

P L A T E S

(1 - 22)

Explanation of plate 1

Fig. 1. Unconformity between the Pliocene Kume Formation and the late middle Miocene Hase Formation (arrow mark) behind the Hatasome Public Hall at Dai, Harima-cho, Hitachiota City, (Ha; Hase Formation, Ku; Kume Formation).

Fig. 2. Unconformity between the Pliocene Kume Formation and the late middle Miocene Hase Formation (arrow mark) at about 500 m south of Benten, Kamezaku-cho, Hitachiota City, (Ha; Hase Formation, Ku; Kume Formation).

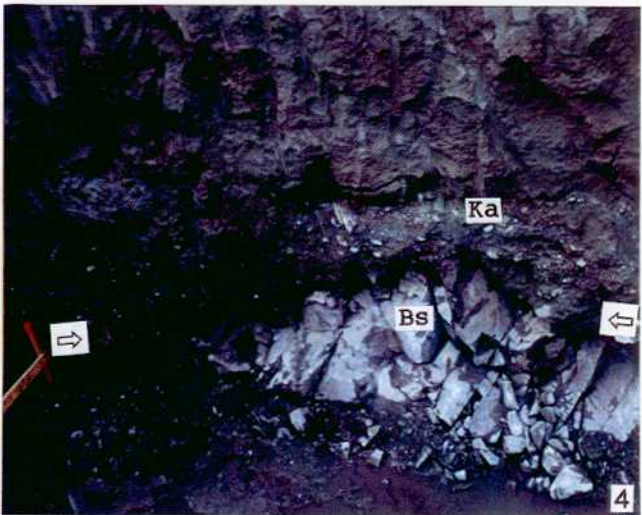
Fig. 3. Unconformity between the Pliocene Kume Formation and the late middle Miocene Hase Formation (arrow mark) at about 100 m south of Nodono, Takanuki-cho, Hitachiota City, (Ha; Hase Formation, Ku; Kume Formation).

Fig. 4. Unconformity between the late middle Miocene Kawarago Formation and the Pre-Tertiary the basement rocks (arrow mark) at about 500 m south of the Hitachi Commercial High School, Kuji 2 chome, Kuji-cho, Hitachi City, (Bs; basement rocks, Ka; Kawarago Formation).

Fig. 5. Unconformity between the late middle Miocene Hase Formation and the Pre-Tertiary basement rocks (arrow mark) at about

500 m northeast of Moto-Shiraha, Shiraha-cho, Hitachiota
City, (Bs; basement rocks, Ha; Hase Formation).

Fig. 6. Stratigraphic boundary of the middle Miocene Genjigawa
Formation and the early middle Miocene Zuiryu Formation
(arrow mark) at Hanabusa, Kanasago-machi, Kuji-gun, (Zu;
Zuiryu Formation, Ge; Genjigawa Formation).



Explanation of plate 2

Figs. 1a-b; 1a. Unconformity between the Pliocene Kume Formation and the late middle Miocene Urizura Formation (arrow mark) at about 300 m southwest of Nagai, Nukada-Togo, Naka-machi, Naka-gun; 1b. close up view of the unconformity of the right side of Fig.1a (Ur; Urizura Formation, Ku; Kume Formation).

Fig. 2. Unconformity between the Pliocene Hitachi Formation and the late middle Miocene Kwarago Formation (arrow mark) at about 500 m north of the Hitachi Custom Office, Omika-cho, Hitachi City, (Ka; Kwarago Formation, Ht; Hitachi Formation).

Fig. 3. Unconformity between the Pliocene Hanareyama Tuff Member of the Kume Formation and the late middle Miocene Kwarago Formation (arrow mark) at about 200 m southeast of the Chinone Hospital, Kuji 4 chome, Kuji-cho, Hitachi City, (Ka; Kwarago Formation, Ha; Hanareyama Tuff Member of the Hitachi Formation).

Fig. 4. Unconformity between the Pliocene Muramatsu Formation and the late middle Miocene Shinkawa Formation (arrow mark) at about 700 m west of Kawane, Tokai-mura, Naka-gun, (Sh; Shinkawa Formation, Mu; Muramatsu Formation).

Fig. 5. Unconformity between the Pliocene Kume Formation and the late middle Miocene Kawarago Formation (arrow mark) at about 300 west of the Chinone Hospital, Kuji 4 chome, Kuji-cho, Hitachi City, (Ka; Kawarago Formation, Ku; Kume Formation).



The Tama Formation and the Pre-Tertiary basement rocks



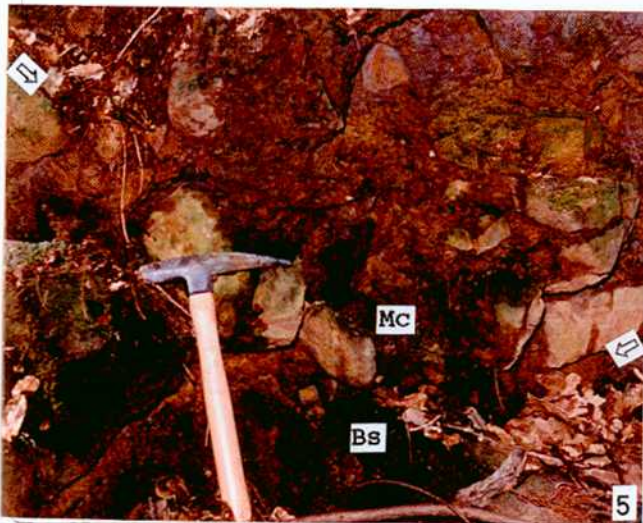
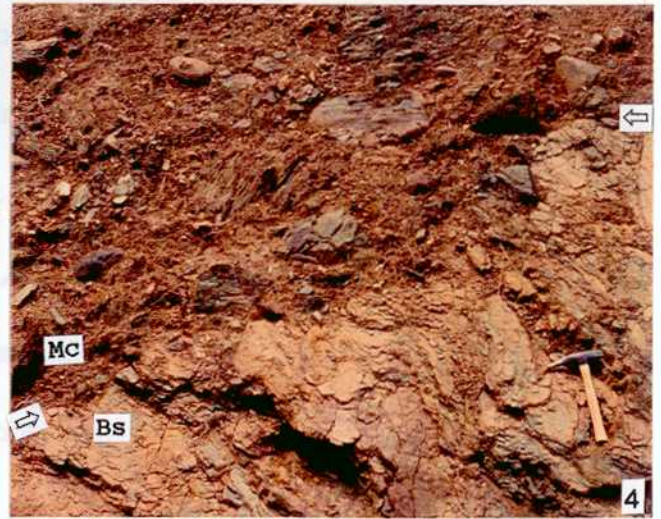
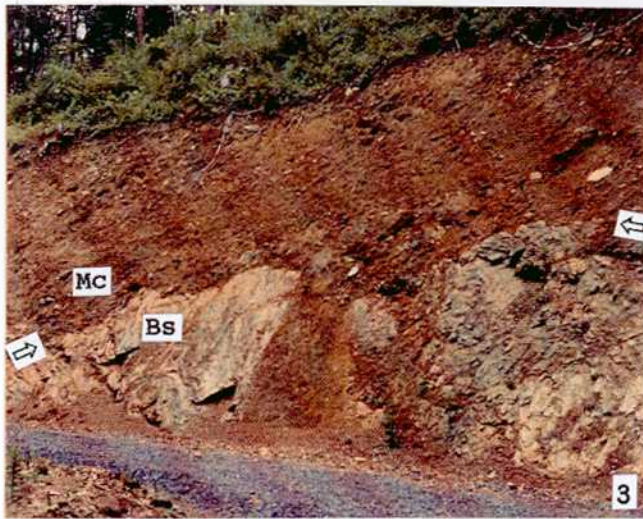
Explanation of plate 3

Figs. 1-2. Type locality of the Pliocene Momiya Conglomerate Member of the Kume Formation behind the Momiya Station of Hitachi Dentetsu Line (altitude about 10 m height) at Minami-Koya 2 chome, Ishinazaka-cho, Hitachi City.

Figs. 3-4. Unconformity between the Pliocene Momiya Conglomerate of the Kume Formation and the Pre-Tertiary basement rocks (arrow mark) at about 500 m west of the Mayumijinjya Shrine (altitude about 270 m height), Kamezaku-cho, Hitachiota City, (Bs; basement rocks, Mc; Momiya Conglomerate Member of the Kume Formation).

Fig. 5. Unconformity between the Pliocene Momiya Conglomerate of the Kume Formation and the Pre-Tertiary basement rocks (arrow mark) at about 50 m southwest of the Akabane Tekko Danchi in Ishinazaka-cho, Hitachi City, (Bs; basement rocks, Mc; Momiya Conglomerate Member of the Kume Formation).

Fig. 6. The Momiya Conglomerate Member at Suimon, Hitachiota City showing angular cobble-sized gravels.



Explanation of plate 4

- Fig. 1. Boring shell-bearing cobble-sized gravel of the Momiya Conglomerate Member at about 500 m northwest of the Mayumijinjya Shrine (altitude about 280 m height) in Kamezaku-cho, Hitachiota City.
- Fig. 2. Boring shell-bearing cobble-sized gravel of the Momiya Conglomerate Member at the type locality (altitude about 40 m height), Ishinazaka-cho, Hitachi City.
- Fig. 3. Boring shell-bearing angular cobble-sized gravel of the Momiya Conglomerate Member at the about 250 m east of Suimon (altitude about 30 m height), Omori-cho, Hitachiota City.
- Figs. 4-5. The Momiya Conglomerate Member around the type locality showing rounded pebble to cobble-sized gravels.
- Fig. 6. Stratigraphic boundary (arrow mark) of the Momiya Conglomerate Member and siltstone of the Kume Formation, at Ishinazaka, Ishinazaka-cho, Hitachi City, (Mc; Momiya Conglomerate Member, Ku; Kume Formation).

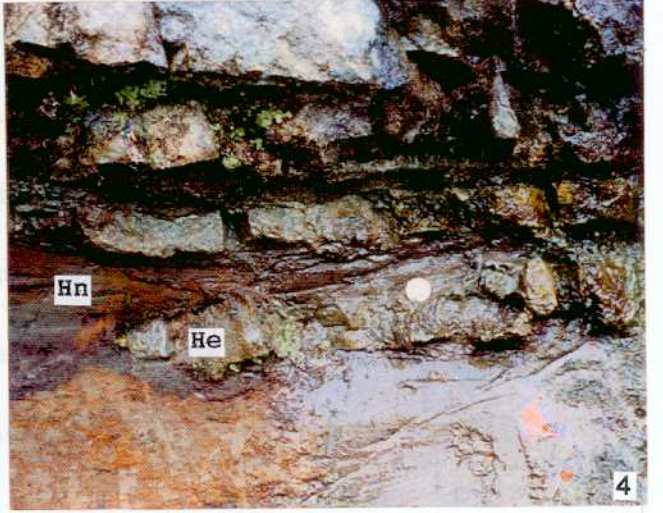
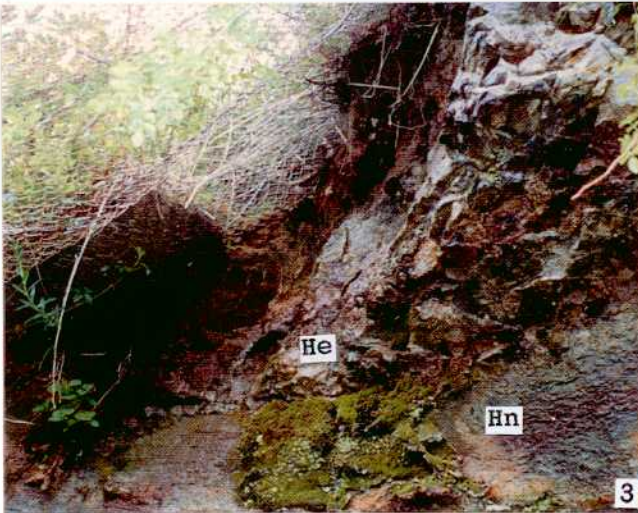


Hitchinaka City.



Explanation of plate 5

- Fig. 1. Type locality of the late middle Miocene Hitachinaka Formation at the Kamaagejinjya Shrine, Hetano, Hitachinaka City.
- Fig. 2. Outcrop of pumice-dominant tuff with many brecciated siltstone in the Hitachinaka Formation at Hetano, Hitachinaka City.
- Fig. 3. Outcrop of the late middle Miocene Hetano Tuff member of the Hitachinaka Formation at south margin of the Ajigaura Beach, Ajigaura, Hitachinaka City, (Hn; Hitachinaka Formation, He; Hetano Tuff Member).
- Fig. 4. Interfingering structure of the Hetano Tuff Member and the Hitachinaka Formation at south margin of the Ajigaura Beach, Ajigaura, Hitachinaka City, (Hn; Hitachinaka Formation, He; Hetano Tuff Member).
- Fig. 5. Accretinal lapilli recognized in the late middle Miocene Kawarago Formation at Mizuki, Mizuki-cho, Hitachi City.
- Fig. 6. Outcrop of pumiceous tuff in the late middle Miocene Urizura Formation, at about 300 m southeast of Aoki, Kanasago-machi, Kuji-gun.



Explanation of plate 6

- Figs. 1-2. Sheared zone and fault in the Pliocene Kume Formation at
About 400 m southwest of Nagai, Nukada-Togo, Naka-machi,
Naka-gun.
- Fig. 3. Echinoid fossil locality of the Pliocene Muramatsu Formation
at Muramatsu, Tokai-mura, Naka-gun (Loc. no. 26).
- Fig. 4. Echinoid fossil locality of the Pliocene Muramatsu Formation
at Muramatsu, Tokai-mura, Naka-gun (Loc. no. 35).
- Fig. 5. Echinoid fossil locality of the Pliocene Kume Formation at
Kume, Kanasago-machi, Kuji-gun (Loc. no. 19).
- Fig. 6. Echinoid fossil locality of the Pliocene Muramatsu Formation
at Muramatsu, Tokai-mura, Naka-gun (Loc. no. 32).



Explanation of plate 7

- Fig. 1. Echinoid fossil locality of the Pliocene Hatsuzaki Sandstone Member of the Hitachi Formation at the Trurushimisaki Cape, Hitachi City (Loc. no. 37).
- Fig. 2. Echinoid fossil locality of the Pliocene Hatsuzaki Sandstone Member of the Hitachi Formation at Takaiso, Hitachi City (Loc. no. 39).
- Fig. 3. Echinoid fossil locality of the middle Miocene Tatsukuroiso Mudstone Member of the Higashikanasayama Formation at Tatsukuroiso, Suifu-mura, Kuji-gun (Loc. no. 15).
- Fig. 4. Echinoid fossil locality of the Pliocene Kume Formation at Satake, Hitachiota City (Loc. no. 21).
- Fig. 5. Echinoid fossil locality of the early middle Miocene Naeshiroda Formation at Shimoyazawa, Daigo-machi, Kuji-gun (Loc. no. 11).
- Fig. 6. Echinoid fossil locality of the early middle Miocene Naeshiroda Formation at Tatsugami, Daigo-machi, Kuji-gun (Loc. no. 08).



Explanation of plate 8

Figs. 1a-2c. *Echinocyamus crispus* Mazzetti, x 5.0 . . . p. 143

Fig. 1a. aboral side; 1b. oral side; 1c. lateral side; IGUT.

no. 14522.

Fig. 2a. aboral side; 2b. oral side; 2c. lateral side; IGUT.

no. 14523.

Figs. 3a-4b. *Scaphechinus* cf. *mirabilis* A. Agassiz, x 4 . . . p. 147

Fig. 3a. aboral side; 3b. oral side; 3c, lateral side; IGUT.

no. 14524.

Figs. 4a. aboral side; 4b. oral side; IGUT. no. 14525.

Figs. 5a-c. *Temnotrema rubrum* (Döderlein), x 4.0 . . . p. 140

Fig. 5a. aboral side; 5b. oral side; 5c. lateral side; IGUT.

no.14521.

Figs. 6-7. *Anthocirais* sp. p. 138

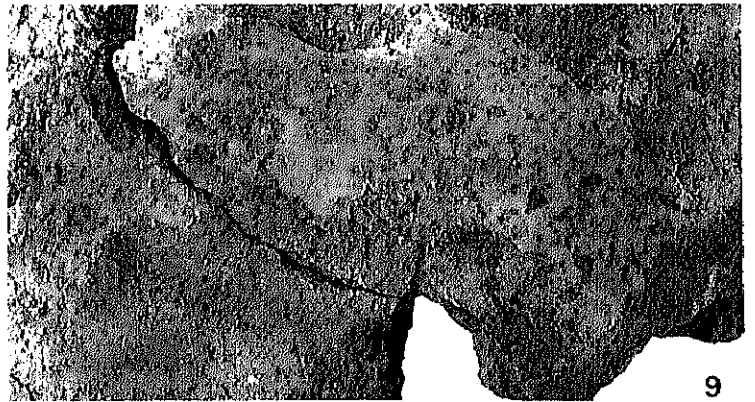
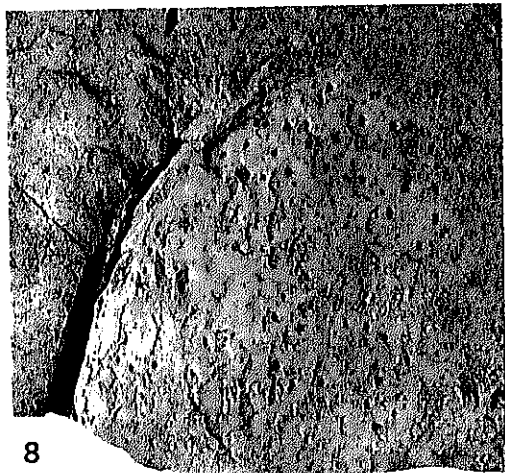
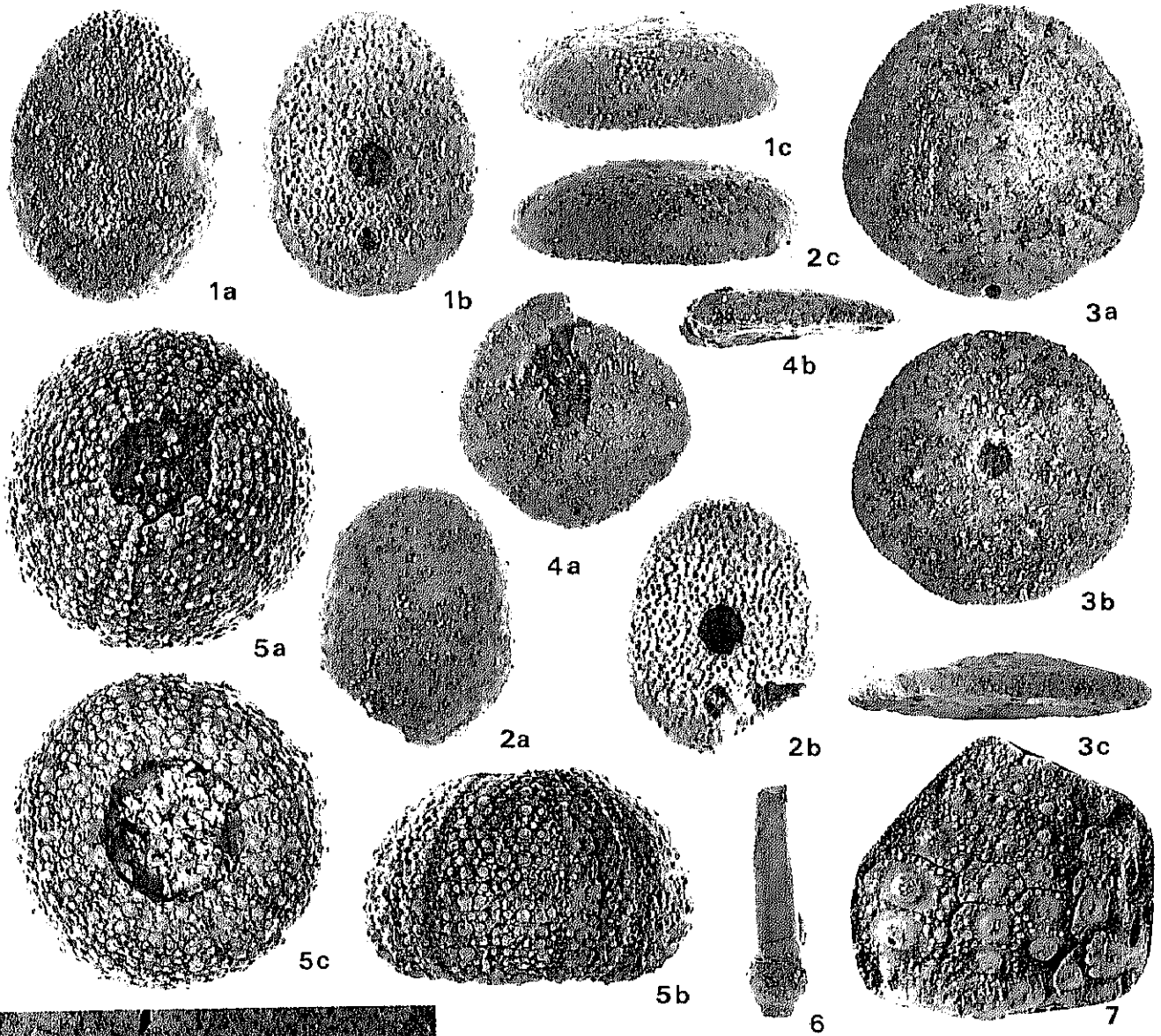
Fig. 6. x 1.5, primary spine; IGUT. no. 14519; Fig. 7. x 2.0,

lateral side (external mold by rubber); IGUT. no. 14520.

Figs. 8-9. Echinothuriidae gen. et sp. indet. . . . p. 135

Fig. 8. x 1.0, aboral side (internal mold); IGUT. no. 14517;

Fig. 9. x 1.5, oral side; IGUT. no. 14518.

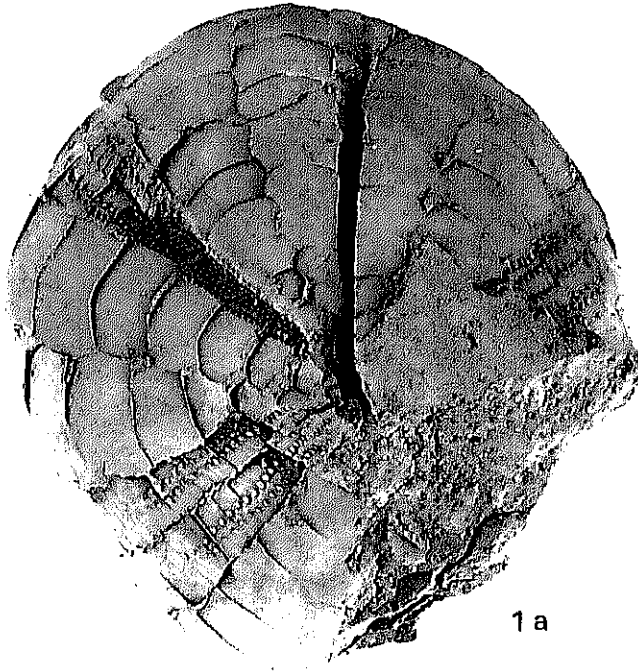


Explanation of plate 9

Figs. 1a-2b. *Palaeopneustes psoidoperidus* Nishio, x 0.8

. p. 153

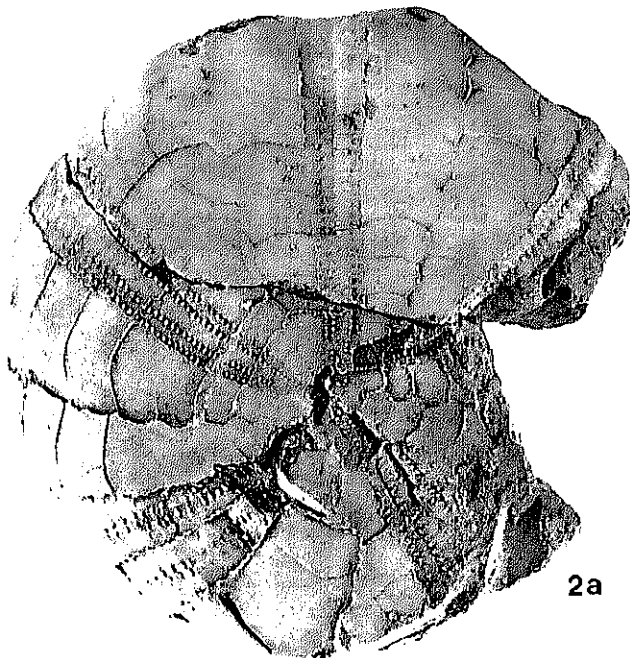
Fig. 1a. aboral side (internal mold); 1b. oral side (internal mold); IGUT. no. 14632; Fig. 2a. aboral side (internal mold); Fig. 2b. oral side (internal mold); IGUT. no. 14533.



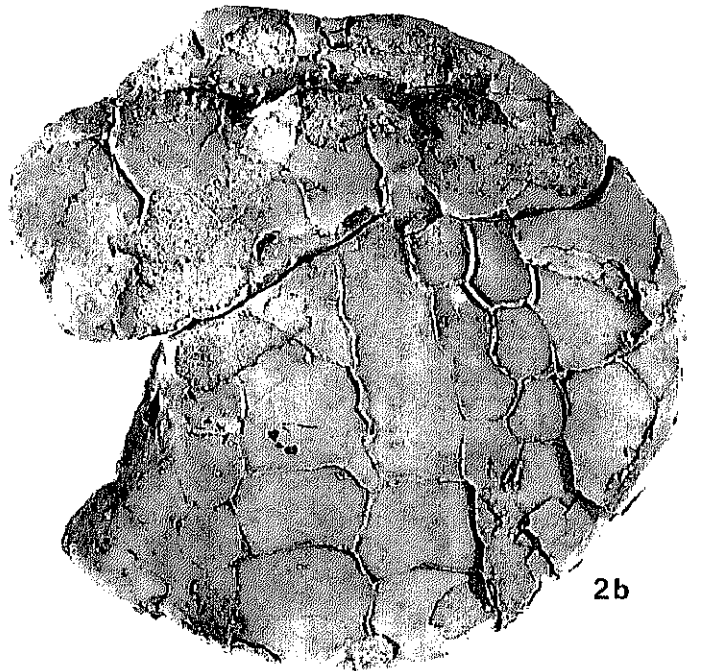
1a



1b



2a



2b

Explanation of plate 10

Figs. 1a-3. *Pourtalesia kusachii* n. sp. p. 149

Fig. 1a. x 2.0, aboral side (internal mold); 1b. x 8.0, close up view of apical part (internal mold); Paratype, IGUT.

no. 14527: 2a-b. x 2.5; right lateral side (external mold by rubber); Holotype, IGUT. no. 14526: Fig. 3. x 2.5, left lateral side (internal mold); IGUT. no. 14528.

Figs. 4-6. Gregarious specimens (internal mold) of *Palaeopneustes psoidoperidus* Nishio, x 0.8, p. 153

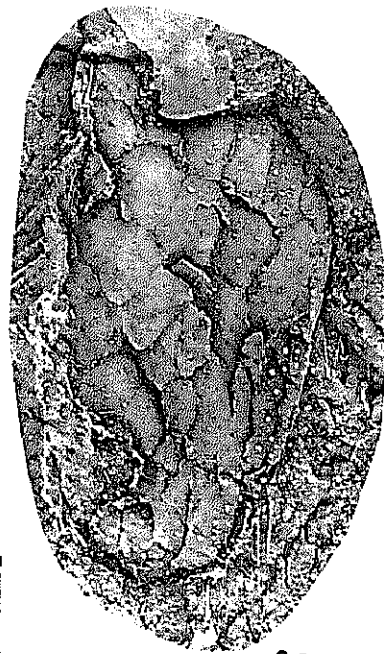
Fig. 5. lateral side; IGUT. no. 14534: Fig. 6. aboral side; IGUT. no. 14535.



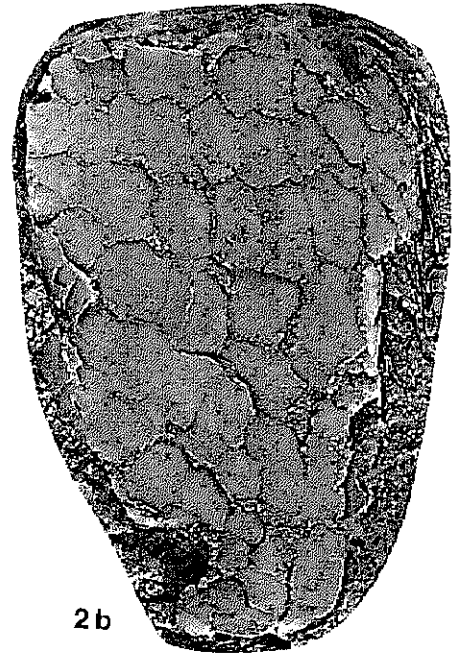
1a



1b



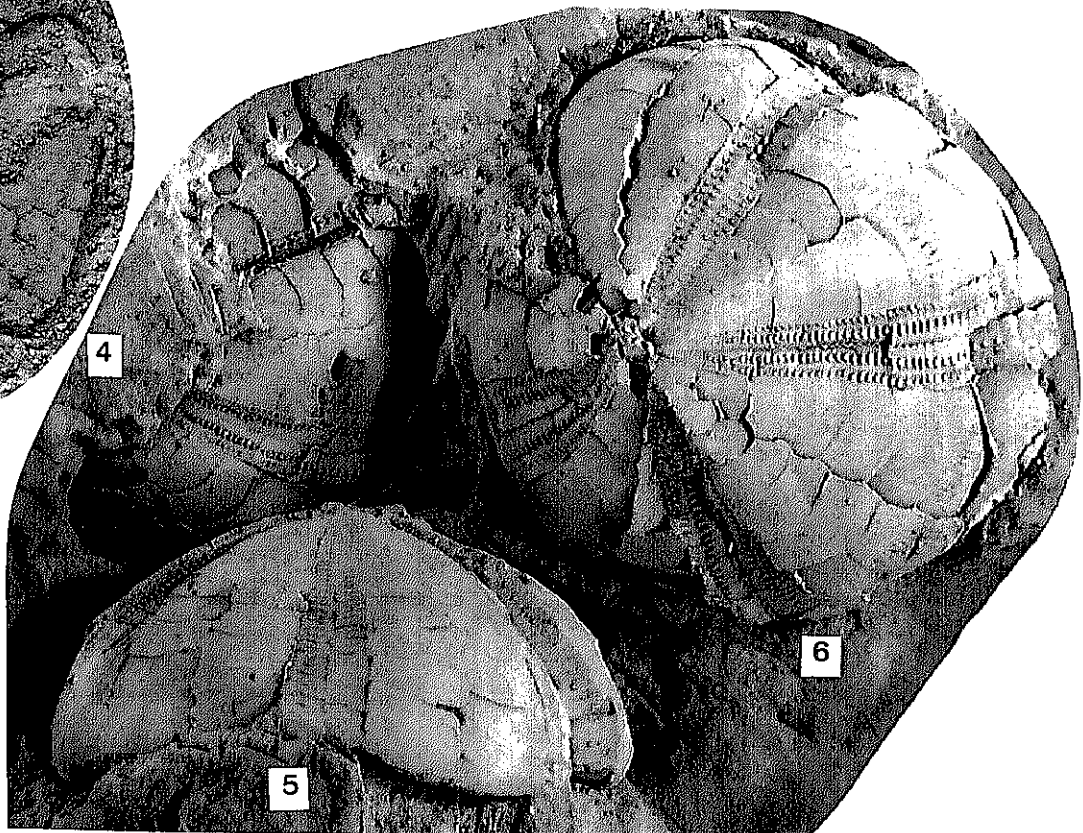
2a



2b



3



4

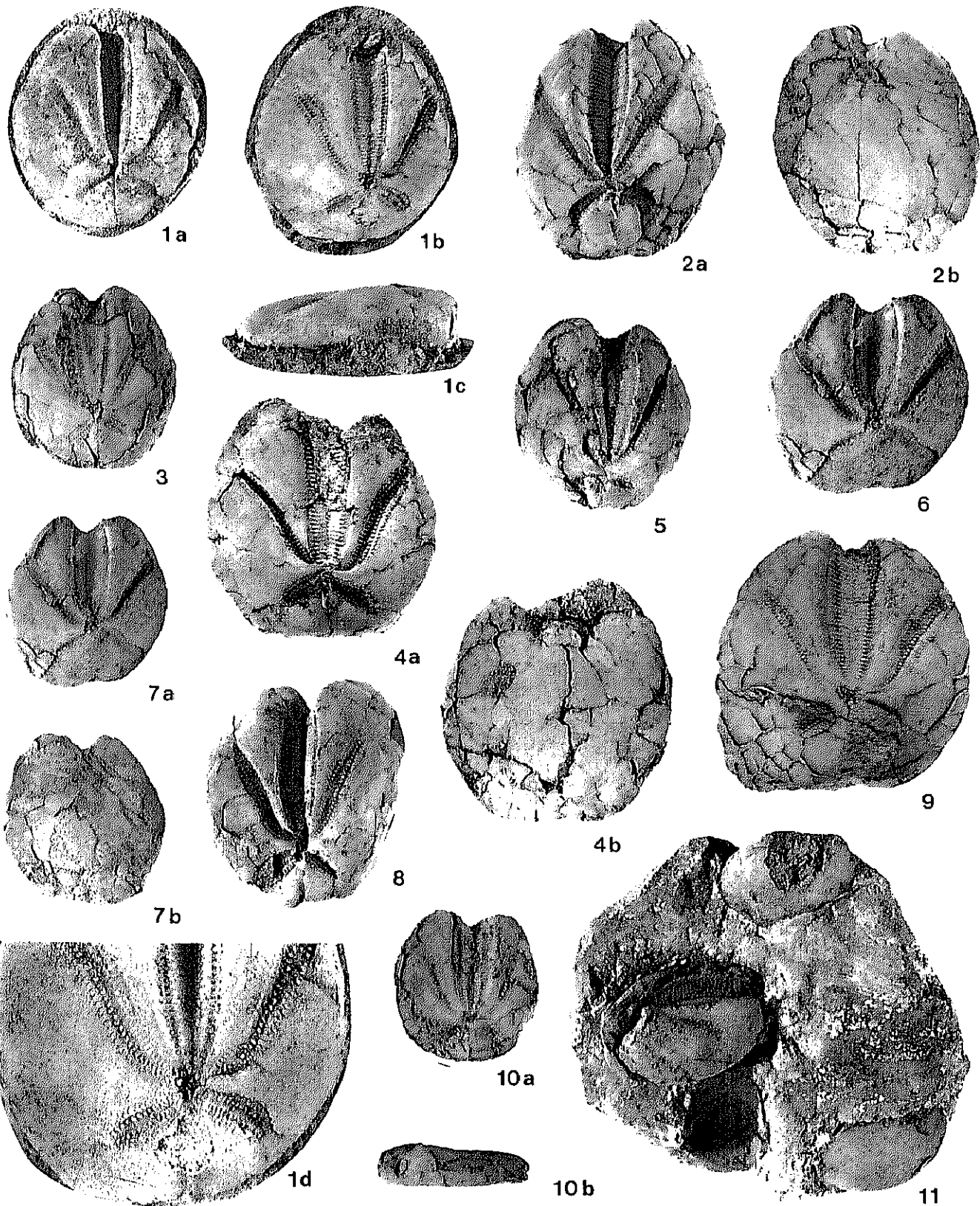
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6

Explanation of plate 11

Figs. 1a-11. *Brisaster owstoni* Mortensen p. 179

Figs 1a-c. x 1.0; 1a. aboral side (external mold by rubber);
1b. aboral side (internal mold); 1c. lateral side (internal
mold); 1d. x 2.0, close up view of apical part; IGUT. no. 14549:
Figs. 2a-b. x 1.0; 2a. aboral side (internal mold); 2b. oral
side (internal mold); IGUT. no. 14550: Fig. 3. x 1.0, aboral
side (internal mold); IGUT. no. 14554: Figs. 4a-b. x 1.0; 4a.
aboral side (internal mold); 4b, oral side (internal mold);
IGUT. no. 14551: Fig. 5. x 1.0, aboral side (internal mold);
IGUT. no. 14554: Fig. 6. x 1.0, aboral side (internal mold);
IGUT. no. 14558: Figs. 7a-b. x 1.0; 7a. aboral side (internal
mold); 7b. oral side (internal mold); IGUT. no. 14553: Fig.
8. x 1.0, aboral side (internal mold); IGUT. no. 14552: Fig.
9. x 1.0, aboral side (internal mold); IGUT. no. 14556: Figs.
10a-b. x 1.0; 10a. aboral side (internal mold); 10b.lateral
side (internal mold); IGUT. no. 14557: Fig. 11. x 1.0,
gregarious occurrence specimens; IGUT. no. 14559.



Explanation of plate 12

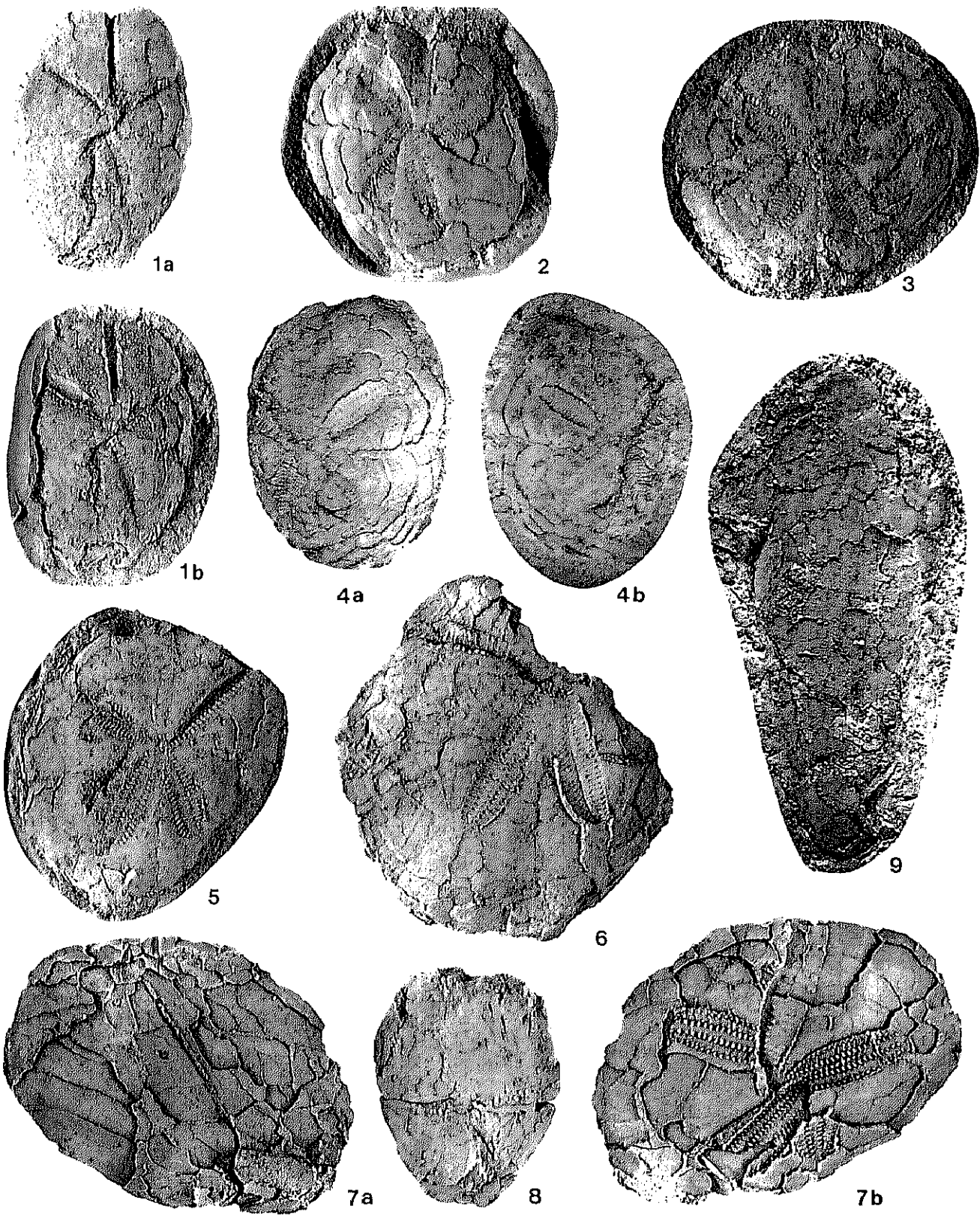
Figs. 1a-b, 6, 8. *Brissopsis kajiiwarai* n. sp. . . . p. 210

Figs. 1a-b. x 1.0; 1a. aboral side (internal mold); 1b. aboral side (external mold by rubber); Holotype, IGUT. no. 14575: Fig. 6. x 1.0, aboral side (internal mold); IGUT. no. 14574: Fig. 8. x 2.0, oral side (internal mold); IGUT. no. 14578.

Figs. 2-5, 7a-b. *Brissopsis daigoensis* n. sp. . . . p. 200

Fig. 2. x 1.0, aboral side (external mold by rubber); IGUT. no. 14569: Fig. 3. x 1.2, aboral side; Holotype, IGUT. no. 14567 : Figs. 4a-b. x 1.2 ; 4a. aboral side; 4b. x 1.2, aboral side (external mold by rubber); IGUT. no. 14570: Fig. 5. x 1.2, aboral side (internal mold by rubber); Paratype, IGUT. no. 14568: Figs. 7a-b. x 1.0; 7a. oral side (internal mold); 7b. aboral side (internal mold); IGUT. no. 14571.

Fig. 9. *Pourtalesia kusachii* n. sp., x 3.0, left lateral side (internal mold); IGUT. no. 14529. p. 149



Explanation of plate 13

Figs. 1,6a-c. *Brissopsis daigoensis* n. sp. p. 200

Figs. 1.x 1.0, aboral side (internal mold); IGUTU. no. 14572:

Figs. 6a-c. x 1.0; 6a. oral side (internal mold); 6b. aboral side (internal mold); 6c. right lateral side (internal mold);

IGUT. no. 14573.

Figs. 2a-5b, 7a-b. *Brissopsis kajiiwarai* n. sp. p. 210

Figs. 2a-2b. x 1.0; 2a. posterior side (internal cast); 2b.

posterior side (internal mold); IGUT. no. 14579: Fig. 3.

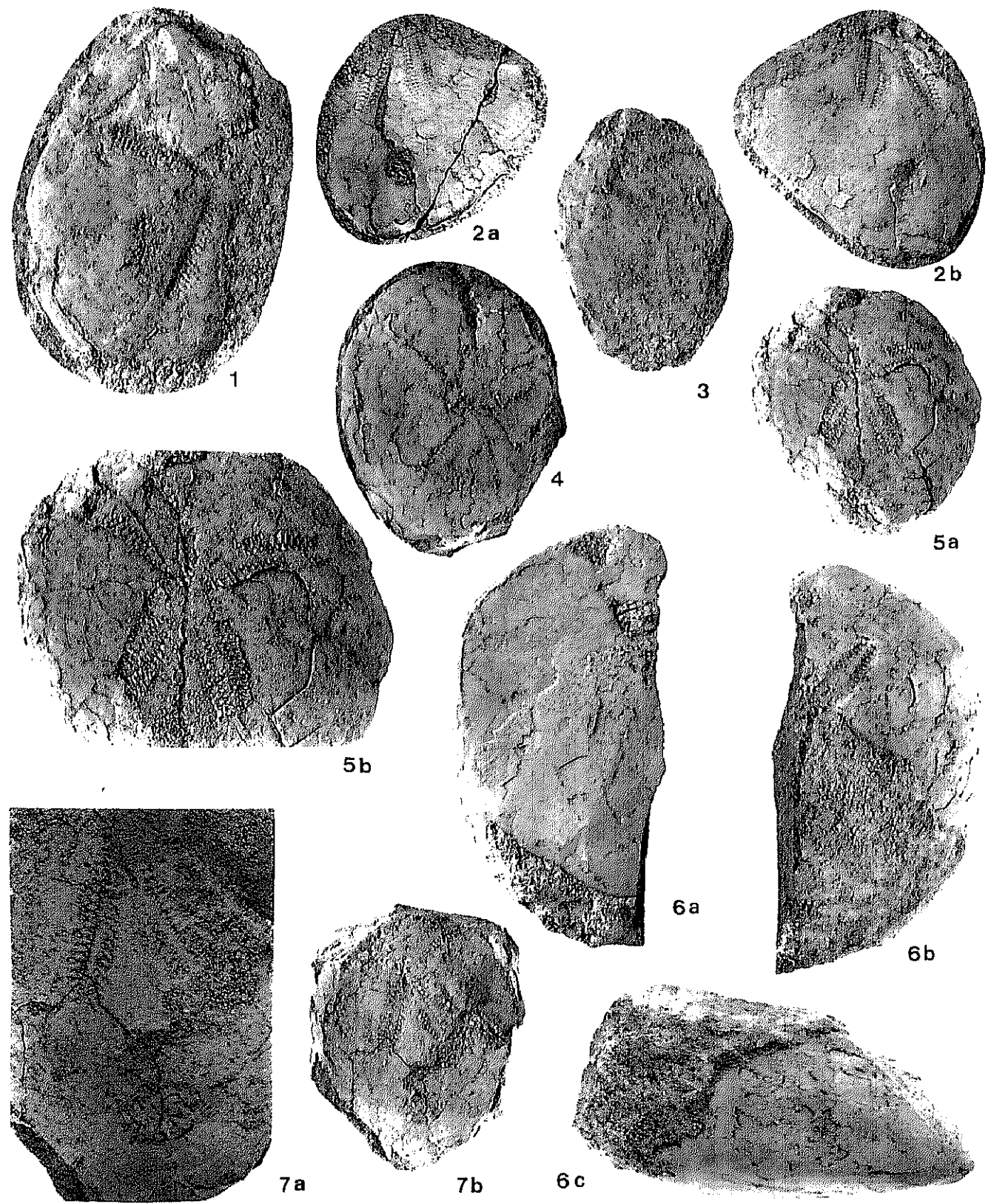
x 1.0, aboral side (internal mold); IGUT. no. 14580: Fig. 4.

x 1.0, aboral side; IGUT. no. 14581: Fig. 5a. x 1.0, 5a. aboral

side (internal mold); 5b. x 2.0, close up view of aboral side;

IGUT. no. 14582: Fig. 7a. x 2.0, close up view of posterior

part;7b. aboral side; IGUT. no.14583.



Explanation of plate 14

Figs. 1a-b, 5. *Brissopsis* sp. p. 216

Fig. 1a. x 1.5, close up view of oral side (internal cast);

1b. x 1.0, oral side (internal mold by rubber); IGUT. no.
14584:

Fig. 5. x 1.5, oral side (internal mold); IGUT. no. 14585.

Figs. 2a-b, 4. *Brissopsis kajiiwarai* n. sp. p. 210

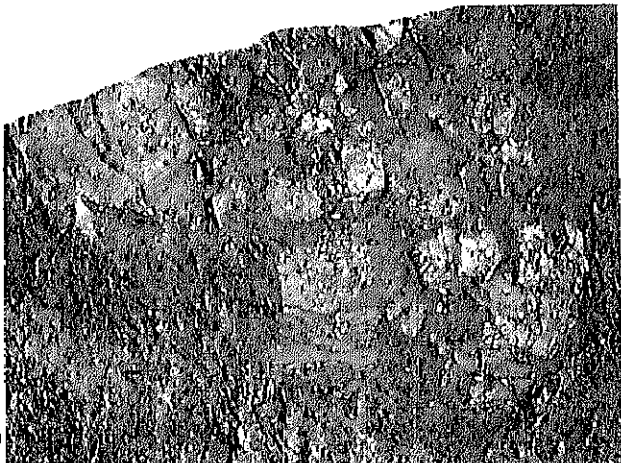
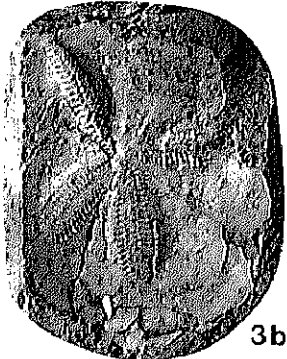
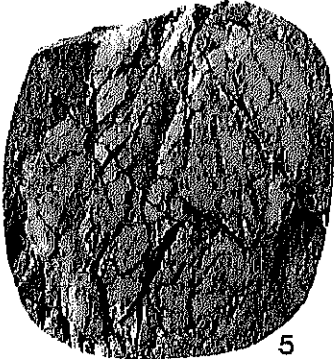
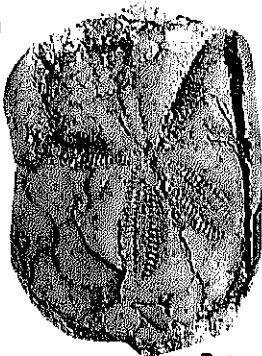
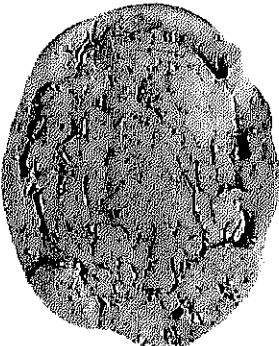
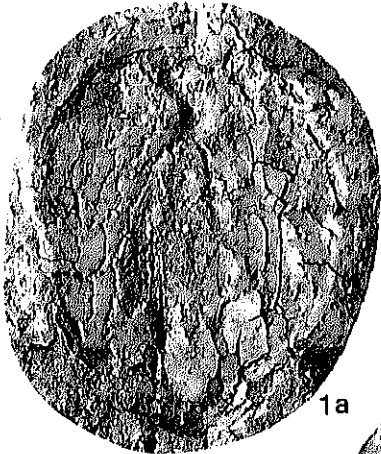
Figs. 2a-b. x 1.0; 2a. aboral side (internal mold); Paratype,

IGUT. no. 14576: Fig. 4. x 1.0, aboral side (internal mold);

IGUT. no. 14577.

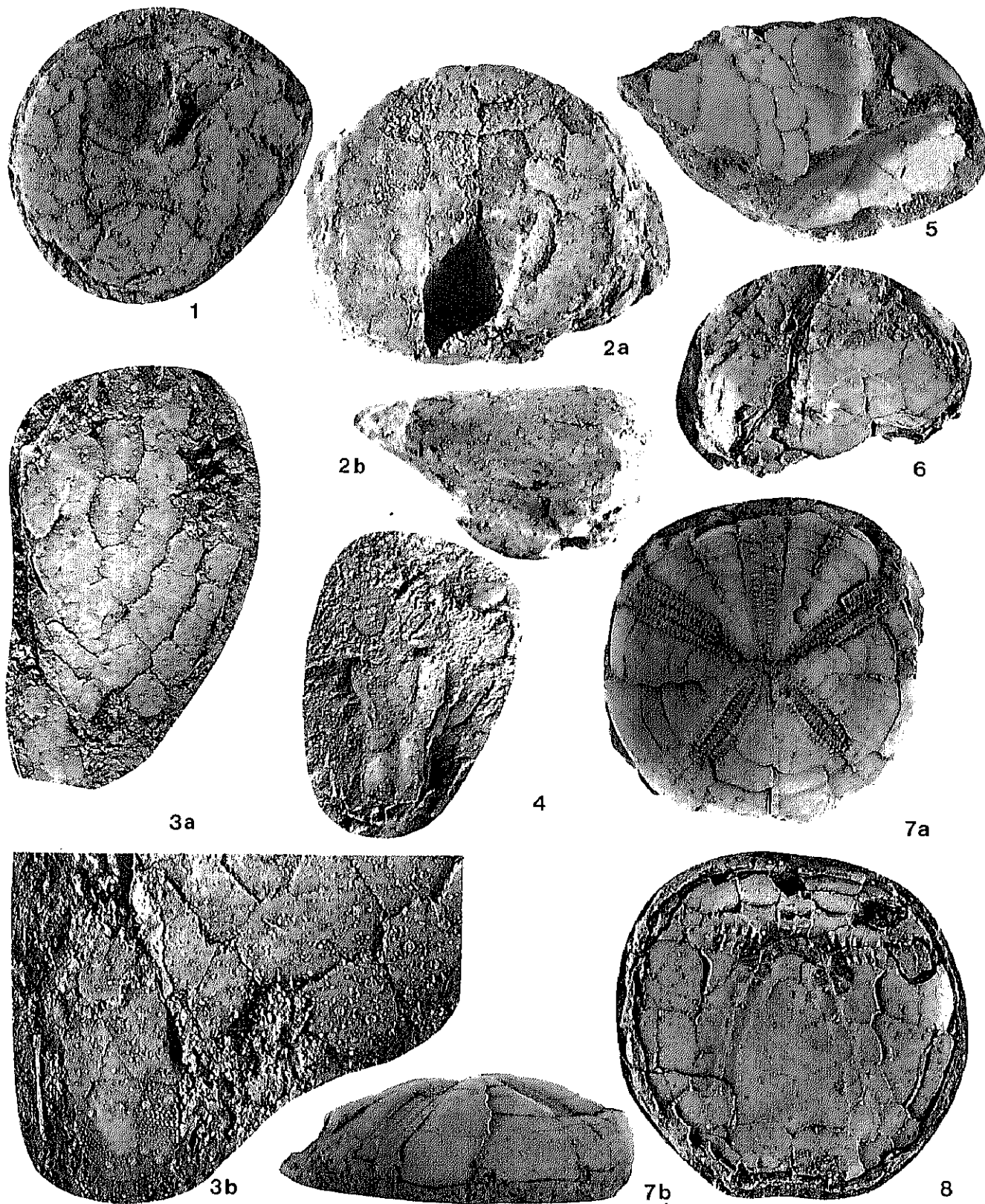
Figs. 6a-b. Schizasteridae gen. et sp. indet., x 1.5; IGUT.

no. 14587 p. 191



Explanation of plate 15

- Figs. 1, 2a-b. *Aceste* sp. p. 158
Fig. 1. x 6.0, aboral side (internal mold); IGUT. no. 14536:
Figs. 2a-b. x 8.0, 2a. aboral side (internal mold); 2b. left
lateral side (internal mold); IGUT. no. 14537.
- Figs. 3a-4. *Pourtalesia kusachii* n. sp. p. 149
Fig. 3a. x 3.0, lateral side (external mold by rubber); 3b.
x 8.0, close up view of posterior part; IGUT. no. 14530: Fig.
4. x 3.0, aboral side (external mold by rubber); IGUT. no.
14531.
- Figs. 5-6. *Linthia* sp., x 1.0. p. 171
Fig. 5. oral side (internal cast); IGUT. no. 14544: Fig. 6.
aboral side (internal mold); IGUT. no. 14545.
- Figs. 7a-b, 8. *Linthia tokunagai* Lambert, x 1.0. . . . p. 167
Fig. 7a. aboral side (internal mold); 7b. left lateral side
(internal mold); IGUT. no. 11025-5: Fig. 8. oral side (internal
mold); IGUT. no. 11024-12.

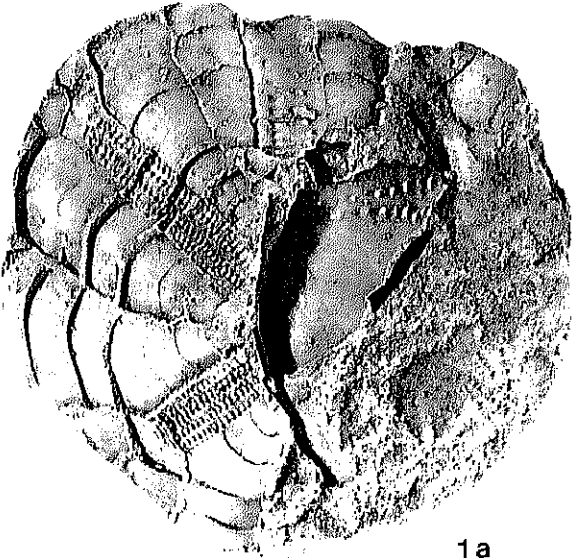


Explanation of plate 16

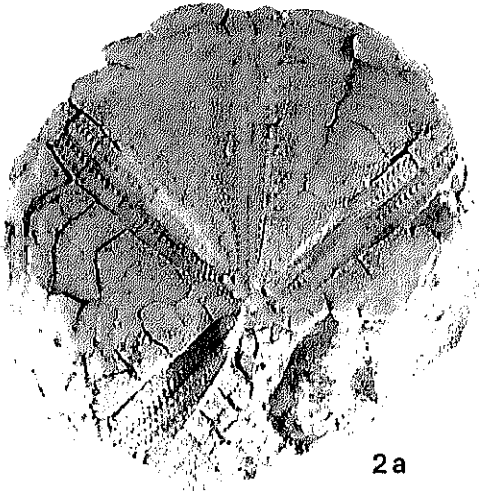
Figs. 1a-3. *Linthia nipponica* Yoshiwara, x 1.0. . . . p. 162

Fig. 1a. aboral side (internal mold); 1b. aboral side
(external mold by rubber); 1c. oral side (internal mold); IGUT.
no. 14539:

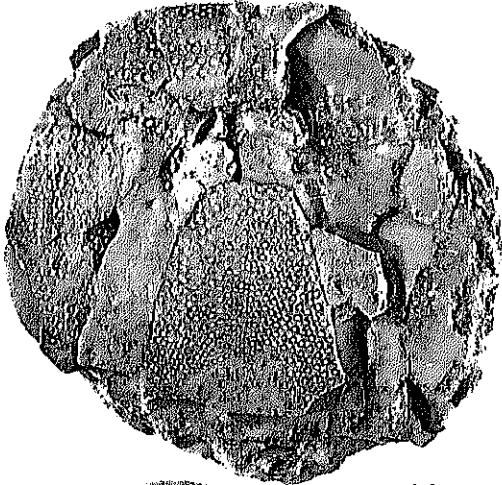
Fig. 2a. aboral side; 2b. oral side; IGUT. no. 14538; Fig.
3. lateral side (external mold by rubber); IGUT. no. 14540.



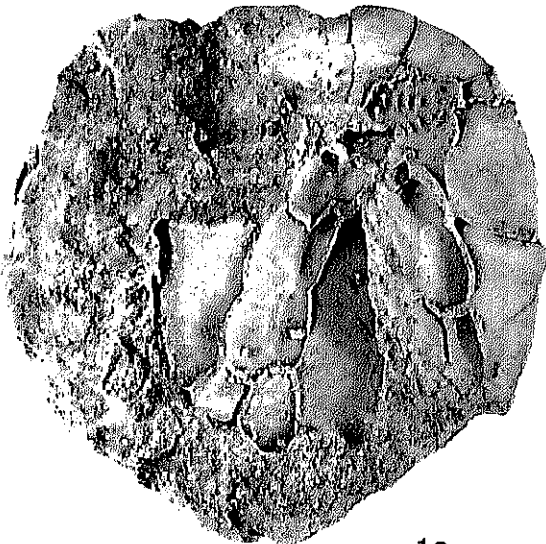
1a



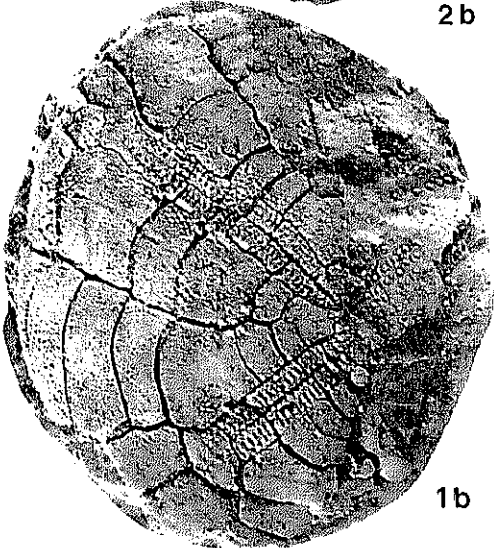
2a



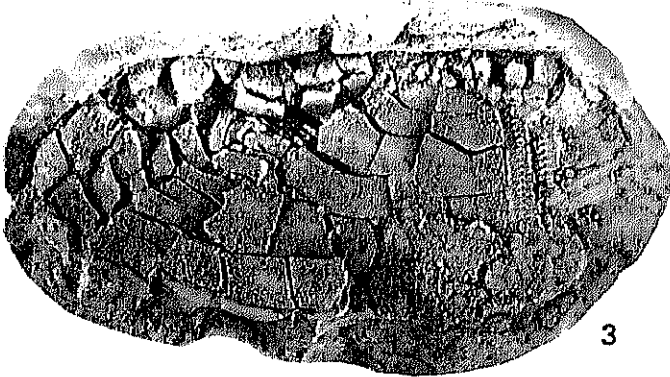
2b



1c



1b



3

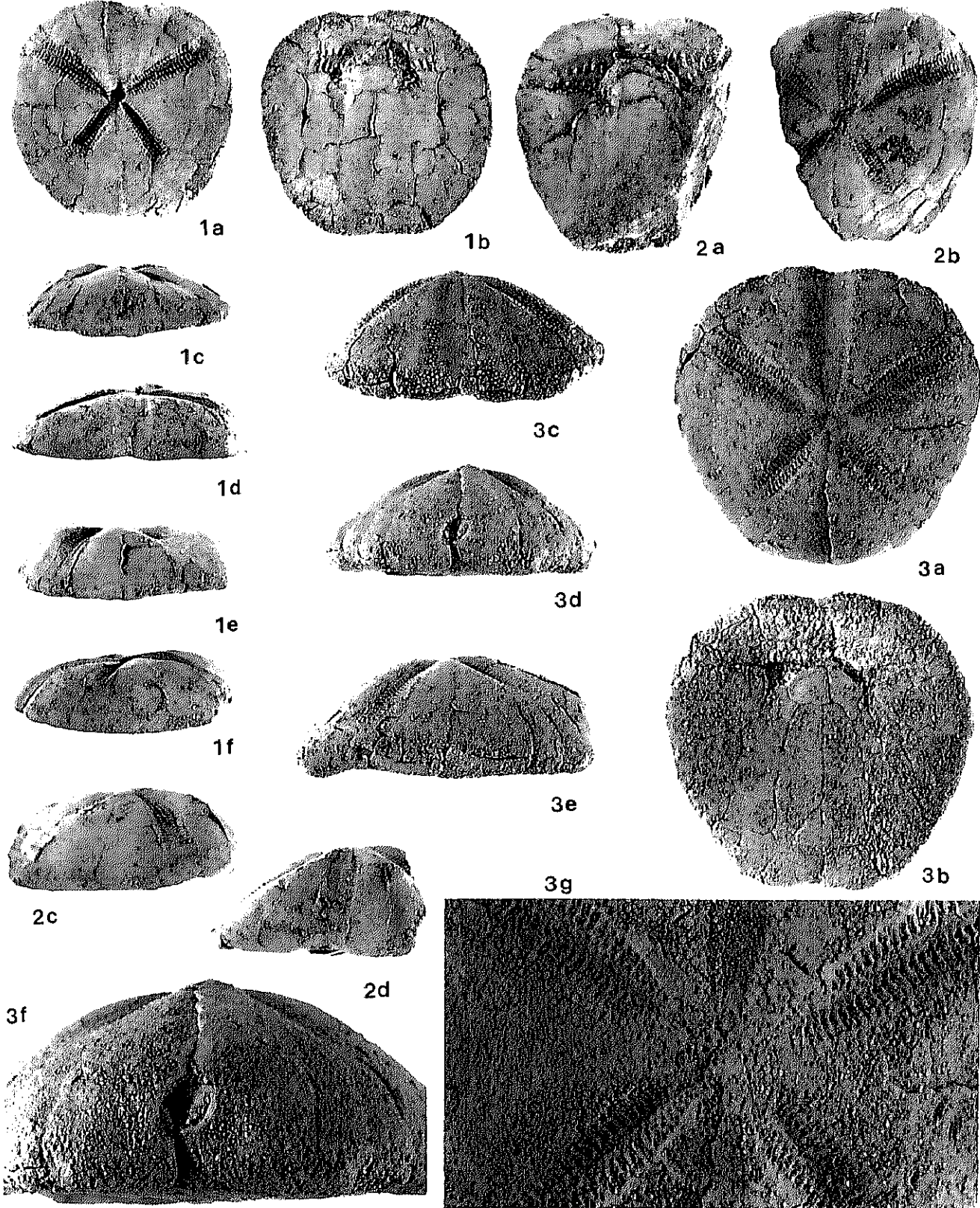
Explanation of plate 17

Figs. 1a-f. *Lutetiaster ogasawarai* n. sp., x 1.2. . . . p. 172

Fig. 1a. aboral side (internal mold); 1b. oral side (internal mold); 1c. posterior side (internal mold); 1d. anterior side (internal mold); 1e. right lateral side (internal mold); 1f. left lateral side (internal mold); IGUT. no. 14548-2.

Figs. 2a-3g. *Nodaster watanabei* n. gen. et n. sp. . . . p. 193

Figs. 2a-d. x 1.0; 2a. oral side (internal mold); 2b. aboral side (internal mold); 2c. right lateral side (internal mold); 2d. anterior side (internal mold); IGUT. no. 14565: Figs. 3a-e. x 1.0; 3a. aboral side; 3b. oral side; 3c. anterior side; 3d. posterior side; 3e. left lateral side; 3f. x 3.0, close up view of posterior side; 3g. x 3.0, close up view of apical part; Holotype, IGUT. no. 14563.



Explanation of plate 18

Figs. 1a-d, 4. *Nodaster watanabei* n. gen. et n. sp., x 1.0.

· · · p. 192

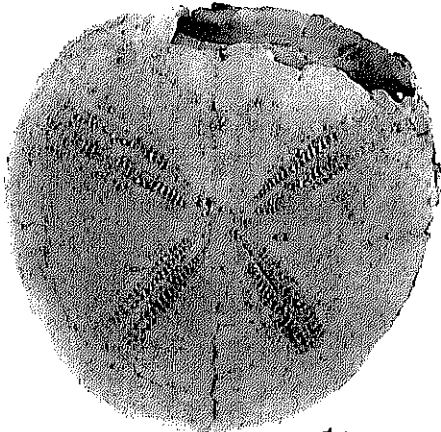
Fig. 1a. aboral side; 1b. oral side; 1c. left lateral side;
1d. posterior side; Paratype, IGUT. no. 14564: Fig. 4. aboral
side; IGUT. no. 14566.

Figs. 2a-3c. *Linthia tokunagai* Lambert, x 1.0. · · · p. 167

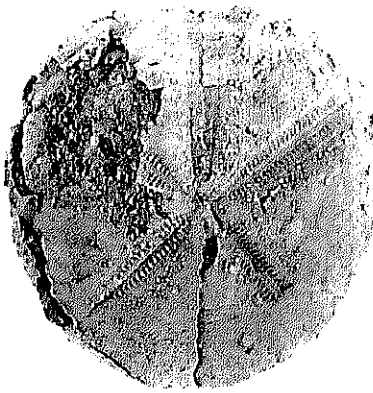
Fig. 2a. aboral side; 2b. right lateral side; 2c. anterior
side; IGUT. no. 14541: Fig. 3a. aboral side; 3b. right lateral
side; 3c. anterior side; IGUT. no. 14542.

Fig. 5. *Linthia nipponica* Yoshiwara, x 1.0, aboral side, IGUT. no.

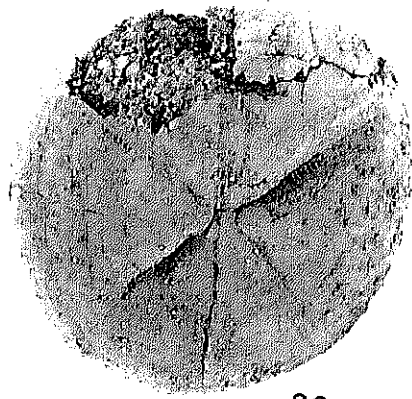
11024-6. · · · · · p. 162



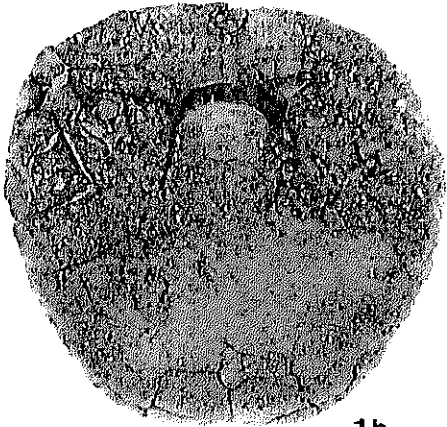
1a



2a



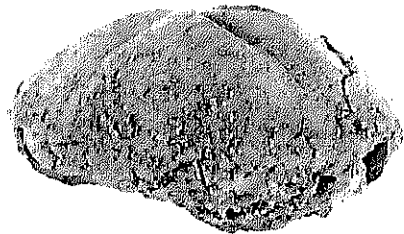
3a



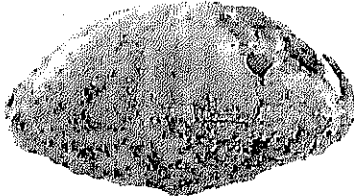
1b



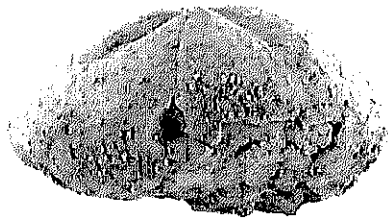
2b



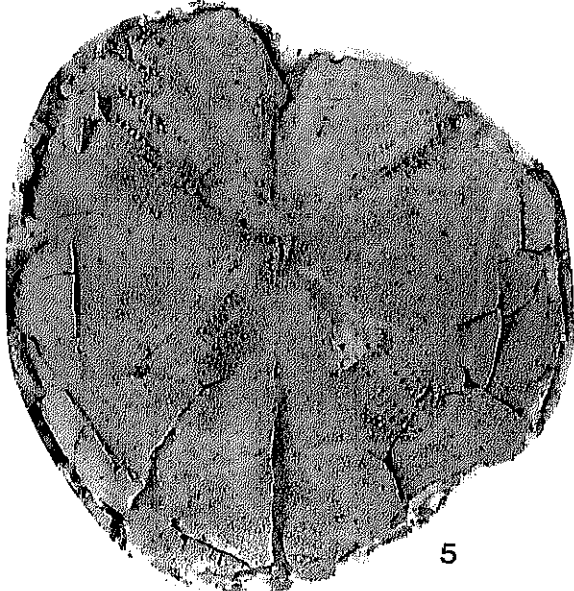
3b



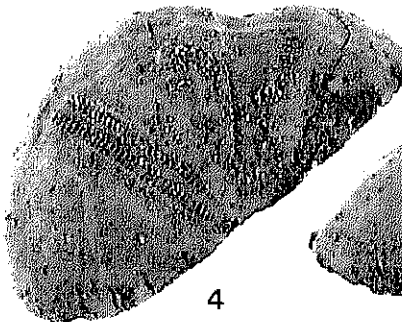
2c



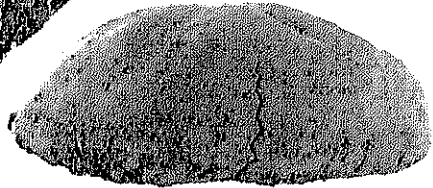
3c



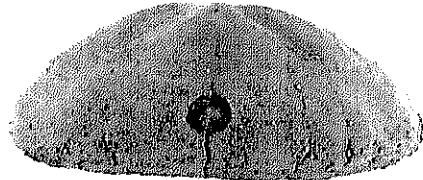
5



4



1c

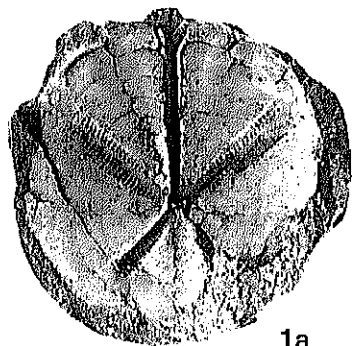


1d

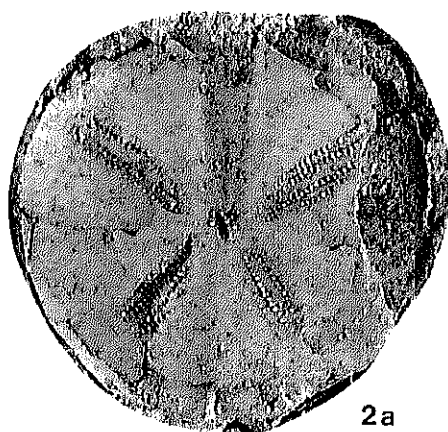
Explanation of plate 19

Figs. 1a-4d. *Lutetiaster ogasawarai* n. sp., x 1.0; 2b. x 1.5; 3f.
x 3.0. p.172

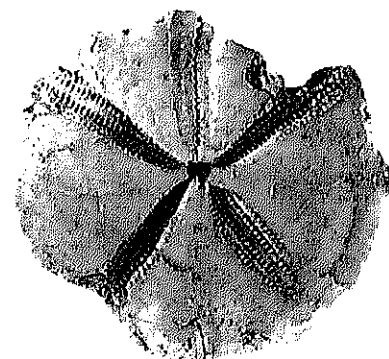
Fig. 1a. aboral side (external mold by rubber); 1b. aboral side (internal mold); IGUT. no. 14548-5; Fig. 2a. aboral side (internal mold); 2b. aboral side (external mold by rubber); IGUT. no. 14548-1; 3a. aboral side (internal mold); 3b. oral side (external mold by rubber); 3c. aboral side (external mold by rubber); 3d. left lateral side (internal mold); 3e. posterior side (internal mold); 3f. close up view of apical part (internal mold); IGUT. no. 14548-6; Fig. 4a. aboral side; 4b. oral side; IGUT. no. 14548-3.



1a



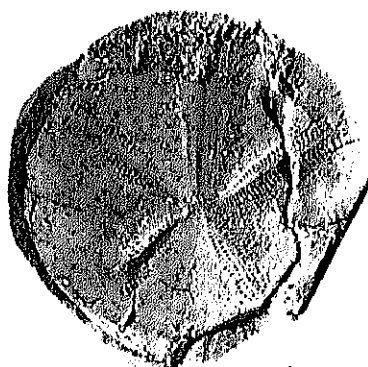
2a



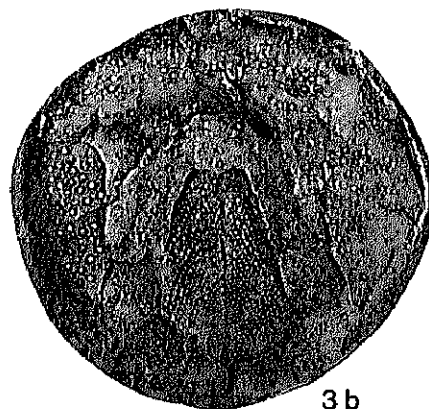
3a



1b



2b



3b



3d



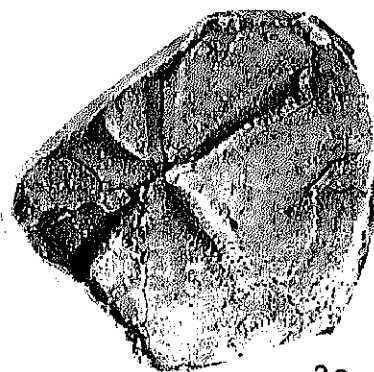
3e



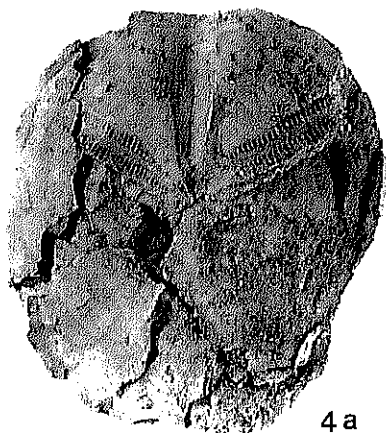
4c



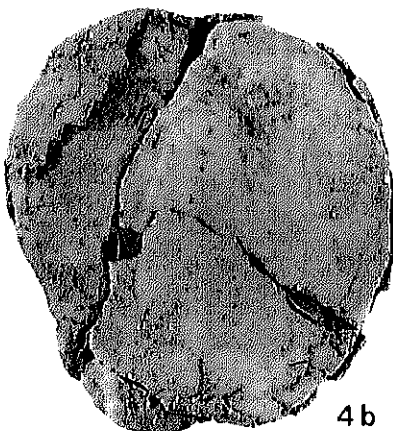
4d



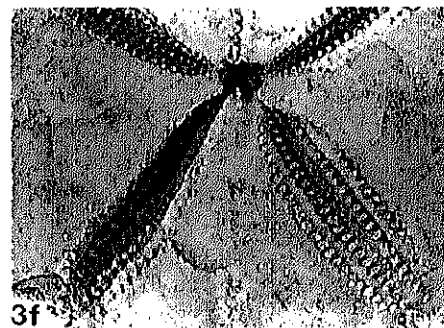
3c



4a



4b



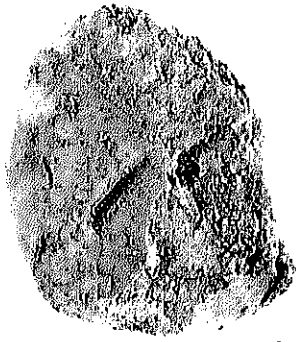
3f

Explanation of plate 20

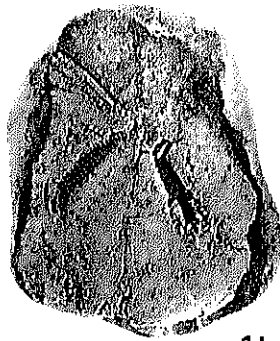
Figs. 1a-6b. *Lutetiaster ogasawarai* n. sp., x 1.0; 3d. x 1.5; 4c.
x 3.0. . . . p. 172

Fig. 1a. aboral side; 1b. aboral side (external mold by
rubber); 1c. posterior side (external mold by rubber); IGUT.
no. 14548-7:

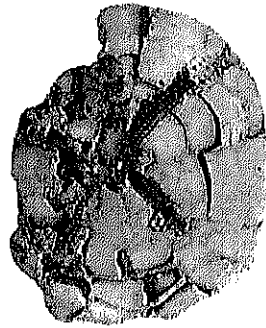
Fig. 2. aboral side (internal mold); IGUT. no. 14548-8: Fig.
3a. aboral side; 3b. oral side; 3c. right lateral side;
3d. posterior side; Paratype, IGUT. no. 14546: 4a. aboral side
(external mold by rubber); 4b. aboral side (internal mold);
4c. close up view of apical part; IGUT. no. 14547: 5a. aboral
side (internal mold); 5b. oral side (internal mold); IGUT.
no. 14548-4: Fig. 6a. aboral side (internal mold); 6b. oral
side (internal mold); IGUT. no. 14548-9.



1a



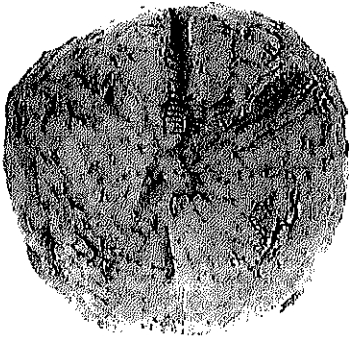
1b



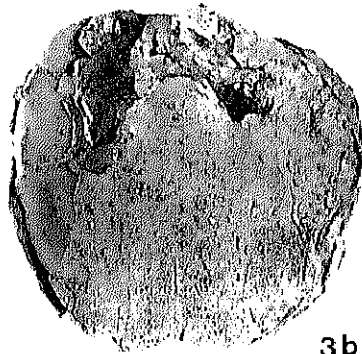
2



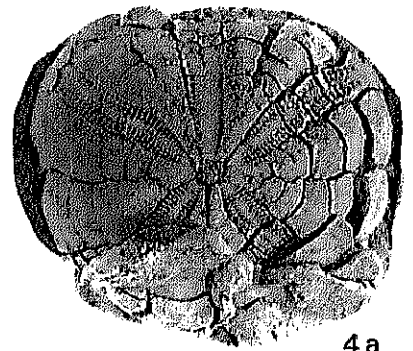
6a



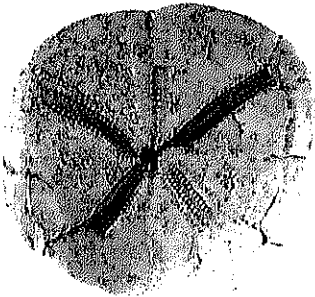
3a



3b



4a



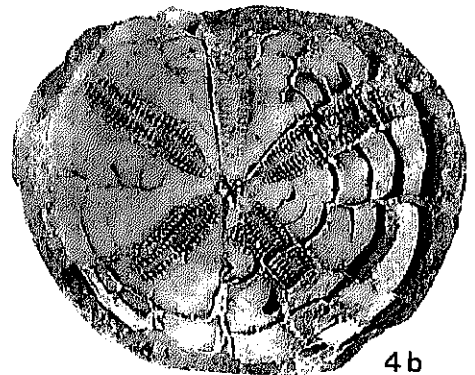
5a



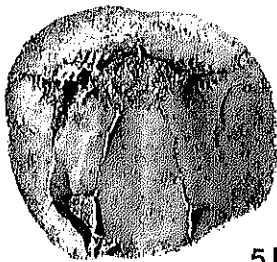
3c



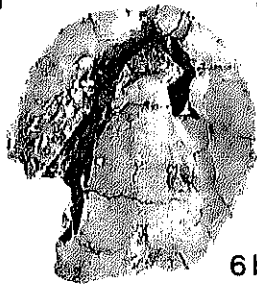
1c



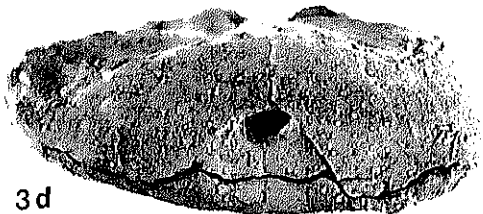
4b



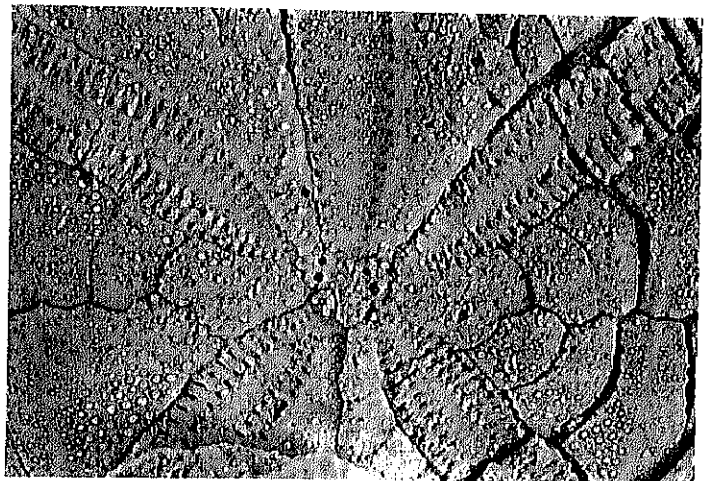
5b



6b



3d



4c

Explanation of plate 21

Figs. 1a-3d. *Nikaidoster tokaiensis* n. gen. et n. sp., x 1.5;

..... p. 180

Fig. 1a. aboral side (internal mold); 1b. oral side (external mold by rubber); 1c. oral side (internal mold); 1d. left lateral side (external mold by rubber); 1e. posterior side (internal mold); 1f. anterior side (internal mold); 1g. left lateral side (internal mold); Holotype, IGUT. no. 14560; Fig.

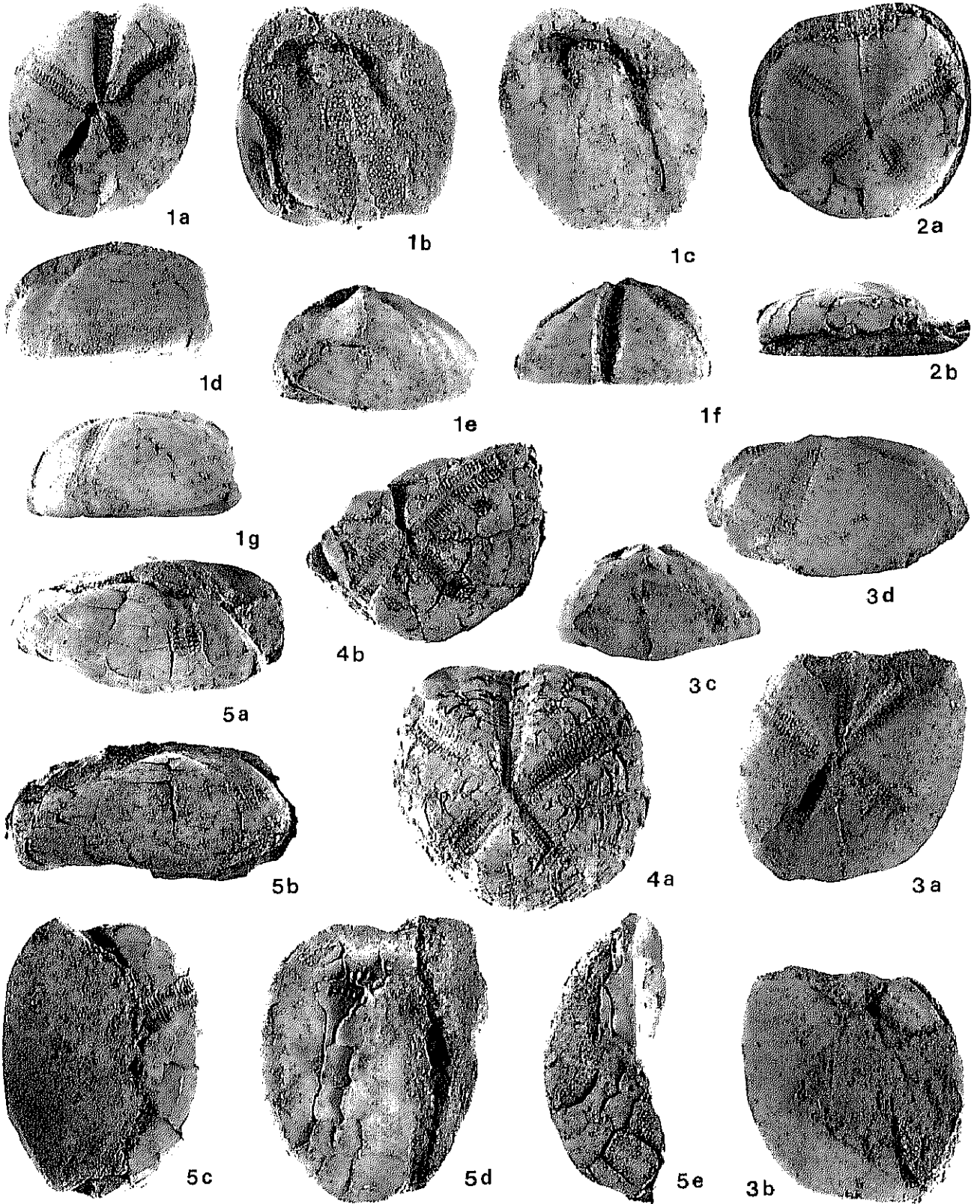
2a. aboral side (internal mold); 2b. right lateral side (internal mold); Paratype, IGUT. no. 14561; Fig. 3a. aboral side (internal mold); 3b. oral side (internal mold); 3c. posterior side (internal mold); 3d. left lateral side (internal mold); IGUT. no. 14562.

Figs. 4a-b. *Linthia tokunagai* Lambert, x 1.0. p. 167

Fig. 4a. aboral side; 4b. aboral side (external mold by rubber); IGUT. no. 14543.

Figs. 5a-e. *Anametalia* sp., x 1.0. p. 218

5a. right lateral side (internal mold); 5b. right lateral side (external mold by rubber); 5c. aboral side (internal mold); 5d. oral side (internal mold); 5e. oral side (external mold by rubber), IGUT. no. 14588.



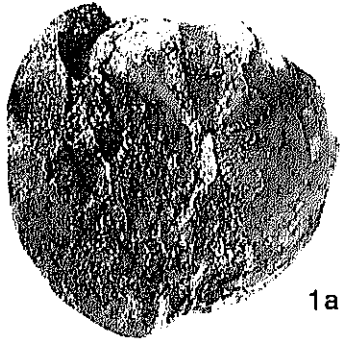
Explanation of plate 22

Figs. 1a-2c. *Brissopatagus* sp., x 1.5; 1e. x 4.0. . . . p. 216

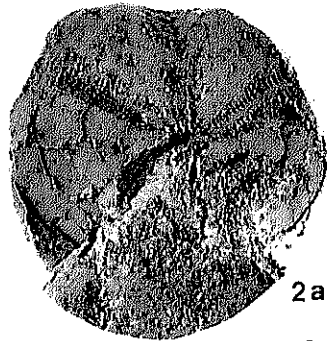
Fig. 1a. aboral side; 1b. oral side; 1c. right lateral side;
1d. anterior side; IGUT. no. 14586: Fig. 2a. aboral side
(internal mold); 2b. oral side (internal mold); 2c. anterior
side (internal mold); IGUT. no. 14587.

Fig. 3. Gregarious specimens of *Lutetiaster ogasawarai* n. sp., x 1.5;

IGUT. no. 14548-10. p. 172



1a



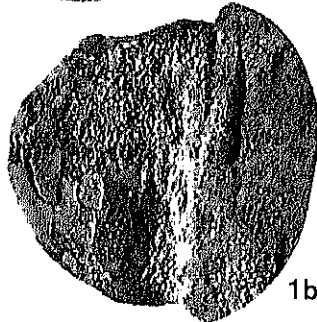
2a



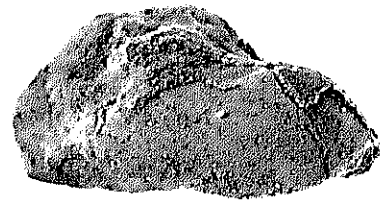
2b



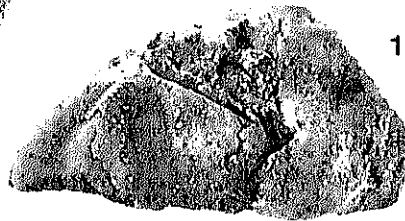
1e



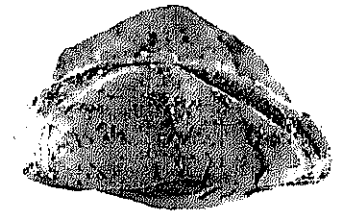
1b



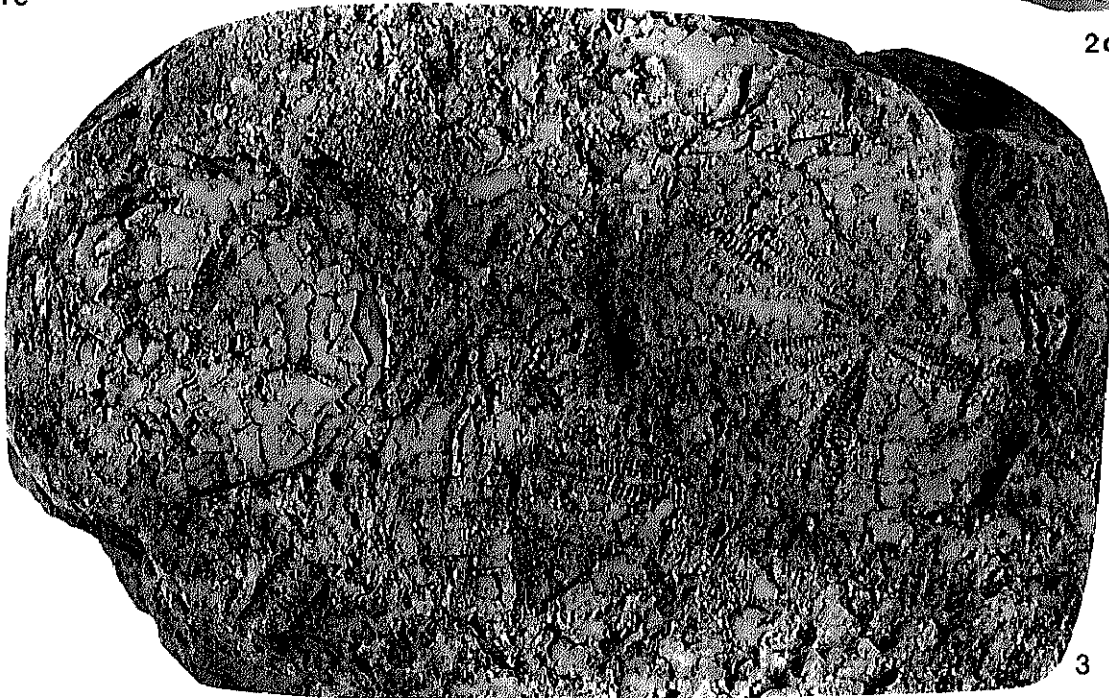
1c



1d



2c



3