

図版説明 (Explanation of plates)

In plates I-VI different views of the same specimen are connected by a dotted line.

図版 I (Pl. I)

A, C-E: *Wellmanites japonicus* Matsumoto, Takahashi & Sanada. A: GK.H8385, juvenile from loc. H2431, underneath the Hobetsu Dam, $\times 2$. C, D: GK. H8091 from loc. Y5116, Taki-no-sawa of Oyubari area. C is inner whorl, $\times 1.2$; D is entire shell with deformed body-chamber, $\times 1$. E: holotype from loc. Ik1039 along with *Eucalycoceras pentagonum* (Jukes-Brown), $\times 1$. E is reproduced from pl. 21, fig. 1 of *Palaeont. Soc. Japan, Spec. Pap.*, 33 by permission.

B: *Mytiloides subhercynicus* (Seitz). GK. H8322, internal mould of right valve (RV), from loc. H2435, underneath the Hobetsu Dam.

図版 II (Pl. II)

A: *Inoceramus ginterensis* Pergament. HMG-1044, right valve from loc. H5013, $\times 1$.

B: *Pachydesmoceras denisonianum* (Stoliczka). HMG-1020, septate part, from loc. H5013p, $\times 0.6$.

図版 III (Pl. III)

A: *Mytiloides* cf. *sackensis* (Keller). HMG-1023, left valve (LV) from loc. H5021b.

B: *Inoceramus* cf. *nodai* Matsumoto & Tanaka. HMG 1028, RV from loc. H5014.

C: *Inoceramus* cf. *pictus minus* Matsumoto. HMG-1027, RV from loc. H5014.

D, E: *Mytiloides* cf. *sackensis* or *Inoceramus* cf. *pictus minus*. HMG-1033 and -1035 from loc. H5027.

F, G: *Mytiloides* cf. *columbianus* (Heinz). HMG-1021, LV, and HMG-1018, RV, from loc. H5021b.

All $\times 1$. LV: left valve; RV: right valve.

図版 IV (Pl. IV)

A: *Desmoceras* (*Pseudouhligella*) cf. *japonicum compressior* Matsumoto, [possibly *D. (P.)* cf. *ezoanum* Matsumoto]. HMG-1010 in a nodule at loc. H5021a, $\times 1$ (scale bar: 10mm).

B: *Parajaubertella imlayi* Matsumoto. HMG-1009 in the same nodule as A, $\times 1$.

C: *Pseudaspidoceras* cf. *flexuosum* Powell. HMG-1006, fragmentary body-chamber, from loc. H5021, $\times 0.54$ (scale bar: 50mm).

図版 V (Pl. V)

A, B: *Inoceramus* cf. *pictus bannnewitzensis* Tröger. A: LV and B: RV with dorsal part of LV of the same specimen, HMG-1038 from loc. H5027, $\times 1$.

C: *Inoceramus* cf. *pictus bannnewitzensis*. HMG-1037, RV(?) from loc. H5027, $\times 1$.

D: *Inoceramus* cf. *ginterensis*. HMG-1036, LV, from loc. H5027, $\times 1$.

E-G: *Birostrina nipponica* (Nagao & Matsumoto). E: HMG1040, anterior half of compressed LV and disk of RV, with an impression of fragmentary flank of *Marshallites* sp. (HMG-1041) in the extreme right portion of the figure. F: HMG-1050, LV, and G: HMG-1049, LV. These three (E-G) from loc. H5025, $\times 1$.

H-J: Simple corals, HMG-1044, -1043(external cast) and 1042 from loc. H5027, all nearly $\times 3$.

図版VI (Pl. VI)

A: *Austiniceras nipponicum* (Matsumoto). HMG-1011 from loc. H5029p, lateral and ventral views, $\times 0.4$. Arrow: beginning of the body-chamber.

B: *Austiniceras* cf. *nipponicum* (Matsumoto). HMG-1012, transported and highly eroded specimen obtained at H5023p, $\times 0.4$. Scale bar: 5cm.

図版VII (Pl. VII)

A: *Cunningtoniceras* sp. HMG-1014 from loc. H5030, $\times 0.5$.

B: *Calycoceras* (*Newboldiceras*) cf. *asiaticum* (Jimbo). GSI. F14769 from a boulder obtained at loc. H5025p, $\times 0.5$.

C: *Calycoceras* (*Newboldiceras*) cf. *orientale* Matsumoto, Saito & Fukada. HMG-1017 in a block of sandstone obtained at loc. H5031p, $\times 0.5$.

Scale bar: 20mm.

図版VIII (Pl. VIII)

A-D: *Calycoceras* (*Newboldiceras*) cf. *asiaticum* (Jimbo). HMG-1016, secondarily depressed fragment of body-chamber, from loc. H5031, $\times 0.4$. A: venter, B: right side, C: frontal view, with natural cross-section, D: oblique view, showing right flank and venter (in part).

Scale bar: 10cm.

図版IX (Pl. IX)

1a-c: *Rotalipora greenhornensis* (Morrow). 2a-c: *Praeglobotruncana stephani* (Gandorfi). 3a-c: *Praeglobotruncana gibba* Klaus.

All specimens of 1-3 from sample H5018. a: spiral view, b: umbilical view, c: side view. $\times 110$.

4a-b: *Textularia hikagezawensis* Takayanagi. From sample H5031B. a: front view, b: apertural view. $\times 110$.

図版X (Pl. X)

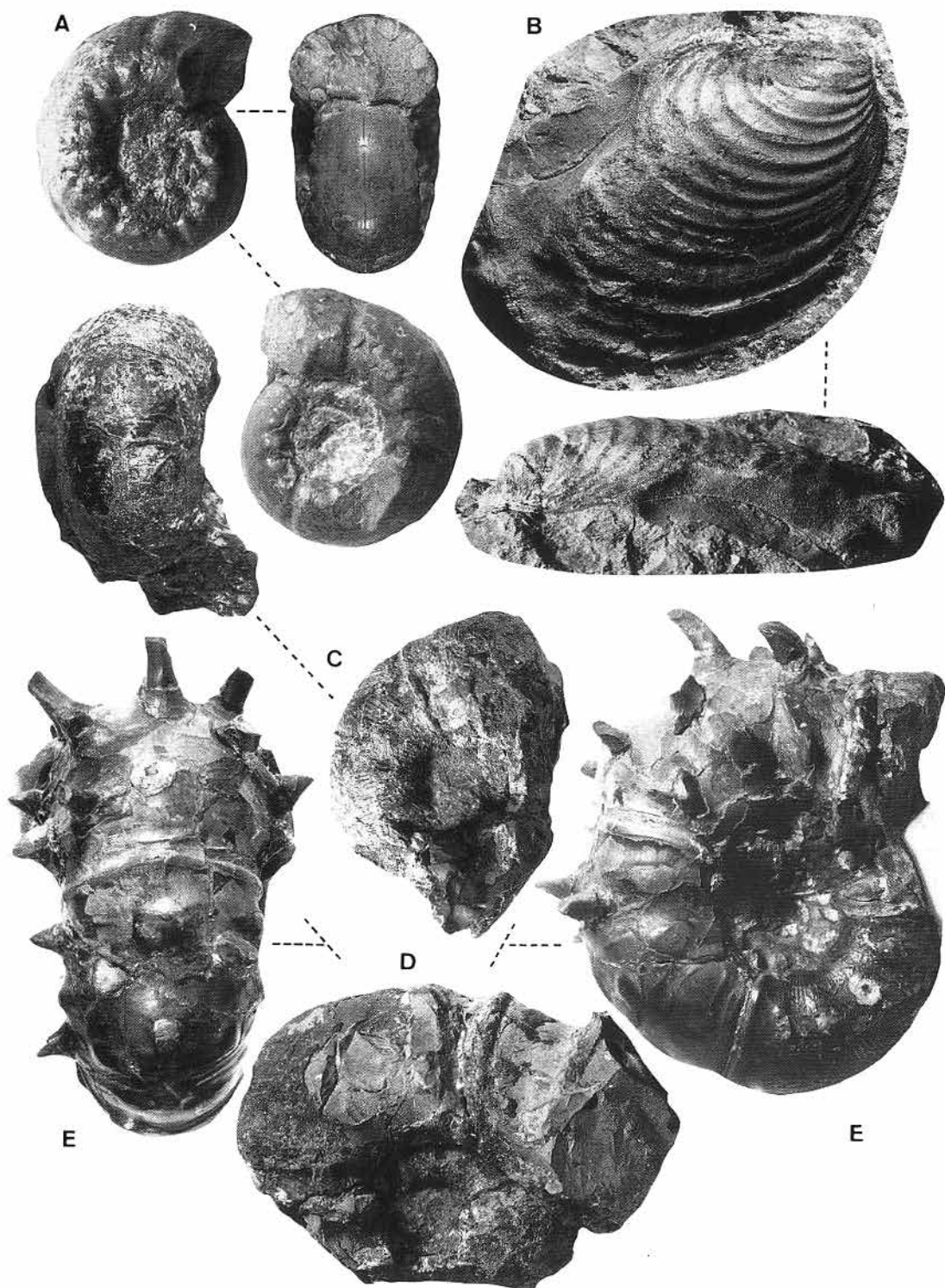
1a-c: *Whiteinella brittonensis* (Loeblich & Tappan). From sample H5021. 2a-c: *Dicarinella hagni* (Scheibnerova). From sample H5031A. 3a-c: *Dicarinella imbricata* (Mornod). From sample H5031A.

a: spiral view, b: umbilical view, c: side view. All $\times 110$.

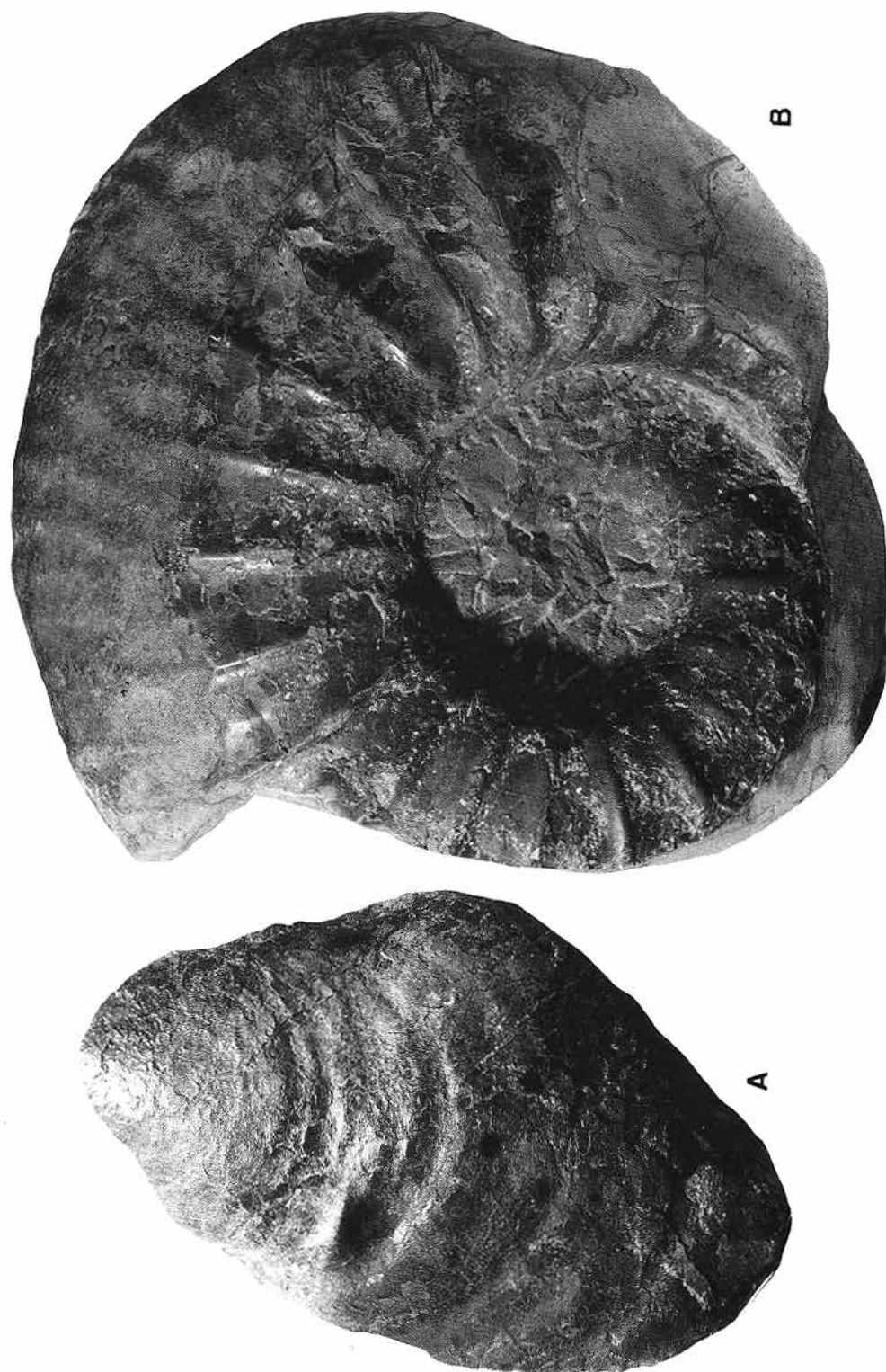
Photos in pl. VIII and pl. VII, B are taken by S.T.; all others in pls. I-VII by M.N.; those in pls. IX-X by S.H.

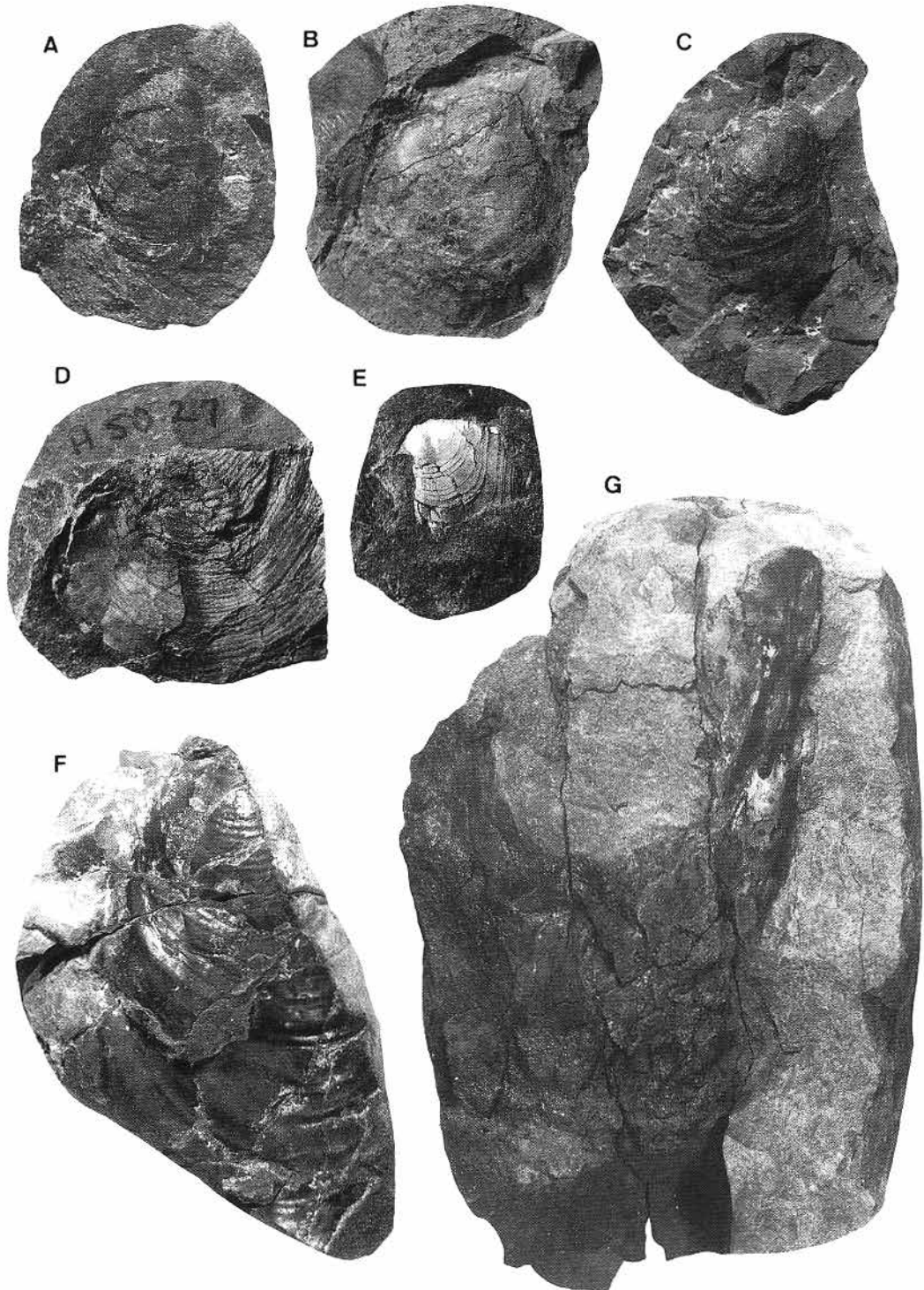
Repositories of the studied mega-fossil specimens are as follows:

HMG: Hobetsu Museum, Hobetsu 054-02; GK: Geological Type Room, Department of Earth and Planetary Sciences, Kyushu University, Fukuoka 812; GSJ: Geological Museum, Geological Survey of Japan, Tsukuba 305; Micro-fossil samples are preserved in JAPEX Research Center, Chiba 261.

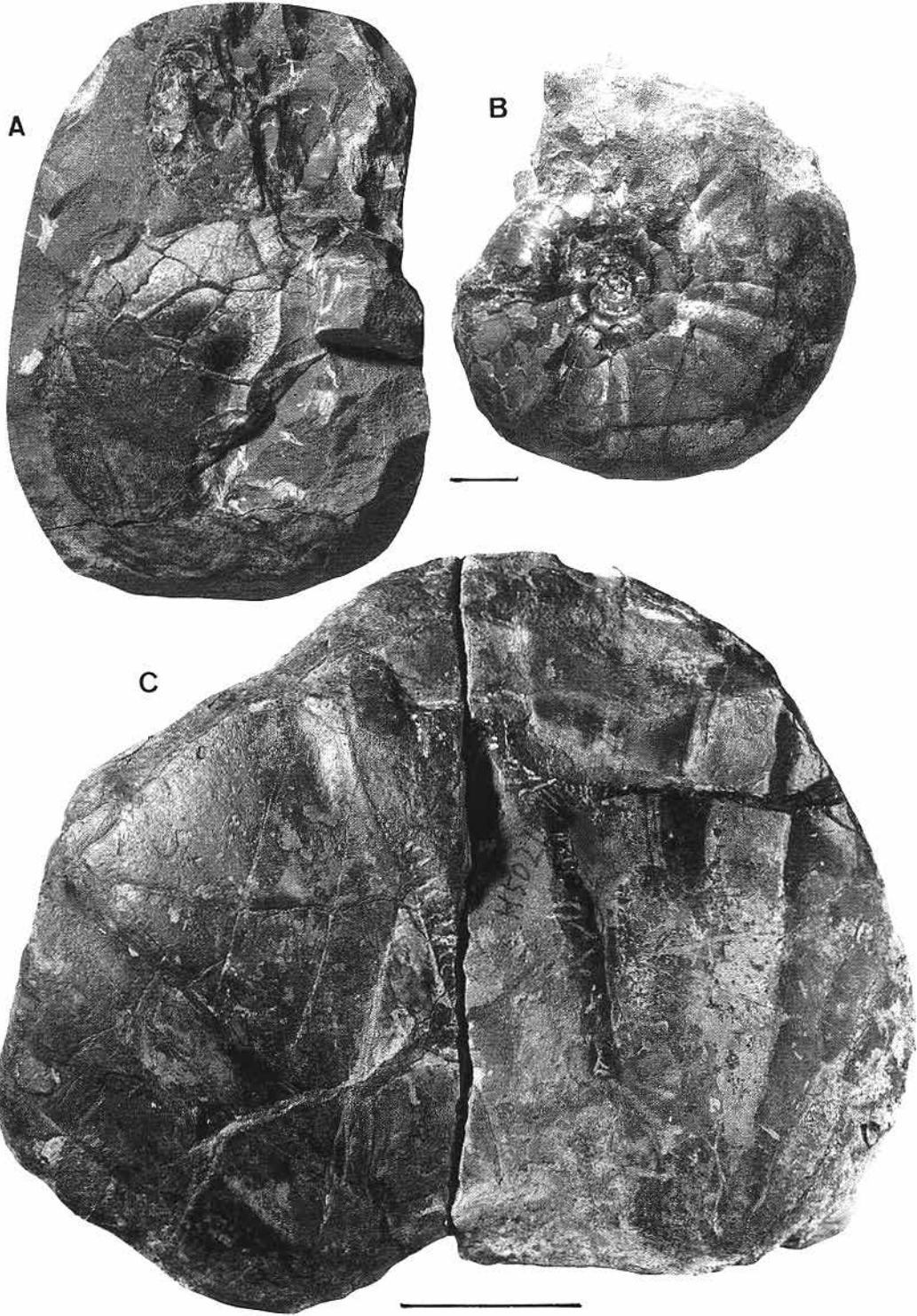


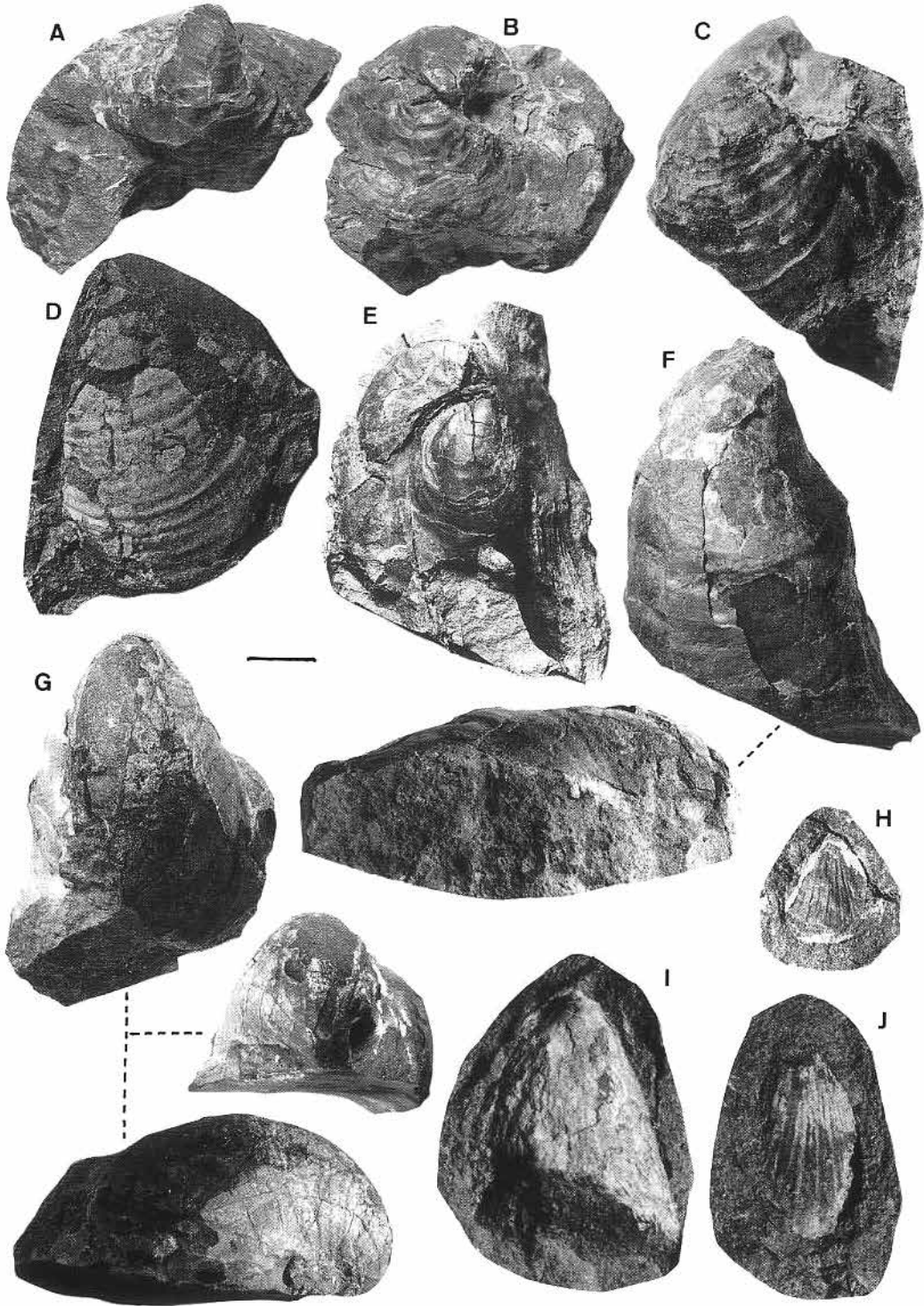
図版II (松本達郎・野田雅之・蟹江康光・吉川幸叙・利光誠一・米谷盛壽郎・花方 聡)



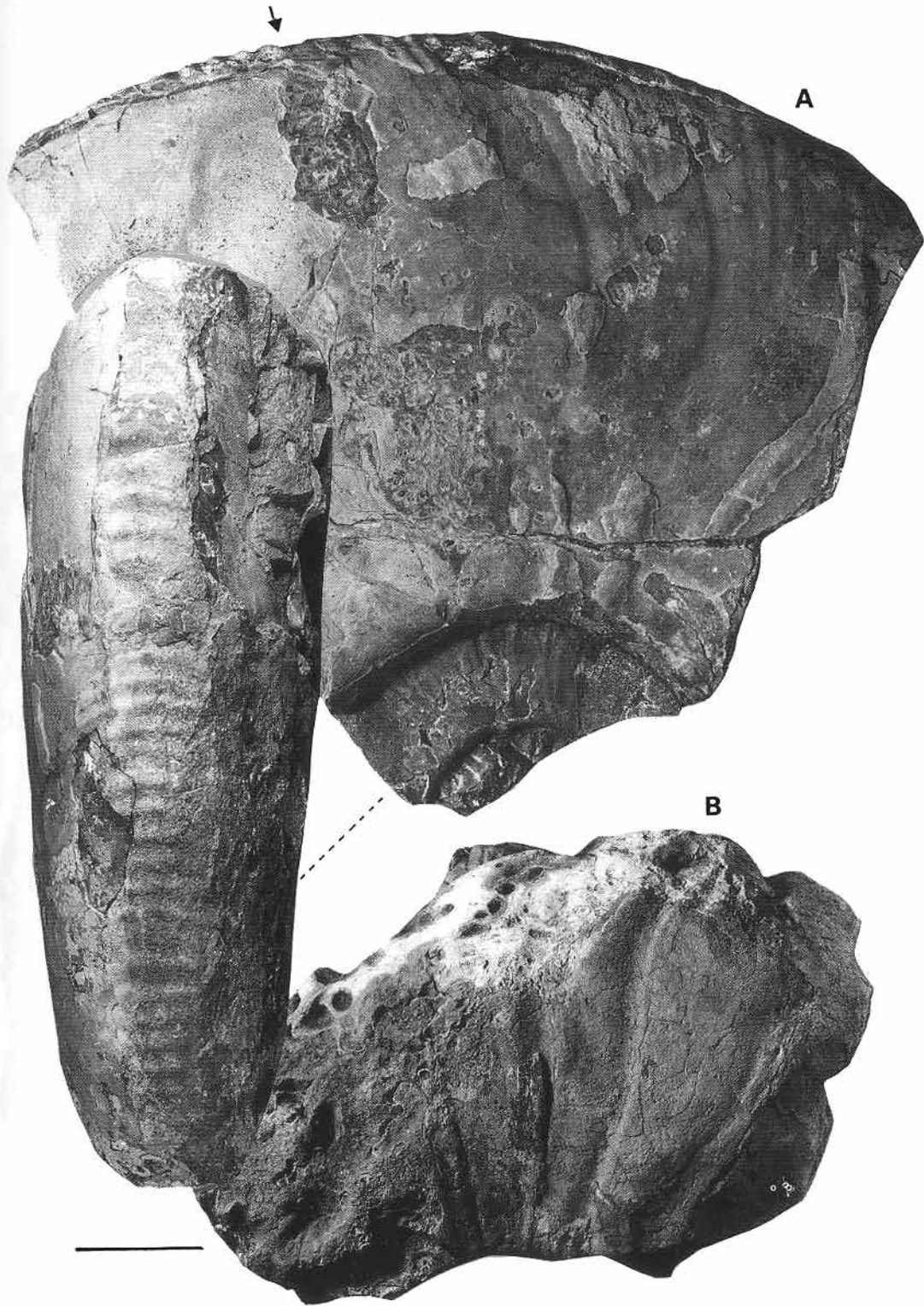


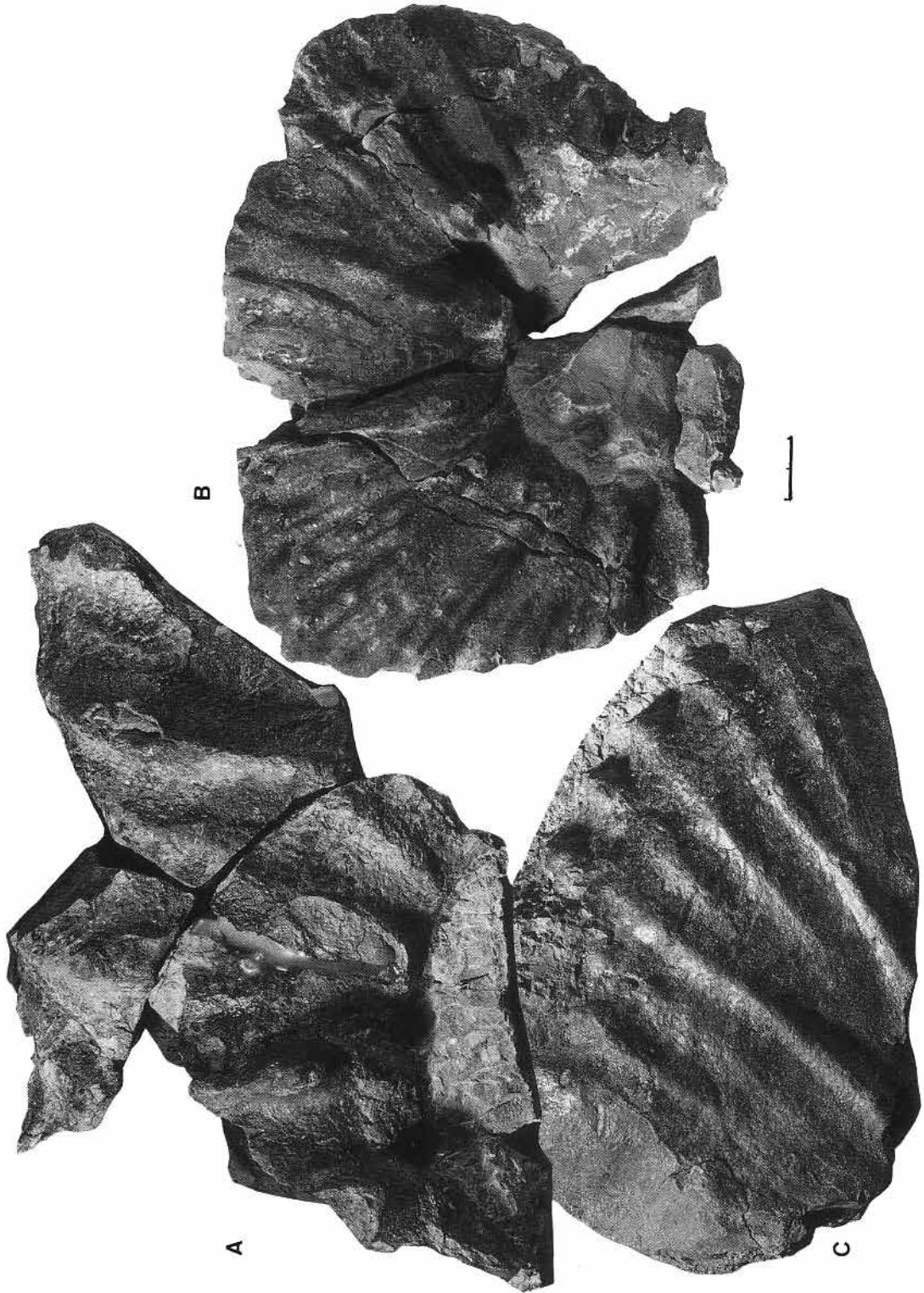
図版IV (松本達郎・野田雅之・蟹江康光・吉川幸叙・利光誠一・米谷盛壽郎・花方 聡)





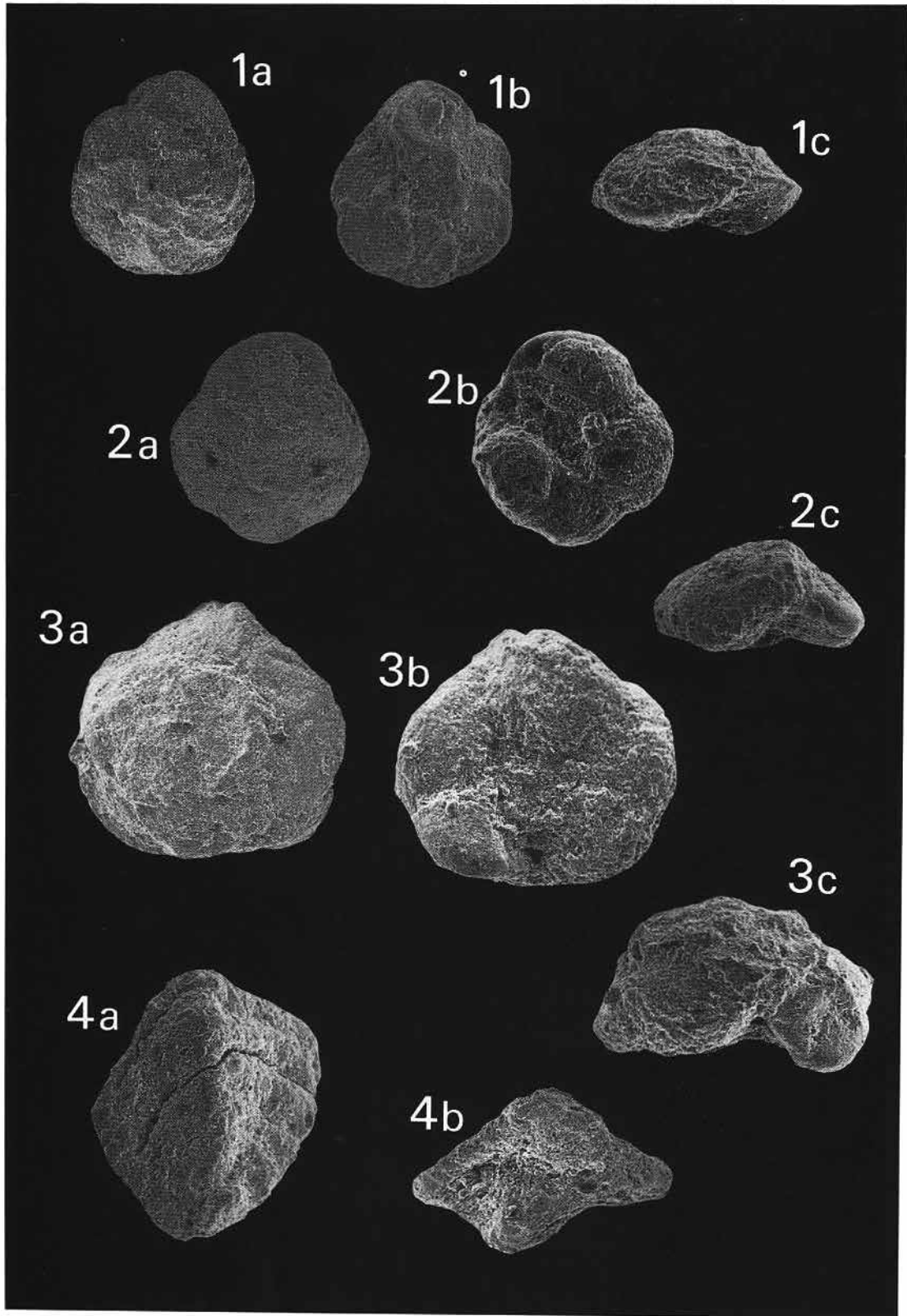
図版VI (松本達郎・野田雅之・蟹江康光・吉川幸叙・利光誠一・米谷盛壽郎・花方 聡)





図版VIII (松本達郎・野田雅之・蟹江康光・吉川幸叙・利光誠一・米谷盛壽郎・花方 聡)





図版X (松本達郎・野田雅之・蟹江康光・吉川幸叙・利光誠一・米谷盛壽郎・花方 聡)

