

松蔭海岸における磯採集

＝ 海の動物学習会について＝

伊 藤 十 治

- 期 日** 昭和48年7月25日(水)～26日(木) 1泊2日間
- 場 所** 福井市松蔭海岸
- 講 師** 理学博士 酒 井 恒 先生
- 参加者** 東安居小学校 3名、足羽小学校 PTA 4名、敦賀北小学校 PTA 3名
至民中学校 13名、光陽中学校 12名、足羽中学校 20名、丸岡高等学校 6名
博物館関係者 7名 計68名
- 宿 舎** 福井市和布町 大道(民宿) 宿泊料(1泊3食付きで1,500円)
- 採集物** 2日間で磯採集された動物は、113種で昨年と同一場所で、同じ季節に磯採集したにもかかわらず、新しく記録された動物が35種ある。

スライドによる学習内容

海産生物56コマのスライドについて、印象に残る学問的な説明があつた。その主なものをあげると次のようである。

- ・カイメン類のいろいろ — ムラサキカイメン、ダイダイイソカイメン、クロイソカイメン
ワタトリカイメン
- ・中新世より出現しているタコノマクラ
- ・ウミシダに共棲するコマチガニ —— コマチガニはメルギー群島が原産地
- ・生花にできるイソバナ類
- ・さわるとかるいいたみをおぼえるハネウミヒドラ
- ・一個体として奇異な形をしたアシナガサンゴ
- ・シワホラダマシ(巻貝)にだけ着生するカイウミヒドラ
- ・生きた化石といわれる貝殻をつくるオオムガイ
- ・色彩のかさなり合っていてきれいなホシダカラガイ—— イタリアの名物で、カメオの材料
- ・卵のうをトツクリホオズキというボウシュウボラ—— 肉色で口の色に注目
- ・八丈島では浅海にいるニシキエビ —— 一番美しいエビで、イセエビの仲間
- ・一生の間に雌雄の経験をするホツカイエビ —— 小さいときは雄

次に磯採集した動物を、動物門別に整理し、その中で昨年の記録に新しく加筆できる動物名などをあげると次表のようになる。

・動物名を で示してあるのは、本県内沿岸で初めて記録されたものをあらわす。

動 物 門	種類数	新しく加筆できる動物名とその数
1 脊椎動物（魚類）	5	(1) ハオコゼ
2 原索動物	1	
3 棘皮動物	7	
4 触手動物	1	(1) コブコケムシ
5 星口動物	1	
6 節足動物		
カニ類	13	(1) カクベンケイガニ
歪尾類	4	(2) ヤマトホンヤドカリ、イボトゲガニ
その他	14	(2) スジエビモドキ、シロスジフジツボ
7 環形動物	15	(7) オトヒメゴカイ、イワムシ、 ノリクラ ケヤリ 、カンザシゴカイ ^{SP} 、ヒトエカ ンザシ、シライトゴカイ、 カニビル
8 軟体動物	37	(15) ヒメアサリ 、ホトトギスガイ、ムラサ キイガイ、 サザエ [※] 、アオガイ、ミノウミ ムシ、マダラウミムシ、サラサウミムシ、 コモンウミムシ、 ヒメムシロガイ 、メダ カラガイ、ケハダヒザラガイ、ヒザラガ イ（デイガゼ）、ハバガセ、ヤスリヒザ ラガイ、
9 ひも形動物	2	(1) ナミヒモムシ
10 扁形動物	2	
11 腔腸動物	5	(3) ミズクラゲ（ヨツメクラゲ）、アサガ オクラゲ、シロガヤ
12 海綿動物	6	(2) ダイダイイソカイメン、ワタトリカイ メン
計	113	(35) 5

List of Animal Species Found in Matukage Sea Shore.

(Fukui Prefectural Institute of Education : ZYUZI ITO)

PORIFERA DEMOSPONGIAE HALIGHONDRINA

Suberitidae

1. Tethya aurantium (Pallas) ----- ユズダマカイメン
 Locality : Zyugu, Anto, Ituhata, Nagahasi, So, Matukage, Matukage,

Halichondriidae

- (1.) Halichondria japonica (Kadota) ----- ダイダイイソカイメン
 Locality : Zyugu, Takasu, Anto, Zyugu, Sakajiri, Matukage,
 2. H. panicea Johnston ----- ナミイソカイメン
 Locality : Matukage, Matukage,
 3. H. okadai Kadota ----- クロイソカイメン
 Locality : Zyugu, Nagahasi, Matukage, Matukage,

Haliclonidae

1. Haliclona permollis (Bowerbank) ----- ムラサキカイメン
 Locality : Ituhata, Kajiura, Anto, Nagahasi, Anto, So, Yokohama,
 Sakajiri, Matukage, Matukage,

Callyspongiidae

- (1.) Callyspongia elegans (Thiele) ----- ワタトリカイメン
 Locality : Takasu, So, Matukage,

COELENTERATA HYDROZOA HYDROIDA THECATA (=LEPTONEDUSAE)

Plumulariidae

- (1.) Aglaophenia whiteleggei Bale ----- シロガヤ
 Locality : Zyugu, Takasu, Takahama, Kuriya, Zyugu, Kajiura, Sakajiri,
 Matukage,

SCYPHOMEDUSAE SCYPHOSTOMIDAE STAUROMEDUSAE

Halicyclystidae

- (1.) Halicyclystus auricula Clark ----- アサガオクラゲ
 Locality : Anto, Takahama, Kuriya, Osima, Kajiura, Anto, Anto,
 Matukage,

EPHYRIDAE SEMAEOSTOMAE

Ulmaridae

- (1.) Aurelia aurita Lamarck ----- ミズクラゲ(ヨソクラゲ)
 Locality : Takahama, Kuriya, Sakajiri, Zyugu, Sakajiri, Matukage,

ANTHOZOA HEXACORALLIA ACTINIARIA NYANYHEAE THENARIA ENDOMYARIA

Actiniidae

1. Anthopleura japonica Verrill ----- ヨロイソギンチャク
 Locality : Zyugu, Takahama, Kuriya, Hayase, Kajiura, Matukage, Matukage,
 2. Actinia equina (Linné) ----- ウメボシソギンチャク
 Locality : Anto, Takahama, Kuriya, Hayase, Kajiura, Matukage, Matukage,

PLATHELMINTHES TURBELLARIA POLYCLADIDA ACOTYIEA

Leptoplanidae

1. Notoplana humilis (Stimpson) ----- ヲスヒラムシ
Locality : Zyugu, Takasu, Anto, Tagarasu, Hayase, Ayukawa, Anto,
Anto, Nagahasi, So, Yokohama, Sakajiri, Matukage, Matukage,

Planoceridae

1. Planocera reticulata (Stimpson) ----- シノヒラムシ
Locality : Zyugu, Anto, Hayase, Ayukawa, Urazoko, Kajiura, Nagahasi,
Sakajiri, Matukage, Matukage,

NEMERTINEA ANOPLA HETERONEMERTEA

Lineidae

- (1.) Cerebratulus communis Takakura ----- ナヒモムシ
Locality : Sakajiri, Matukage,
(Nemertinea sp.) ----- ヒモムシ sp.
Locality : Takasu, Anto, Takahama, Hayase, Kajiura, So, Sakajiri,
Matukage,

MOLLUSCA POLYPLACOPHORA NEOIORICATA ISCHNOCHITONINA

Ischnochitonidae

- (1.) Lepidozona (s. s.) coreanica (Reeve) ----- ヤスヒザラガイ
Locality : Zyugu, Takasu, Anto, Kuriya, Tagarasu, Ayukawa, Ituhata,
Kajiura, Anto, Anto, Sakajiri, Matukage,
2. Ischnochiton (s. s.) comptus f. comptus (Gould) ----- ヲスヒザラガイ
Locality : Zyugu, Takahama, Tagarasu, Hayase, Ayukawa, Kajiura, Anto,
Nagahasi, Sakajiri, Matukage, Matukage,

Mopaliidae

- (1.) Placiphorella japonica (Dall) ----- ハバガセ
Locality : Ituhata, So, Yokohama, Matukage,

Chitonidae

- (1.) Liolophura japonica (Iischke) ----- ヒザラガイ(ダイガセ)
Locality : Zyugu, Takasu, Anto, Takahama, Kuriya, Ayukawa, Anto,
Ituhata, Sakajiri, Matukage,

ACANTHOCHITONINA

Acanthochitonidae

- (1.) Acanthochiton defilippi (Tapparone-Canefri) ----- ケハダヒザラガイ
Locality : Anto, Tagarasu, Ayukawa, Matukage,

CONCHIFERA GASTROPODA PROSOBRACHIA ARCHAEOGASTROPODA PLEUROMARIINA

Fissurellidae

1. Scutus (Aviscutus) sinensis (Blainville) ----- オトメガサガイ
Locality : Takahama, Kuriya, Hayase, Ayukawa, Ituhata, Kajiura,
Anto, Sakajiri, Matukage, Matukage,

PATELLINA

Patellidae

1. *Cellana toreuma* (Reeve) ----- ヨメガカサガイ
 Locality : Hayase, Ayukawa, Zyugu, Ituhata, Nagahasi, So,
 Yokohama, Matukage, Matukage,

Acmaeidae

- (1.) *Notoacmea schrenckii* (Lischke) ----- アオガイ
 Locality : Osima, Matukage, So, Yokohama, Matukage,

TROCHINA

Trochidae

1. *Cantharidus japonica* (A. Adams) ----- ナグサガイ
 Locality : Nagahasi, Sakajiri, Matukage, Matukage,
 2. *Chlorostoma argyrostoma lischkei* (Tapparone-Canefri) ----- クボガイ
 Locality : Kajiura, Anto, Anto, Anto, So, Yokohama, Kuriya,
 Nagahasi, Sakajiri, Matukage, Matukage,
 3. *Monodonta labio* (Linné) ----- イシダタミガイ
 Locality : Takahama, Kuriya, Kajiura, Ituhata, Osima, Nagahasi,
 So, Yokohama, Sakajiri, Matukage, Matukage,
 4. *M. (Neomodonta) neritoides* (Philippi) ----- クロズケガイ
 Locality : Kajiura, So, Yokohama, Matukage, Matukage,
 5. *Omphalius pfeifferi* (Philippi) ----- ハダイラ
 Locality : Matukage, Matukage,
 6. *O. nigerrimus* (Gmelin) ----- ヒメクボガイ
 Locality : Kajiura, So, Yokohama, Nagahasi, Matukage, Matukage,
 7. *O. rustica* (Gmelin) ----- コシダカゴンガラ
 Locality : Hayase, Zyugu, Kajiura, Ituhata, Nagahasi, So,
 Matukage, Matukage,

Turbinidae

1. *Lunella coronata* (Gmelin) ----- スガイ
 Locality : Hayase, Ayukawa, So, Sakajiri, Matukage, Matukage,
 (2.) *Batillus cornutus* (Solander) ----- サザエ
 Locality : Matukage,

MESOGASTROPODA ARCHAEOGAENIOGLOSSA

Littorinidae

1. *Nodilittorina granularis* (Gray) ----- アラレタマキビガイ
 Locality : Hayase, Ayukawa, Mizusima, Anto, Kajiura, Nagahasi,
 So, Yokohama, Matukage, Matukage,
 2. *Littorina brevicula* (Philippi) ----- タマキビガイ
 Locality : Hayase, Kajiura, Anto, Nagahasi, So, Sakajiri,
 Matukage, Matukage,

Vermetidae

1. *Serpulorbis (Cladopoda) imbricatus* (Dunker) ----- オオヒビガイ
 Locality : Ayukawa, Kajiura, Anto, Nagahasi, So, Yokohama,
 Sakajiri, Matukage, Matukage,

Cerithiidae

1. *Proclava kochi* (Philippi) ----- カ=モリガイ
 Locality : Kuriya, Ayukawa, Kajiura, Anto, Nagahasi, Yokohama, So,
 Mizusima, Matukage, Matukage,

HETEROPODA

Cypraeidae

- (1.) *Purpuradusta (Cupinota) gracilis* (Gaskoin) ----- メダカラガイ
 Locality : Ayukawa, Matukage,

NEOGASTROPODA STENOGLOSSA

Muricidae

1. *Thais bronni* (Dunker) ----- レインガイ
 Locality : Kuriya, Hayase, Ayukawa, Kajiura, Anto, Ituhata, So,
 Nagahasi, Yokohama, Sakajiri, Matukage, Matukage
 2. *T. clavigera* (KMster) ----- イボ=シ
 Locality : Kuriya, Hayase, Ayukawa, Zyugu, Anto, Sakajiri, Matukage,
 Matukage,

Nassariidae

- (1.) *Reticunassa beata* (Gould) ----- ヒメムシロガイ
 Locality : Matukage,

OPISTHOBRANCHIA ANASPIDEA

Aplysiidae

1. *Aplysia (Pruvotaplysia) parvula* Mörch ----- クロヘリアメフシ
 Locality : Takasu, Anto, Takahama, Kuriya, Tagarasu, Hayase, Ayukawa,
 Kajiura, Anto, Nagahasi, So, Yokohama, Sakajiri, Matukage,
 Matukage,

NUDIBRANCHIA

Doriidae

1. *Glossodoris festiva* (Adams) ----- アオウミウシ
 Locality : Zyugu, Anto, Takahama, Kuriya, Tagarasu, Hayase, Ayukawa,
 Kajiura, Anto, Nagahasi, Urazoko, Ituhata, Matukage,
 Matukage,
 (2.) *G. aureopurpurea* (Collingwood) ----- コモンジミウシ
 Locality : Takahama, Kuriya, Kaburaki, Hayase, Ituhata, Kajiura,
 Matukage,
 3. *G. pallescens* (Bergh) ----- シロウミウシ
 Locality : Zyugu, Anto, Takahama, Kuriya, Hayase, Ituhata, Kajiura,
 Anto, So, Yokohama, Sakajiri, Matukage, Matukage,
 (4.) *G. alderi* (Collingwood) ----- サラサウミウシ
 Locality : Kuriya, Matukage,
 (5.) *Dendrodoris (D.) rubra nigromaculata* (Eliot) ----- マダラウミウシ
 Locality : Ituhata, Matukage,

Aeolidiidae

- (1.) *Aeolidiella takanosimensis* Baba ----- シウミウシ
 Locality : Anto, Kuriya, Hayase, Urazoko, Anto, Nagahasi, Matukage,

PELECYPODA PTERIOMORPHIA EUTAXODONTA

Arcidae

1. *Barbatia* (*Abarbatia*) *lima* (Reeve) ----- エカイ
 Locality : Hayase, Matukage, Matukage,

DYSODONTA ISOFILIBRANCHIA

Mytilidae

- (1.) *Mytilus edulis* Linné ----- ムラサキイガイ
 Locality : Nagahasi, Matukage,
 (2.) *Musculus* (*Musculista*) *senhousia* (Benson) ----- ホトトギスガイ
 Locality : Mikuni, Hayase, Matukage,

EULAMELLIBRANCHIA HETERODONTA ASTARTIDONTINA

Carditidae

1. *Cardita leana* Dunker ----- トマヤガイ
 Locality : Matukage, Matukage,

PLIODONTINA

Veneridae

- (1.) *Tapes* (*Amygdala*) *variegata* Sowerby ----- ヒメアサリ
 Locality : Matukage,

ANNELIDA POLYCHAETA ERRANTIA

Polynoidae

1. *Polynoidae* sp. ----- ウロコムシ sp
 Locality : Ituhata, Kajiura, Osima, Nagahasi, Sakajiri, Matukage,
 Matukage,

Onuphidae

1. *Diopatra sugokai* Izuka ----- スゴカイ(イソメ)
 Locality : Sakajiri, Matukage, Matukage,

Syllidae

1. *Syllidae* sp. ----- シリス sp
 Locality : Ituhata, Kajiura, So, Hayase, Yokohama, Sakajiri,
 Matukage, Matukage,

Hesionidae

- (1.) *Hesione reticulata* Marenzeller ----- オトヒメゴカイ
 Locality : Matukage,

Nereidae

1. *Neanthes diversicolor* (Müller) ----- ゴカイ
 Locality : Takahama, Kuriya, Tagarasu, Hayase, Ayukawa, Kajiura,
 Anto, Ituhata, Nagahasi, So, Yokohama, Sakajiri,
 Matukage, Matukage,

Eunicidae

- (1.) *Marphysa sanguiner* (Montagu) ----- イワムシ
 Locality : Takasu, Anto, Matukage,

SEDENTARIA

Cirratulidae

1. *Acrocirrus validus* Marenzeller ----- クマノアシツキ
 Locality : Zyugu, Takasu, Anto, Takahama, Kaburaki, Tagarasu,
 Hayase, Ayukawa, Kajiura, Matukage, Matukage,

Terebellidae

1. Terebellidae sp. ----- フサゴカイ sp
 Locality : Osima, Nagahasi, So, Yokohama, Sakajiri, Matukage,
 Matukage,

Sabellidae

1. *Sabellastarte indica* (Savigny) ----- ケヤリ
 Locality : Zyugu, Takahama, Hayase, Ayukawa, Ituhata, Nagahasi,
 Matukage, Matukage,
 (2.) *Hypsicomus phaeotaenia* (Schmarda) ----- ノリクラケヤリ
 Locality : Matukage,

Serpulidae

- (1.) Serpulidae sp. ----- カンザンゴカイ sp
 Locality : Zyugu, Anto, Kuriya, Kajiura, So, Yokohama, Sakajiri,
 Matukage,
 2. *Dexiospira foraminosus* (Bush) ----- シズマキゴカイ
 Locality : Ituhata, Kajiura, Anto, Anto, Kuriya, Anto, Zyugu,
 So, Yokohama, Matukage, Matukage,
 (3.) *Serpula vermicularis* Linnaeus ----- ヒトエカンザン
 Locality : Zyugu, Anto, Hayase, Zyugu, Matukage,
 (4.) *Salmacina dysteri* (Huxley) ----- シライトゴカイ
 Locality : Ituhata, Anto, Matukage,

HIRUDINEA EUHIRUDINEA RHYNCHOBDELLIDA

Piscicolidae

- (1.) *Carcinobdella kanibir* Oka ----- カニビル
 Locality : Matukage,

ARTHROPODA PYCNOGONIDA PYCNOGONIDA PANTOPODA (=PODOSOMATA)

Ammonotheidae

1. *Achelia superba* (Loman) ----- イソメムシ
 Locality : Anto, Zyugu, Hayase, Matukage, Matukage,

Pycnogonida sp.

- シシクエ sp
 Locality : Takasu, Takahama, Tagarasu, Sakajiri, Nagahasi,
 Matukage, Matukage,

CRUSTACEA CIRRIPIEDIA THORACICA LEPADOMORPHA (PEDUNCULATA)

Scalpellidae

1. *Pollicipes mitella* (Linné) ----- カメノテ
 Locality : Kuriya, Kaburaki, Hayase, Kajiura, Anto, Ituhata,
 Anto, Nagahasi, Sakajiri, Matukage, Matukage,

BALANOMORPHA

Balanidae

- (1.) *Balanus amphitrite albicostatus* Pilsbry シロスジフジボ
 Locality : Takahama, Matukage,

ISOPODA ANTHUROIDEA

Anthuridae

1. *Paranthura japonica* Richardson ウミナナフシ
 Locality : Takasu, Anto, Takahama, Kuriya, Kajiura, Nagahasi,
 Matukage, Matukage,

ASEILOTA

Janiridae

1. *Janiropsis longiantennata* Thielemann ウミミズムシ
 Locality : Kuriya, Hayase, Kajiura, Ituhata, Nagahasi,
 Sakajiri, Matukage, Matukage,

ONISCOIDEA

Ligiidae

1. *Ligia (Megaligia) exotica* Roux フナムシ
 Locality : Takasu, Anto, Kuriya, Anto, Matukage, Matukage,

VALVIFERA

Idoteidae

1. *Idotea japonica* H. Richardson オオツクヘラムシ(イトダ・セボ=カ)
 Locality : Matukage,
 2. *Cleantis planicauda* (Benelict) オソヘラムシ(クワンタス・ブラ=カサ)
 Locality : Takasu, Anto, Takahama, Kuriya, Kaburaki, Hayase,
 Ayukawa, Anto, Matukage, Matukage,

FLABELLIFERA

Sphaeromidae

1. *Cymodoce japonica* Richardson ニホンゴツブムシ(ウミセミ)
 Locality : Takasu, Takahama, Kuriya, Kaburaki, Ayukawa, Kajiura,
 Anto, Anto, Nagahasi, So, Yokohama, Sakajiri,
 Matukage, Matukage,

AMPHIPODA GAMMARIDEA

Gammaridae

1. *Gammaridae* sp. ヨコエビ
 Locality : Takasu, Anto, Takahama, Kuriya, Kaburaki, Tagarasu,
 Hayase, Ayukawa, Kajiura, Anto, Nagahasi, So,
 Yokohama, Sakajiri, Matukage, Matukage,

CAPRELLIDEA = LAEMODIPODA

Caprellidae

1. Caprella sp. フレカラ sp
 Locality : Zyugu, Takahama, Tagarasu, Hayase, Anto, Anto,
 Nagahasi, Matukage, Matukage,

DECAPODA MACRURA

Alpheidae

1. Alpheus brevicristatus de Haan テッポウエビ
 Locality : Urazoko, Matukage, Matukage,

Palaemonidae

- (1.) Palaemon (Palaemon) serrifer (Stimpson) スジエビモドキ
 Locality : Takasu, Matukage,

ANOMURA

Porcellanidae

1. Petrolisthes japonicus (de Haan) イソカニダマシ
 Locality : Takasu, Anto, Takahama, Kuriya, Hayase, Sakajiri,
 Matukage, Matukage,

Paguridae

- (1.) Pagurus japonicus (Stimpson) ヤマトホンヤドカリ
 Locality : Takahama, Kuriya, Ayukawa, Kajiura, Nagahasi,
 Matukage,
 2. P. samulis (Stimpson) ホンヤドカリ
 Locality : Anto, Anto, Nagahasi, So, Sakajiri, Matukage,
 Matukage,

Lithodidae

- (1.) Hapalogaster dentata (de Haan) イボトゲガニ
 Locality : Zyugu, Anto, Zyugu, Ituhata, Anto, Matukage,

BRACHYURA

Hymenosomidae

1. Rhynchoplax messor Stimpson 1858 ヤワラガニ
 Locality : Takasu, Anto, Kuriya, Hayase, Ayukawa, Nagahasi,
 Matukage, Matukage,
 2. R. coralicola Rathbun 1909 ソノダシヤワラガニ
 Locality : Nagahasi, Sakajiri, Matukage, Matukage,
 3. Elamena truncata Stimpson 1858 ヒメソバガラガニ
 Locality : Zyugu, Takasu, Anto, Kuriya, Matukage, Matukage,

Majidae

1. Pugettia quadridens (de Haan 1839) ヨツハモガニ
 Locality : Takasu, Anto, Takahama, Kuriya, Hayase, Zyugu,
 Kajiura, Anto, Ituhata, Nagahasi, So, Sakajiri,
 Matukage, Matukage,

Xanthidae

1. Thalamita sima H. Milne-Edwards 1834 フタバベニツケガニ
 Locality : Ayukawa, Matukage, Matukage,

Xanthidae

2. *Xantho truncata* de Haan 1835 ----- トガリ オウギガニ
 Locality : Anto, Hayase, Takahama, Matukage, Matukage,
 3. *Pilumnopus indica* (de Man 1887) ----- トラノオガニ
 Locality : Takasu, Anto, Takahama, Kuriya, Kajiura, Anto,
 Nagahasi, Matukage, Matukage,

Grapsidae

1. *Pachygrapsus crassipes* Randall 1893 ----- イワガニ (アブラガニ)
 Locality : Zyugu, Takasu, Anto, Kuriya, Kaburaki, Tagarasu,
 Hayase, Ituhata, Kajiura, Anto, Anto, So, Yokohama,
 Sakajiri, Matukage, Matukage,
 2. *Hemigrapsus sanguineus* (de Haan 1835) ----- イソガニ
 Locality : Takasu, Takahama, Ayukawa, Anto, Nagahasi, So,
 Yokohama, Matukage, Matukage,
 3. *H. penicillatus* (de Haan 1835) ----- ケツサイソガニ
 Locality : Takasu, Hayase, Kuriya, Nagahasi, Sakajiri, Matukage,
 Matukage,
 4. *Sesarma* (*Holometopus*) *haematocheir* (de Haan 1835) ----- アカテガニ
 Locality : Zyugu, Takasu, Tagarasu, Hayase, Kuriya, Matukage,
 Matukage,
 (5.) *S. (Parasesarma) picta* (de Haan 1835) ----- カクベンケイガニ
 Locality : Nagahasi, Matukage,
 6. *Gaetice depressus* (de Haan 1835) ----- ヒライソガニ
 Locality : Takasu, Takahama, Kajiura, Ituhata, So, Sakajiri,
 Nagahasi, Matukage, Matukage,

SIPUNCULOIDEA SIPUNCULOIDEA

SIPUNCULIDA

Sipunculidae

1. *Golfingia nigra* (Ikeda) ----- クロホシムシ
 Locality : Ayukawa, Nagahasi, So, Matukage, Matukage,

TENTACULATA (=LOPHOPHORATA) BRYOZOA (=POLYZOA = ECTOPROCTA) GYMNOIAEMATA CHEILOSTOMATA

Ascophora

- (1.) *Celleporina costazii* (Audouin) ----- コブコケムシ
 Locality : Zyugu, Takasu, Anto, Kuriya, Kaburaki, Tagarasu,
 Hayase, Urazoko, Nagahasi, Sakajiri, Matukage,

ECHINODERMATA ASTEROZOA (=STELIEROIDEA) EUASTEROIDEA SPINULOSA

Asteribidae

1. *Asterina pectinifera* Müller et Troschel イトアキヒトデ
 Locality : Zyugu, Zyugu, Takasu, Anto, Takahama, Kuriya,
 Kaburaki, Tagarasu, Hayase, Ayukawa, Urazoko,
 Nagahasi, So, Yokohama, Sakajiri, Matukage, Matukage,

FORCIPULATA ASTERIADINA

Asteriidae

- (Coscinasteriinae)
 1. *Coscinasterias acutespina* (Stimpson) ヤツデヒトデ
 Locality : Zyugu, Takasu, Anto, Takahama, Kuriya, Kaburaki,
 Tagarasu, Ayukawa, Kajiura, Anto, Anto, Ituhata,
 Nagahasi, So, Yokohama, Matukage, Matukage,
2. *Asterias amurensis* Lütken ヒトデ
 Locality : Zyugu, Takasu, Kaburaki, Ayukawa, Urazoko,
 Kajiura, Anto, Nagahasi, So, Yokohama, Sakajiri,
 Matukage, Matukage,

OPHIUROIDEA GNATHOPHIURIDA = OPHIURIDA

Ophiothricidae

1. *Ophiothrix koreana* Duncan トゲクモヒトデ
 Locality : Takahama, Kajiura, Ituhata, Nagahasi, So, Yokohama,
 Sakajiri, Matukage, Matukage,

CHILOPHIURIDA

Ophiolipididae

1. *Ophioplocus japonicus* Clark クモヒトデ (オホホツス・ヤポニクス)
 Locality : Zyugu, Anto, Kuriya, Kaburaki, Hayase, Zyugu,
 Kajiura, Anto, Anto, Nagahasi, So, Yokohama,
 Sakajiri, Matukage, Matukage,

ECHINOIDEA EUECHINOIDEA (=CAMARODONTA) ECHINIDEA

Strongylocentrotidae

1. *Hemicentrotus pulcherrimus* (A. Agassiz) ハフシウニ
 Locality : Zyugu, Takasu, Anto, Takahama, Kuriya, Tagarasu,
 Hayase, Ayukawa, Zyugu, Kajiura, Ituhata, So,
 Nagahasi, Yokohama, Sakajiri, Matukage, Matukage,

HOLOTHUROIDEA ASPIDOCHIROTACEA ASPIDOCHIROTIDA (ASPIDOCHIROTA)

Stichopodidae

1. *Stichopus japonicus* Selenka マナマコ
 Locality : Nagahasi, Zyugu, Anto, Takahama, Kuriya, Kaburaki,
 Tagarasu, Hayase, Ayukawa, Ituhata, Kajiura, Anto,
 So, Sakajiri, Matukage, Matukage,

PROCHORDATA UROCHORDA (=TUNICATA) ASCIDIACEA PLEUROGONA STOLIDOBRACHIATA (=PTYCHOBANCHIA)

Botryllidae

1. Botrylloides aurantium Oka (MS) アカイタボヤ
Locality : Zyugu, Takasu, Takahama, Kaburaki, Tagarasu,
Ayukawa, Nagahasi, Sakajiri, Matukage, Matukage,

VERTEBRATA PISCES OSTEICHTHYES ACTINOPTER PERCIFORMES

Kyphosidae

1. Girella punctata Gray メジナ
Locality ; Anto, Kaburaki, Hayase, Urazoko, Kajiura, So,
Nagahasi, Sikaura, Yokohama, Matukage, Matukage,

Gobiidae

1. Chasmichthys dolichognathus dolichognathus (Hilgendorf) アゴハゼ
Locality : Yokohama, Sakajiri, Matukage, Matukage,

Blenniidae

1. Omobranchus elegans (Steindachner) ナベカ
Locality : Ayukawa, Urazoko, So, Sakajiri, Matukage, Matukage,

TETR(A)ODONTIFORMES (PLECTOGNATHI)

Tetraodontidae

1. Fugu niphobles (Jordan et Snyder) クサフグ
Locality : Kaburaki, Hayase, Urazoko, Anto, Nagahasi, So,
Sakajiri, Matukage, Matukage,

SCORPAENIFORMES

Aploactidae

- (1.) Hypodytes rubripinnis (Temminck et Schlegel) ハオコゼ
Locality : Zyugu, Takasu, Hayase, Urazoko, Matukage,

(end)