December 1898]
Collector: Kumakichi Aoki
Label information: Acanthascus cactus
Condition: Dry

UMUTZ-PorfH-602

Locality: オキノセ外、350-400 ヒロ [Okinose soto, 350-400 hiro]
Date: 1898 年 12 月 15 日
Collector: Kumakichi Aoki
Label information: Acanthascus cactus
Condition: Dry

UMUTZ-PorfH-603

Locality: イゲノ外、400 ヒロ [Igeno soto, 400 hiro]
Date: 明治 32 年 3 月 19 日 [19 March 1899]
Collector: Kumakichi Aoki
Label information: Acanthascus cactus
Condition: Dry

UMUTZ-PorfH-604

Locality: Okinose soto, 350-400 hiro
Date: 明治 35 年 2 月 [February 1902]
Collector: Kumakichi Aoki
Label information: Acanthascus cactus
Condition: Dry

UMUTZ-PorfH-607

Locality: 沖ノ瀬外、350-400 ヒロ [Okinose soto, 350-400 hiro]
Date: 明治 31 年 12 月 15 日 [15 December 1898]
Collector: Kumakichi Aoki
Condition: Dry

UMUTZ-PorfH-624

Locality: Yodomi, 300-400 hiro
Date: 25/4/94 [25 April 1894]
Collector: Kumakichi Aoki
Label information: Acanthascus cactus Schulze
Condition: Dry

UMUTZ-PorfH-640

Locality: Okinose , 300 hiro
Date: April 2
Collector: Kumakichi Aoki
Condition: Dry

UMUTZ-PorfH-655

Locality: オキノセ内ベタ、100 ヒロ [Okinose, Uchibeta, 100 hiro]
Date: 明治 35 年(?)12 月 [December 1902]
Condition: Dry

UMUTZ-PorfH-662

No data
Condition: Dry

UMUTZ-PorfH-664

Locality: Okinose, 250 hiro
Date: Feb. '94 [February 1894]

- Collector: Kumakichi Aoki
 Label information: *Acanthascus*, Sp. 159
 Condition: Dry
- UMUTZ-PorfH-669
 Locality: Okinose soto, 350-400 hiro
 Date: 明治 31 年 12 月 15 日 [15 December 1898]
 Collector: Kumakichi Aoki
 Label information: *Acanthascus cactus* Ijima
 Condition: Dry
- UMUTZ-PorfH-675
 Locality: オキノセ、内ベタ 400 ヒロ [Okinose, Uchibeta, 400 hiro]
 Date: 明治 35 年 12 月 [December 1902]
 Condition: Dry
- UMUTZ-PorfH-712
 No data
 Condition: Dry
- UMUTZ-PorfH-728
 Locality: Okinose, 350 hiro
 Date: May 7, 1921 他
 Label information: *Acanthascus cactus*
 Condition: Dry

Acanthascus (Acanthascus) pachyderma Okada, 1932

- UMUTZ-PorfH-84
 Locality: Albatross coll. St. 4803
 Label information: "Sci Coll Mus. *Acanthascus pachyderma* n. sp. Albatross Coll. Station 4803"
 Condition: Wet
 Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22123) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932: Pl. 5, fig. 1; Textfig. 12)。

Acanthascus (Acanthascus) sp. 1

- UMUTZ-PorfH-559
 Locality: Sagami Sea, ca 400 hiro
 Label information: *Acanthascus tubus* Ijima MS
 Condition: Dry
 Remarks: Undescribed species

Acanthascus (Acanthascus) spp.

- UMUTZ-PorfH-472
 Locality: Homba, ca. 400 hiro
 Date: 3/5/96 [3 May 1896]
 Collector: Kumakichi Aoki
 Condition: Wet
- UMUTZ-PorfH-764b
 Locality: オキノセ外 [Okinose soto]
 Date: 明治 33 年 12 月 [December 1900]
 Collector: Kumakichi Aoki
 Label information: *Aphrocallistes*, *Acanthascus*, *Farrea*

Condition: Dry
Remarks: 3 種が融合

Subgenus *Rhabdocalyptus*
Acanthascus (Rhabdocalyptus) australis (Topsent, 1901)

UMUTZ-PorfH-284

Locality: albatross Coll. St. 4772
Label information: *Rhabdocalyptus australis*
Condition: Wet
Remarks: Either “specimen A” or “specimen B” in Okada (1932).

Acanthascus (Rhabdocalyptus) baculifer Schulze, 1904

UMUTZ-PorfH-161

Locality: Valdivia 103, 500 m
Label information: *Rhabdocalyptus baculifera* Schulze
Condition: Wet

Acanthascus (Rhabdocalyptus) bidentatus (Okada, 1932)

UMUTZ-PorfH-277

Locality: Albatross Coll. St. 5087
Label information: “Sci Coll Mus. *Rhabdocalyptus bidentatus* n. sp. Albatross Coll. Station 5087”
Condition: Wet
Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22053) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932: Textfig. 16)。

Acanthascus (Rhabdocalyptus) capillatus (Ijima, 1897) キヌカツギカイメン

UMUTZ-PorfH-55

Locality: Honba, 400 hiro
Date: 25/4/94 [25 April 1894]
Collector: Kumakichi Aoki
Label information: *Rhabdocalyptus capillatus* Ijima, Sp. 236
Condition: Wet

UMUTZ-PorfH-133

Locality: Mochiyama
Label information: “Sp. 413... [illegible]”
Condition: Wet
Remarks: **Syntype**. Ijima (1904): Pl. XXII, fig. 5.
Remarks: 骨片を見て同定

UMUTZ-PorfH-287-1 (Pl. 10, fig. 2)

Locality: Homba, 350-400 hiro
Date: 7 December 1894
Collector: Kumakichi Aoki
Label information: “Sp. 247, 287 *Rhabdocalyptus capillatus* Ij. Type Spec.” [赤ラベル],
“Sp. 287. *Rhabdocalyptus*. Inagake no uchibata 350 hiro. N. of stat no. 5 21/12/94. K. II.
[? illegible] with sp. no. 247”
Condition: Wet
Remarks: **Syntype**. Ijima (1904: Pl. XXII, fig. 1).

UMUTZ-PorfH-287-2

Locality: Inagake no uchibeta 350 hiro

Date: 21 December 1894

Collector: Kumakichi Aoki

Label information: “Sp. 247, 287 *Rhabdocalyptus capillatus* Ij. Type Spec.” [赤ラベル],
“Sp. 247, *Rhabdocalyptus mollis*? Homba. 350-400 hiro Dec. 7. 94. Kuma”

Condition: Wet

Remarks: **Syntype**. Ijima (1904: Pl. XXII, fig. 1).

UMUTZ-PorfH-367

Data illegible

Condition: Wet

Remarks: 骨片を見て同定.

Acanthascus (Rhabdocalyptus) heteraster (Okada, 1932)

UMUTZ-PorfH-44

Locality: Albatross coll. St. 4770 (ペーリング海)

Label information: “Sci Coll Mus. *Rhabdocalyptus heteraster* n. sp. Albatross Coll. Station
4770”

Condition: Wet

Remarks: A fragment of **holotype** or a paratype. Holotype の主要部分(USNM 22052) は
National Museum of Natural History, Smithsonian Institution に収蔵されている。

Acanthascus (Rhabdocalyptus) mollis Schulze, 1886

UMUTZ-PorfH-96

Locality: Off Odawara, St. 23,

Date: 30/7/95 [30 July 1895]

Label information: *Rhabdocalyptus mollis* Ij., Sp. 422

Condition: Wet (カビ生え)

UMUTZ-PorfH-768

Locality: Sagami Sea

Collector: Pres. by Owston

Label information: *Rhabdocalyptus mollis* Schulze

Condition: Dry

Acanthascus (Rhabdocalyptus) unguiculatus (Ijima, 1904)

UMUTZ-PorfH-29

Locality: Ikegake no soto, 300 hiro

Date: 20/3/99 [20 March 1899]

Label information: “Sp. 473. *Rhabdocalyptus*? *unguiculatus* Ij. Ike-gake no Soto, 350 hiro.
20/3/99”

Condition: Wet

Remarks: **Paratype**. “fifth specimen” in Ijima (1904, p. 269).

UMUTZ-PorfH-76

Locality: Albatross coll. St. 4781

Label information: *Rhabdocalyptus unguiculatus* Ijima

Condition: Wet

UMUTZ-PorfH-99

Locality: Albatross coll. St. 4781

Label information: *Rhabdocalyptus unguiculatus* ijima

Condition: Wet

UMUTZ-PorfH-439

Locality: オキノセ外 [Okinose soto]
Date: 明治 33 年 2 月 [February 1900]
Collector: Kumakichi Aoki
Label information: Rhabdocalyptus unguiculatus Ij, 502
Condition: Wet

UMUTZ-PorfH-613

Locality: Sengenzuka uchibeta, ca. 350 hiro
Date: 18/1/96 [18 January 1896]
Collector: Kumakichi Aoki
Label information: “Rhabdocalyptus unguiculatus Ij.”, Rhabdocalyptus unguiculatus [種小名を 2 回消し、” unguiculatus”に修正] Said to have been attached to...[illegible] together with Sp. 401. Sengenzuk Uchibata, ca 350 hiro. 18/1/96. Kuma.”
Condition: Dry
Remarks: **Paratype**. “sixth [specimen]” in Ijima (1904, p. 269).

UMUTZ-PorfH-634

Locality: 熱海沖、400 ヒロ [Off Atami, 400 hiro]
Date: 明治 39 年 6 月 21 日 [21 June 1906]
Collector: Kumakichi Aoki
Label information: Rhabdocalyptus unguiculatus Ijima
Condition: Dry

UMUTZ-PorfH-769 (Pl. 10, fig. 3)

Locality: オキノセ外 [Okinose soto]
Date: 明治 33 年 12 月 [December 1900]
Collector: Kumakichi Aoki
Label information: “501. Rhabdocalyptus unguiculatus Ij. オキノセ外. 明治三三年一月. 熊”
Condition: Dry
Remarks: **Holotype** (Ijima, 1904, p. 269: Pl. XXI).

Acanthascus (Rhabdocalyptus) victor (Ijima, 1897) ツリガネカイメン

UMUTZ-PorfH-97

Locality: Albatross coll. St. 5090
Label information: Rhabdocalyptus vivtor Ijima
Condition: Wet
Remarks: Okada (1932, p. 116).

UMUTZ-PorfH-182

Locality: Okinose (Iwadogake no soto)
Date: 2 April 1894
Collector: Kumakichi Aoki, Ijima
Label information: Rhabdocalyptus victor, Sp. 227
Remarks: Ijima (1904: Pl. XIX, fig. 17). 骨片の形態で同定を確認。

UMUTZ-PorfH-203

Locality: Okinose Outside
Date: April 1901
Collector: Kumakichi Aoki
Label information: Rhabdocalyptus victor Ij, Sp. 520
Condition: Wet

UMUTZ-PorfH-368

Data illegible

- Condition: Wet
Remarks: 骨片の形態を見て同定。
- UMUTZ-PorfH-370
Data illegible
Condition: Wet
Remarks: 骨片の形態を見て同定。
- UMUTZ-PorfH-413
Condition: Wet
- UMUTZ-PorfH-511
Locality: Okinose soto, 350-400 hiro
Date: 明治 35 年 2 月 [February 1902]
Collector: Kumakichi Aoki
Label information: *Rhabdocalyptus victor* Ijima
Condition: Dry
- UMUTZ-PorfH-541
Locality: Iwadogake no soto, ca. 400 hiro
Date: Feb. 25, 1896
Collector: Kumakichi Aoki
Label information: *Rhabdocalyptus victor* Ijima, Sp. 425
Condition: Dry
Remarks: Ijima (1904, p. 239: text-figure 8B and B').
- UMUTZ-PorfH-571
No data
Condition: Dry (ガラスケース入り特大標本)
Remarks: Ijima (1904, p. 241: Pl. XVII) (計測値記載)
- UMUTZ-PorfH-601
Locality: 本場 [Homba]
Date: 明治 30 年 4 月 21 日 [21 April 1897]
Collector: Kumakichi Aoki
Label information: *Rhabdocalyptus victor* Ijima
- UMUTZ-PorfH-629
Locality: Okinose soto, Iwado, 350-400 ヒロ
Date: 15/12/98 [15 December 1898]
Collector: Kumakichi Aoki
Label information: *Rhabdocalyptus victor* ijima, Sp. 460
Condition: Dry
Remarks: Ijima (1904, p. 240: text-figure 8C).
- UMUTZ-PorfH-672
Locality: Okinose soto, 350-400 hiro
Collector: Kumakichi Aoki
Condition: Dry
- UMUTZ-PorfH-711
No data
Condition: Dry
- UMUTZ-PorfH-744
Locality: Homba, 400 hiro
Date: Dec. 17, 1894
Collector: Kumakichi Aoki
Label information: *Rhabdocalyptus victor* Ijima, Sp. 267
Condition: Dry

Remarks: Ijima (1904, p. 240: text-figure 8D and D').
UMUTZ-PorfH-745
No data
Condition: Dry
UMUTZ-PorfH-770
Locality: Sengenzuka Uchibeta, ca. 350hiro
Date: 18/1/96 [18 January 1896]
Collector: Kumakichi Aoki
Label information: Rhabdocalyptus victor Ijima, Sp. 401
Condition: Dry
UMUTZ-PorfH-771
Locality: Sagami Sea
Date: 1913
Collector: Kumakichi Aoki
Condition: Dry
UMUTZ-PorfH-783
Locality: Okinose soto, 400 hiro
Date: Feb. 1914
Collector: Kumakichi Aoki
Condition: Dry

Acanthascus (Rhabdocalyptus) sp. 1

UMUTZ-PorfH-558
Locality: Homba
Date: May, '98 [May 1898]
Collector: Kumakichi Aoki
Label information: Rhabdocalyptus maximus Ijima, Sp. 424
Condition: Dry
Remarks: MS name

Acanthascus (Rhabdocalyptus) spp.

UMUTZ-PorfH-469
Locality: Albatross 4771, 426 fms
Date: June 4, 1906
Condition: Wet
UMUTZ-PorfH-470
Locality: Albatross 4771, 426 fms
Date: June 4, 1906
Condition: Wet
UMUTZ-PorfH-614
Locality: オキノセ外 [Okinose soto]
Date: 明治 33 年 12 月 [December 1900]
Collector: Kumakichi Aoki
Condition: Dry
UMUTZ-PorfH-737
No data
Condition: Dry
UMUTZ-PorfH-780
Locality: Okinose soto 350-400 hiro
Date: 明治 35 年 2 月 [February 1902]

Collector: Kumakichi Aoki
Condition: Dry
UMUTZ-PorfH-812
Locality: オキノセ外 [Okinose soto]
Date: 明治 33 年 12 月 [December 1900]
Collector: Kumakichi Aoki
Condition: Dry

Subgenus *Staurocalyptus*
Acanthascus (Staurocalyptus) affinis (Ijima, 1904)

UMUTZ-PorfH-288
Locality: 三崎沖、沖の山近傍 [Near Okinoyama, off Misaki]
Date: 明治 24 年 12 月 13 日 [13 December 1891]
Label information: “Sc. Coll. Sp. – 194 – *Staurocalyptus crassifibratus* Ij.,” “Sp. 194
Type-spec. *Staurocalyptus japonicus* Ij” [赤ラベル], “明治廿四年十二月十三日 三
崎沖字沖ノ山近傍ニテ捕獲ス”
Condition: Wet
Remarks: **Syntype**. Ijima (1904, p. 181: Pl. XIII, figs. 1-13). *Staurocalyptus crassifibratus*,
Staurocalyptus japonicus は、いずれも MS 名と思われる (本文参照)。

UMUTZ-PorfH-793 (Pl. 10, fig. 4)
Locality: Nago in line with Daibusa & about 1 ri off from the latter
Date: 4/5/95 [4 May 1895]
Label information: “Sci. Coll. Mus. Spec. 400 *Staurocalyptus crassifibratus* [学名を数回
修正した跡あり] Ij. Type specimen. Obtained by Mutsu-nawa. Nago in line with
Daibusa & about 1 ri off from the latter. 4/5/95. *Staurocalyptus affinis* [“crassifibratus”
と *japonicus*”を消して”*affinis*”に修正]” Ij. Type., “Sp. 400 Type-specimen.
Staurocalyptus affinis Ij. Off Daibusa.” [赤ラベル]
Condition: Dry
Remarks: **Syntype**. “The second specimen” in Ijima (1904, p. 183: Pl. XIV, fig. 14).
Staurocalyptus crassifibratus, *Staurocalyptus japonicus* は、いずれも MS 名と思われ
る (本文参照)。

Acanthascus (Staurocalyptus) entacanthus (Ijima, 1904)

UMUTZ-PorfH-63
Locality: Onigase Uchibeta, 3-400 hiro
Date: 21/11/94 [21 November 1894]
Collector: Kumakichi Aoki
Label information: “乾品別ニアリ. Sp. no. 242. Onigase uchibeta 3-400 hiro 21/11/94.
Kuma. 90% alc.” *Staurocalyptus entacanthodes* [sic] Ij.”
Condition: Wet
Remarks: **Holotype**. A fragment of UMUTZ-PorfH-797?

UMUTZ-PorfH-135
Locality: Iwadogake
Label information: *Staurocalyptus enfacinusbodes* [sic]
Condition: Wet

UMUTZ-PorfH-797 (Pl. 11, fig. 1)
Locality: Inside of Onigase ca. 3 ri off Mera, 300-400 hiro
Date: Nov. 21st, 1894
Collector: Kumakichi Aoki
Label information: “*Staurocalyptus entacanthus* Ij. Type specimen”, “Sp. 242

Staurocalyptus entacanthus Ijima 300-400 hiro, Inside of Onigase, ca. 3 ri off Mira.”, “Sp. no. 242. Staurocalyptus entacanthus [“japonicus?”を消して”entacanthus”に修正] Ij. Inside Onigase”, “Sci. Coll. Muse. Spec. 242. Staurocalyptus entacanthodes [sic.; “Acanthascus inermis, Ij”を消して”Staurocalyptus entacanthodes”に修正] Inside of Onigase, ca 3 ri off Mira, 3-400 hiro. Nov. 21st 1894. Kuma.”

Condition: Dry

Remarks: **Holotype**

Acanthascus (Staurocalyptus) glaber (Ijima, 1897)

UMUTZ-PorfH-10

Locality: Iwadogake no soto, Okinose, Sagami Bay, 330-340 hiro

Date: May 1895

Collector: Kumakichi Aoki

Label information: Staurocalyptus glaber Ij

Condition: Wet

UMUTZ-PorfH-71

Locality: Honba

Date: May 1894

Collector: Kumakichi Aoki

Label information: Staurocalyptus glaber Ij, Sp. 324

Condition: Wet

UMUTZ-PorfH-381

Locality: オキノセ外、400 ヒロ [Okinose soto, 400 hiro]

Date: 明治 33 年 2 月 18 日 [18 February 1900]

Collector: Kumakichi Aoki

Condition: Wet

UMUTZ-PorfH-516 (Pl. 11, fig. 2)

Locality: Honba, 350-400 hiro

Date: Dec. 7, 1894

Collector: Kumakichi Aoki

Label information: “Sci. Coll. Mus. Spec. no. 244 Staurocalyptus [“Phabdo”を消して”Stauro”に修正] glaber Ij. Type Spec. Homba, 350-400 hiro. 7/12/94 Kuma.”, “Sp. 244. Type Staurocalyptus glaber Ij. Homba, 350-400 hiro” [赤ラベル], “Sp. 244 Staurocalyptus glaber Ijima Homba, 350—400 hiro, Dec. 7, 1894, K. Aoki coll [TYPE]”

Condition: Dry (状態悪い)

Remarks: **Syntype** だが、現存している部分は付着していた *Periphragella elisae* (別種) で本種の Type 本体は崩れてなくなっている。

UMUTZ-PorfH-792

Label information: Staurocalyptus glaber, Sp.414

Condition: Dry

Acanthascus (Staurocalyptus) heteractinus (Ijima, 1897)

UMUTZ-PorfH-440 (Pl. 11, fig. 3)

Label information: Staurocalyptus heteractinus, Sp. 409 [現在はラベル上の文字が消えて判読不能であるが、整理時には上記のように読み取れた]

Condition: Wet

Remarks: **Holotype** (Ijima, 1904, p. 218: Pl. XI, figs. 1-10).

Acanthascus (Staurocalyptus) pleorhaphides (Ijima, 1897)

UMUTZ-PorfH-506

Label information: *Staurocalyptus pleorhaphides* Ijima

Condition: Dry

UMUTZ-PorfH-598

Locality: 木曜島 [Thursday Island]

Date: 明治 35 年 9 月 [September 1902]

Label information: *Staurocalyptus pleorhaphides*

Condition: Dry

UMUTZ-PorfH-606

No data

Condition: Dry

UMUTZ-PorfH-786

No data

Condition: Dry

UMUTZ-PorfH-281 (Pl. 13, fig. 4)

Locality: Sengenzuka gake & Uchibeta, about 400 hiro

Date: 8 May 1896

Collector: Kumakichi Aoki.

Label information: "Sp. 415. *Rhabdocalyptus spinifer* Ij. Type specimen. Sengenzuka-gake & Uchibeta. About 400 hiro. 8/5/96. K."

Condition: Wet

Remarks: **Syntype**. Ijima (1904, p. 222: Pl. XVI, fig. 2). ラベル上の *Rhabdocalyptus spinifer* (non *Chaunoplectella spinifera* Ijima, 1903) は飯島の MS 名と思われる (本文参照)。赤ラベル付き。

Acanthascus (Staurocalyptus) rugocruciatus (Okada, 1932)

UMUTZ-PorfH-81

Locality: Albatross coll. St. 4771

Label information: "Sci Coll Mus. *Staurocalyptus rugocruciatus* n. sp. Albatross Coll. Station 4771"

Condition: Wet

Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22051) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932: Pl. 6, fig. 4; Textfig. 13)。

Acanthascus (Staurocalyptus) spp.

UMUTZ-PorfH-219

Locality: Iwadogake no soto, ca. 400 hiro

Date: Feb. 1910

Collector: Kumakichi Aoki

Label information: *Staurocalyptus* ?

Condition: Wet

UMUTZ-PorfH-406

No data

Condition: Wet

UMUTZ-PorfH-421

Locality: ヨドミ、400 ヒロ [Yodomi, 400 hiro]

Date: 明治 31 年 12 月 12 日 [12 December 1898]

Collector: Kumakichi Aoki

Condition: Wet
UMUTZ-PorfH-422
No data
Condition: Wet
UMUTZ-PorfH-457
Date: 1912 年 3 月
Collector: Kumakichi Aoki
Condition: Wet
UMUTZ-PorfH-459
No data
Condition: Wet
UMUTZ-PorfH-704
No data
Condition: Dry
UMUTZ-PorfH-705
No data
Condition: Dry
UMUTZ-PorfH-715
Locality: オキノセ [Okinose]
Date: 明治 30 年 4 月 21 日 [21 April 1897]
Condition: Dry
UMUTZ-PorfH-772
Locality: Exact loc. not given
Date: 1907
Label information: *Staurocalyptus*, Sp. 518
Condition: Dry

Genus *Aulosaccus*

Aulosaccus albatrossi Okada, 1932

UMUTZ-PorfH-34
Locality: Albatross coll. St. 4797
Label information: “Sci Coll Mus. *Aulosaccus albatrossi* n. sp. Albatross Coll. Station 4797”
Condition: Wet
Remarks: 本標本または UMUTZ-PorfH-79 のいずれかが、holotype の一部分である。標本の大きさや形状から、本標本は **holotype** (“specimen A” in Okada, 1932) の一部である可能性が高い。Holotype の主要部分 (USNM 22111) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932)。下記も参照。

UMUTZ-PorfH-79
Locality: Albatross coll. St. 4797
Label information: “Sci Coll Mus. *Aulosaccus albatrossi* n. sp. Albatross Coll. Station 4797”
Condition: Wet
Remarks: 本標本または UMUTZ-PorfH-34 のいずれかが、holotype の一部分である。標本の大きさや形状から、本標本は **Paratype** (“specimen B” in Okada, 1932) の一部である可能性が高い。Paratype の主要部分 (登録番号不明) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932)。上記も参照。

Aulosaccus fissuratus Okada, 1932

UMUTZ-PorfH-60

Locality: Albatross coll. St. 4781

Label information: "Sci Coll Mus. Aulosaccus fissuratus n. sp. Albatross Coll. Station 4781"

Condition: Wet

Remarks: A fragment of a **paratype**. "Specimen C" in Okada (1932). Paratype の主要部分(登録番号不明)は National Museum of Natural History, Smithsonian Institution に収蔵されていると思われる (Okada, 1932)。

UMUTZ-PorfH-279

Locality: Albatross Coll. St. 4769

Label information: "Sci Coll Mus. Aulosaccus fissuratus n. sp. Albatross Coll. Station 4769"

Condition: Wet

Remarks: A fragment of a **paratype**. "Specimen A" in Okada (1932). Paratype の主要部分(登録番号不明)は National Museum of Natural History, Smithsonian Institution に収蔵されていると思われる (Okada, 1932)。

Aulosaccus fissuratus shimushirensis Okada, 1932

UMUTZ-PorfH-48

Locality: Albatross coll. St. 4803

Label information: "Sci Coll Mus. Aulosaccus fissuratus shimushirensis n. supsp. ["Okada" を消して"n. subsp"に修正] Albatross Coll. Station 4803"

Condition: Wet

Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22046)は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932)。

Aulosaccus mitsukurii Ijima, 1898

UMUTZ-PorfH-443

Locality: Sengenzuka no Uchibeta, ca. 400 hiro

Date: 8 December 1895

Label information: 427

Remarks

Condition: Wet

Remarks: **Syntype**? A fragment of UMUTZ-PorfH-750?

UMUTZ-PorfH-513

Date: Summer, 1914

Collector: Kumakichi Aoki

Label information: Aulosaccus mitsukurii ijima

Condition: Dry

UMUTZ-PorfH-750 (Pl. 11, fig. 4)

Locality: [Illegible]

Label information: "Sci. Coll. Mus. Spec. 427 Aulosaccus mitsukurii Ij. /95. K.", "Sp. 427. Type. Aulosaccus mitsukurii Ij. . . [illegible]" [ホラベル]

Condition: Dry (状態悪し)

Remarks: **Syntype**. Ijima (1904, p. 118: Pl. X, figs 1-15).

UMUTZ-PorfH-796

Locality: Sagami Sea

Date: 1913

Collector: Kumakichi Aoki
Label information: *Aulosaccus mistukurii* Ijima, Sp.549
Condition: Dry

Aulosaccus pinularis Okada, 1932

UMUTZ-PorfH-278

Locality: Albatross Coll. St. 4790
Label information: “Sci Coll Mus. *Aulosaccus pinularis* n. sp. Albatross Coll. Station 4790”
Condition: Wet
Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22112) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932)。

Aulosaccus schulzei Ijima, 1896

UMUTZ-PorfH-112

Locality: Albatross coll. St. 4803
Label information: “*Aulosaccus schulzei* Ijima Albatross Coll. Station 4803”
Condition: Wet
Remarks: Okada (1932, p. 82).

Aulosaccus solaster Okada, 1932

UMUTZ-PorfH-56

Locality: Albatross coll. St. 4804
Label information: “Sci Coll Mus. *Aulosaccus solaster* n. sp. Albatross Coll. Station 4804”
Condition: Wet
Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22109) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932: Textfig. 11)。

Aulosaccus sp.

UMUTZ-PorfH-477

Locality: 中のヨドミ、100 ヒロ [Naka no yodomi, 100 hiro]
Date: 1919 年 8 月

UMUTZ-PorfH-795

Locality: Sagami Sea
Date: 1904
Collector: Ijima
Label information: *Aulosaccus* ?
Condition: Dry

Genus *Bathydorus*

Bathydorus sp. 1

UMUTZ-PorfH-98

Locality: Albatross coll. St. 4917
Label information: *Bathydorus* α sp.
Condition: Wet
Remarks: “*Bathydorus* sp. α ” in Okada (1932).

Bathydorus sp. 2

UMUTZ-PorfH-91

Locality: Albatross coll. St. 4769
Label information: *Bathydorus* β. sp.
Condition: Wet
Remarks: “*Bathydorus* sp. β” in Okada (1932).

Genus *Caulophacus*

Subgenus *Caulophacus*

Caulophacus (Caulophacus) valdiviae Schulze, 1904

UMUTZ-PorfH-58

Locality: Valdivia 152, 4636 m
Label information: *Caulophacus valdiviae* F. E. Sch.
Condition: Wet

Genus *Crateromorpha*

Subgenus *Crateromorpha*

Crateromorpha (Crateromorpha) meyeri corrugata Ijima, 1898

UMUTZ-PorfH-49

Locality: Albatross coll. St. 5069
Label information: *Crateromorpha corrugata* Ijima
Condition: Wet
Remarks: Okada (1932, p. 68).

UMUTZ-PorfH-210

Locality: イワドガケ外 330-340 ヒロ [Iwadogake soto, 330-340 hiro]
Date: 明治 28 年 2 (?) 月 [February 1895]
Collector: Kumakichi Aoki
Label information: *Crateromorpha corrugata*, Sp. 365
Condition: Wet

UMUTZ-PorfH-298

Label information: *Crateromorpha corrugata*
Condition: Wet

UMUTZ-PorfH-512

Locality: Sagami Sea, Naka no yodomi, 200 hiro
Date: August 25th, 1919
Collector: Kumakichi Aoki
Label information: *Crateromorpha corrugata* Ijima
Condition: Dry

UMUTZ-PorfH-523

Locality: Okinose soto, 250 hiro
Date: May 14, 1899 May 15, 1899
Label information: *Crateromorpha corrugata* Ijima, Sp. 484, 485
Condition: Dry
Remarks: Ijima (1904, p. 82: text-figure 2).

UMUTZ-PorfH-533

Locality: Sagami Sea
Date: 1913 年
Collector: Kumakichi Aoki
Label information: *Crateromorpha corrugata* Ijima

UMUTZ-PorfH-555

Locality: 岩戸掛外、340-350 ヒロ [Iwadogake soto, 340-350 hiro]

Date: 明治 28 年 5 月 [May 1895]

Collector: Kumakichi Aoki

Label information: *Crateromorpha corrugata* Ijima, Sp. 439

Condition: Dry (状態悪し、柄部のみ)

UMUTZ-PorfH-610

Locality: オキノセ外 [Okinose soto]

Date: 明治 33 年 2 月 [February 1900]

Collector: Kumakichi Aoki

Condition: Dry

Crateromorpha (Crateromorpha) meyeri meyeri Gray, 1872

タカツキカイメン

UMUTZ-PorfH-42

Locality: Off Cebu, about 120 hiro

Date: Jan. 13th, 1909

Collector: Ijima

Label information: *Crateromorpha meyeri*

Condition: Wet

UMUTZ-PorfH-556

Locality: Okinose soto, 250 hiro

Date: 14/5/99 [14 May 1899]

Collector: Kumakichi Aoki

Label information: *Crateromorpha meyeri* Carter, Sp. 479

Condition: Dry

UMUTZ-PorfH-788

Locality: Homba (Dabonawa)

Date: 28/4/95 [28 April 1895]

Collector: Kumakichi Aoki

Label information: “Sci. Coll. Mus. Spec. 360 *Crateromorpha meyeri* Gray [“globosa Ijima”を消してある]. Homba (Dabonawa) 28/4/95. K.”

Condition: Dry

Remarks: Ijima (1904: Pl. V, fig. 15) as *Crateromorpha meyeri rugosa*.

Crateromorpha (Crateromorpha) meyeri rugosa Ijima, 1898

UMUTZ-PorfH-36

Locality: Albatross coll. St. 4936

Label information: *Crateromorpha meyeri rugosa* Ij

Condition: Wet

Remarks: Okada (1932, p. 66).

UMUTZ-PorfH-751 (Pl. 12, figs. 2)

Locality: Iwadogake no soto, 330-340 hiro

Date: May 1895

Collector: Kumakichi Aoki

Label information: “Sci. Coll. Mus. Spec. 366 *Crateromorpha Meyerii* Gray var *rugosa* Ij.

Iwado gake no Soto 330-40h May 1895. K.”, “Sp. 366 Type *Crateromorpha* [以下ラベル破損]” [赤ラベル]

Condition: Dry

Remarks: Syntype. Ijima (1904: Pl. V, fig. 14).

Crateromorpha (Crateromorpha) meyeri tuberosa Ijima, 1898

UMUTZ-PorfH-519-1

Locality: Okinose soto 250 hiro

Date: 15 May 1899

Collector: Kumakichi Aoki

Label information: "Sci. Coll. Mus. Spec. 478 *Crateromorpha meyeri* var *tubulosa* [sic] Ij. Okinose Soto, 250 hiro 15/5/99. K", "Sp. no. 478, 481, 482. *Crateromorpha Meyer* var *tuberosa* Ij. Okinose, 250 hiro, May 1899." [赤ラベル], "Sp. 478, 481, 482. *Crateromorpha meyeri tubulosa* [sic] Ijima Okinose, 250 hiro, May 1899 K. Aoki coll." [新しいラベル]

Condition: Dry

Remarks: Ijima (1904, p. 68: text-figure 1A).

UMUTZ-PorfH-519-2

Locality: Okinose soto 250 hiro

Date: 14 May 1899

Collector: Kumakichi Aoki

Label information: "Sci. Coll. Mus. Spec. 481 *Crat. Meyer* var *tuberosa* Ij. Okinose Soto, 250 hiro 14/5/99. K", "Sp. no. 478, 481, 482. *Crateromorpha Meyer* var. *tuberosa* Ij. Okinose, 250 hiro, May 1899." [赤ラベル], "Sp. 478, 481, 482. *Crateromorpha meyeri tubulosa* [sic] Ijima Okinose, 250 hiro, May 1899 K. Aoki coll."

Condition: Dry

UMUTZ-PorfH-519-3

Locality: Okinose soto 250 hiro

Date: 13 May 1899

Collector: Kumakichi Aoki

Label information: "Sp. 482. *Crat. Meyer* var *tub...* [illegible] 沖ノ瀬 二百五十尋 明治三二年五月十三日 熊", "Sp. no. 478, 481, 482. *Crateromorpha Meyer* var. *tuberosa* Ij. Okinose, 250 hiro, May 1899." [赤ラベル], "Sp. 478, 481, 482. *Crateromorpha meyeri tubulosa* [sic] Ijima Okinose, 250 hiro, May 1899 K. Aoki coll."

Condition: Dry

Remarks: Ijima (1904, p. 68: text-figure 1B).

UMUTZ-PorfH-547

Locality: 沖ノ瀬、250 ヒロ [Okinose, 250 hiro]

Date: 明治 32 年 5 月 13 日 [13 May 1899]

Collector: Kumakichi Aoki

Label information: *Crateromirpha meyeri* var. *tuburosa*, Sp. 483

Condition: Dry (状態悪し、柄部のみ)

UMUTZ-PorfH-554

Locality: Okinose, 250 hiro

Date: May 13, 1899

Collector: Kumakichi Aoki

Label information: *Crateromorpha meyeri tuburosa*, sp. 483

Condition: Dry

UMUTZ-PorfH-748 (Pl. 12, fig. 1)

Locality: Iwadogake no soto, ca. 300 hiro

Date: March, '96 [March 1896]

Collector: Kumakichi Aoki

Label information: "Sci. Coll. Mus. Spec. 445 *Crateromorpha meyeri* var. *tuberosa* Ij. Iwado-gake no Soto ca 300 hiro, March '96. K.", "Sp. 445 Type Spec. *Crateromorpha meyeri* var. *tuberosa* Ij... [illegible]" [赤ラベル]

Condition: Dry
Remarks: **Syntype**. Ijima (1904, p. 68: Pl. V, fig. 13).
UMUTZ-PorfH-789
Locality: Homba, ca.400 hiro
Date: 3/5/96 [3 May 1896]
Collector: Kumakichi Aoki
Label information: *Crateromorpha meyeri* var. *tubulosa* Ijima, Sp. 444
Condition: Dry
Remarks: Ijima (1904, p. 68: Pl. V, fig. 12).

Crateromorpha (Crateromorpha) spp.

UMUTZ-PorfH-67
Locality: Off Oshima, 90-100 hiro
Date: July 1913
Collector: Matsumoto, Chiba
Label information: *Crateromorpha*?
Condition: Wet
UMUTZ-PorfH-217
Locality: Bishamongake by Kimuraippai, 80 hiro
Date: 21/7/1913
Collector: Matsumoto, Chiba
Label information: *Crateromorpha* sp.
Condition: Wet
UMUTZ-PorfH-374
Locality: 高知、柏島、80 ヒロ [Kashiwajima Island, Kochi, 80 hiro]
Date: 明治41年6月 [June 1908]
Collector: Kumao Kinoshita
Condition: Wet
UMUTZ-PorfH-467
Locality: Albatross 4771, 426 fms
Date: 4 June 1906
Condition: Wet
UMUTZ-PorfH-815
Locality: Albatross
Condition: Dry

Genus *Hyalascus*

Hyalascus attenuatus Okada, 1932

UMUTZ-PorfH-32
Locality: Albatross coll. St. 4790
Label information: "Sci Coll Mus. *Hyalascus* [sic] *attenuatus* n. sp. Albatross Coll. Station 4790"
Condition: Wet
Remarks: A fragment of **holotype**. Holotype の主要部分 (USNM 22044) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932).

Hyalascus sagamiensis Ijima, 1896

UMUTZ-PorfH-174 (Pl. 12, fig. 4)
Label information: "Sp. 196 *Asconema sagamiense*, Ij." [赤ラベル], "Sp. 196. Samples

from a sp. belonging to Mr. Owston. 500 mm high. [海綿のスケッチあり]”, “a piece from the lower part”, “Portion of the oscular opening. The surface marked with black dot is the demal side.”, “The lower surf. is the...[illegible]”

Condition: Wet

Remarks: Three fragments of **holotype**. Holotype の主要部分は Amherst College, Massachusetts に収蔵されている (Ijima, 1904, p. 88).

Hyalascus similis Ijima, 1904

UMUTZ-PorfH-59 (Pl. 12, fig. 3)

Label information: “Sample from *Hyalascus similis* Ij. O.C. 7803...[illegible] 304. Contrib. IV”

Condition: Wet

Remarks: **Holotype** (Ijima, 1904, p. 96: text-figures. 3-5).

Genus *Rossella*

? *Rossella* sp.

UMUTZ-PorfH-89

Locality: Sagami Bay

Date: March 1896

Collector: Kumakichi Aoki

Label information: Small *Lyssacinosa* forms

Condition: Wet

Genus *Scyphidium*

Scyphidium longispinum (Ijima, 1896) ハリナガフクロカイメン

UMUTZ-PorfH-109

Locality: オキノセ外、350-400 ヒロ [Okinose soto, 350-400 hiro]

Date: 明治 35 年 2 月 [February 1902]

Collector: Kumakichi Aoki

Label information: *Rossella*? *Shaurocalyptus*?

Condition: Wet

Scyphidium namiyei (Ijima, 1898)

UMUTZ-PorfH-798 (Pl. 13, fig. 2)

Locality: 沖ノ瀬外、330-340 尋 [Okinose soto, 330-340 hiro]

Date: 明治 28 年 5 月 [May 1895]

Collector: Kumakichi Aoki

Label information: “362...[illegible] 外 三...[illegible] 三四十...[illegible]

Crateromorpha namiyei Ij”, “Sp. 362. *Scyphidium namiyei* Ijima Okinose outside, 330-340 hiro, 明治 28 年 5 月 青木熊吉採集 [TYPE]”

Condition: Dry

Remarks: **Syntype** (Ijima, 1904: Pl. VI, fig. 9a, b).

Scyphidium tuberculatus (Okada, 1932)

UMUTZ-PorfH-33

Locality: Albatross coll. St. 4769 (ペーリング海)

Label information: *Aulosaccus tuberculatus*

Condition: Wet

UMUTZ-PorfH-43

Locality: Albatross coll. St. 4769

Label information: “Sci Coll Mus. Aulosaccus tuberculatus n. subsp [“Okada”を消して”supsp”に修正] Albatross Coll. Station 4769.”

Condition: Wet

Remarks: A fragment of syntype. “cotype” (= syntype) の主要部分 (USNM 22122) は National Museum of Natural History, Smithsonian Institution に収蔵されている (Okada, 1932)。

? *Scyphidium* spp.

UMUTZ-PorfH-813

No data

Condition: Dry

UMUTZ-PorfH-814

No data

Condition: Dry

Genus *Vitrollula*

Vitrollula fertilis Ijima, 1898

UMUTZ-PorfH-39-1 (Pl. 13, fig. 1)

Locality: Off Inatori

Date: 23 July 1894

Collector: Isao Ijima and Kumakichi Aoki

Label information: “*Vitrollula fertile* Ij. Sp. 231. Stat. 9, off Inatori, 23/7/94, (Sublimate), Ijima.”

Condition: Wet

Remarks: Syntype. Ijima (1904: Pl. III, figs. 2, 13-19).

UMUTZ-PorfH-39-2 (Pl. 13, fig. 1)

Locality: Okinose Uchibeta

Date: 1895

Collector: Kumakichi Aoki

Label information: “*Vitrollula fertile* Ij. Sp. 433. Okinose uchibeta Nov. 1895, K.”

Condition: Wet

Remarks: Syntype

Fossil taxa (化石標本)

Family Ventriculitidae
Genus *Coscinopora*
Coscinopora infundibuliformis

UMUTZ-PorfH-143c
Condition: Wet
Remarks: Fossil

Genus *Eudictyon*
Eudictyon diagonale

UMUTZ-PorfH-143b
Condition: Wet
Remarks: Fossil

Eudictyon striatum

UMUTZ-PorfH-143d
Data illegible
Condition: Wet
Remarks: Fossil

Genus *Guettardia*
Guettardia stellata

UMUTZ-PorfH-140
Collector: Schrammen
Condition: Wet
Remarks: Fossil

Guettardia stuempeli

UMUTZ-PorfH-145
Data illegible
Condition: Wet
Remarks: Fossil

Genus *Polyblastidium*
Polyblastidium luscuvianus

UMUTZ-PorfH-143a
Data illegible
Condition: Wet
Remarks: Fossil

Genus *Sporadoscinia*
Sporadoscinia micrommata

UMUTZ-PorfH-142a
Data illegible
Condition: Wet
Remarks: Fossil

UMUTZ-PorfH-803
Label information: *Sporadosinia micronusata*... [illegible]
Remarks: Fossil

Sporadoscinia venosa

UMUTZ-PorfH-142b
Data illegible
Condition: Wet
Remarks: Fossil

Genus *Veutriculites*
Veutriculites striatus

UMUTZ-PorfH-198
Label information: *Veutriculites striatus* Smith
Condition: Wet
Remarks: Fossil

Family Coeloptychidae
Genus *Coeloptychium*
Coeloptychium cleimuns

UMUTZ-PorfH-144
Data illegible
Condition: Wet
Remarks: Fossil

Family Callodictyonidae
Genus *Becksia*
Becksia augustae

UMUTZ-PorfH-143f
Data illegible
Condition: Wet
Remarks: Fossil

Genus *Plocoscyphia*
Plocoscyphia ainosa

UMUTZ-PorfH-143e
Data illegible
Condition: Wet
Remarks: Fossil

Family Aphrocallistidae
Aphrocallistes alveolistes

UMUTZ-PorfH-147
Data illegible
Condition: Wet
Remarks: Fossil

Family Craticularidae
Genus *Leptophragma*
Leptophragma nurihisone

UMUTZ-PorfH-141b
Data illegible
Condition: Wet
Remarks: Fossil

Leptophragma pusilla

UMUTZ-PorfH-141c
Condition: Wet
Remarks: Fossil

Leptophragma tenue

UMUTZ-PorfH-141a
Data illegible
Condition: Wet
Remarks: Fossil

Genus *Pleurostoma*

Pleurostoma vacilita

UMUTZ-PorfH-141d
Data illegible
Condition: Wet
Remarks: Fossil

Family gen. et sp. indet.

UMUTZ-PorfH-136
Condition: Wet
Remarks: Fossil

UMUTZ-PorfH-137
Condition: Wet
Remarks: Fossil

UMUTZ-PorfH-138
Condition: Wet
Remarks: Fossil

UMUTZ-PorfH-139
Condition: Wet (3 本)
Remarks: Fossil

UMUTZ-PorfH-801
Label information: Illegible
Remarks: Fossil

UMUTZ-PorfH-802
Label information: *Lelasiothon capitatum*...[illegible]
Remarks: Fossil

UMUTZ-PorfH-804
Label information: *Dorydenina dikatoma*...[illegible]
Condition: 管ピン
Remarks: Fossil

UMUTZ-PorfH-806
Remarks: Fossil

UMUTZ-PorfH-146
Condition: Wet
Remarks: Fossil

引用文献

- Hooper, J. N. A. and R. M. W. Van Soest (eds.), 2002. Systema Porifera. A guide to the classification of sponges. 1, pp. 1-1101 + vlviii. 2, pp. 1103-1708. Kluwer Academic / Plenum Pub., New York.
- Ijima, I., 1894. Notice of new Hexactinellida from Sagami Bay. I. Zool. Anz., 17: 365-369.
- Ijima, I., 1895. On two new Hexactinellida from Sagami Bay. Zool. Mag., 7: 93-96.
- Ijima, I., 1896. Notice of new Hexactinellida from Sagami Bay. Zool. Anz., 19: 249-254.
- Ijima, I., 1897. Revision of hexactinellids with discotasters, with descriptions of five new species. Annot. Zool. Japon., 1: 43-59.
- Ijima, I., 1898. The genera and species of Rossellidae. Annot. Zool. Japon., 2: 41-55.
- Ijima, I., 1901. Studies on the Hexactinellida Contribution I. (Euplectellidae). J. Coll. Imp. Univ. Tokyo, 15 (Part I): 1-299, pls. 14.
- Ijima, I., 1902a. Note on *Walteria leuckalti* Ij. Annot. Zool. Japon., 4: 119-122.
- Ijima, I., 1902b. Studies on the Hexactinellida Contribution II. (The genera *Corbitella* and *Heterotella*). J. Coll. Imp. Univ. Tokyo, 17 (Article 9): 1-34, pl. 1.
- Ijima, I. 1902c. Ueber die von mir in der Sagami-See gesammelten Hexactinelliden. Verhandlungen des V. Internationalen Zoologen-Congresses zu Berlin, 12-16 August 1901: 689-692.
- Ijima, I., 1903. Studies on the Hexactinellida Contribution III. *Placosoma*, a new Euplectellid; Leucopsacidae and Caulophacidae. J. Coll. Imp. Univ. Tokyo, 18 (Article 1): 1-124, pls. 8.
- Ijima, I., 1904. Studies on the Hexactinellida Contribution IV. Rossellidae. J. Coll. Imp. Univ. Tokyo, 19 (Article 7): 1-307, pls. 23.
- Ijima, I., 1916. Notes on *Aphrocallistes beatrix* Gray, particularly with reference to the form occurring in East Asiatic seas. Annot. Zool. Japon., 9: 173-183.
- Ijima, I., 1927. The Hexactinellida of the Siboga Expedition. Siboga-Expeditie, 6: 1-383, pls. 26.
- Ijima, I. and Y. Okada. 1938. Studies on the Hexactinellida Contribution V. Pheronemtidae and Hyalonematidae. J. Fac. Sci. Tokyo Imp. Univ., sec. 4, Zool., 4 (4): 413-469, pls. 10-19.
- International Commission on Zoological Nomenclature (ICZN). 1999. International Code of Zoological Nomenclature. Fourth Edition. xix + 306 pp. International Trust for Zoological Nomenclature, London.
- Okada, Y. 1925. On an interesting hexactinellid, *Calypatorete ijimai* nov. gen. et nov. sp. Annot. Zool. Japon., 10: 285-298, pl. 1.
- Okada, 1932. Report on the hexactinellid sponges collected by the United States fisheries steamer "Albatross" in the northwestern Pacific during the summer of 1906. Proc. U.S. Nat. Mus., 81 (Art. 12): 1-118, pls. 1-6.
- Reiswig, H. M., 2002. Family Farreidae Gray, 1872. In Hooper, J. N. A. and R. M. W. Van Soest (eds.), 2002. Systema Porifera. A guide to the classification of sponges. 2, pp. 1332-1340. Kluwer Academic / Plenum Pub., New York.
- Reiswig, H. M. and B. Wheeler, 2002. Family Euretidae Zittel, 1887. In Hooper, J. N. A. and R. M. W. Van Soest (eds.), 2002. Systema Porifera: A guide to the classification of sponges. 2, pp. 1301-1331. Kluwer Academic/Plenum Pub., New York.
- Tabachnik, K.R. 2002. Family Rossellidae Schulze, 1885. In Hooper, J. N. A. and R. M. W. Van Soest (eds.), 2002. Systema Porifera: A guide to the classification of sponges. 2, pp. 1441-1505. Kluwer Academic/Plenum Pub., New York.
- Tabachnik, K.R. and Menshenina, L. L. 2002. Pheronematidae Gray, 1870. In Hooper, J. N. A. and R. M. W. Van Soest (eds.), 2002. Systema Porifera: A guide to the classification of sponges. 2, pp. 1267-1280. Kluwer Academic/Plenum Pub., New York.
- Topsent, E., 1929. Éponges des Côtes du Japon. Collection du Musée Océanographique de Monaco. Ann. Inst. Océanogr., 6: 297-319, pls. 1-3.
- Van Soest, R.W.M, Boury-Esnault, N., Hooper, J.N.A., Rützler, K., de Voogd, N.J., Alvarez, B., Hajdu, E., Pisera, A.B., Vacelet, J., Manconi, R., Schoenberg, C., Janussen, D., Tabachnick, K.R., and Klautau, M. (2008). World Porifera database. Available online at <http://www.marinespecies.org/porifera>.

参考資料. 飯島魁と岡田弥一郎が発表した六放海綿に関する論文および記載した種 (亜種)
の一覧

**Appendix. A list of papers on hexactinellid taxonomy published by Isao Ijima and
Yaichiro Okada and taxa mentioned in those papers.**

飯島、岡田が発表した論文を年代順に並べ、各論文で言及された種 (亜種) のページと
図を示した。アンダーラインで表示された種 (亜種) はその文献が原記載となるものであ
る。

Underlined are original descriptions of new taxa proposed in each paper.

1) Ijima, I., 1894. Notice of new Hexactinellida from Sagami Bay. I. Zool. Anz., 17: 365-369.

Euplectella imperialis: pp. 365-366.

Hyalonema reflexum: pp. 366-367.

Hyalonema owstoni: pp. 367-368.

Hyalonema clathratum: pp. 368-369.

Hyalonema pellucidum: p. 369.

2) Ijima, I., 1895. On two new Hexactinellida from Sagami Bay. Zool. Mag., 7: 93-96.

Euplectella marshalli: pp. 93-95.

Hyalonema ovatum: pp. 95-96.

3) Ijima, I., 1896. Notice of new Hexactinellida from Sagami Bay. Zool. Anz., 19: 249-254.

Semperella stomata: p. 249.

Regadrella okinoseana: p. 250.

Chaunoplectella cavernosa: pp. 250-251.

Walteria leuckarti: p. 251.

Hyalascus sagamiensis: pp. 251-252.

Aulosaccus schulzei: pp. 252-253.

Rossella longispina: pp. 253-254.

**4) Ijima, I., 1897. Revision of hexactinellids with discotasters, with descriptions of five new
species. Annot. Zool. Japon., 1: 43-59.**

Acanthascus cactus Schulze: pp. 48-49.

Rhabdocalyptus mollis Schulze: pp. 50-51.

Rhabdocalyptus capillatus: pp. 51-52.

Rhabdocalyptus victor: p. 52.

Staurocalyptus dowlingi (Lambe): pp. 53-55.

Staurocalyptus roeperi (Schulze): pp. 55-56.

Staurocalyptus heteractinus: pp. 56-57.

Staurocalyptus glaber: pp. 57-58.

Staurocalyptus pleorhaphides: pp. 58-59.

5) Ijima, I., 1898. The genera and species of Rossellidae. Annot. Zool. Japon., 2: 41-55.

Leucopsacus orthodocus: p. 42.

Leucopsacus scoliodocus: p. 43.

Chaunoplectella cavernosa Ijima: p. 43.

Placopleguma solutum Schulze: p. 43.

Aulocalyx irregularis Schulze: p. 43.

Euryplegma auriculare Schulze: p. 44.

Caulocalyx tener Schulze: p. 44.
Lanuginella pupa Schmidt: pp. 44-45.
Lophocalyx philippiensis (Gray): p. 45.
Melonympha velata (Thomson): p. 45.
Bathydorus fimbriatus Schulze: p. 46.
Bathydorus stellatus Schulze: p. 46.
Bathydorus spinosus Schulze: p. 46.
Bathydorus baculifer Schulze: p. 47.
Bathydorus laevis Schulze: p. 47.
Vitrollula fertile: p. 47.
Vitrollula namiyei: p.48.
Crateromorpha meyeri (Gray): pp. 48-49.
Crateromorpha meyeri var. *tuberosa*: p. 49.
Crateromorpha meyeri var. *rugosa*: p. 49.
Crateromorpha pachyactina: p. 49.
Crateromorpha corrugata: p. 49.
Crateromorpha thierfelderi Schulze: p. 49.
Crateromorpha tumida Schulze: p. 49.
Aulochone cylindrica Schulze: p. 50.
Aulochone lilium Schulze: p. 50.
Hyalascus sagamiensis Ijima: p. 50.
Hyalascus giganteus: pp. 50-51.
Rossella antarctica Carter: p. 51
Rossella longispina Ijima: p. 51.
Rossella dubia (Schulze): p. 51.
Aulosaccus schulzei Ijima: p. 51.
Aulosaccus mitsukurii: p. 52.
Staurocalyptus dowlingi (Lambe): p. 53.
Staurocalyptus roeperi (Schulze): p. 53.
Staurocalyptus glaber Ijima: p. 53.
Staurocalyptus microchetus: p. 53.
Staurocalyptus heteractinus Ijima: p. 54.
Staurocalyptus pleorhaphides Ijima: p. 54.
Rhabdocalyptus dawsoni (Lambe): p.54.
Rhabdocalyptus victor Ijima: p. 54.
Rhabdocalyptus mollis Schulze: p. 54.
Rhabdocalyptus capillatus Ijima: p. 54.
Acanthascus cactus Schulze: p. 55.
Acanthascus alani: p. 55.

6) Ijima, I., 1901. Studies on the Hexactinellida Contribution I. (Euplectellidae). J. Coll. Imp. Univ. Tokyo, 15 (Part I): 1-299, pls. 14.

Euplectella imperialis Ijima: pp. 59-85, pls. 1, 2.
Euplectella marshalli Ijima: pp. 86-201, pls. 3-5.
Euplectella oweni Herklots and Marshall: pp. 202-216, pl. 6.
Euplectella curvistellata: pp. 217-219.
Regadrella okinoseana Ijima: pp. 223-251, pls. 7, 8.
Regadrella komeyamai: pp. 252-264, pls. 9, 10.
Regadrella phoenix Schmidt: pp. 265-277, pls. 10, 11.
Walteria leuckarti: pp. 279-293, pls. 12, 13.

7) Ijima, I., 1902a. Note on *Walteria leuckalti* Ij. Annot. Zool. Japon., 4: 119-122.
Walteria leuckalti Ijima: pp.119-122.

8) Ijima, I., 1902b. Studies on the Hexactinellida Contribution II. (The genera *Corbitella* and *Heterotella*) J. Coll. Imp. Univ. Tokyo, 17 (Article 9): 1-34, pl. 1.

Corbitewlla speciosa (Quoy et Gaimard): pp. 2-10, pl. figs. 1-12.

Corbitewlla elegans (Marshall): pp. 11-16, pl. figs. 13-15.

Corbitewlla pilchra (Schulze): pp. 16-18.

Heterotella corbicula (Bowerbank): pp. 18-29, pl. figs. 16-23.

9) Ijima, I., 1902c. Ueber die von mir in der Sagami-See gesammelten Hexactinelliden. Verhandlungen des V. Internationalen Zoologen-Congresses zu Berlin, 12-16 August 1901: 689-692.

Hyalonema reflexum Ijima, 1894: 692

この文献は未見であり、Tabachnick and Menshenina (2002)からの引用である。

10) Ijima, I., 1903. Studies on the Hexactinellida Contribution III. *Placosoma*, a new Euplectellid; Leucopsacidae and Caulophacidae. J. Coll. Imp. Univ. Tokyo, 18 (Article 1): 1-124, pls. 8.

Placosoma paradictyum: pp. 2-19, pls. 1, 2.

Leucopsacus orthodocus Ijima: pp. 34-46, pl. 3, figs. 14-26.

Leucopsacus scolidocus Ijima: pp. 46-52, pl. 3, figs. 27-37.

Chaunoplectella cavernosa Ijima: pp. 53-71, pls. 4, 5, figs. 8-13.

Chaunoplectella spinifera: pp. 71-77, Pl 5, figs. 14-17, pl.6, fig. 1-8.

Caulophacus lotifolium: pp. 87-96, pl. 7.

Sympagella anomala: pp. 97-108, pl. 8.

Lanuginella pupa Schmidt: pl. 5, figs. 1-7.

Staurocalyptus japonicus: pl. 6, figs. 9, 10. [Nomen nudum. 図と名前のみで記載文なし]。

Staurocalyptus tubulosus: pl. 6, figs. 11, 17. [Nomen nudum. 図と名前のみで記載文なし]。

11) Ijima, I., 1904. Studies on the Hexactinellida Contribution IV. Rossellidae. J. Coll. Imp. Univ. Tokyo, 19 (Article 7): 1-307, pls. 23.

Lanuginella pupa Schmidt: pp. 3-16, pl. 1; Ijima (1904) pl. 5, figs. 1-7.

Scyphidium longispina (Ijima): pp. 22-31, pl. 2.

Scyphidium namiyei (Ijima): pp. 32-37, pl. 6, figs. 9-17.

Vitrollula fertilis Ijima: pp. 38-55, pl. 3.

Crateromorpha meyeri Gray: pp. 57-66, pl. 4, figs. 1-8, 12.

Crateromorpha meyeri tuberosa Ijima: pp. 88-71, pl. 4, fig. 9, pl. 5, figs. 12, 13, textfig. 1.

Crateromorpha meyeri rugosa Ijima: pp. 71-74, pl. 4, figs. 10, 11, pl. 5, figs. 14, 15.

Crateromorpha pachyactina Ijima: pp. 74-78 pl. 4, fig. 13.

Crateromorpha corrugta Ijima: pp. 78-86, pl. 6, figs. 1-8, textfig. 2.

Hyalascus sagamiensis Ijima: pp. 88-96, pl. 7, pl. 8, figs. 1, 2.

Hyalascus similis: pp. 96-100, Textfigs. 3-5.

Hyalascus giganteus Ijima: pp. 100-107, pl. 8, figs. 3-16.

Aulosaccus schulzei Ijima: pp. 110-117, pl. 8, figs. 26-28, pl. 9

Aulosaccus mitsukurii Ijima: pp. 117-127, pl. 10, figs. 1-15.

Acanthascus cactus Schulze: pp. 140-158, pl. 11, figs. 16-22, pl. 12, textfig. 6.

Acanthascus alani Ijima: pp. 158-162, pl. 10, figs. 16-23.

Staurocalyptus roeperi Schulze: pp. 168-172, pl. 14, figs. 26-32.

Staurocalyptus dowlingi (Lambe): pp. 172-175.

Staurocalyptus tubulosa: pp. 175-180; pl. 6, figs. 11-17. Ijima (1903) が初出だが、本文が原記載となる。

Staurocalyptus affinis: pp. 180-191, pl. 13, and pl. 14, figs. 14, 16, 17, 22-25.

Staurocalyptus entacanthus: pp. 191-202, pl. 14, figs. 15, 18.

Staurocalyptus entacanthus?: pl. 14, figs. 19-21. = *Staurocalyptus japonicus* Ijima: Ijima (1903), pl. 6, figs. 9, 10:

Staurocalyptus microchetus Ijima: pp. 202-206, pl. 8, figs. 17-25.

Staurocalyptus glaber Ijima: pp. 207-218, pl. 15, textfig. 7.

Staurocalyptus heteractinus Ijima: pp. 218-222, pl. 11, figs. 1-10.

Staurocalyptus pleorhaphides Ijima: pp. 222-230, pl. 16.

Staurocalyptus sp. α : pp. 231-233, Ijima (1903), pl. 3, figs. 1-6.

Staurocalyptus sp. β : pp. 233-235, Ijima (1903), pl. 3, figs. 7-13.

Staurocalyptus sp. γ : pp. 235-236, pl. 11, figs. 11-15.

Rhabdocalyptus victor Ijima: pp. 238-253, pls. 17-19, textfig. 8.

Rhabdocalyptus mollis Schulze: pp. 253-268, pl. 20, textfigs. 9, 10.

Rhabdocalyptus unguiculatus: pp. 268-276, pl. 21.

Rhabdocalyptus capillatus Ijima: pp. 276-291, pls. 22, 23, textfig. 11.

12) Ijima, I., 1916. Notes on *Aphrocallistes beatrix* Gray, particularly with reference to the form occurring in East Asiatic seas. Annot. Zool. Japon., 9: 173-183.

Aphrocallistes beatrix orientalis: pp. 173-182.

13) Ijima, I., 1927. The Hexactinellida of the Siboga Expedition. Siboga-Expeditie, 6: 1-383, pls. 26.

Pheronema giganteum Schulze: pp. 10-17, pl. 5, figs. 1-7, textfig. 1.

Pheronema weberi: pp. 17-21, pl. 4, figs. 10-12, pl. 5, figs. 14-21.

Pheronema echinatum: pp. 21-25, pl. 4, fig. 9, pl. 5, figs. 8-13.

Sericolophus reflexus (Ijima): pp. 26-28.

Semperella similis: pp. 28-36, pl. 6, figs. 1-10, textfig. 2.

Monorhaphis chuni Schulze: pp. 37-41, pl. 6, figs. 11, 12, textfig. 3.

Chalaronema sibogae: pp. 43-49, pl. 2, figs. 1-10.

Hyalonema (Euhyalonema) intermedium: pp. 55-58, pl. 1, figs. 1, 2, textfig. 4.

Hyalonema (Euhyalonema) keianum: pp. 58-61, pl. 1, figs. 3, 4, textfig. 5.

Hyalonema (Pteronema) topsenti: pp. 61-68, pl. 1, figs. 5, 6, pl. 2, fig. 11, pl. 3, figs. 1-10.

Hyalonema (Coscionema) kirkpatricki: pp. 68-72, pl. 2, figs. 12, 13, textfig. 6.

Hyalonema (Cyliconema) apertum maehrenthali Schulze: pp. 72-88, pl. 2, fig. 15, pl. 4, figs. 1-8, textfigs. 7-15.

Hyalonema (Cyliconema) timorensis: pp. 88-90, pl. 2, fig. 16, textfig. 16.

Hyalonema (Cyliconema) keiense: pp. 90-93, textfig. 17.

Hyalonema (Paradisconema) vosmaeri: pp. 93-96, pl. 3, figs. 11, 12, textfig. 18.

Hyalonema (Leptonema) flagelliferum: pp. 97-99, pl. 2, fig. 14, textfig. 19.

Hyalonema (Thamnonema) thamnophorum: pp. 99-102, pl. 2, Fig. 17, textfig. 20.

Hyalonema (Corynonema) rotundum: pp. 102-104, pl. 2, fig. 18, textfig. 21.

Farrea occa erecta: pp. 132-137, pl. 10, figs. 1-12, ? figs. 13-16.

Farrea occa clavigera (Schulze): pp. 137-140, pl. 11, figs. 1-11.

Farrea occa subclavigera: pp. 140-142, pl. 11, figs. 12-21.

Farrea occa mammillata: pp. 142-145, pl. 11, figs. 22-32.

Farrea occa cuspidata: pp. 145-147, pl. 12, figs. 1-8.

Farrea occa ouwensi: pp. 148-151, pl. 12, figs. 9-21.

Farrea hanitschi: pp. 151-154, pl. 13, figs. 1-9, textfig. 22.
Farrea nodulosa: pp. 154-156, pl. 12, figs. 22-30.
Farrea spirifera: pp. 156-159, pl. 13, figs. 10-15.
Farrea lendenfeldi: pp. 159-161, pl. 13, figs. 16-27.
Lonchiphora inversa: p. 162.
Eurete marshalli Schulze: pp. 167-168, pl. 14, figs. 21-24.
Eurete trachydocus: pp. 168-169, pl. 14, figs. 25-29.
Eurete schmidti treubi: pp. 170-172, pl. 15, figs. 1-10.
Eurete schmidti kampeni: pp. 173-176, pl. 14, figs. 30-35.
Eurete freelandi: pp. 176-177, pl. 15, figs. 14-24.
Pararete farreopsis farreopsis (Carter): pp. 178-182, pl. 16, figs. 1-6.
Pararete farreopsis fragiferum: pp. 182-183, pl. 16, figs. 13-18.
Pararete farreopsis subglossum: pp. 183-185, pl. 16, figs. 19-21.
Pararete farreopsis jakosalemi: pp. 185-187, pl. 17, figs. 1-7.
Pararete baliense: pp. 187-189, pl. 16, figs. 7-12.
Pararete kangeanganum: pp. 189-190, pl. 15, figs. 25-31.
Pararete freeri: pp. 190-193, pl. 17, figs. 8-23.
Pararete semperi: pp. 193-195, pl. 16, figs. 22-29.
Pleurochorium cornutum: pp. 197-203, pl. 17, figs. 24-34, textfig. 23.
Priphragella parva: pp. 205-208, pl. 14, figs. 1-12.
Priphragella irregularis: pp. 208-210, pl. 14, figs. 13-20.
Lefroyella ceramensis: pp. 210-213, pl. 21, figs. 1-7.
Myliusia callocyathus Gray: pp. 215-217, pl. 24, figs. 13-16.
Myliusia verrucosa: pp. 217-218, pl. 24, figs. 17-19.
Tretodictyum tubulosum Schulze: pp. 221-223, pl. 19, figs. 1-4, textfig. 24.
Tretodictyum schrammeni: pp. 224-228, pl. 19, figs. 15-19, pl. 20, figs. 1-8, textfig. 25.
Tretodictyum pumicosum: pp. 229-231, pl. 19, figs. 8-14.
Hexactinella lata (Schulze): pp. 235-237, pl. 18, figs. 1, 2.
Hexactinella rugosa: pp. 237-239, pl. 18, figs. 7-10, textfig. 26.
Hexactinella vermiculosa: pp. 239-242, pl. 18, figs. 3-6.
Hexactinella lingua: pp. 242-246, pl. 18, figs. 11-17, textfigs. 27, 28.
Hexactinella? spongiosa: pp. 246-248, pl. 19, figs. 5-7.
Sclerothamnopsis schulzei: pp. 249-253, pl. 22, figs. 5-12.
Sclerothamnus clausi Marshall: pp. 253-265, pl. 23, figs. 10-13, textfigs. 29-32.
Psilocalyx wilsoni: pp. 265-268, pl. 23, figs. 1-9.
Anomochone expansa: pp. 269-272, pl. 20, figs. 9-16, textfigs. 33, 34.
Anomochone globosa: pp. 272-274, pl. 19, figs. 20-25.
Rhabdodictyum kurense: pp. 277-280, pl. 24, figs. 1-12.
Tretopleura candelabrum: pp. 280-283, pl. 21, figs. 8-12, pl. 22, figs. 1-4.
Aphrocallistes beatrix Gray: pp. 286-297, pl. 24, figs. 20-30, pl. 25, textfig. 35.
Tretorete incertum: pp. 298-299, pl. 18, figs. 18-21.
Aulocystis zitteli zitteli (Marshall and Meyer): pp. 304-305, pl. 26, fig. 21.
Aulocystis zitteli sibogae: pp. 305-314, pl. 26, figs. 1-16, textfig. 36.
Diapleura maasi: pp. 314-317, pl. 26, figs. 17-20.
Leucopsacas scoliodocus Ijima: pp. 321-323, pl. 9, fig. 19.
Chaunoplectella stelleta: pp. 323-326, pl. 9, figs. 6-9.
Euplectella timorensis: pp. 327-334, pl. 7, figs. 1-7.
Regadrella cylindrica: pp. 335-340, pl. 8, figs. 9-21.
Bolosoma cavum: pp. 340-343, pl. 8, figs. 1-8.
Caulophacus ? sp.: pp. 346-347, pl. 9, fig. 18.

Lophocalyx suluanus: pp. 348-352, pl. 9, figs. 1-5.
Bathydorus pedunculatus: pp. 353-355, pl. 9, figs. 15-17.
Staurocalyptus celebesianus: pp. 355-357, pl. 9, figs. 10-14.

14) Ijima, I. and Y. Okada. 1938. Studies on the Hexactinellida Contribution V. Pheronemtidae and Hyalonematidae. J. Fac. Sci. Tokyo Imp. Univ., sec. 4, Zool., 4 (4): 413-469, pls. 10-19.

Pheronema giganteum Schulze: pp. 414-421, pl. 10, figs. 1-3, pl. 11, figs. 17-31.
Pheronema pepo: pp. 421-426, pl. 11, figs. 1-16.
Pheronema placoideum: pp. 426-432, pl. 12, figs. 1-24.
Sericolophus reflexus (Ijima): pp. 433-441, pl. 10, figs. 4-8, pl. 13, figs. 1, 2, pl. 14, figs. 1-6.
Semperella schulzei (Semper): pp. 441-454, pl. 15, figs. 1-3, pl. 16, figs. 22-32.
Semperella stomata Ijima: pl. 15, figs. 4-6, pl. 16, figs. 1-21.
Hyalonema (Cyliconema) apertum Schulze: pp. 454-457, pl. 17, figs. 1-21, pl. 18, figs. 4-6, pl. 19, figs. 1-9.
Hyalonema (Cyliconema) apertum tuberosus: pp. 457-462, pl. 18, fig. 1.
Hyalonema (Cyliconema) hozawai Okada: pp. 462-464, pl. 17, figs. 3-16, pl. 18, figs. 2, 3, 7-20.

15) Okada, Y. 1925. On an interesting hexactinellid, *Calyptorete ijimai* nov. gen. et nov. sp. Annot. Zool. Japon., 10: 285-298, pl. 1.

Calyptorete ijimai: pp. 285-298, pl. 1, figs. 1-32.

16) Okada, 1932. Report on the hexactinellid sponges collected by the United States fisheries steamer "Albatross" in the northwestern Pacific during the summer of 1906. Proc. U.S. Nat. Mus., 81 (Art. 12): 1-118, pls. 1-6.

Pheronema giganteum Schulze: p. 6.
Pheronema globosum kagoshimensis: pp. 6-8, pl. 1, fig. 4.
Pheronema ijimai: pp. 8-13, pl. 2, fig. 1, textfig. 1.
Pheronema surugensis: pp. 13-15.
Sericolophus reflexus (Ijima): pp. 15-16.
Semperella schulzei Semper: pp. 16-18.
Hyalonema (Cyliconema) apertum Schulze: pp. 19-20.
Hyalonema (Cyliconema) apertum solidum: pp. 21-22, pl. 1, figs. 1 & 2.
Hyalonema (Cyliconema) hozawai: pp. 22-25, PL. 1, figs. 3, 5, textfig. 2.
Hyalonema (Coscinonema) kirkpatricki globosum: pp. 25-26, pl. 2, fig. 3.
Hyalonema (Coscinonema) ovatum: pp. 26-29, pl. 2, fig. 2, textfig. 3.
Hyalonema (Corynonema) owstoni Ijima: pp. 29-30.
Farrea kurilensis: pp. 30-34, pl. 3, fig. 2, textfig. 4.
Farrea watasei: pp. 34-37, pl. 3, fig. 1, textfig. 5.
Farrea sollasii Schulze: pp. 37-38.
Farrea sollasii yakushimensis: pp. 38-39.
Farrea beringiana: pp. 39-42, pl. 3, fig. 5, textfig. 6.
Eurete nipponica: pp. 43-45, pl. 3, fig. 3.
Eurete sacculiformis: pp. 45-47, pl. 3, figs. 6, 7.
Eurete schmidtii Schulze: pp. 47-48.
Eurete irregularis: pp. 48-49, pl. 3, fig. 4.
Eurete farreopsis Carter: pp. 49-50.
Periphragella elisae Marshall: p. 50.
Aphrocallistes beatrix orientalis Ijima: pp. 51-52, pl. 4, fig. 1.
Aphrocallistes intermedia: pp. 52-56.

Aphrocallistes yatsui: pp. 56-58, pl. 4, figs. 2, 3.
Aphrocallistes aleutiana: pp. 58-60.
Caenoplectella spinifera Ijima: pp. 60-61.
Euplectella oweni Kerklots and Marshall: pp. 61-66.
Crateromorpha meyeri rugosa Ijima: pp. 66-68.
Crateromorpha corrugata Ijima: p. 68.
Lamuginella pupa Schmidt: pp. 68-69, pl. 5, fig. 2.
Hyalascus attenuatus: pp. 69-73, pl. 6, fig. 5, textfig. 7.
Aulosaccus fissuratus: pp. 73-77, textfig. 8.
Aulosaccus fissuratus shimushirensis: pp. 77-78.
Aulosaccus albatrossi: pp. 78-82, pl. 5, fig. 3, textfig. 9.
Aulosaccus schulzei Ijima: pp. 82-83
Aulosaccus tuberculatus: pp. 83-85, textfig. 10.
Aulosaccus solaster: pp. 85-88, textfig. 11.
Aulosaccus pinularis: pp. 88-91.
Bathydorus sp. α : pp. 91-92, pl. 6, fig. 2.
Bathydorus sp. β : pp. 92-94.
Acanthascus pachyderma: pp. 94-97, pl. 5, fig. 1, textfig. 12.
Acanthascus cactus Schulze: pp. 98-99.
Staurocalyptus rugocruciatus: pp. 99-102, pl. 6, fig. 4, textfig. 13.
Rhabdocalyptus borealis: pp. 103-108, pl. 6, fig. 3, textfig. 14.
Rhabdocalyptus heteraster: pp. 108-111, pl. 6, fig. 6, textfig. 15.
Rhabdocalyptus australis Topsent: pp. 111-112.
Rhabdocalyptus unguiculatus Ijima: pp. 112-113.
Rhabdocalyptus bidentatus: pp. 113-116, textfig. 16.
Rhabdocalyptus victor Ijima: p. 116.

Summary

The hexactinellid poriferan collection deposited in the Department of Zoology, the University Museum, the University of Tokyo, consists of 315 lots of dry specimens, 470 lots of wet specimens and 28 lots of fossil specimens. The hexactinellid specimens are voucher specimens studied by Isao Ijima and Yaichiro Okada of The Tokyo Imperial University. Most of the hexactinellid specimens were collected from Sagai Bay about 100 years ago but the collection also includes some specimens collected by Siboga's and Albatross's expeditions.

The collection includes following type specimens of the hexactinellid taxa described by I. Ijima and Y. Okada: *Aphrocallistes beatrix orientalis* Ijima 1916 [syntype], *Aulocystis zitteli sibogae* Ijima 1927 [syntype], *Aulosaccus mitsukurii* Ijima 1898 [holotype], *Calyptorete ijimai* Okada 1925 [paralectotype], *Chalaronema sibogae* Ijima 1927 [paratype], *Chaunoplectella cavernosa* Ijima 1896 [holotype], *Chaunoplectella stelleta* Ijima 1927 [holotype], *Crateromorpha meyeri* var. *rugosa* Ijima 1898 [syntype], *Crateromorpha meyeri* var. *tuberosa* Ijima 1898 [syntype], *Euplectella curvistellata* Ijima 1901 [holotype], *Euplectella timorensis* Ijima 1927 [holotype and paratype], *Eurete trachydocus* Ijima 1927 [holotype], *Farrea hanitschi* Ijima 1927 [holotype], *Hexactinella lingua* Ijima 1927 [holotype and paratype], *Hyalascus similis* Ijima 1904 [holotype], *Hyalonema (Coscinonema) kirkpatricki* Ijima 1927 [holotype and paratype], *Hyalonema (Cyliconema) keiense* Ijima 1927 [syntype], *Hyalonema (Cyliconema) timorensis* Ijima 1927 [holotype], *Hyalonema (Euhyalonema) intermedium* Ijima 1927 [holotype], *Hyalonema (Euhyalonema) keianum* Ijima 1927 [holotype and paratype], *Hyalonema (Paradisconema) vosmaeri* Ijima 1927 [holotype], *Hyalonema (Pteronema) topsenti* Ijima 1927 [holotype and paratype], *Hyalonema (Thamnonema) thamnophorum* Ijima 1927 [syntype], *Hyalonema ovatum* Ijima 1895 [syntype?], *Hyalonema owstoni* Ijima 1894 [syntype], *Leucopsacus orthodocus* Ijima 1898 [lectotype], *Lonchiphora inversa* Ijima 1927 [syntype], *Lophocalyx suluanus* Ijima 1927 [holotype and paratype], *Pararete farreopsis fragiferum* Ijima 1927 [holotype and paratype], *Pararete farreopsis subglosum* Ijima 1927 [holotype and paratype], *Pheronema pepo* Ijima and Okada 1938 [holotype], *Pheronema weberi* Ijima 1927 [syntype], *Placosoma paradictyum* Ijima 1903 [holotype], *Regadrella komeyamai* Ijima 1901 [syntype], *Rhabdocalyptus capillatus* Ijima 1897 [syntype], *Rhabdocalyptus unguiculatus* Ijima 1904 [holotype and paratype], *Semperella similis* Ijima 1927 [holotype], *Staurocalyptus affinis* Ijima 1904 [syntype], *Staurocalyptus entacanthus* Ijima 1904 [holotype], *Staurocalyptus glaber* Ijima 1897 [syntype], *Staurocalyptus heteractinus* Ijima 1897 [holotype], *Staurocalyptus pleorhaphides* Ijima 1897 [syntype], *Sympagella anomala* Ijima 1903 [syntype], *Tretopleura candelabrum* Ijima 1927 [holotype and paratype], *Tretorete incertum* Ijima 1927 [syntype], *Vitrollula fertile* Ijima 1898 [syntype], *Vitrollula namiyei* Ijima 1898 [syntype].

In the following taxa, type specimens are deposited in some foreign museums but a fragment of each type exists in our collection: *Acanthascus pachyderma* Okada 1932 [a fragment of holotype], *Aphrocallistes aleutiana* Okada 1932 [a fragment of syntype], *Aphrocallistes intermedia* Okada 1932 [a fragment of syntype], *Aphrocallistes yatsui* Okada 1932 [a fragment of holotype], *Aulosaccus albatrossi* Okada 1932 [a fragment of holotype and paratype], *Aulosaccus fissuratus* Okada 1932 [a fragment of paratype], *Aulosaccus fissuratus shimushirensis* Okada 1932 [a fragment of holotype], *Aulosaccus pinularis* Okada 1932 [a fragment of holotype], *Aulosaccus solaster* Okada 1932 [a fragment of holotype], *Aulosaccus tuberculatus* Okada 1932 [a fragment of syntype], *Eurete irregularis* Okada 1932 [a fragment of syntype], *Eurete nipponica* Okada 1932 [a fragment of

holotype], *Eurete sacculiformis* Okada 1932 [a fragment of syntype], *Farrea kurilensis* Okada 1932 [a fragment of holotype], *Farrea sollasii yakushimensis* Okada 1932 [a fragment of holotype or paratype], *Farrea watasei* Okada 1932 [a fragment of holotype], *Hyalascus attenuatus* Okada 1932 [a fragment of holotype], *Hyalascus sagamiensis* Ijima 1896 [a fragment of holotype], *Hyalonema (Coscinonema) kirkpatricki globosum* Okada 1932 [a fragment of paratype], *Hyalonema (Coscinonema) ovatum* Okada 1932 [a fragment of holotype], *Hyalonema (Cyliconema) apertum solidum* Okada 1932 [a fragment of holotype and paratype], *Hyalonema (Cyliconema) hozawai* Okada 1932 [a fragment of holotype and paratype], *Pheronema globosum kagoshimensis* Okada 1932 [a fragment of holotype], *Pheronema ijimai* Okada 1932 [a fragment of holotype and paratype], *Pheronema surugensis* Okada 1932 [a fragment of holotype], *Rhabdocalyptus bidentatus* Okada 1932 [a fragment of holotype], *Rhabdocalyptus heteraster* Okada 1932 [a fragment of holotype or paratype], *Staurocalyptus rugocruciatum* Okada 1932 [a fragment of holotype].

Type specimens of the following taxa are lost: *Anomochone expansa* Ijima 1927, *Anomochone globosa* Ijima 1927, *Bathydorus pedunculatus* Ijima 1927, *Bolosoma cavum* Ijima 1927, *Chaunoplectella spinifera* Ijima 1903, *Crateromorpha pachyactina* Ijima 1898, *Diapleura maasi* Ijima 1927, *Eurete frelandi* Ijima 1927, *Eurete schmidtii kampeni* Ijima 1927, *Eurete schmidtii treubi* Ijima 1927, *Farrea beringiana* Okada 1932, *Farrea lendenfeldi* Ijima 1927, *Farrea nodulosa* Ijima 1927, *Farrea occa cuspidata* Ijima 1927, *Farrea occa mammillata* Ijima 1927, *Farrea occa subclavigera* Ijima 1927, *Farrea spirifera* Ijima 1927, *Hexactinella rugosa* Ijima 1927, *Hexactinella vermiculosa* Ijima 1927, *Hexactinella? spongiosa* Ijima 1927, *Hyalonema (Corynonema) rotundum* Ijima 1927, *Hyalonema (Leptonema) flagelliferum* Ijima 1927, *Hyalonema pellucidum* Ijima 1894, *Leucopsacus scoliodocus* Ijima 1898, *Myliusia verrucosa* Ijima 1927, *Pararete baliense* Ijima 1927, *Pararete farreopsis jakosalemi* Ijima 1927, *Pararete freeri* Ijima 1927, *Pararete kangeanganum* Ijima 1927, *Pararete semperi* Ijima 1927, *Pheronema placoideum* Ijima and Okada, 1938, *Pleurochorium cornutum* Ijima 1927, *Priphragella irregularis* Ijima 1927, *Priphragella parva* Ijima 1927, *Psilocalyx wilsoni* Ijima 1927, *Regadrella cylindrica* Ijima 1927, *Rhabdodictyum kurense* Ijima 1927, *Rossella longispina* Ijima 1896, *Sclerothamnopsis schulzei* Ijima 1927, *Staurocalyptus celebesianus* Ijima 1927, *Staurocalyptus microchetus* Ijima 1898, *Staurocalyptus tubulosa* Ijima 1904, *Tretodictyum pumicosum* Ijima 1927, *Tretodictyum schrammeni* Ijima 1927.

The following names found on some labels of the collection are Ijima's manuscript names: *Acanthascus tubus*, *Farrea awokii*, *Farrea clavata*, *Hyalonema claviferum* non *Hyalonema (Corynonema) clavigerum* (Schulze, 1886), *Hexactinella polystomata*, *Regadrella tubus*, *Rhabdocalyptus maximus*, *Rhabdocalyptus spinifer* non *Chaunoplectella spinifera* Ijima, 1903, *Staurocalyptus japonicus* non *Staurocalyptus japonicus* in Ijima (1903), *Staurocalyptu crassifibratus*. Some of the specimens with such manuscript names may be candidates for new species.

Hyalonema ovatum Ijima, 1895 and *Hyalonema (Coscinonema) ovatum* Okada, 1932 are primary homonym. Here we propose a new name, *Hyalonema (Coscinonema) okadai* Ogawa and Ueshima (**nom. nov.**), as a replacement name for *Hyalonema (Coscinonema) ovatum* Okada, 1932.

Plate 1

Fig. 1. *Chalaronema sibogae* Ijima, 1927, paratype (UMUTZ-PorfH-266). **a)** label; **b)** type specimen.

Fig. 2. *Hyalonema (Corynonema) owstoni* (Ijima, 1894), probable syntype (UMUTZ-PorfH-584). **a)** label; **b,c)** type specimen.

Fig. 3. *Hyalonema (Euhyalonema) intermedium* Ijima, 1927, holotype (UMUTZ-PorfH-236). **a, b)** labels; **c)** type specimen.

Fig. 4. *Hyalonema (Coscionema) kirkpatricki* Ijima, 1927, holotype (UMUTZ-PorfH-262). **a, b)** labels; **c)** type specimen.



Plate 2

Fig. 1. *Hyalonema (Cyliconema) keiense* Ijima, 1927, probable syntype (UMUTZ-PorfH-249). **a, b** labels; **c**) type specimen.

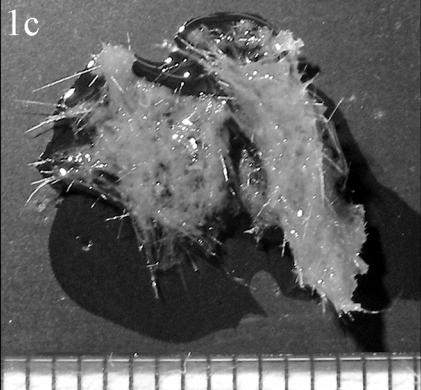
Fig. 2. *Hyalonema (Cyliconema) timorensis* Ijima, 1927, holotype (UMUTZ-PorfH-243). **a, b** labels; **c**) type specimen.

Fig. 3. *Hyalonema (Euhyalonema) keianum* Ijima, 1927, holotype (UMUTZ-PorfH-260). **a, b** labels; **c**) type specimen.

Fig. 4. *Hyalonema (Paradisconema) vosmaeri* Ijima, 1927, holotype (UMUTZ-PorfH-261). **a, b** labels; **c**) type specimen.

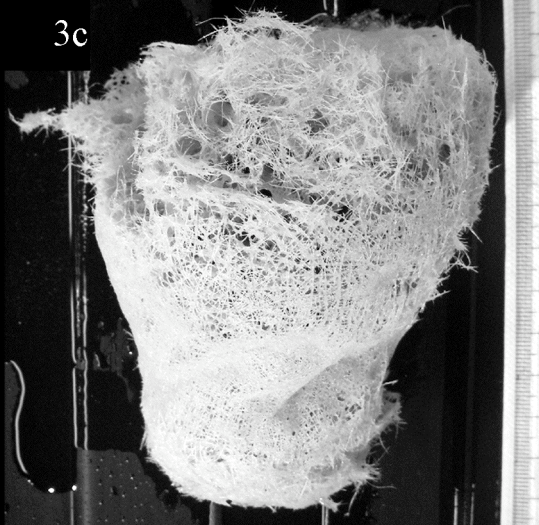
1a Prof. I. Ijima, Tokyo.
Hyal. ovatum keiense J.
Siboga Stat. 253.

1b *Hyal. ovatum keiense*.
Small fragments
only.



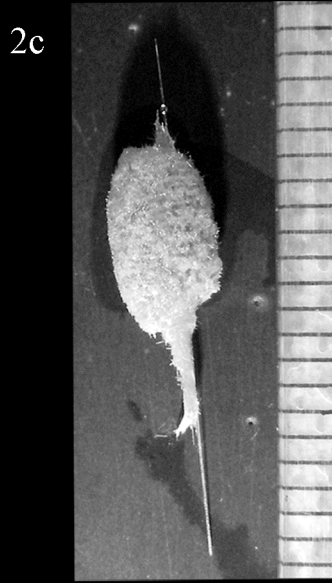
3a Prof. I. Ijima, Tokyo.
Hyalonema sieboldi
keianum J.
Spec. A.
Siboga Stat. 254.

3b *Hyalonema*
sieboldi keianum
Spec. A. J.
Stat. 254



2a Siboga-Expedition.
Stat. 284.

2b Prof. I. Ijima, Tokyo.
Hyal. ovatum timorensis J.
Stat. 284.



4a Prof. I. Ijima, Tokyo.
Hyalonema vosmaeri J.
Siboga-Stat. 256
(Kei Islands).

4b Siboga Expedition
Stat. 256.



Plate 3

Fig. 1. *Hyalonema (Pteronema) topsenti* Ijima, 1927, holotype (UMUTZ-PorfH-232). **a, b**) labels; **c**) type specimen.

Fig. 2. *Hyalonema (Thamnonemiella) thamnophorum* Ijima, 1927, syntype (UMUTZ-PorfH-255). **a, b**) labels; **c**) type specimen.

Fig. 3. *Pheronema pepo* Ijima & Okada, 1938, holotype (UMUTZ-PorfH-276). **a, b**) labels; **c**) type specimen.

Fig. 4. *Pheronema weberi* Ijima, 1927, syntype (UMUTZ-PorfH-240). **a, b**) labels; **c**) type specimen.

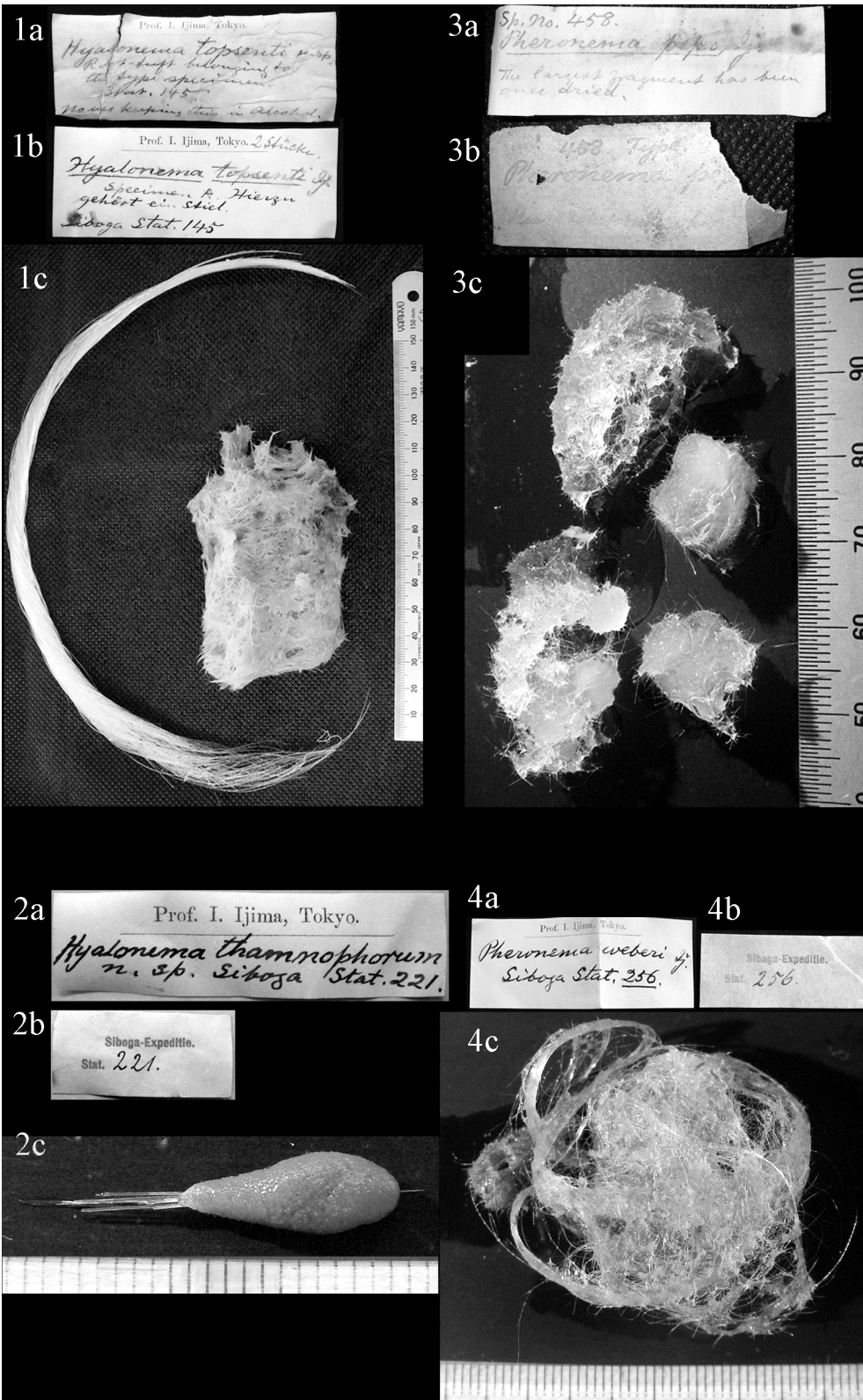


Plate 4

Fig. 1. *Semperella similis* Ijima, 1927, holotype (UMUTZ-PorfH-721). **a**) label; **b**) type specimen, with a protective cover.

Fig. 2. *Tretopleura candelabrum* Ijima, 1927, holotype (UMUTZ-PorfH-530-1). **a, b**) labels; **c**) type specimen (dissected).

Fig. 3. *Aphrocallistes beatrix orientalis* Ijima, 1916, syntype (UMUTZ-PorfH-167). **a, b**) labels; **c**) type specimen.

Fig. 4. *Tretorete incertum* Ijima, 1927, syntype (UMUTZ-PorfH-818). **a**) label; **b**) type specimen.

Prof. I. Ijima, Tokyo.
Semperella similis sp. n.
 Siboga Stat. 122.

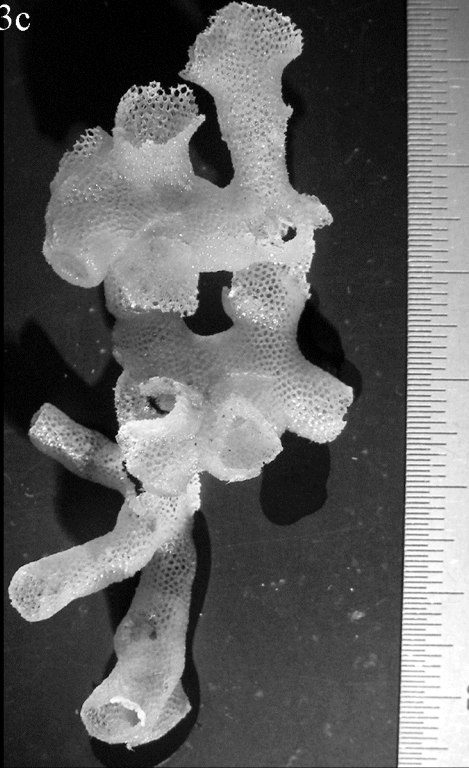
1a



sp. no. 279
 Aphrocalappa
 yellowish in jr. state
 Stat. 111 f. fasciata
 also pls. dupl. Carn.

3b
 Stat. 13 is in
 Doherty!

3c



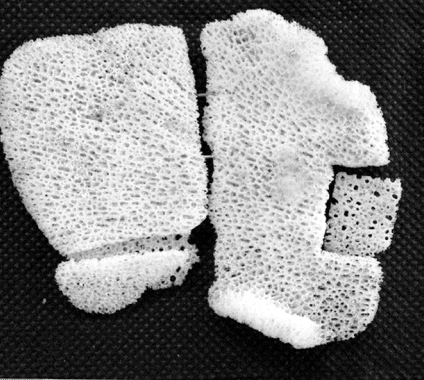
2a

Prof. I. Ijima, Tokyo.
Elasmopleura
candelabrum, n. sp.
 The type specimen n. sp.
 Siboga Stat. 226.

2b

from Stat. 226
 all dead, washed out
 fragments, probably from
 more than one stock
~~Elasmopleura candelabrum~~
Elasmopleura candelabrum sp.

2c



4a

Prof. I. Ijima, Tokyo.

4b

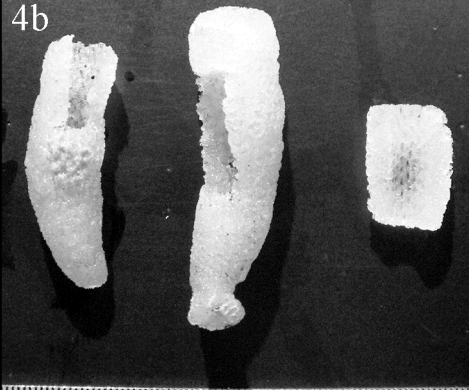


Plate 5

Fig. 1. *Calyptorete ijimai* Okada, 1925, paralectotype (UMUTZ-PorfH-753). **a, b** labels; **c**) type specimen.

Fig. 2. *Calyptorete ijimai* Okada, 1925, paralectotype? (UMUTZ-PorfH-638).

Fig. 3. *Pararete farreopsis fragiferum* Ijima, 1927, holotype (UMUTZ-PorfH-149-1). **a, b**) labels; **c**) type specimen.

Fig. 4. *Pararete farreopsis subglobosum* Ijima, 1927. **a**) label; **b**) holotype (lower; UMUTZ-PorfH-194-1) and paratype (upper; UMUTZ-PorfH-194-2).

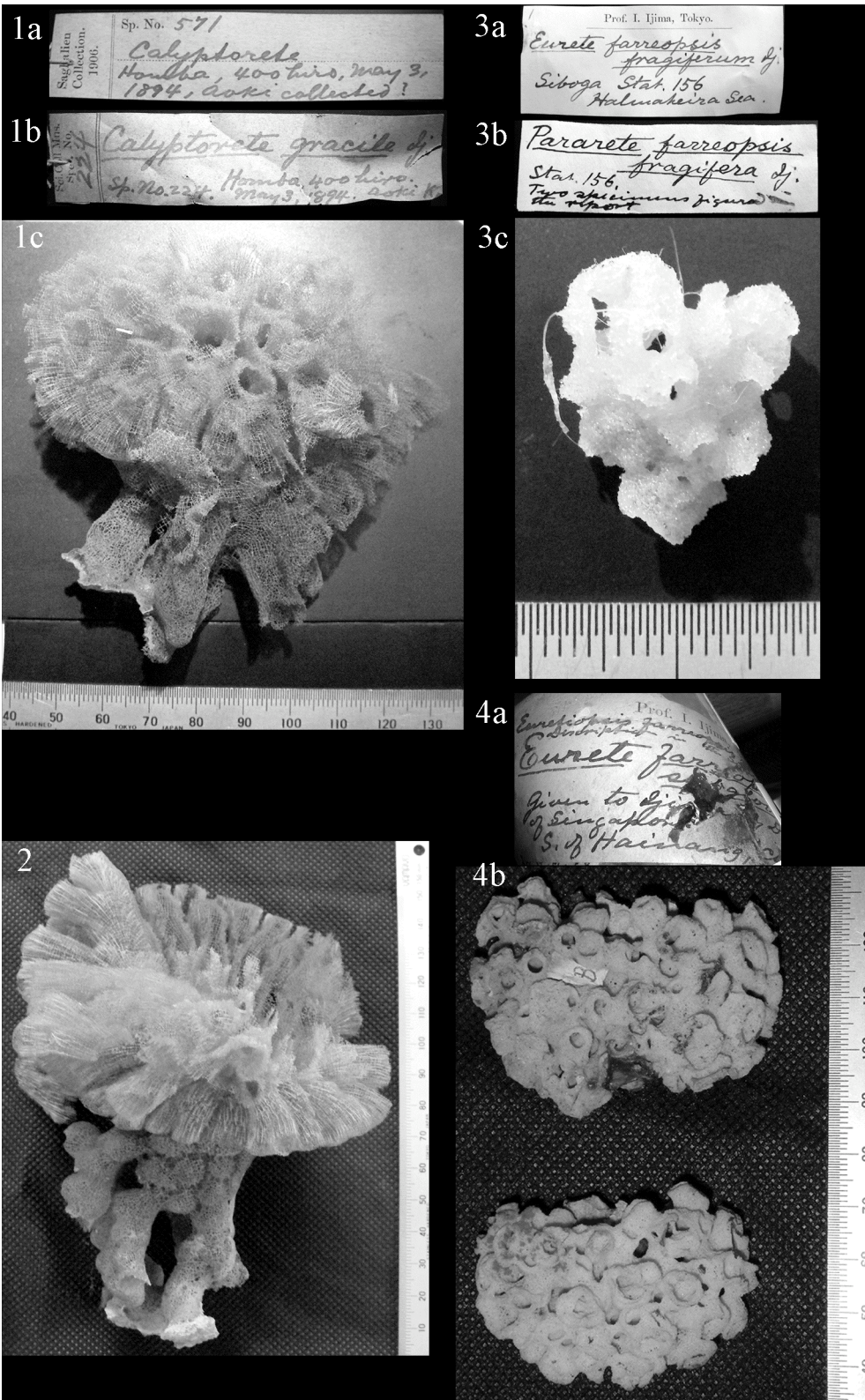


Plate 6

Fig. 1. *Lonchiphora inversa* Ijima, 1927, syntype (UMUTZ-PorfH-92). **a, b, c** labels; **d** type specimen, plates detached.

Fig. 2. *Lonchiphora inversa* Ijima, 1927, syntype (UMUTZ-PorfH-282). **a** label; **b** upper view; **c** oblique view showing two undulate plates.

1a

S.C. Sp. No. 563. Prof. I. Ijima, Tokyo.
Lonchiphora inversa Ij.
 At or near Dōketaba
 180 Hiro. Ij. coll. 11/8/95.

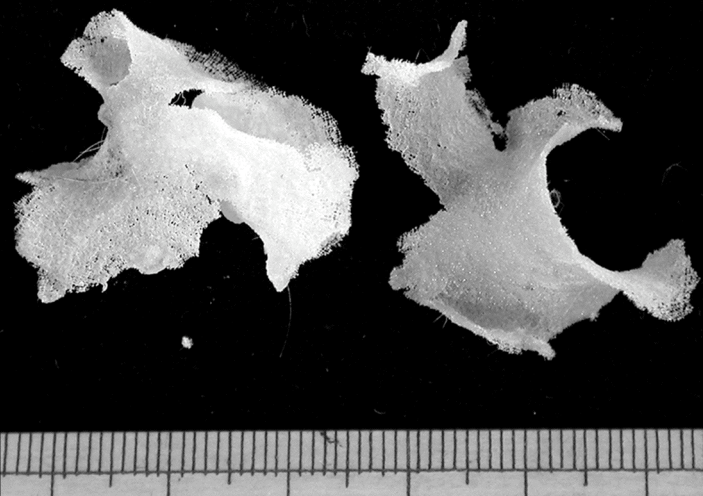
1b

Loc. uncertain, though
 near or at Dōketaba
 11/8/95. Ij. coll. ca. 180 Hiro.
 Orig. fixed in Sublimade

1c

Soft parts scarcely
 preserved at all!

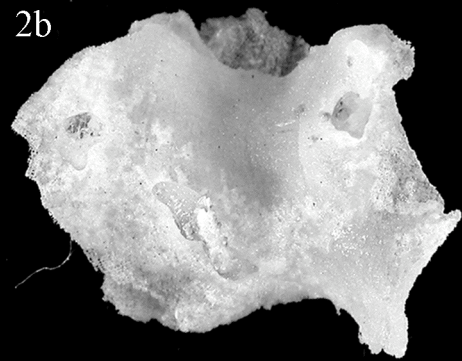
1d



2a

Sp. Coll. Sp. No. 562. Prof. I. Ijima, Tokyo. No. 562
Lonchiphora inversa Ij.
 Type-specimen.
 Coll. by Ijima, on "Dōsun, Aug. 1915
 off Takashima. Say about 1100 Hiro.

2b



2c



Plate 7

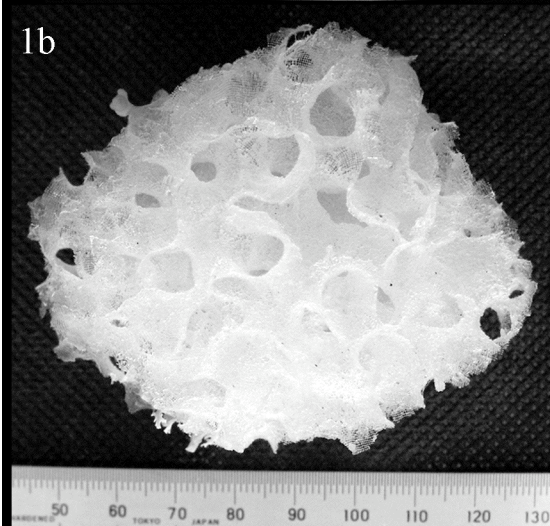
Fig. 1. *Farrea hanitschi* Ijima, 1927, holotype (UMUTZ-PorfH-209). **a**) label; **b**) type specimen.

Fig. 2. *Hexactinella lingua* Ijima, 1927, holotype (UMUTZ-PorfH-529-1). **a, b**) labels; **c**) type specimen.

Fig. 3. *Neaulocystis zitteli sibogae* (Ijima, 1927), probable syntype (UMUTZ-PorfH-202). **a, b**) labels; **c**) type specimen.

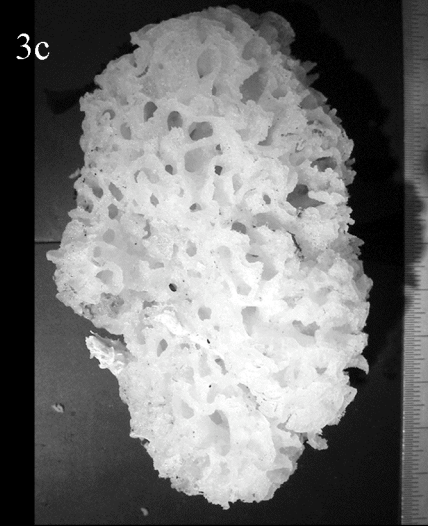
Fig. 4. *Bolosoma paradictyum* (Ijima, 1903), holotype (UMUTZ-PorfH-639). **a, b**) labels; **c**) type specimen.

1a
 Determined by your sheet (M. sp.)
~~... ..~~
Favrea hamitschi sp. n.
 Taken from telegraph cable and
 presented to Raffles Museum
 Singapore by Mr. Maclear Ladd,
 Lat. 10° 47' S, Long. 127° 15' E,
 Timor Sea, NE. of Melville I.,
 Australia.
 Given by Dr. Hamitsch to Ijima, March 1909



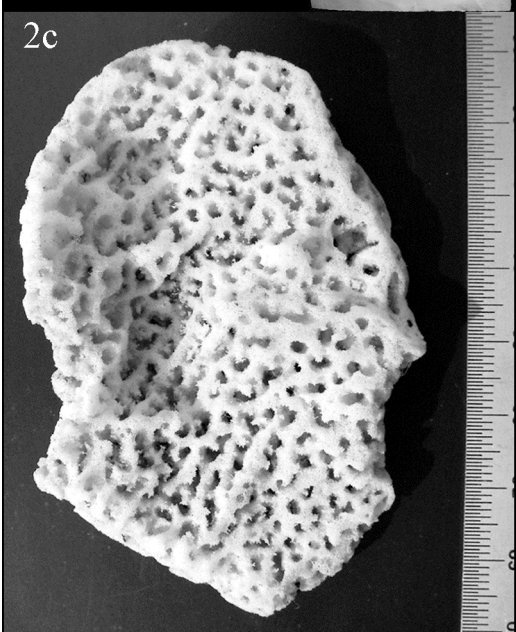
3a
 Prof. I. Ijima, Tokyo.
Aulocystis zittelii sibogae sp. n.
 Timor Sea, NE. of Melville I., Australia.
 Maclear Ladd's coll. Presented to
 Ijima by Dr. R. Hamitsch of Singapore.

3b
 One of the specimens
 figured in the Siboga Report.



2a
 Prof. I. Ijima, Tokyo.
Hexactinella? Lingua sp. n.
 Type specimens.
 Siboga Stat. 251.

2b
 Type specimens of
Hexactinella? Lingua
 Stat. 251. sp. n.
 Another fragment
 to be preserved in wet
 alcohol in a bottle.



4a
Placosoma paradiisum
 sp. n. sp. n.

4b
 標本 地 海 藻 類 第 507 号
 明治 28 年 2 月 2 日 採集



Plate 8

Fig. 1. *Regadrella komeyamai* Ijima, 1901, syntype (UMUTZ-PorfH-787). **a)** label; **b)** type specimen.

Fig. 2. *Euplectella curvistellata* Ijima, 1901, holotype (UMUTZ-PorfH-214). **a)** label; **b)** type specimen.

Fig. 3. *Euplectella timorensis* Ijima, 1927, holotype (UMUTZ-PorfH-230). **a, b)** labels; **c)** type specimen.

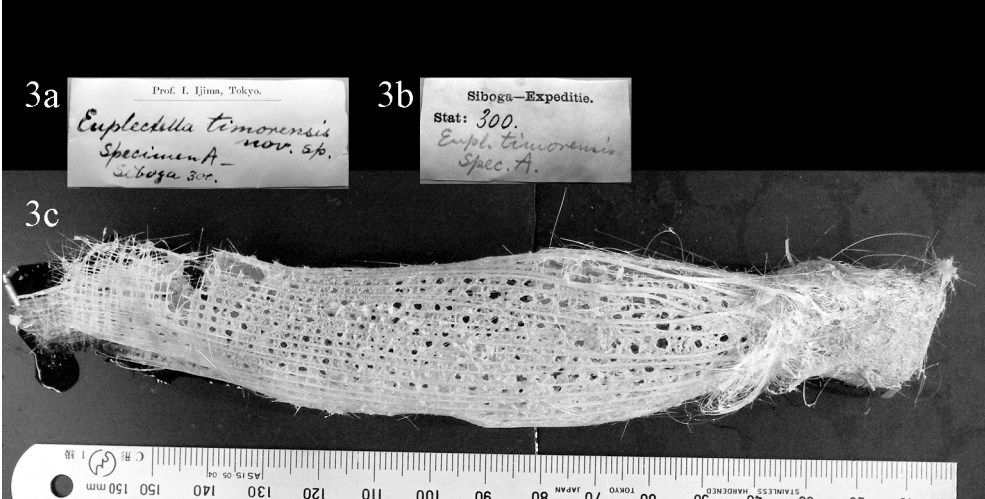
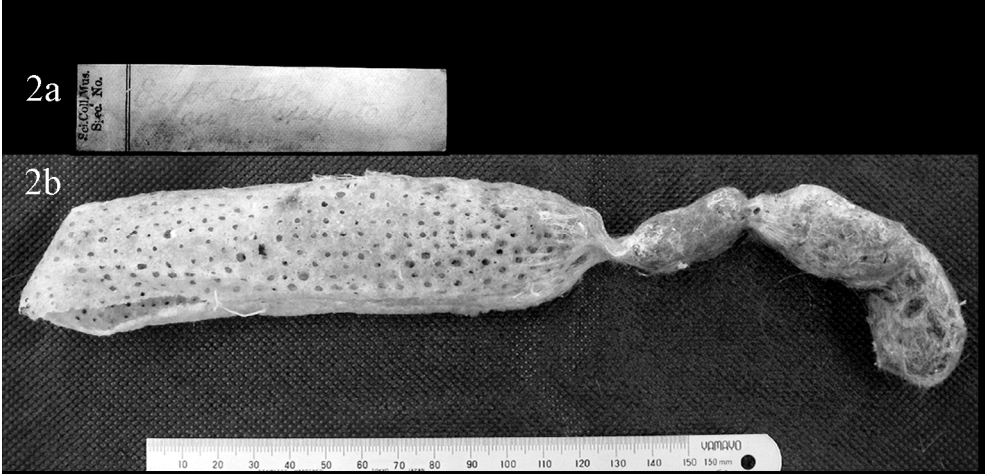
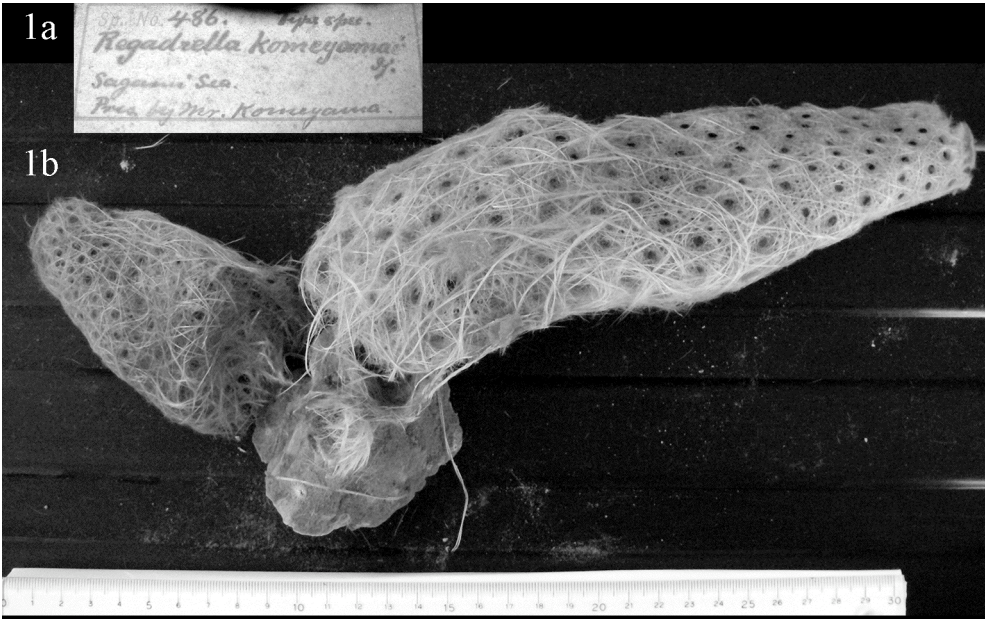


Plate 9

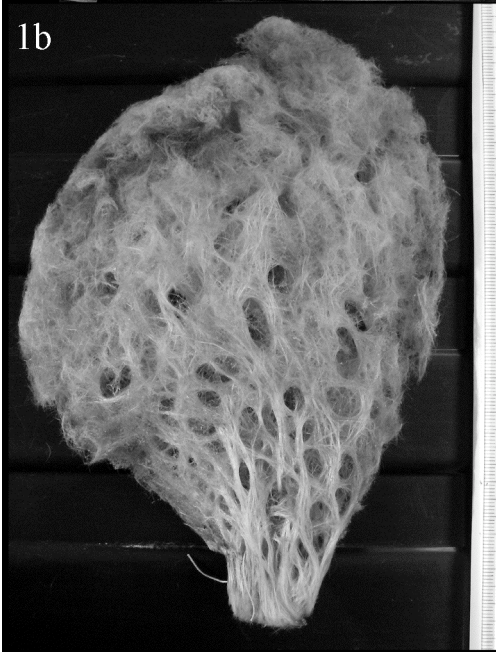
Fig. 1. *Chaunoplectella cavernosa* Ijima, 1896, syntype (UMUTZ-PorfH-799). **a)** label; **b)** type specimen.

Fig. 2. *Leucopsacus orthodocus* Ijima, 1898, lectotype (UMUTZ-PorfH-86). **a)** label; **b)** type specimen.

Fig. 3. *Chaunoplectella stelletta* Ijima, 1927, holotype (UMUTZ-PorfH-245). **a, b)** labels; **c)** type specimen.

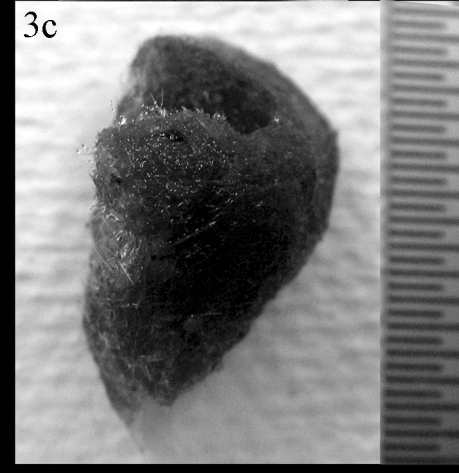
Fig. 4. *Lophocalyx suluana* Ijima, 1927. **a)** label; **b)** holotype (upper; UMUTZ-PorfH-247-1) and paratype (lower; UMUTZ-PorfH-247-2).

1a
 Ser. Coll. Mus. Sp. No. 449
Chaunoplectella
~~*delata*~~ *cavernosum*,
 J.
 Okinawa. 15/5/44. Kuroki

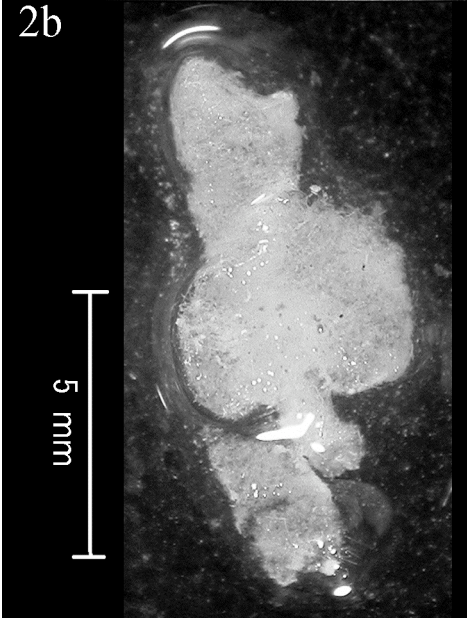


3a
 Stat. 59 Prof. I. Ijima, Tokyo.
Chaunoplectella
stebetta Ij., n. sp.
 (Leucopsacidae)
 Siboga, Stat. 59.

3b
A. lypsoacina Nax.
 Siboga, Stat. 59



2a
 Sp. No. 230. *Leucopsacis*
Lamuginilla orthodocus
 Stat. 13, 6/4/44. Attached
 to the same *Caryophyllia*
 as sp. no. 229.
 Sulu. Ibi. etc.



4a
 Prof. I. Ijima, Tokyo.
Lophocalyx suluensis
 Ij., n. sp.
 Specimens A and B.
 Siboga Stat. 97.



Plate 10

Fig. 1. *Sympagella anomala* Ijima, 1903, syntype (UMUTZ-PorfH-719). **a, b** labels; **c**) type specimen.

Fig. 2. *Rhabdocalyptus capillatus* Ijima, 1897, syntype (UMUTZ-PorfH-287-1). **a, b** labels; **c**) type specimen.

Fig. 3. *Rhabdocalyptus unguiculatus* Ijima, 1904, holotype (UMUTZ-PorfH-769). **a**) label; **b**) type specimen.

Fig. 4. *Staurocalyptus affinis* Ijima, 1904, syntype (UMUTZ-PorfH-793). **a, b** labels; **c**) type specimen.

1a
 No. 455
 Spec. No. 455
 Monje-no-yodomi, 350-hiro
 2/12/99

1b
 Sp. No. 455 Type.
Sympagella gemma f.
 Monje-no-yodomi

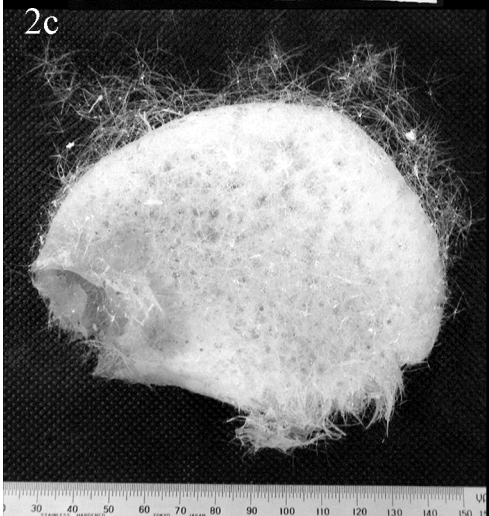


3a
 No. 501
 Rhabdocalyptus
 confuscalatus
 明治三十一年二月日採集



2a
 247.287
Rhabdocalyptus
capillatus Sj.
 Type Spec.

2b
 Sp. No. 287, *Rhabdocalyptus*.
 Inagaki no uchiteta 350 hiro
 2/12/99 star. no. 5- 2/12/99. K
 Id. with sp. no. 247



4a
 Sp. No. 400. Type-specimen
Staurocalyptus affinis
~~Staurocalyptus~~
 Type-Specimen, #
 47-100-10

4b
Staurocalyptus affinis
~~Staurocalyptus~~
 japonicus Sj.
 Type

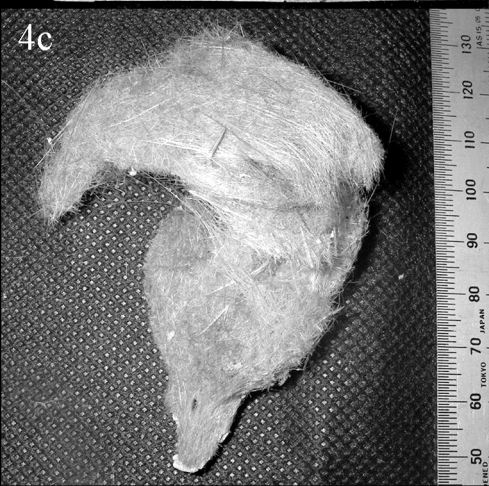


Plate 11

Fig. 1. *Staurocalyptus entacanthus* Ijima, 1904, holotype (UMUTZ-PorfH-797). **a, b**) labels; **c**) type specimen.

Fig. 2. *Staurocalyptus glaber* Ijima, 1897, syntype (UMUTZ-PorfH-516). **a, b**) labels; **c**) hexactinellid, *Periphragella elisae*, served as the substrate of the syntype specimen. The syntype specimen itself was deteriorated.

Fig. 3. *Staurocalyptus heteractinus* Ijima, 1897, holotype (UMUTZ-PorfH-440). **a**) label; **b**) type specimen.

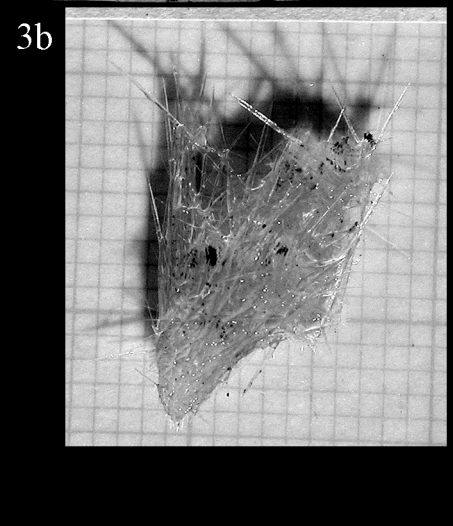
Fig. 4. *Aulosaccus mitsukurii* Ijima, 1898, syntype (UMUTZ-PorfH-750). **a, b**) labels; **c**) type specimen.

1a *Stauracalyptus*
entacanthus J.J. Specimen
Type

1b S.C. Coll. Mus. Spec. No. 242.
Stauracalyptus entacanthus J.J.
Stauracalyptus entacanthus J.J.
Islands of Ogasawara, ca 3 mi off Nihoa
3-400 Hiro. Nov. 21st. 1924. Kuria



3a Sp. No.



4a S.C. Coll. Mus. Spec. No. 427.
Stauracalyptus
glaber J.J. Type
Homba, 350-400 Hiro.

4b Sp. No. 427. Type
Stauracalyptus glaber J.J.



2a Sp. No. 294 Type
Stauracalyptus
glaber J.J.
Homba, 350-400 Hiro.

2b S.C. Coll. Mus. Spec. No. 241.
Stauracalyptus glaber
Type Spec. J.J.
Homba, 350-400 Hiro. 7/12/24
Kuria



Plate 12

- Fig. 1. *Crateromorpha (Crateromorpha) meyeri tuberosa* Ijima, 1898, syntype (UMUTZ-PorfH-748). **a, b** labels; **c**) type specimen.
- Fig. 2. *Crateromorpha (Crateromorpha) meyeri rugosa* Ijima, 1898, probable syntype (UMUTZ-PorfH-751). **a, b** labels; **c**) type specimen.
- Fig. 3. *Hyalascus similis* Ijima, 1904, holotype (UMUTZ-PorfH-59). **a**) label; **b**) type specimen (dissected).
- Fig. 4. *Hyalascus sagamiensis* Ijima, 1896, holotype (UMUTZ-PorfH-174). **a, b** labels; **c**) type specimen (dissected).

Plate 13

Fig. 1. *Vitrollula fertilis* Ijima, 1898. **a**) label; **b**) probable syntype (right, UMUTZ-PorfH-39-1; left, UMUTZ-PorfH-39-2).

Fig. 2. *Vitrollula namiyei* Ijima, 1898, syntype (UMUTZ-PorfH-798). **a**) label; **b**) type specimen.

Fig. 3. *Eurete trachydocus* Ijima, 1927, holotype (UMUTZ-PorfH-270). **a**) label; **b**) type specimen.

Fig. 4. *Staurocalyptus pleorhaphides* Ijima, 1897, syntype (UMUTZ-PorfH-281). **a**) label; **b**) type specimen.

1a Sp. No. *Vitrollula fertile* Sj.
 Sp. No. 231. Stat. 9. off. Suator.
 23/7/94. (Sublimat). Lima
 sp. no. 433. Okinawa ubhiketa
 nov. 1895. K.



3a Prof. I. Ijima, Tokyo.
te trachydocus
 Stat. 251
 7 Keir 9., Kei 2.



2a No. 362.
~~ALAN MO~~
~~Crab~~
~~nam~~



4a Sp. no. 415.
Rhabdocalyptus spinifer Sj.
 Type specimen
 Sengenzuka-gake x Uchi-beta-
 about 2400 thro. 8/5/96. K.

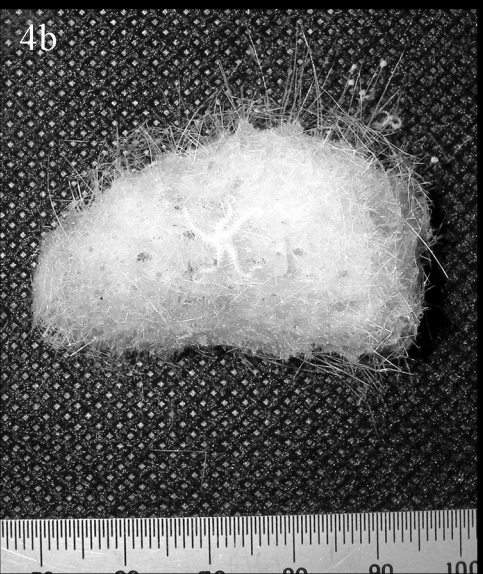


Plate 14

Fig. 1. **a, b)** Small wooden cabinet containing taxonomic cards on sponges handwritten by I. Ijima.

Fig. 2. **a, b, c)** Some examples of taxonomic cards handwritten by I. Ijima, showing brief description and sketches of *Ptychodesia doederleini* (= *Tretochone duplicata*).

