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Plates

EXPLANATION OF PLATE 1

Figure Page

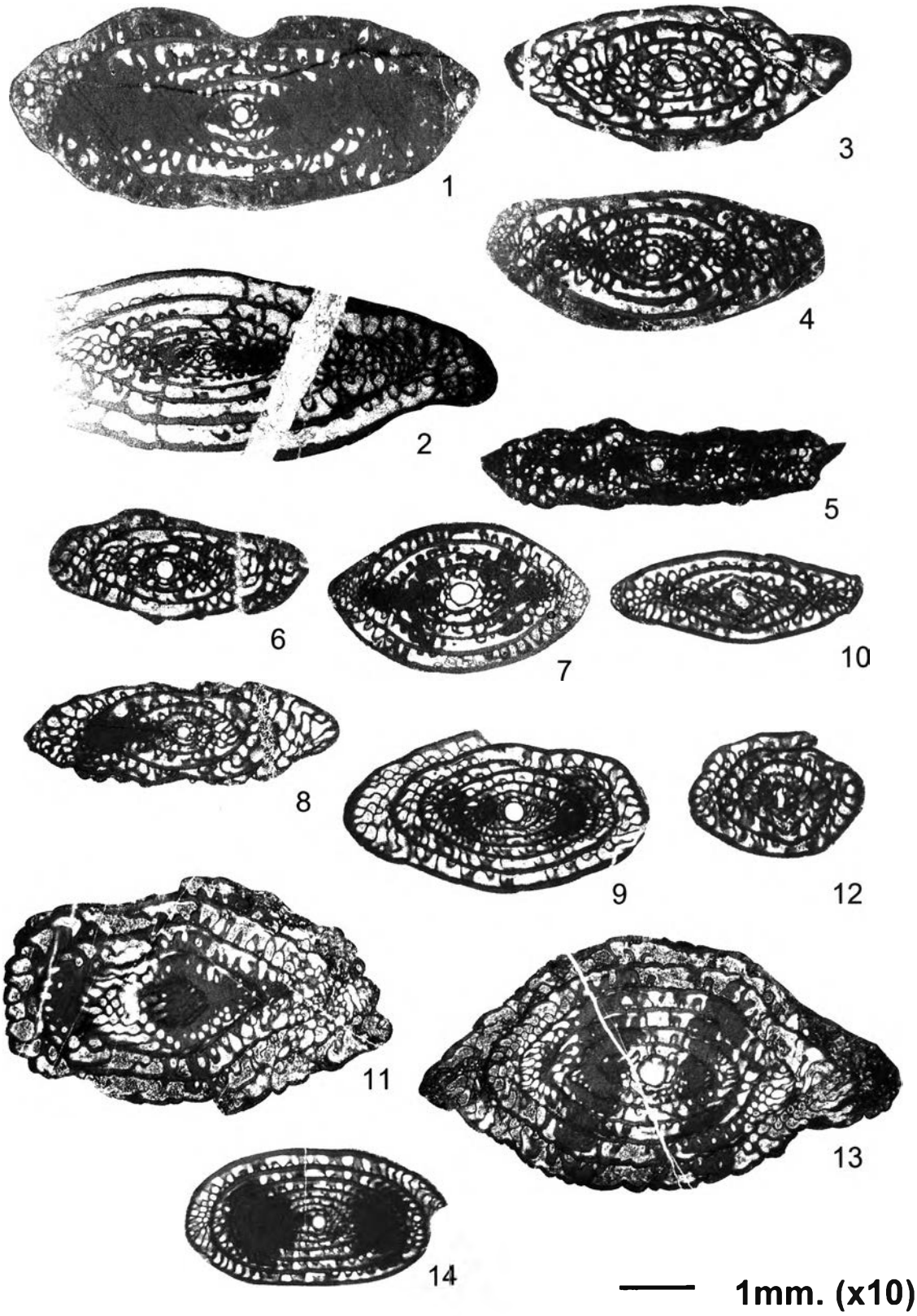
1-13 *Pseudofusulina* sp. 65

All photographs x10, (1) Axial section from thin section number KN 6.1-3.1; (2) Axial section from thin section number KLK 1-1.1; (3) Oblique section of thin section number KN 7.2-6.5; (4) Axial section from thin section number KN 0-14.3; (5) Axial section of thin section number KN 7.3-9.2; (6) Oblique section of thin section number KN 7.3-13.1; (7) Axial section from thin section number KN 0-7.1; (8) Oblique section of thin section number KN 7.3-12.1; (9) Oblique section from thin section number KN 23-6.1; (10) Oblique section from thin section number KN 8.1-3.4; (11) Oblique section of thin section number KLK 39-3.1; (12) Oblique section from thin section number KN 8.1-3.5; (13) Axial section from thin section number KLK 39-1.1.

14 *Parafusulina* sp. 64

Oblique section from thin section number KN 22.1-2.5 (x10).

Plate 1



EXPLANATION OF PLATE 2

Figure Page

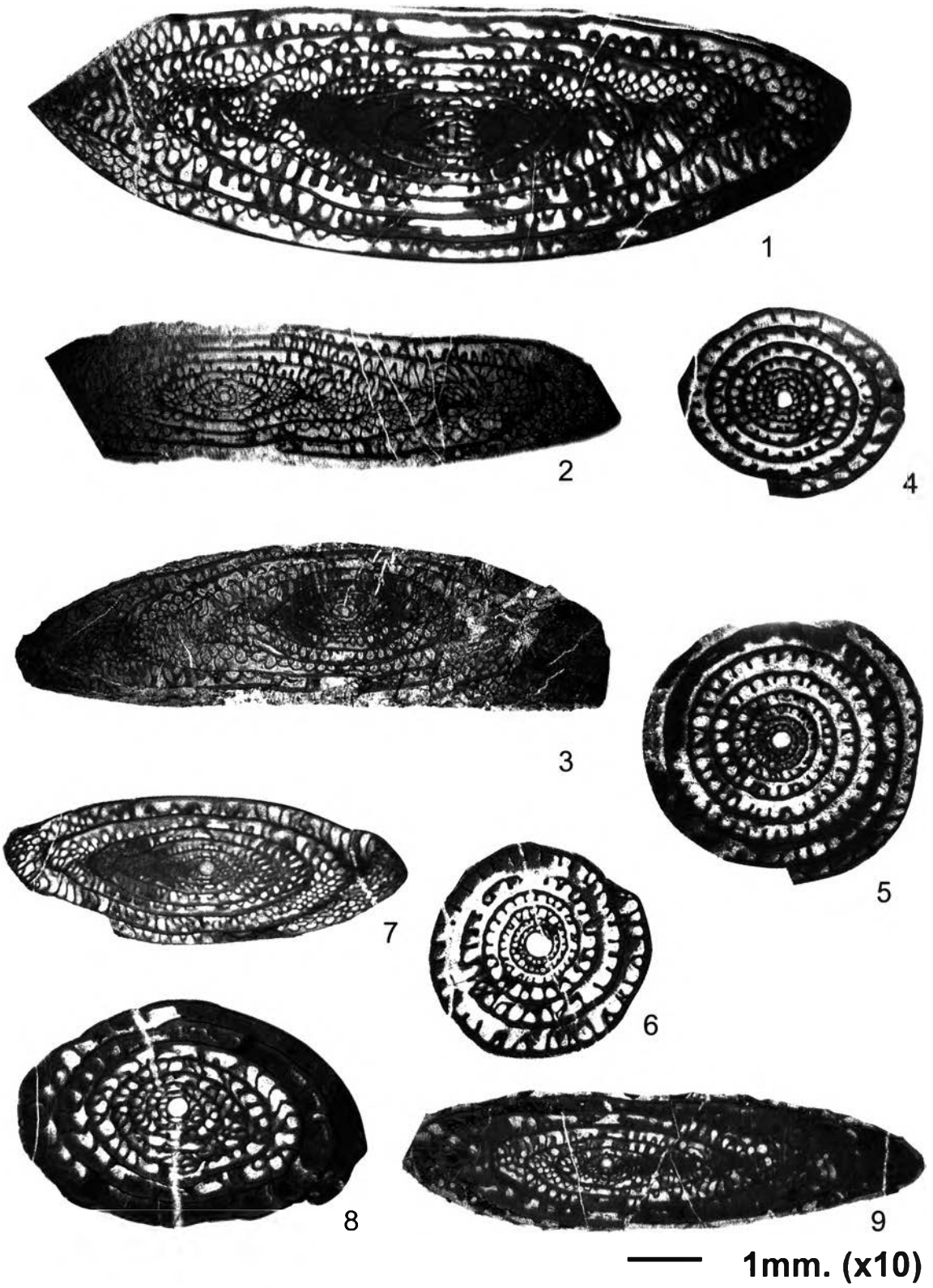
1-8 *Parafusulina* sp. 64

All photographs x10, (1) Tangential section from thin section number BHK 1-10.1; (2) Axial section of thin section number KNV1-10.1; (3) Axial section of thin section number KNV1-14; (4-6) Sagittal section from thin section number BHK 1-15, BHK 1-9 and BHK 1-4.1, respectively; (7) Axial section from thin section number BHK 1-15; (8) Oblique section from thin section number BHK 1-1.1.

9 *Pseudofusulina* sp. 65

Axial section from thin section number BHK 2-4.2 (x10).

Plate 2



EXPLANATION OF PLATE 3

Figure Page

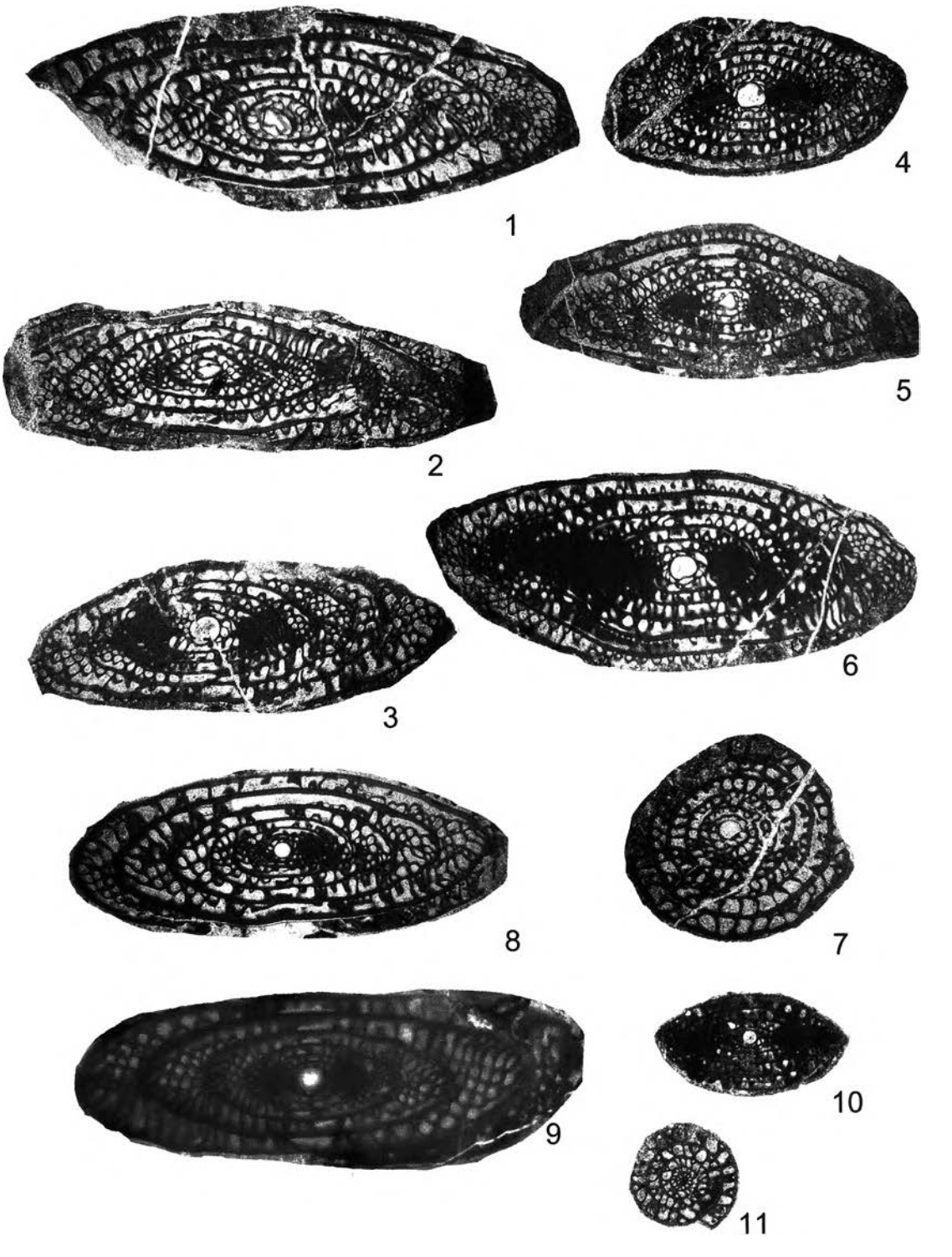
1-3, 7-11 *Pseudofusulina* sp. 65

All Photographs x10, (1) Oblique section from thin section number KMN 2-14; (2) Oblique section from thin section number KMN 1-9; (3) Oblique section of thin section number KMN 2-4; (7) Sagittal section from thin section number KMN 2-9.1; (8) Axial section from thin section number BHK 2-14.1; (9) Oblique section from thin section number BHK 2-2.9; (10) Axial section of thin section number KS 11.1; (11) Sagittal section from thin section number KS 11.3.

4-6 *Parafusulina* sp. 64

All Photographs x10, (4) Oblique section from thin section number KMN 1-12; (5) Axial section of thin section number KMN 1-1.1; (6) Oblique section of thin section number KMN 1-4.

Plate 3



EXPLANATION OF PLATE 4

Figure Page

1-3 *Parafusulina* sp. 64

All Photographs x10, (1) Oblique section from thin section number BHK 2-3.1; (2) Oblique section from thin section number KLK 24-1.1; (3) Axial section from thin section number BHK 2-2.

4-7 *Pseudofusulina* sp. 65

(4) Axial section from thin section number BHK 2-1 (x10); (5) Axial section from thin section number KNV 1-10.2 (x10); (6) Axial section of thin section number KLK 2.2-3.1 (x20); (7) Oblique section from thin section number KLK 40-4.1 (x10).

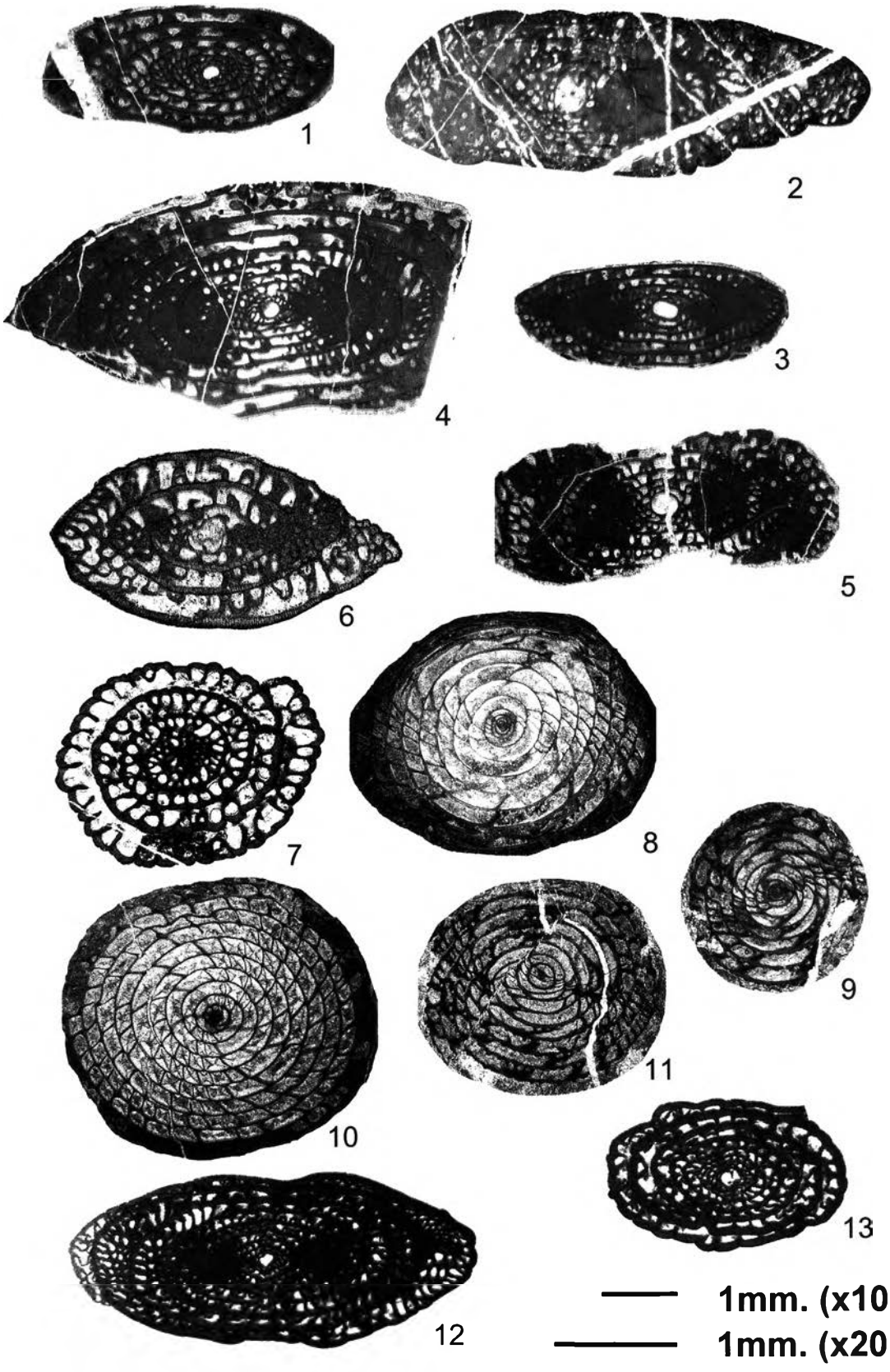
8-11 *Verbeekina verbeeki* Geinitz 67

All Photographs x10, (8) Axial section of thin section number KKJ 1-4.1; (9) Axial section of thin section number KNV 1-16; (10) Axial section from thin section number KMN 1-14; (11) Sagittal section from thin section number KNV 1-4.1.

12-13 *Pravitroschwagerina* sp. 66

All Photographs x10, (12) Axial section of thin section number KN 9-1.1; (13) Oblique section of thin section number KN 8.1-8.5.

Plate 4



EXPLANATION OF PLATE 5

Figure Page

1-6 *Skinnerella* ? sp. 65

All Photographs x10, (1) Axial section from thin section number KS 1; (2) Axial section from thin section number KS 9; (3) Oblique section from thin section number KS 2.1; (4) Oblique section from thin section number KS 17.2; (5) Axial section from thin section number KS 4.3; (6) Axial section from thin section number KS 5.

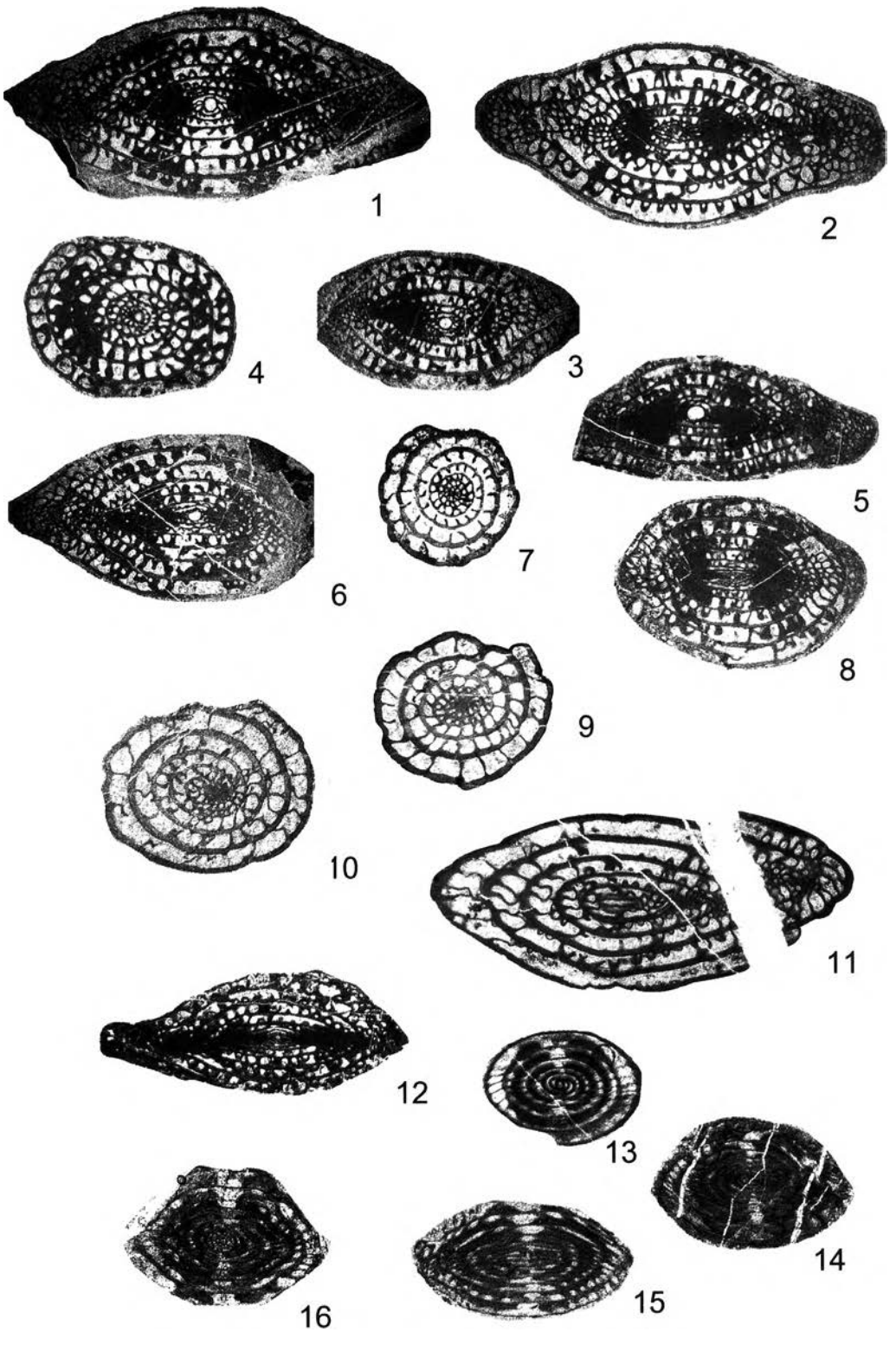
7-12 *Chusenella* sp. 66

All Photographs x10, (7) Sagittal section from thin section number KLK 5.1-3.1; (8) Axial section of thin section number KP 4.1; (9) Oblique section from thin section number KLK 13.1-2.3; (10) Oblique section from thin section number KLK 5-5.1; (11) Tangential section from thin section number KLK 5-1.1; (12) Axial section of thin section number KNN 10.2.

13-16 *Yangcheinia* sp..... 64

All Photographs x20, (13) Sagittal section from thin section number BHK 1-1.3; (14) Axial section of thin section number KNV 1-9.2; (15) Axial section of thin section number KNV 1-5.5; (16) Axial section from thin section number KNV 1-3.1.

Plate 5



EXPLANATION OF PLATE 6

Figure — Page

1, 7 *Neothailandina pitakpaivani* Toriyama and Kanmera 82

All Photographs x10, (1) Axial section from thin section number BHK 1-6; (7) Axial section from thin section number BHK 2-5.

2-4 *Neothailandina* sp. 81

All Photographs x10, (2) Axial section from thin section number BHK 2-14.2; (3) Axial section from thin section number BHK 1-14.1; (4) Axial section from thin section number BHK 2-17.

5 *Thailandina buravasi* Toriyama and Kanmera 83

Axial section from thin section number KN 23-7.8 (x20).

6, 8 *Thailandina* sp. 85

All Photographs x10, (6) Oblique section from thin section number KN 22.1-1.1; (8) Sagittal section from thin section number KN 22-2.5.

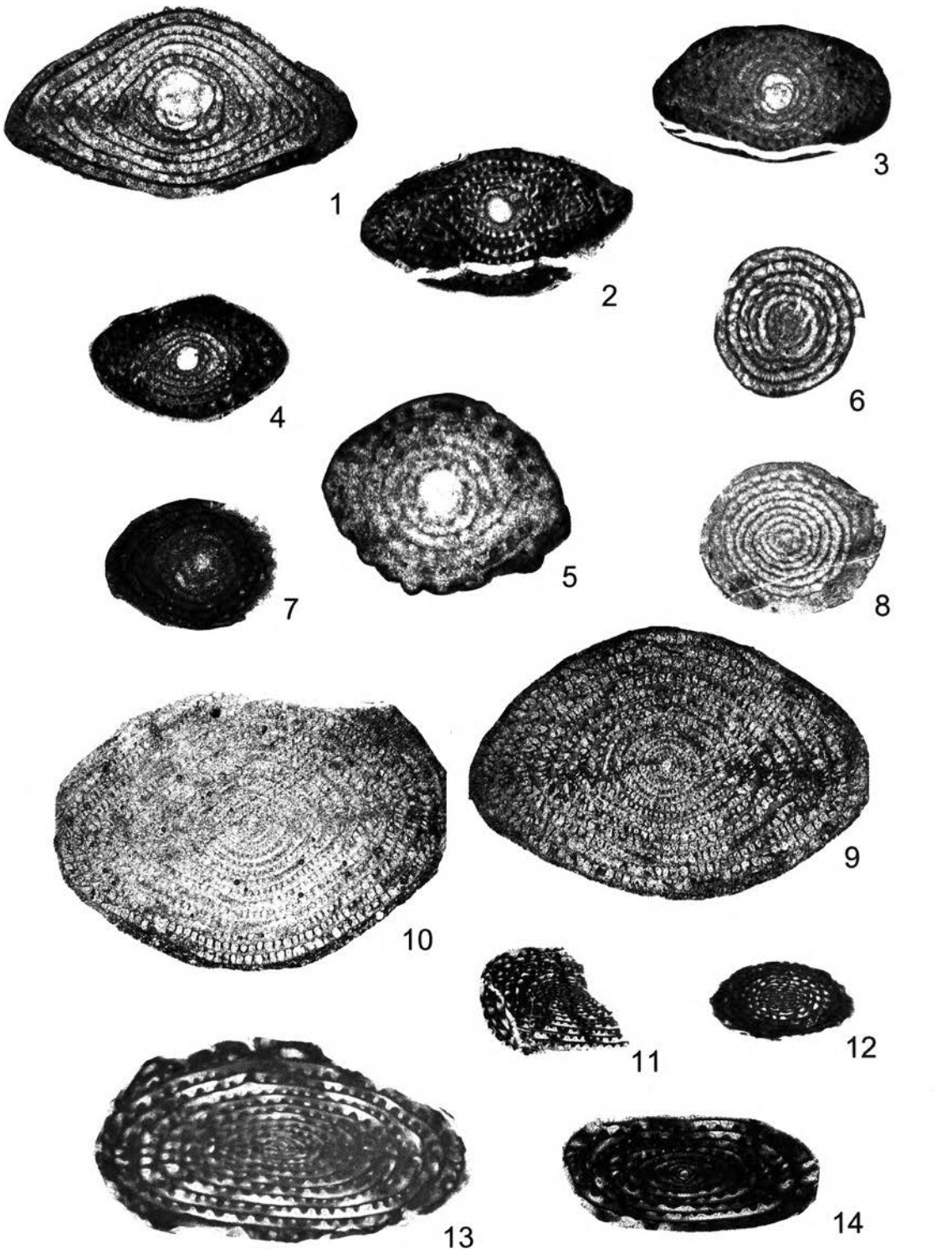
9-10 *Neoschwagerina* sp. 91

All Photographs x10, (9) Axial section from thin section number KKJ 1-9.1; (10) Axial section from thin section number KKJ 1-10.

11-14 *Pseudodoliolina* sp. 80

(11) Oblique section from thin section number BHK 2-3.2 (x10); (12) Oblique section from thin section number BHK 2-4.3 (x10); (13) Tangential section from thin section number BHK 2-6.1 (x20); (14) Axial section from thin section number BHK 2-18.2 (x20).

Plate 6



EXPLANATION OF PLATE 7

Figure Page

1-5 *Neoschwagerina simplex* Ozawa..... 91

All Photographs x10 except figure 1 and 4 (x20), (1) Axial section from thin section number KNV 1-3.2; (2) Sagittal section from thin section number KNV 1-3.3; (3) Axial section from thin section number BHK 2-11; (4) Tangential section from thin section number KNV 1-5.3; (5) Tangential section from thin section number KNV 1-9.3;.

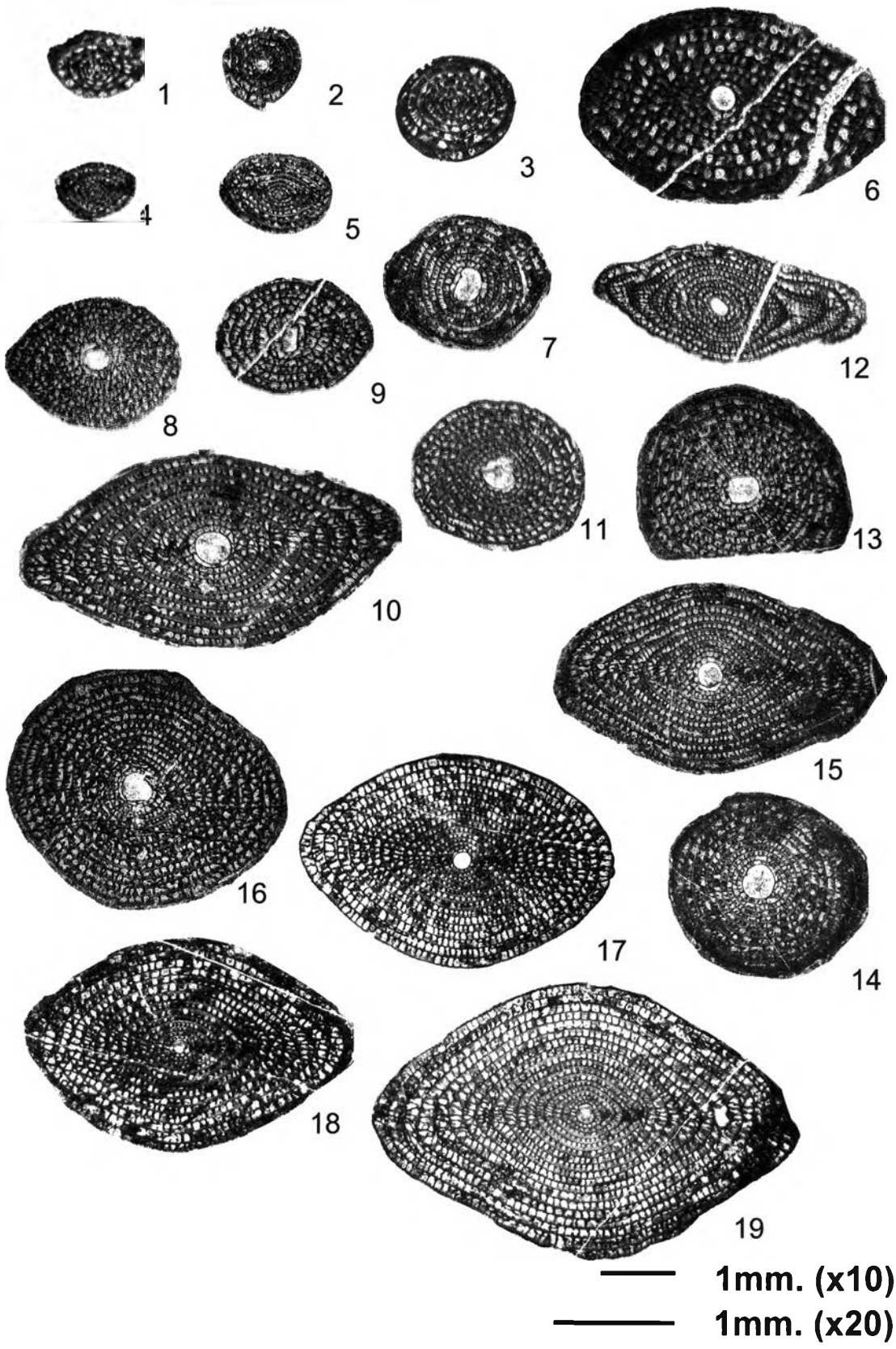
6 *Afghanella* sp. 97

Axial section from thin section number KMN 1-7.1(x20).

7-19 *Colania* sp. 96

All Photographs x10, (7) Sagittal section from thin section number KP 4.2; (8) Oblique section from thin section number KP 11.1; (9) Oblique section from thin section number KT 9.2; (10) Axial section from thin section number KT 22; (11) Sagittal section of thin section number KK 18.1; (12) Oblique section from thin section number KK 12.2; (13) Sagittal section from thin section number KP 3.2; (14) Sagittal section of thin section number KP 5.2; (15) Axial section from thin section number KP 2.1; (16) Oblique section from thin section number KP 8.1; (17) Oblique section from thin section number KNN 11.1; (18) Oblique section from thin section number KNN 13.2; (19) Oblique section from thin section number KNN 17.1.

Plate 7



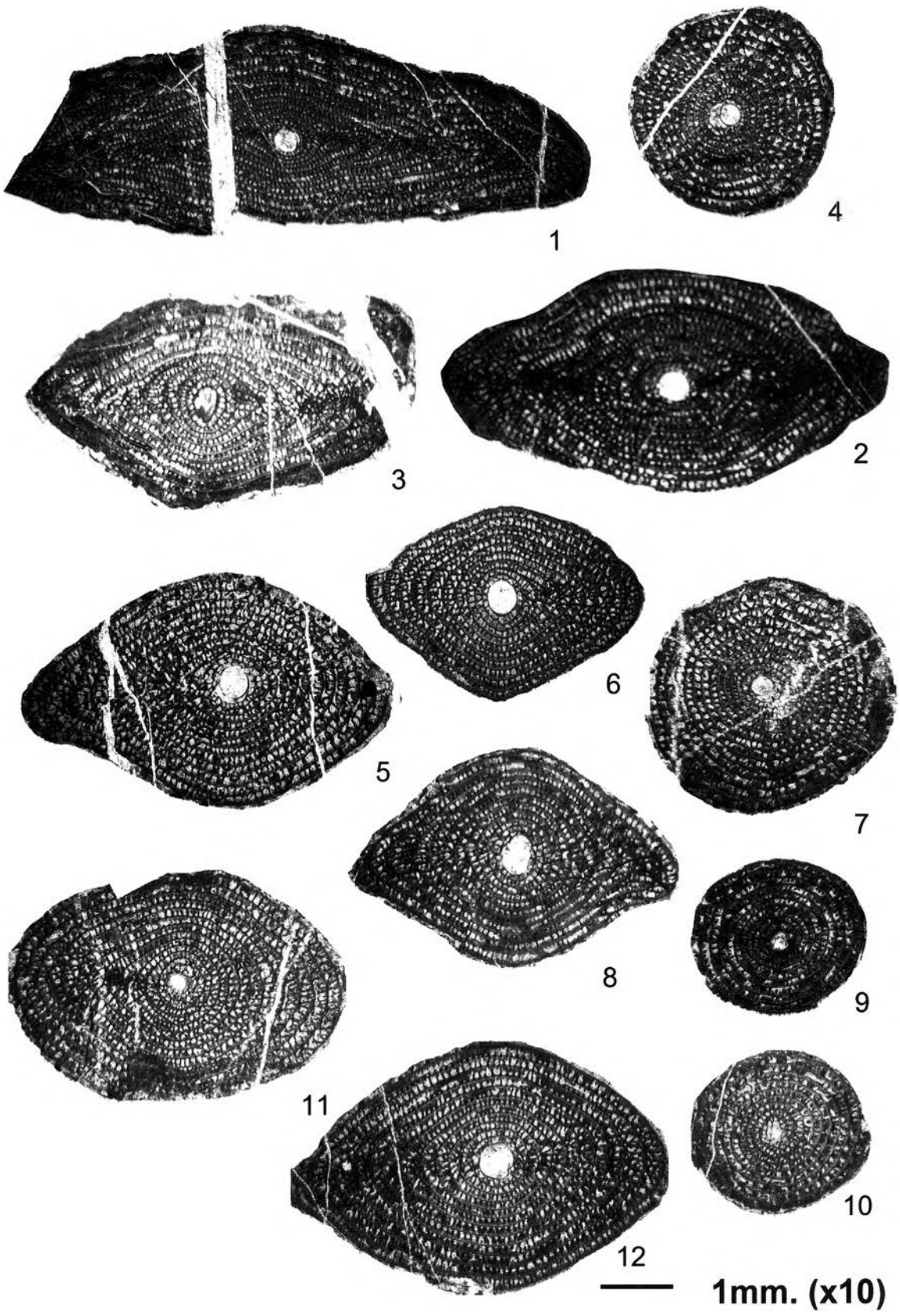
EXPLANATION OF PLATE 8

Figure Page

1-12 *Lepidolina lepida* 94

All Photographs x10, (1) Axial section from thin section number KK 11; (2) Axial section from thin section number KCL 2.1; (3) Oblique section from thin section number KK 7.1; (4) Oblique section from thin section number KK 7.2; (5) Sagittal section from thin section number KK 8.1; (6) Oblique section from thin section number KT 5.1; (7) Sagittal section from thin section number KK 14.3; (8) Oblique section from thin section number KT 17; (9) Sagittal section from thin section number KCL 1.1; (10) Sagittal section from thin section number KP 6.1; (11) Oblique section from thin section number KT 15.1; (17) Oblique section of thin section number KT 18.2.

Plate 8



EXPLANATION OF PLATE 9

Figure Page

1-2 *Lepidolina lepida* 94

All Photographs x10, (1) Axial section from thin section number KK 22.1; (2) Oblique section from thin section number KKJ 1-1.1.

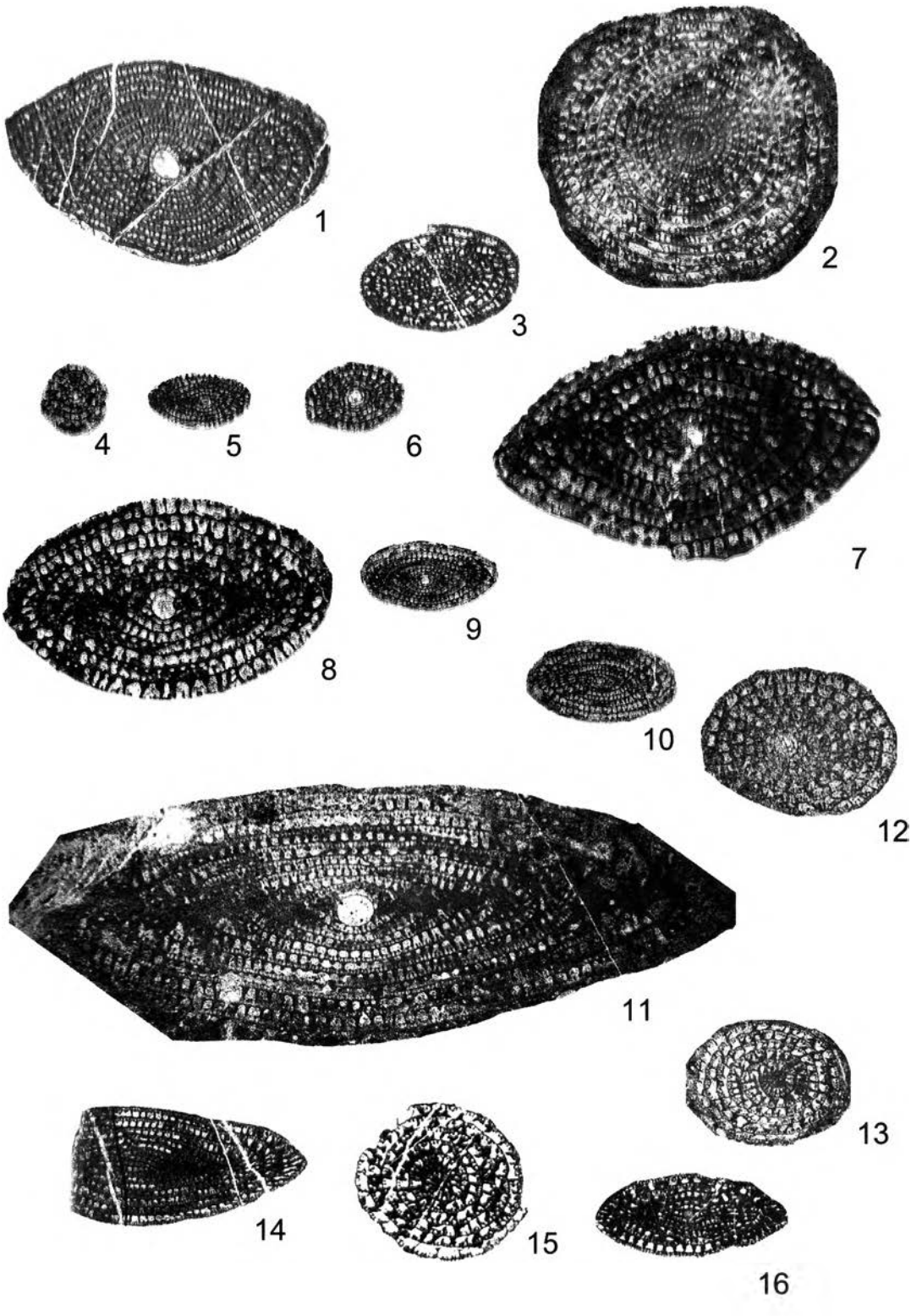
3-10 *Afghanella* sp. 97

All Photographs x10 except 7 and 8 (x20), (3) Oblique section from thin section number KMN 1-3.2; (4) Oblique section from thin section number KNV 1-5.4; (5) Oblique section from thin section number KNV 1-5.1; (6) Oblique section from thin section number KNV 1-6.2; (7) Axial section from thin section number KNV 1-1.1; (8) Axial section from thin section number KNV 1-2.1; (9) Axial section from thin section number KNV 2-5; (10) Oblique section from thin section number KNV 1-11.3.

11-16 *Sumatrina* sp. 97

All Photographs x10, (11) Axial section from thin section number KKJ 1-2.1; (12) Oblique section from thin section number KKJ 1-9.2; (13) Oblique section from thin section number KKJ 1-5.4. (14) Oblique section from thin section number KNN 5.3. (15) Oblique section from thin section number KNN 23.1. (16) Oblique section from thin section number KNN 10.4.

Plate 9

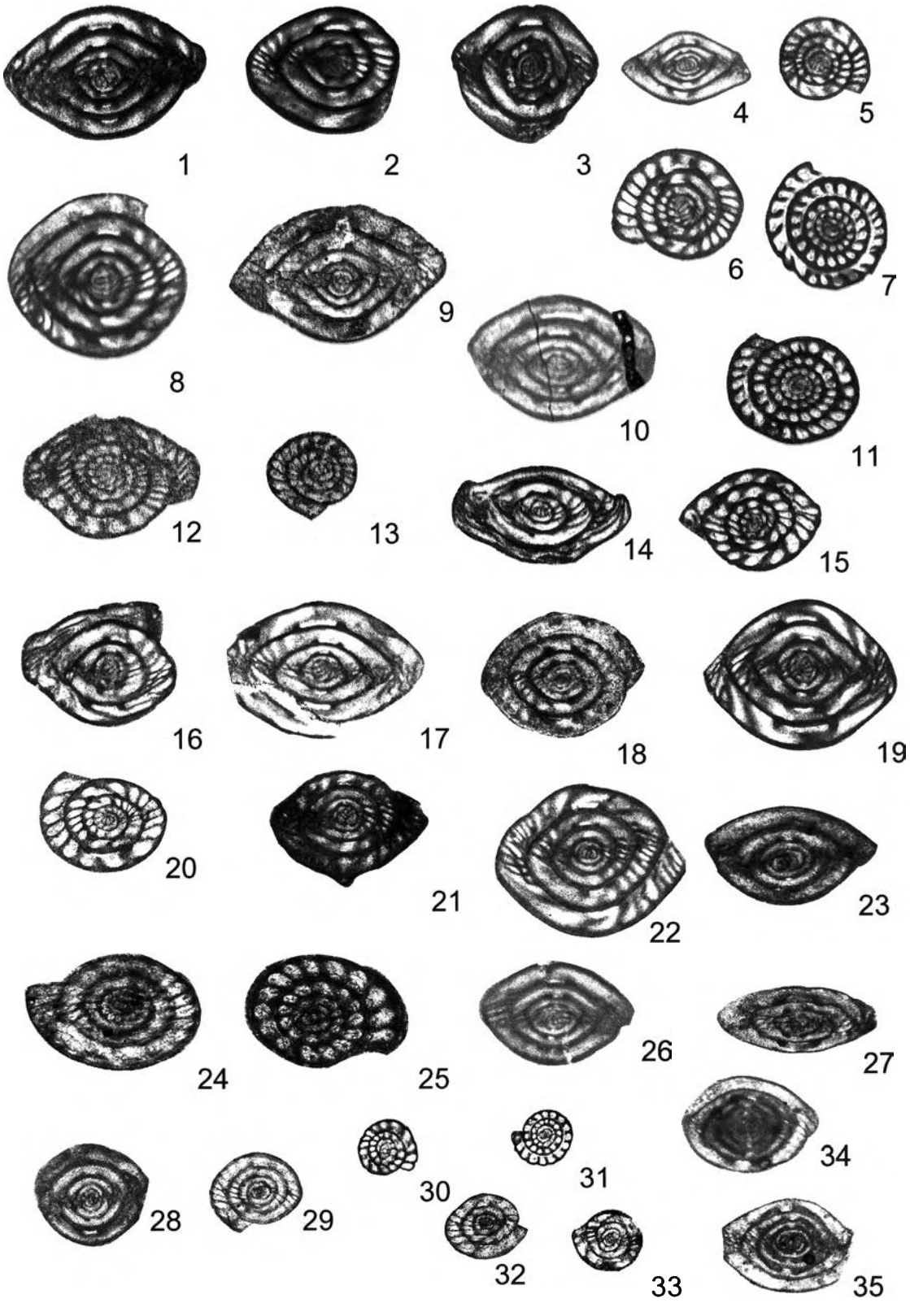


EXPLANATION OF PLATE 10

Figure Page

All Photographs x20, (1,2,3,4 and 8) Axial section from thin section number KN 0-4.1, 0-4.3, 0-6.3, 0-8.1, 0-12.1, respectively; (5,6 and 7) Sagittal section from thin section number KN 0-7.2, 0-7.4, 0-11.3; (9-10) Axial section from thin section number KN 3-5.1, 3-8.1; (11) Sagittal section from thin section number KN 3-5.5; (12-17 and 19) Oblique section from thin section number KN 7.1-7.1, 7.1-6.1, 7.3-5.1, 7.3-5.6, 7.3-15.2, 7.3-16.2, 8-8.1, respectively; (18) Axial section from thin section number KN 8-1.2; (20) Oblique section from thin section number KN 11-8.1; (21-22) Oblique section from thin section number KN 21-3.3, 22-2.2; (23) Axial section from thin section number KN 23-4.7; (24-25) Sagittal section from thin section number KN 23-4.8. 23-4.15; (26-27) Tangential section from thin section number KN 24-7.6, 24-8.3; (28-29) Oblique section from thin section number KN 24-1.5, 24-3.1; (30-31 and 33) Oblique section from thin section number KLK 4.1-1.2, 4.1-1.3, 4.1-4.3; (32) Oblique section from thin section number BHK 1-3.1; (34) Axial section from thin section number KN 22.1-2.1; (35) Axial section from thin section number KN 23-7.2.

Plate 10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EXPLANATION OF PLATE 11

Figure | Page

1-3 *Eoschubertella* sp. 63

All Photographs x40, (1) Axial section from thin section number KN 11-9.2; (2) Axial section from thin section number KN 23-4.12; (3) Axial section from thin section number KN 24-3.5.

4 *Staffella* sp. 60

Axial section from thin section number KLK 16-1.1 (x10).

5-7 *Neofusulinella* sp. 63

All Photographs x20, (5 and 6) Oblique section from thin section number KN 12.1-1.1, 12.1-7.1; (7) Oblique section from thin section number KN 22.1-8.1.

8-11 *Sphaerulina* sp. 61

(8) Oblique section of thin section number KLK 9-2.1, x20; (9) Oblique section of thin section number KLK 2.2-3.2, x20; (10) Oblique section of thin section number KN 23-7.11, x20; (11) Oblique section of thin section number KLK 23-1.1, x10.

12-16 *Ozawainella* sp. 59

(12) Axial section from thin section number KLK 18-6.2, x20; (13) Axial section from thin section number KLK 3-2.6, x20. All Photographs x40, (14-15) Axial section from thin section number KN 0-6.2, 0-6.4; (16) Oblique section from thin section number KN 6-12.1.

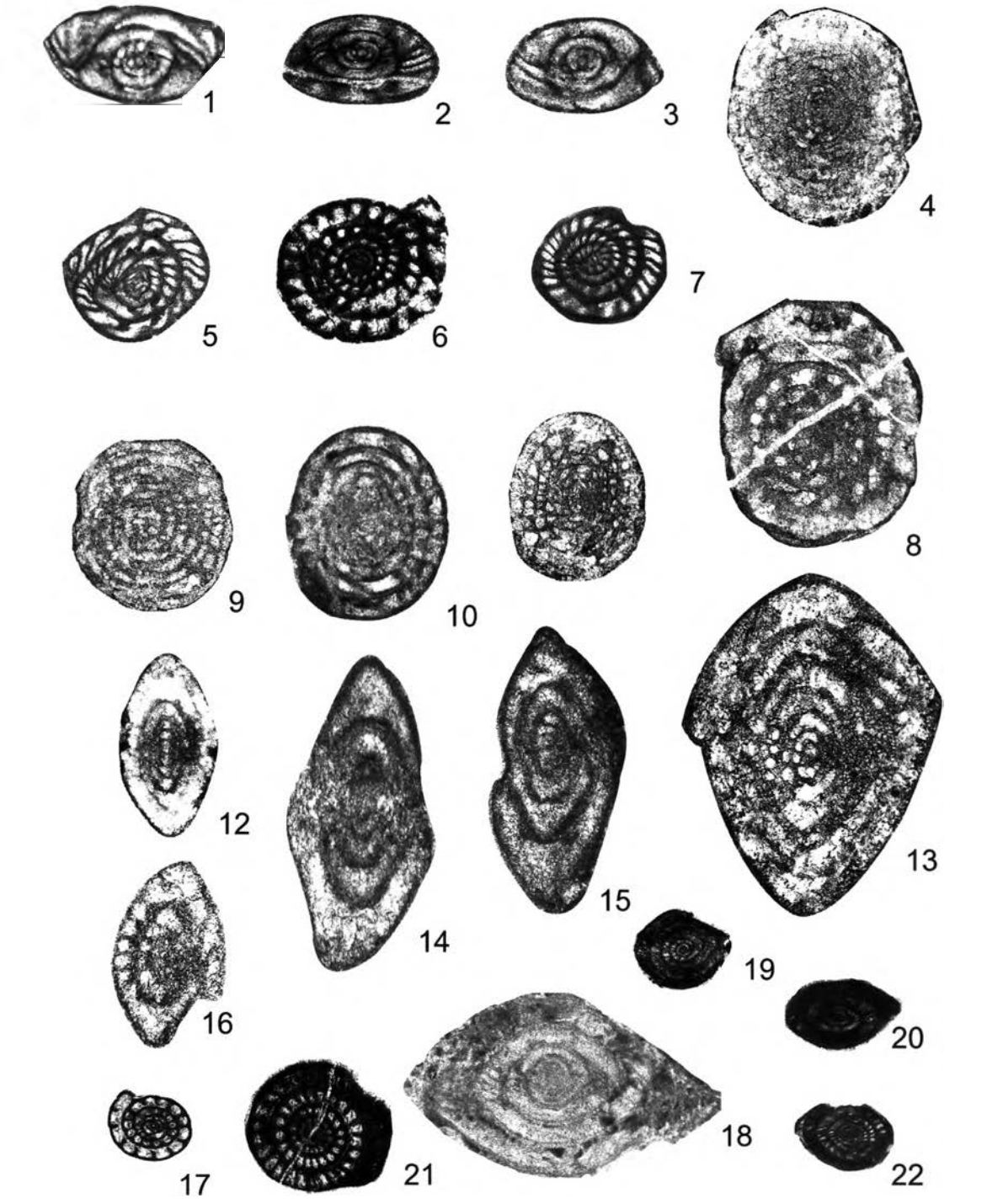
EXPLANATION OF PLATE 11 (Continue)

Figure Page

17-22 *Schubertella* sp. 62

All Photographs x10 except figure 14, 15 and 18 (x20), (17) Sagittal section from thin section number KLK 8-2.1; (18) Axial section from thin section number KP 14.2; (19) Oblique section from thin section number BHK 2-4.5; (20) Axial section from thin section number BHK 2-3.5; (21) Sagittal section from thin section number BHK 2-6.2; (22) Oblique section from thin section number BHK 2-6.3.

Plate 11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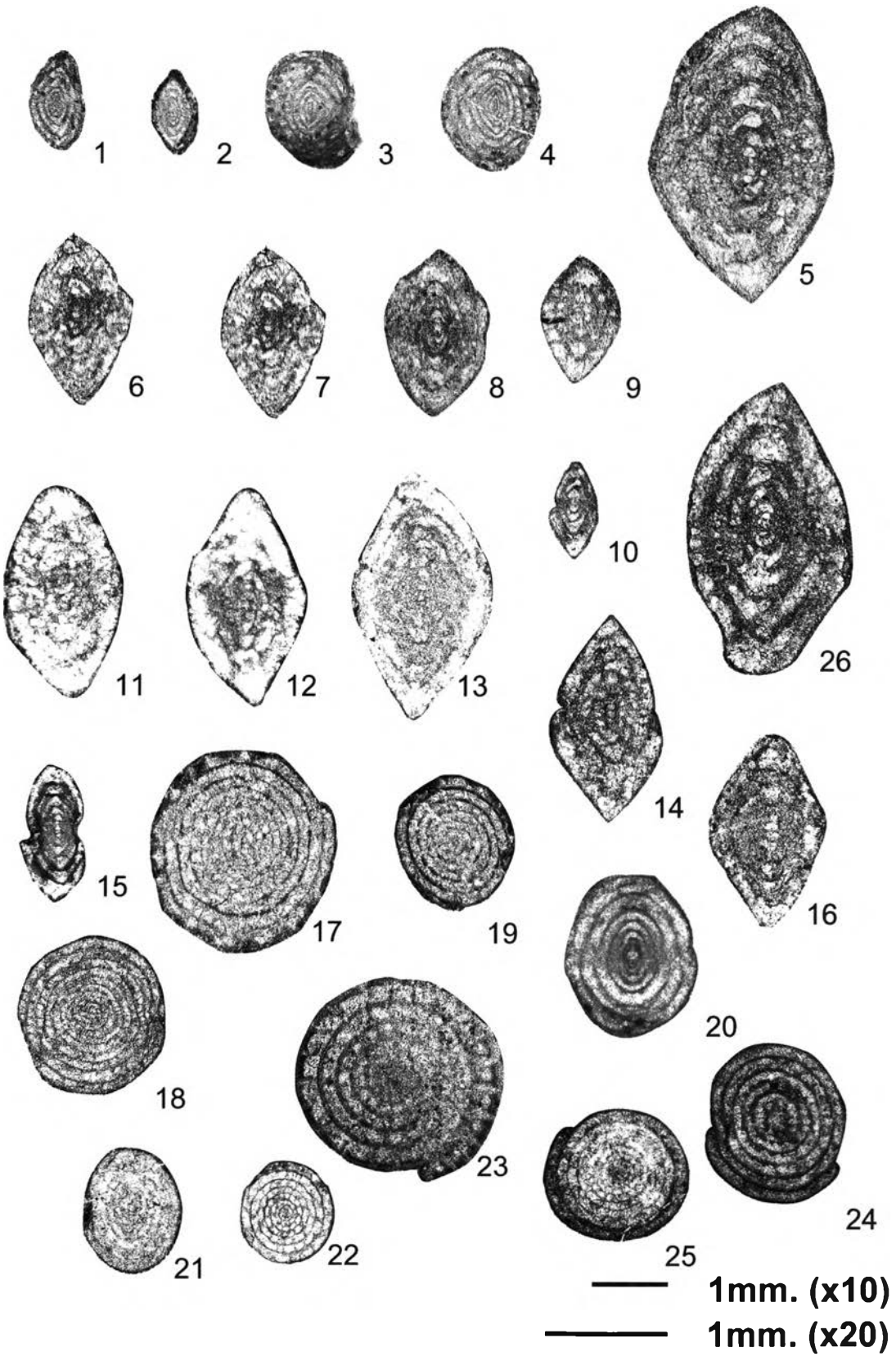
EXPLANATION OF PLATE 12

Figure Page

1-26 *Nankinella* sp. 60

(1) Axial section from thin section number KP 3.3, x10; (2) Axial section from thin section number KKJ 1-4.3, x10; (3) Axial section from thin section number KP 14.4, x10; (4) Axial section from thin section number KP 13.1, x10; (5,8-9) Axial section from thin section number KLK 2.2-5.1, 2.2-4.1, 2.2-4.2, x20; (6-7) Axial section from thin section number KLK 2.1-1.2; (10, 14 and 26) Axial section from thin section number KLK 3-1.1, 3-2.2, 3-2.5, x20; (12) Axial section from thin section number KLK 18-6.3, x20; (13) Axial section from thin section number KLK 22.1-1.1, x20; (15) Axial section from thin section number KLK 18-2.1, x10; (16) Axial section from thin section number KLK 18-1.1, x20; (17-19) Oblique section from thin section number KN 7-1.1, 7.1-5.3, 7.3-15.1, x10; (20) Axial section from thin section number KN 23-7.9, x20; (21,24 and 25) Oblique section from thin section number KN 6-3.2, 6-3.1, 6-2.2, x10; (22) Oblique section from thin section number KN 7-1.2, x10; (23) Sagittal section from thin section number KN 0-5.2, x20.

Plate 12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EXPLANATION OF PLATE 13

Figure Page

1-3 *Misellina ovalis* **Deprat** 75

All Photographs x10, (1-2) Axial section from thin section number KN 0-5.3, 0-13.2; (3) Axial section from thin section number KN 3-8.3.

4 *Misellina (Brevaxina)* sp. 80

Sagittal section from thin section number KN 8-14.2 (x10).

5-6 *Misellina otai* **Sakaguchi and Sugano**..... 76

(5) Axial section from thin section number KN 22-2.1, x10; (6) Axial section from thin section number KN 23-7.13, x10.

7-15 *Misellina* cf. *termieri* **Deprat** 71

All Photographs x10 except figure 12 (x20), (7) Axial section from thin section number KN 7.1-3.1; (8-9) Axial section from thin section number KN 3-1.1, 3-10.1; (10) Axial section from thin section number KN 8-1.1; (11) Tangential section from thin section number KN 12-4.1; (12) Axial section from thin section number KN 12.1-4.1; (13-14) Axial section from thin section number KN 22-3.1, 22-3.2; (15) Axial section from thin section number KN 22.1-6.1.

16-17 *Misellina* sp. 70

(16) Oblique section from thin section number KN 12-7.2 (x10); (17) Oblique section from thin section number KN 12.1-5.1 (x10).

EXPLANATION OF PLATE 13 (Continue)

Figure Page

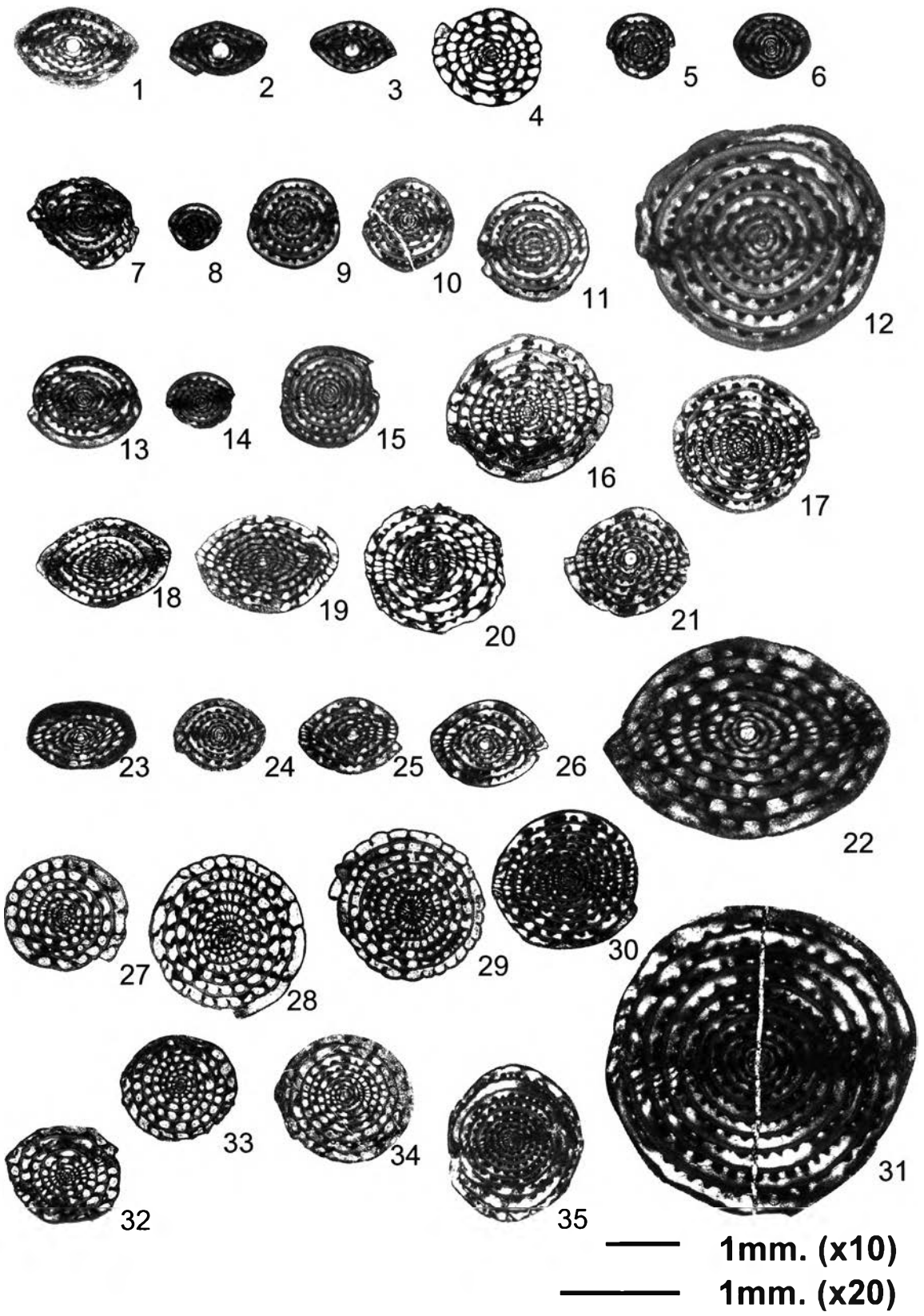
18-26 *Misellina confragaspira* Leven 73

All Photographs x10 except figure 22 (x20), (18) Axial section from thin section number KN 15-2.1; (19) Axial section from thin section number KN 0-15.1; (20) Sagittal section from thin section number KN 7.3-15.4; (21) Oblique section from thin section number KN 22.1-5.1; (22 and 24) Axial section from thin section number KN 23-4.1, 23-4.11; (23) Axial section from thin section number KN 23-3.4; (25) Axial section from thin section number KN 14-1.1; (26) Axial section from thin section number KN 21-8.1.

27-35 *Misellina claudiae* 77

All Photographs x10 except figure 31 (x20), (27-29) Oblique section from thin section number KN 3-11.1, 3-13.1, 3-9.2; (30-31 and 35) Axial section from thin section number KN 5-4.1, 5-12.1, 5-3.2; (32-33) Sagittal section from thin section number KN 7.1-8.1, 7.1-9.3; (34) Oblique section from thin section number KN 7.3-1.1.

Plate 13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EXPLANATION OF PLATE 14

Figure Page

1-5 *Armenia* sp. 69

(1-2) x10 and (3-5) x20, (1) Oblique section from thin section number KN 3-4.3; (2) Oblique section from thin section number KN 11-9.1; (3) Axial section from thin section number KN 7.3-11.1; (4) Oblique section from thin section number KN 3-2.1; (5) Oblique section from thin section number KN 23-3.4.

6 *Verbeekina (Armenia) saraburiensis* **Toriyama and Kanmera** 69

Oblique section from thin section number KN 0-1.1 (x20).

7-12 *Maklaya* sp. 85

All Photographs x10, (7-10) Oblique section from thin section number KN 24-8.6, 24-4.2, 24-4.6, 24-2.3; (11-12) Oblique section from thin section number KN 23-7.12, 23-4.3.

13-16 *Maklaya sethaputi* **Kanmera and Toriyama** 88

All Photographs x10 except figure 15 and 16 (x20), (13-14) Oblique section from thin section number KN 9-4.1, 9-7.1; (15-16) Axial section from thin section number KN 24-4.3, 24-1.1.

17-19 *Maklaya pamirica* **Leven** 86

All Photographs x10, (17-19) Oblique section from thin section number KN 5-11.2, 5-11.1, 5-10.1.

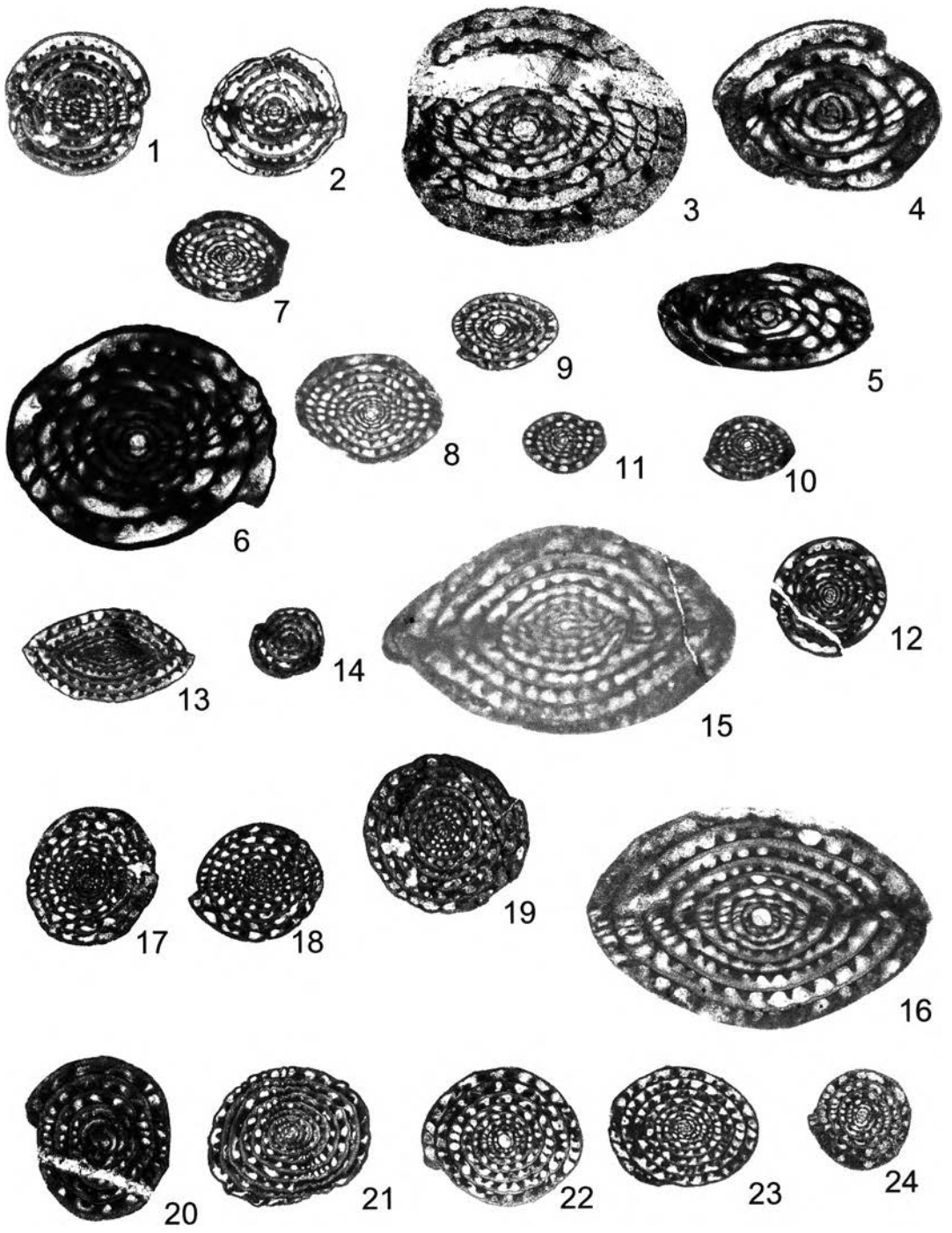
EXPLANATION OF PLATE 14 (Continue)

Figure Page

20-24 *Maklaya saraburiensis* **Kanmera and Toriyama** 89

(20) Oblique section from thin section number KN 5-11.3, x20; (21) Oblique section from thin section number KN 10-1.1, x20; (22-24) Oblique section from thin section number KN 23-9.1, 23-7.1, 23-8.2.

Plate 14



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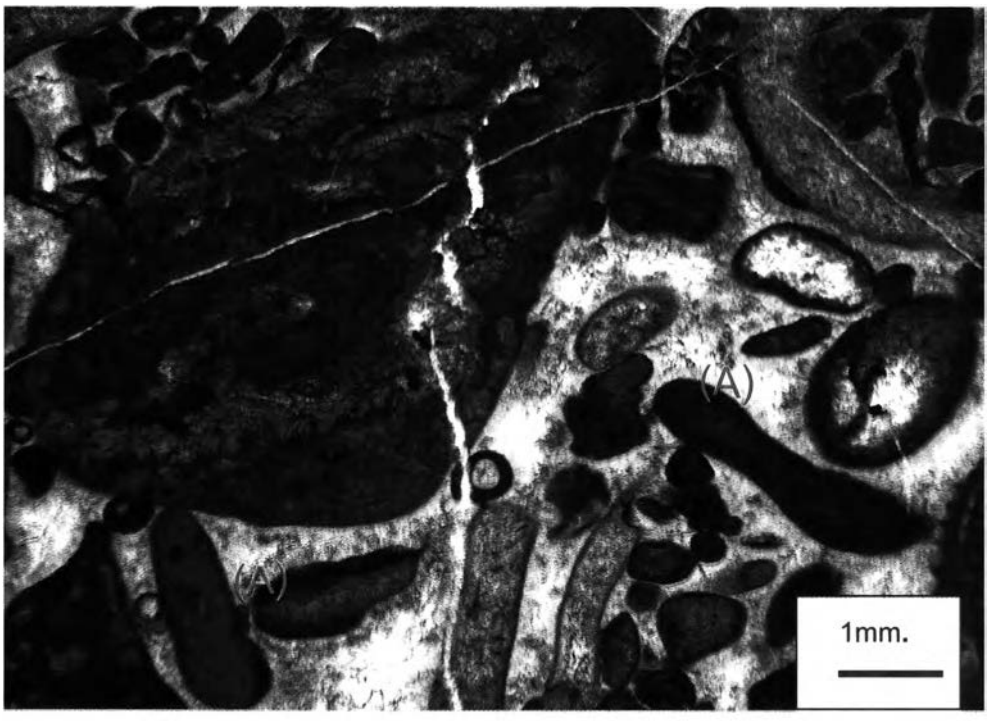
EXPLANATION OF PLATE 15

Figure

1 Carbonate texture from thin section no. BHK 2-1 shows bioclastic packstone including (A) algae.

2 Carbonate texture from thin section no. KMN 1-4 shows bioclastic packstone to packstone including (A) algae.

Plate 15



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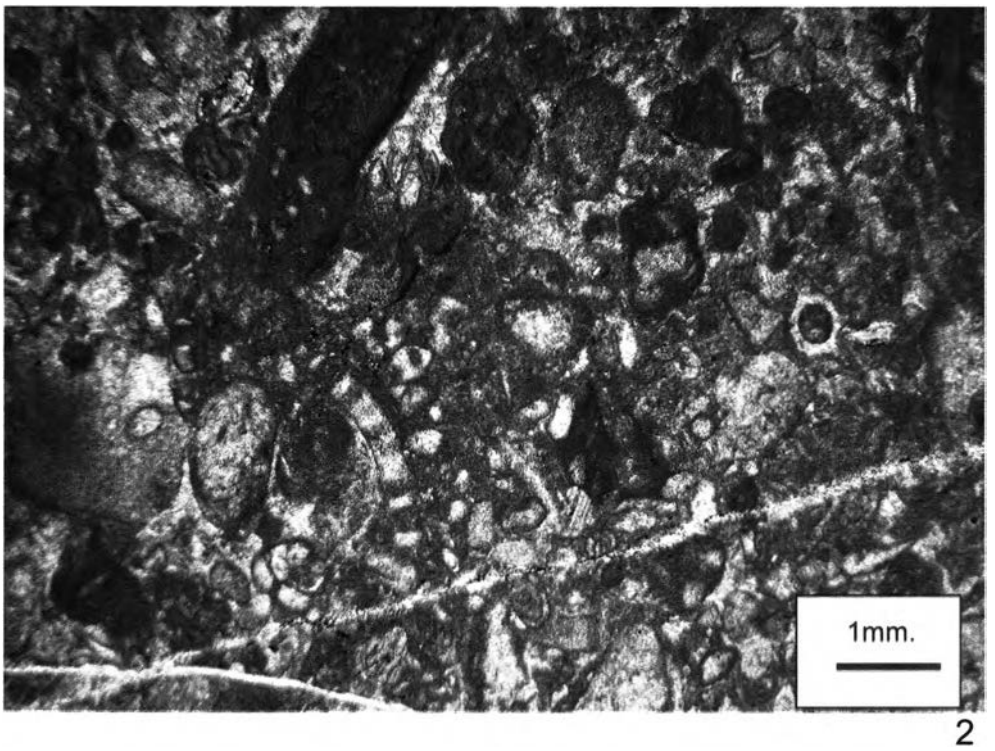

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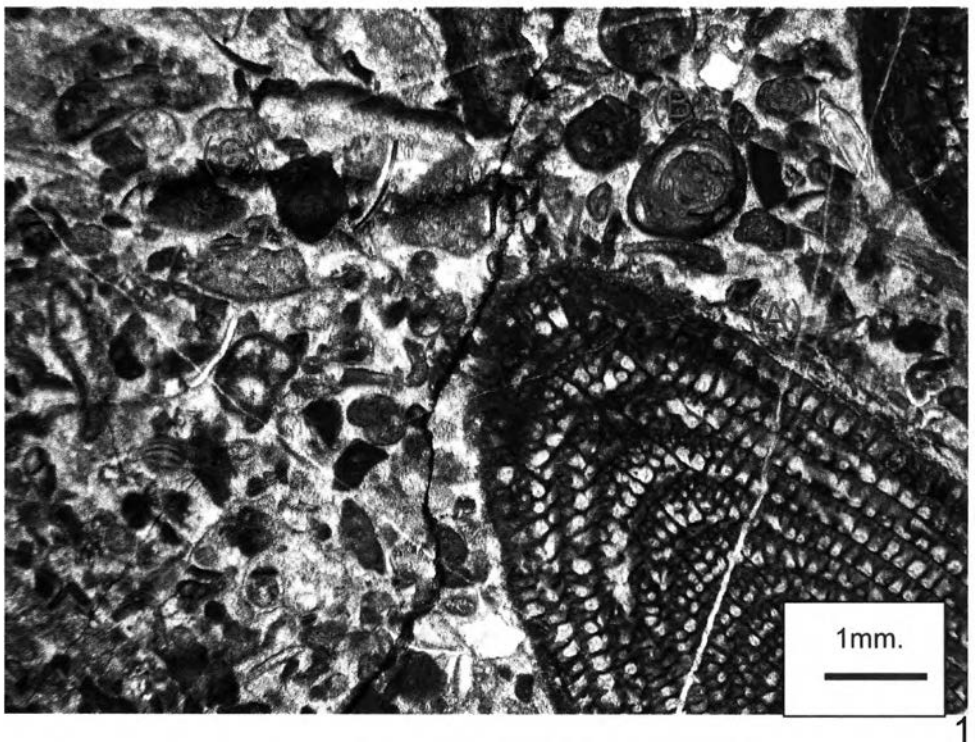
EXPLANATION OF PLATE 16

Figure

1 Carbonate texture from thin section no. KK 3 shows bioclastic packstone including (A) *Lepidolina* sp., (B) Smaller foram and (C) algae.

2 Carbonate texture from thin section no. KT 10 shows bioclastic wackestone to packstone including (A) *Lepidolina* sp., (B) Smaller foram.

Plate 16



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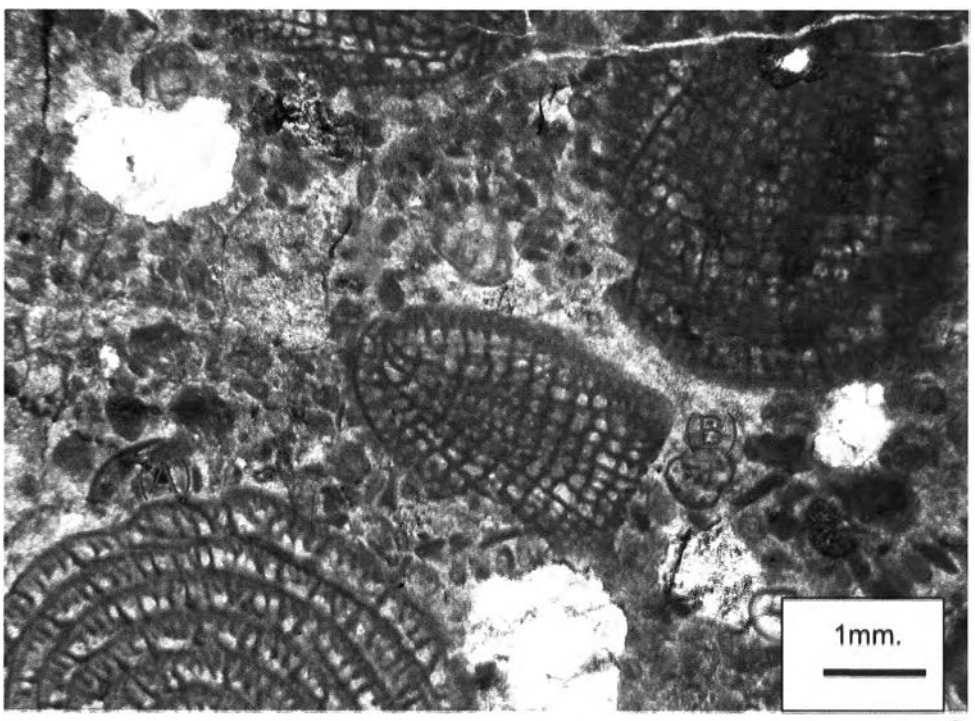

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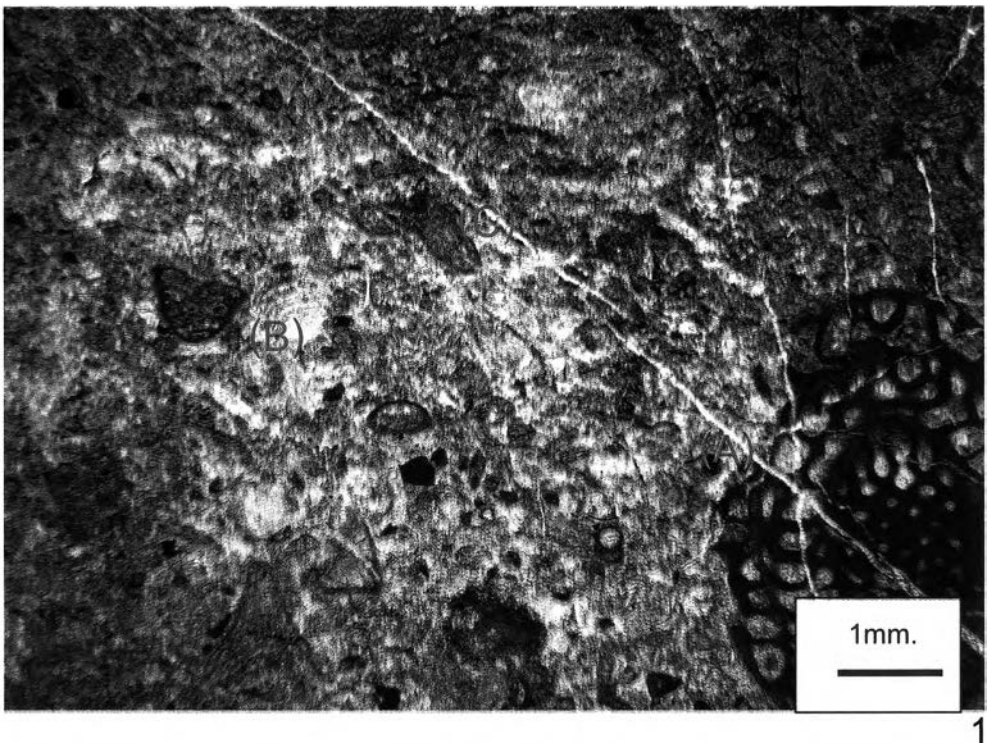
EXPLANATION OF PLATE 17

Figure

1 Carbonate texture from thin section no. KS 3 shows bioclastic wackestone including (A) fusulinoidea., (B) Smaller foram and (C) algae.

2 Carbonate texture from thin section no. KCL 3 shows bioclastic wackestone including (A) fusulinoidea.

Plate 17



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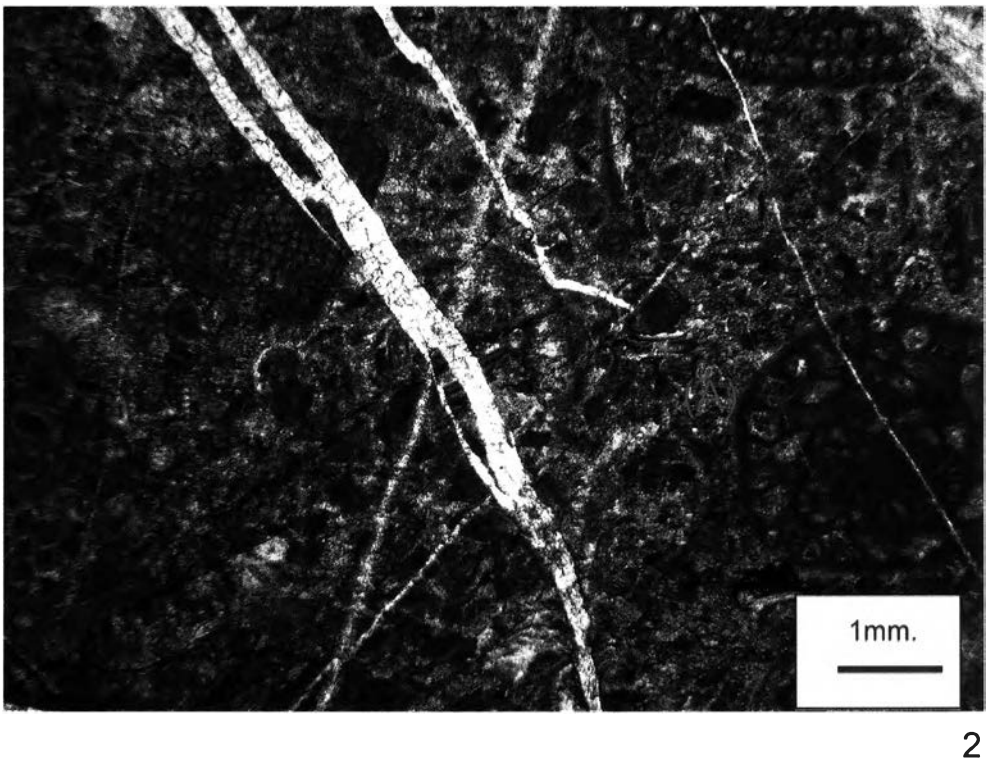

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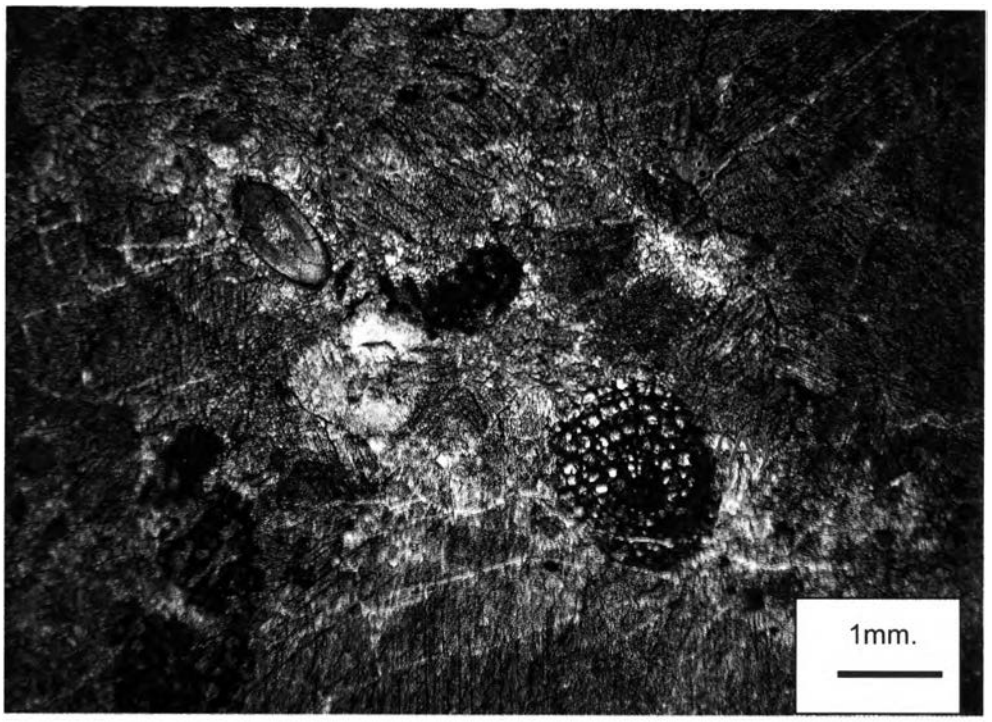
EXPLANATION OF PLATE 18

Figure

1 Carbonate texture from thin section no. KNV 1-1 shows very poor preserve bioclastic wackestone including (A) *Cancellina* sp., (B) spine of brachiopod.

2 Carbonate texture from thin section no. KP 1 shows bioclastic wackestone to packstone including (A) *Nankinella* sp., (B) algae.

Plate 18



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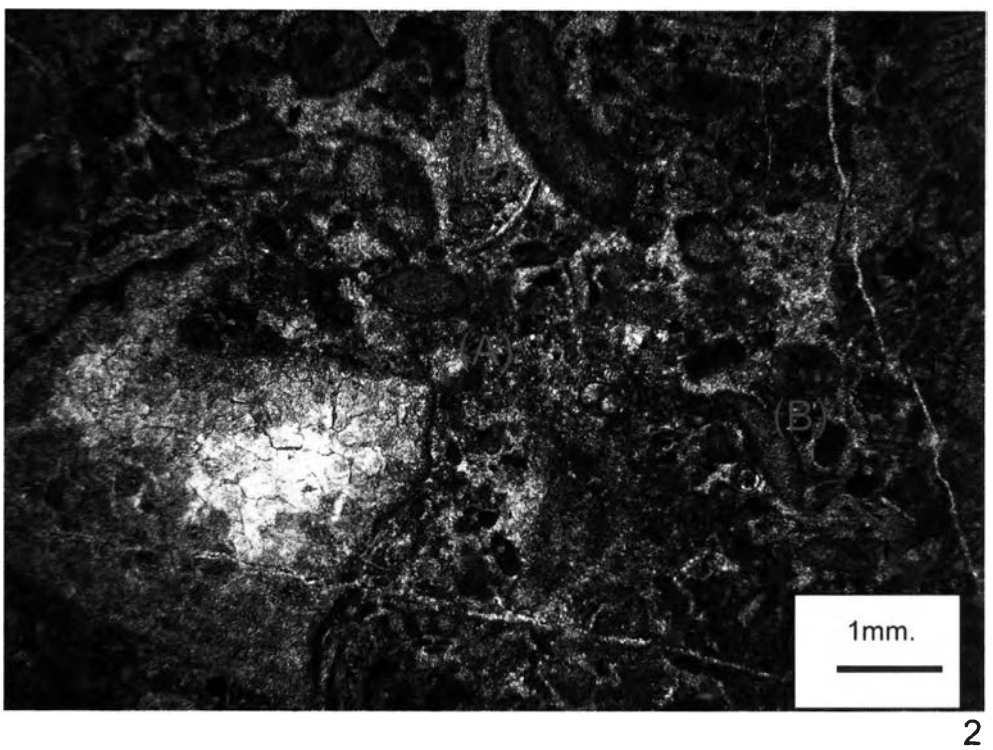

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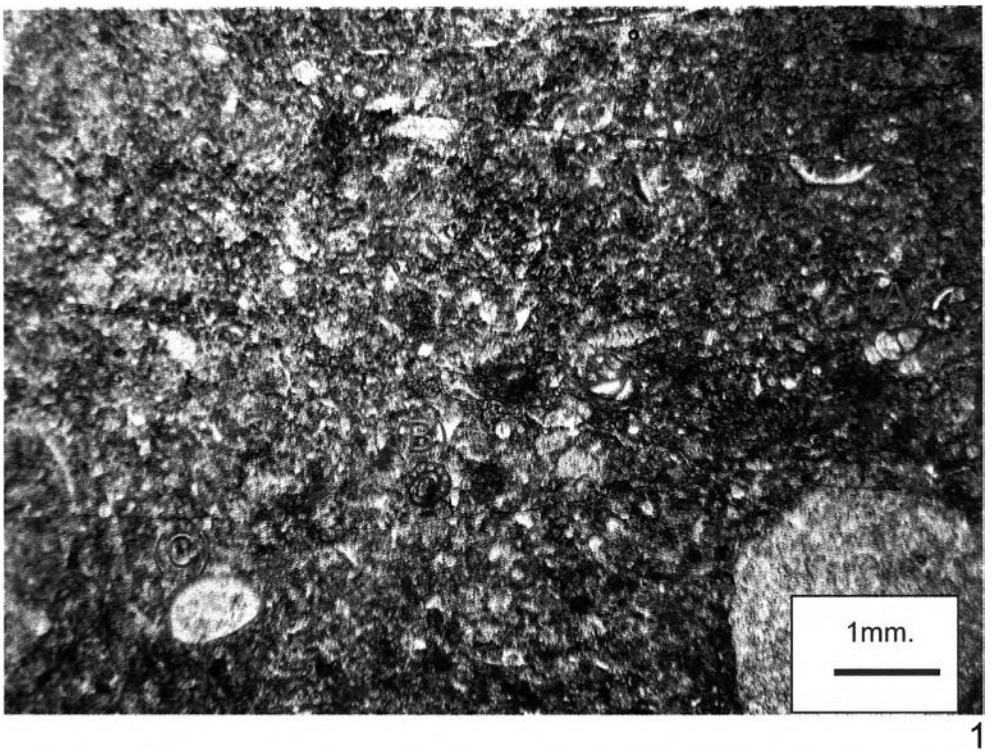
EXPLANATION OF PLATE 19

Figure

1 Carbonate texture from thin section no. KKJ 1-3 shows bioclastic wackestone including (A) smaller foram, (B) *Schubertella* sp. and (C) ostracod.

2 Carbonate texture from thin section no. KLK 1-3 shows bioclastic wackestone.

Plate 19



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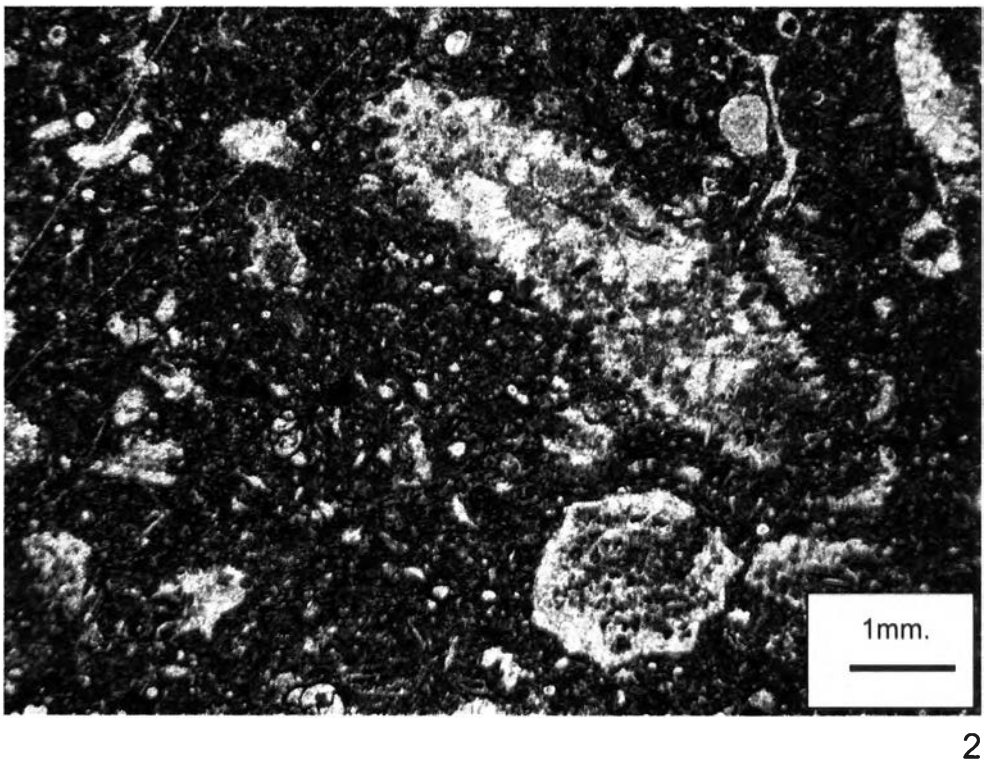

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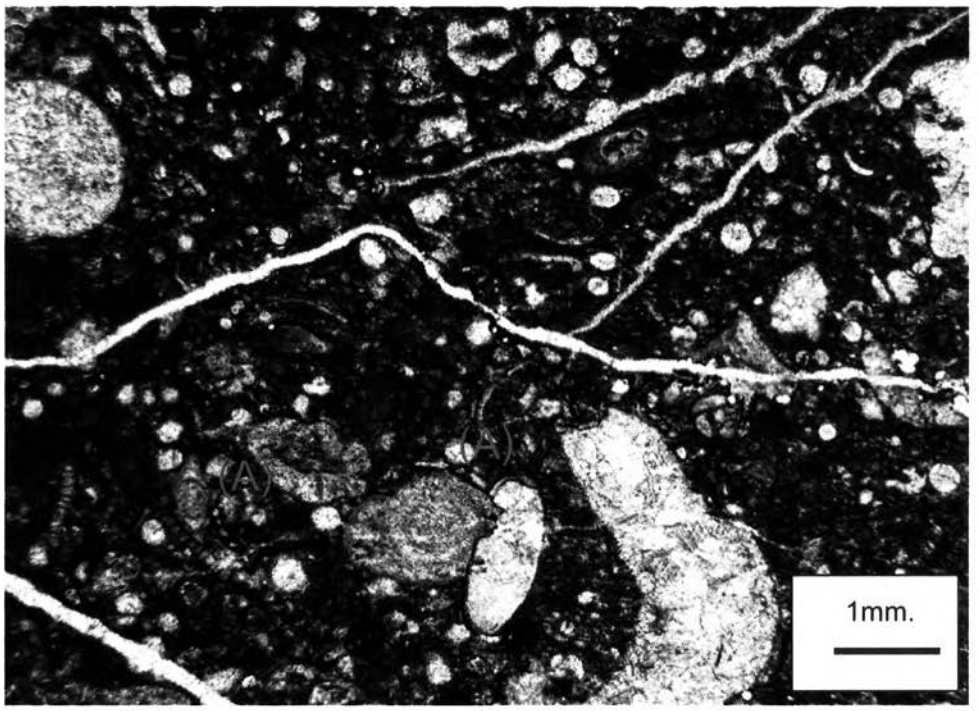
EXPLANATION OF PLATE 20

Figure

1 Carbonate texture from thin section no. KLK 6.2-6 shows bioclastic packstone including (A) *Nankinella* sp.

2 Carbonate texture from thin section no. KLK 4-5 shows bioclastic packstone including (A) ostracod and (B) algae.

Plate 20



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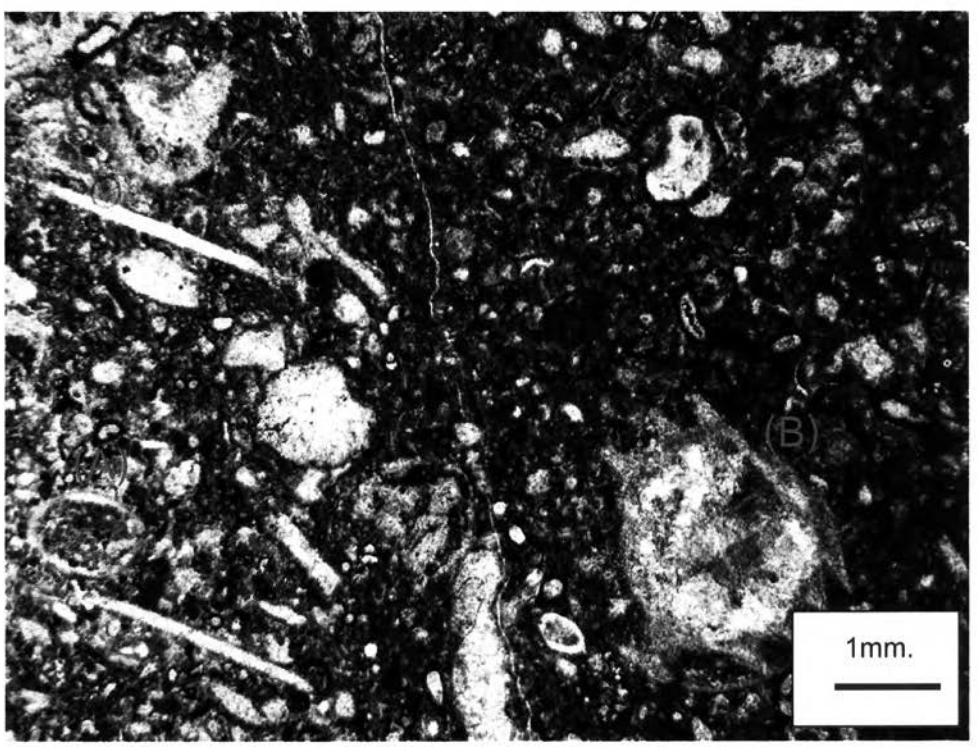

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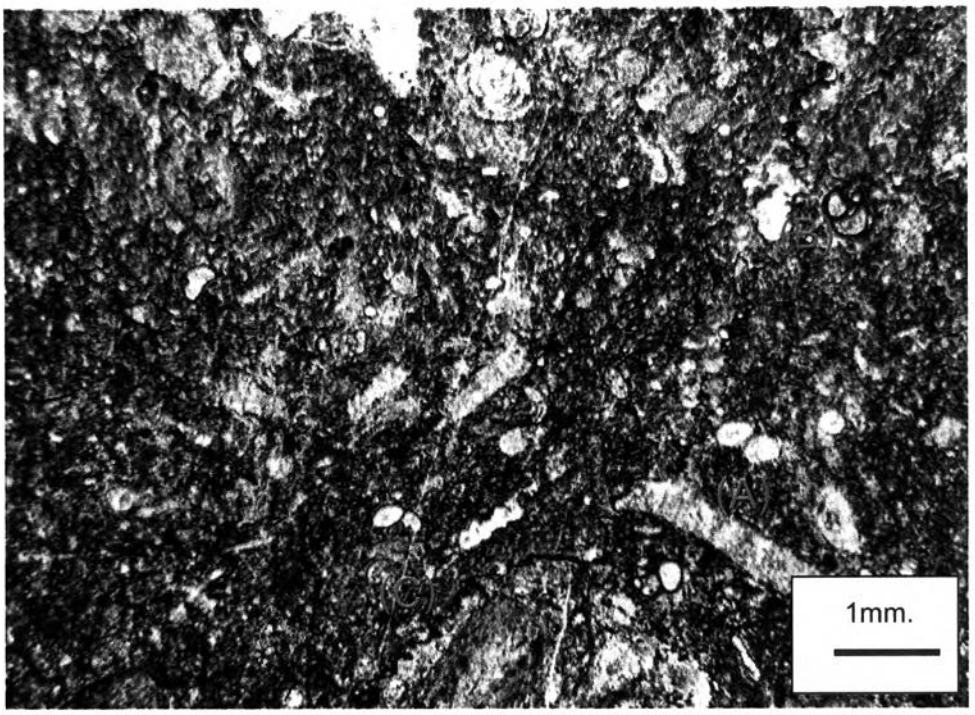
EXPLANATION OF PLATE 21

Figure

1 Carbonate texture from thin section no. KLK11-3 shows bioclastic packstone including (A) shell fragment, (B) smaller forams and (C) stylolites.

2 Carbonate texture from thin section no. KLK 41-3 shows bioclastic packstone including (A) peloids.

Plate 21



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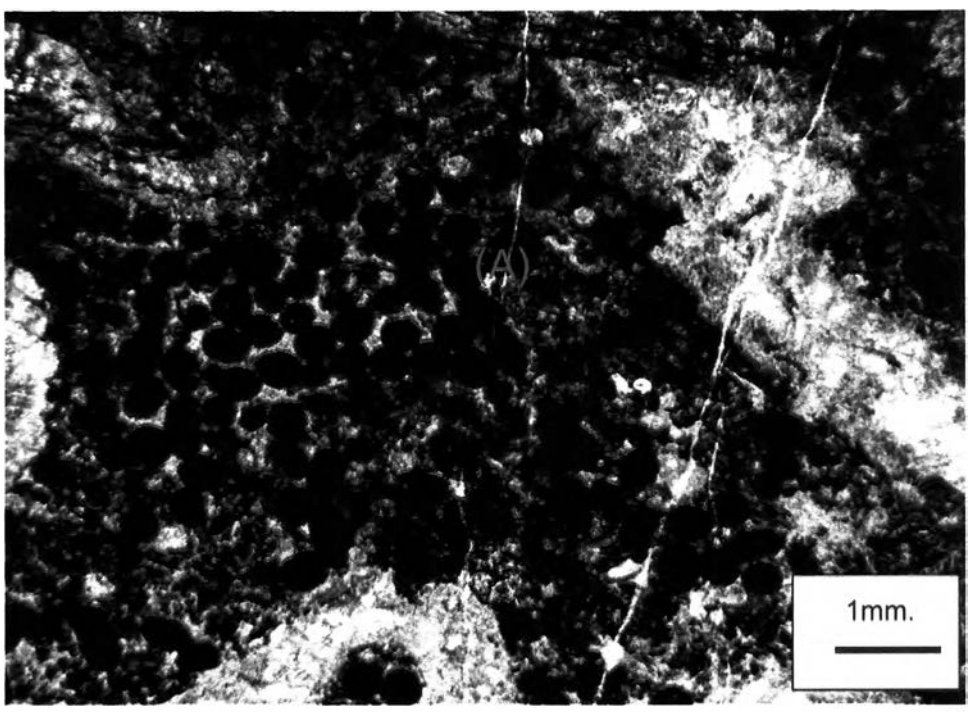

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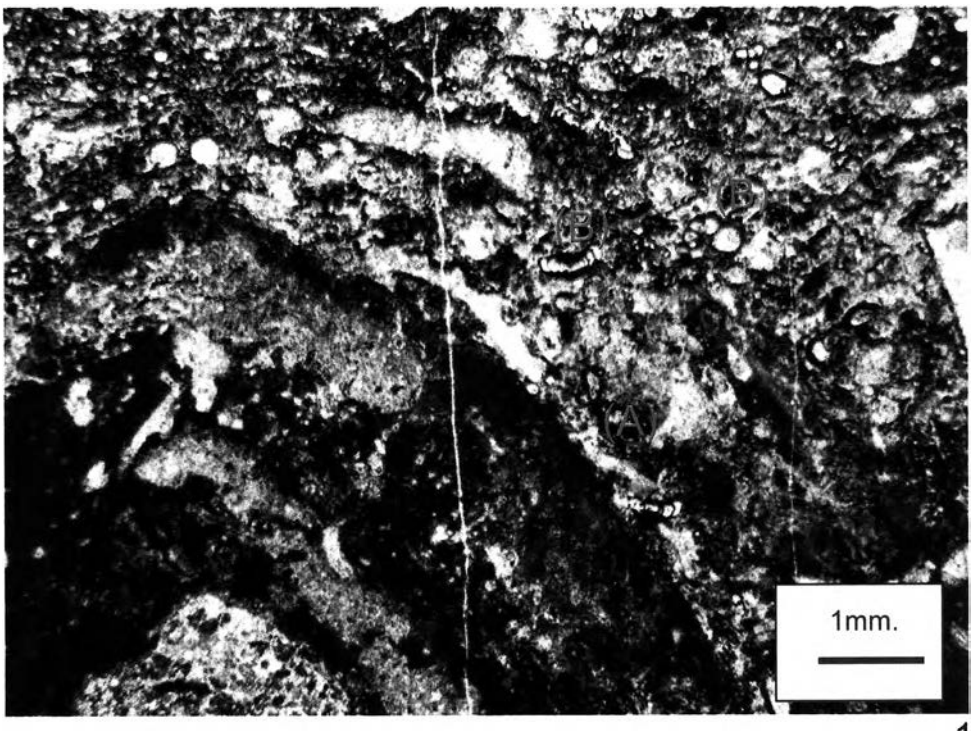
EXPLANATION OF PLATE 22

Figure

1 Carbonate texture from thin section no. KLK 19-5 shows bioclastic packstone including (A) encrust of algae by micro organism and (B) smaller forams.

2 Carbonate texture from thin section no. KLK 41-3 shows bioclastic packstone including (A) shell fragment and (B) peloids.

Plate 22



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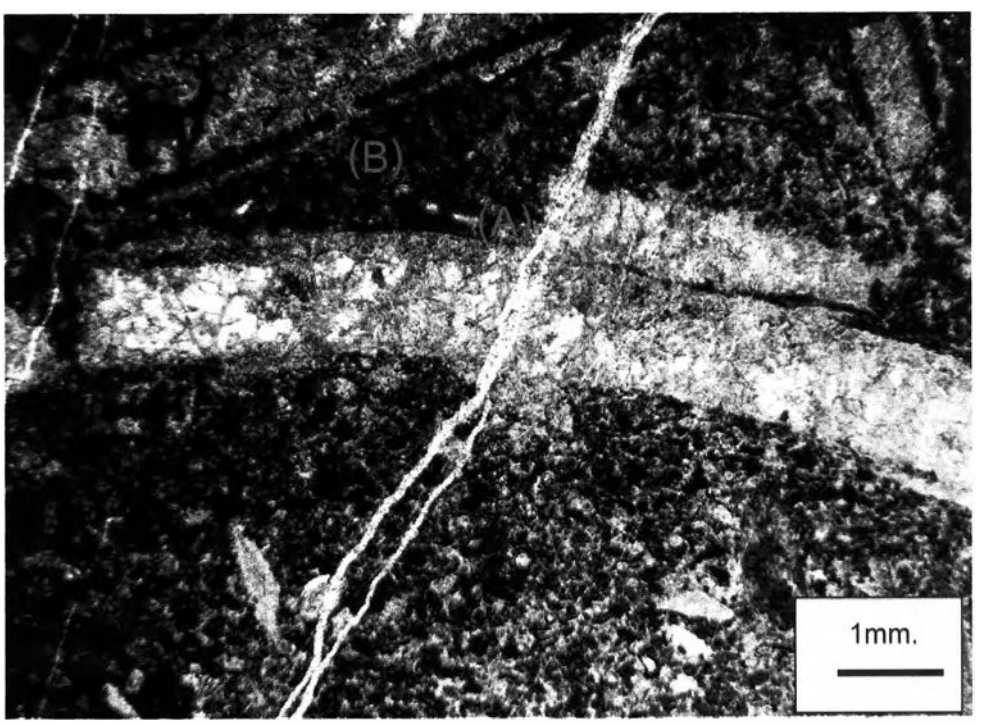

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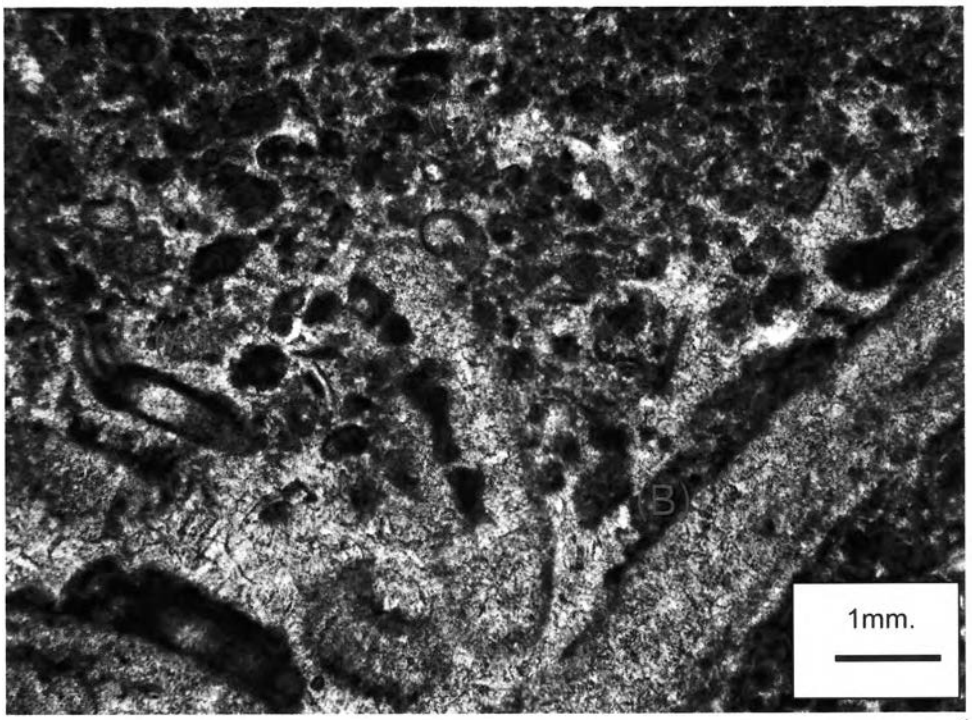
EXPLANATION OF PLATE 23

Figure

1 Carbonate texture from thin section no. KN 0-13 shows bioclastic wackestone to packstone including (A) algae, (B) shell fragment and (C) peloids.

2 Carbonate texture from thin section no. KN 7.1-8 shows bioclastic wackstone to packstone including (A) smaller forams and (B) shell fragment.

Plate 23



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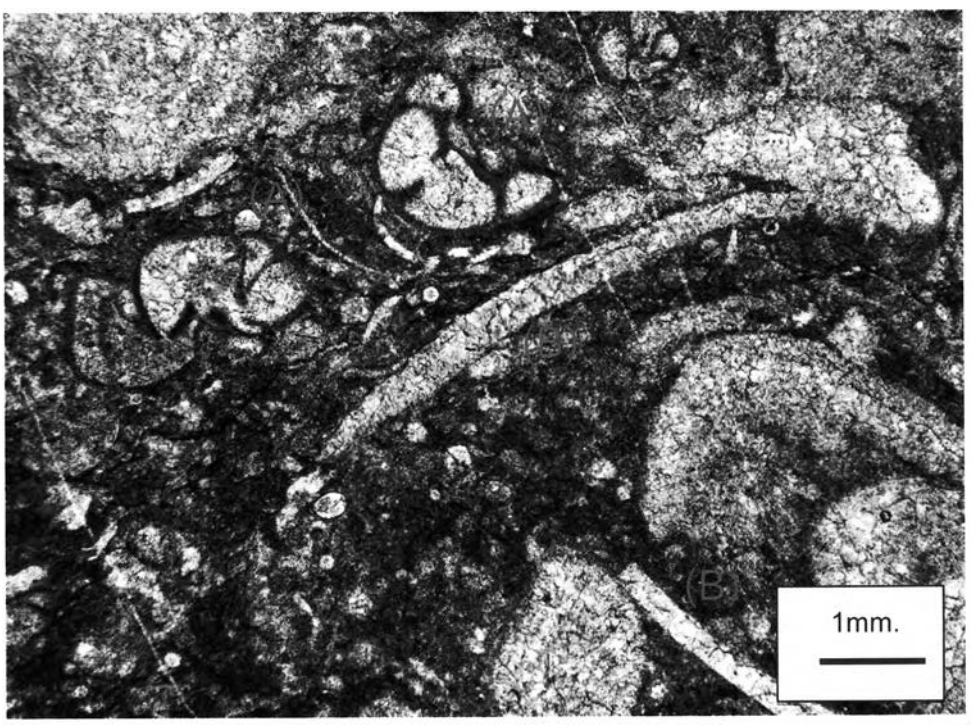

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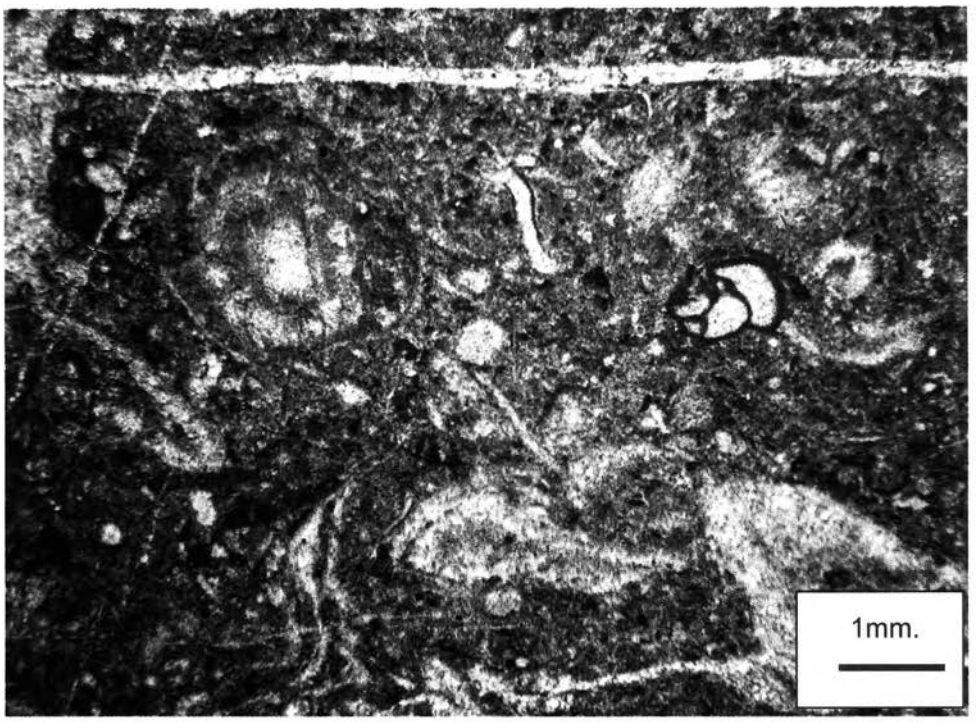
EXPLANATION OF PLATE 24

Figure

1 Carbonate texture from thin section no. KN 7.3-11 shows bioclastic wackestone to packstone including (A) smaller forams and (B) shell fragment.

2 Carbonate texture from thin section no. KN 13-1 shows bioclastic mudstone.

Plate 24



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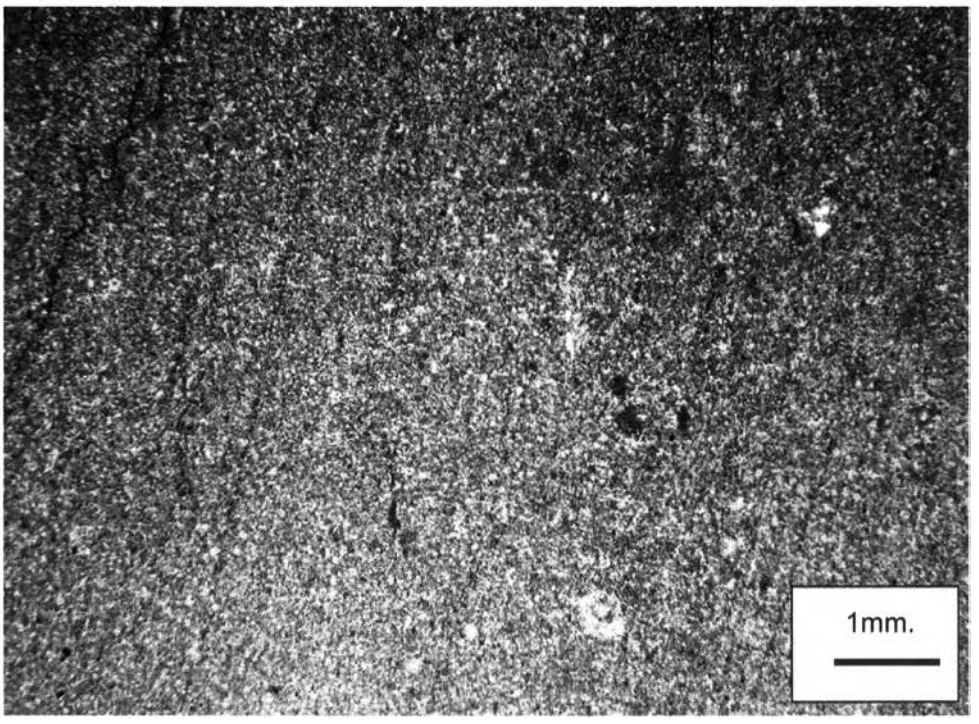

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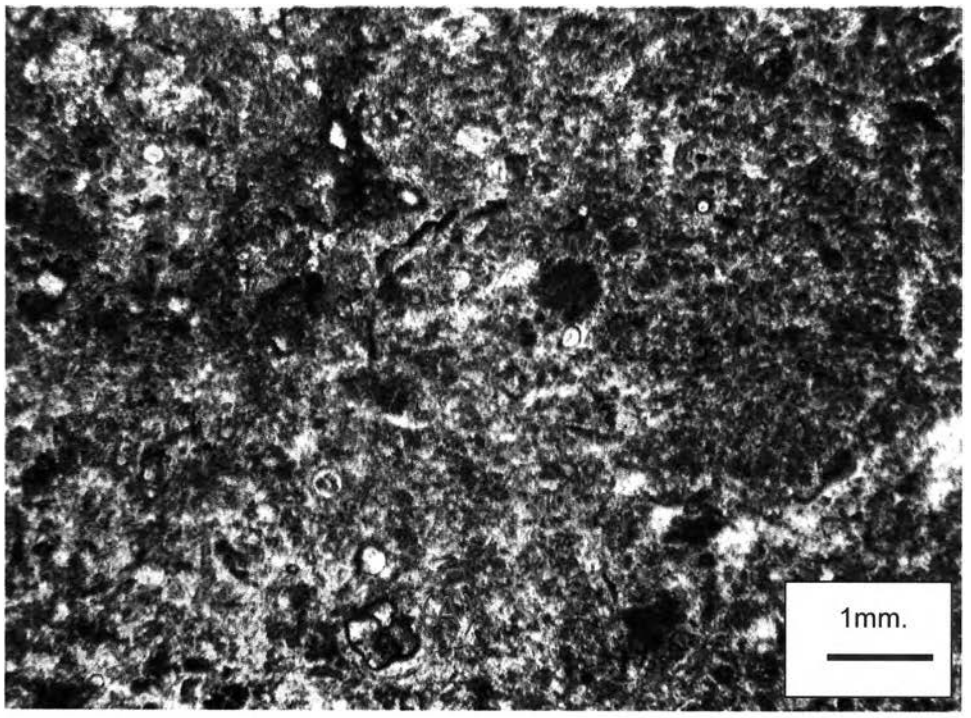
EXPLANATION OF PLATE 25

Figure

1 Carbonate texture from thin section no. KN 15-2 shows bioclastic wackestone including (A) smaller foram.

2 Carbonate texture from thin section no. KN 6-9 shows bioclastic wackstone to packstone including (A) shell fragment (B) *Nankinella* sp. and (C) ostracod.

Plate 25



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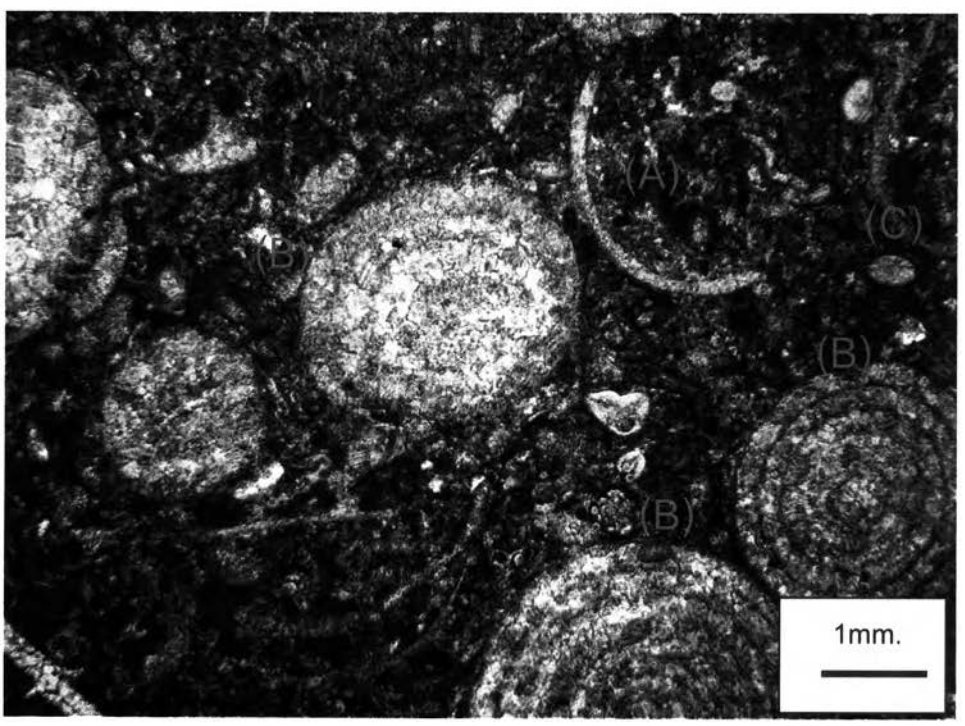

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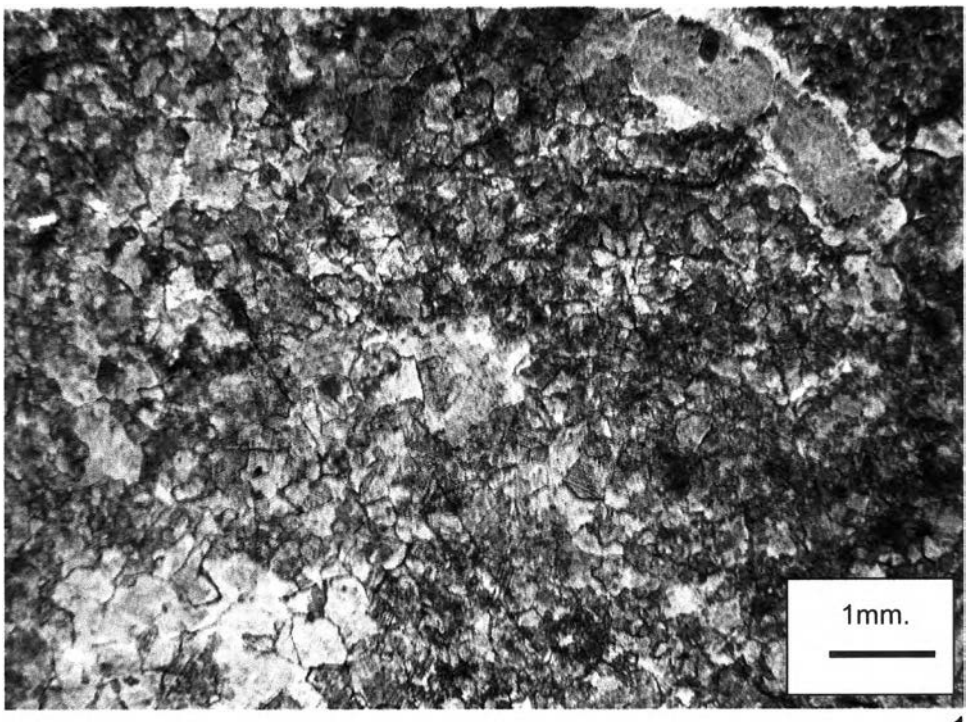
EXPLANATION OF PLATE 26

Figure

1 Carbonate texture from thin section no. KNN 25 shows dolomitic limestone.

2 Carbonate texture from thin section no. KNN 7 shows bioclastic packstone including (A) fusulinoidea.

Plate 26



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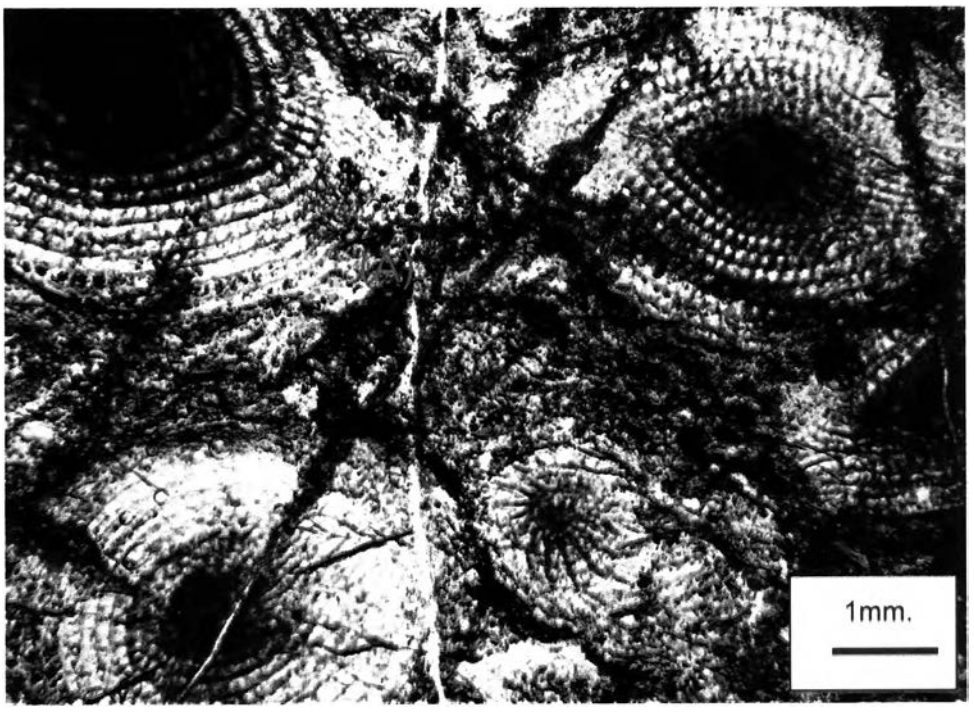

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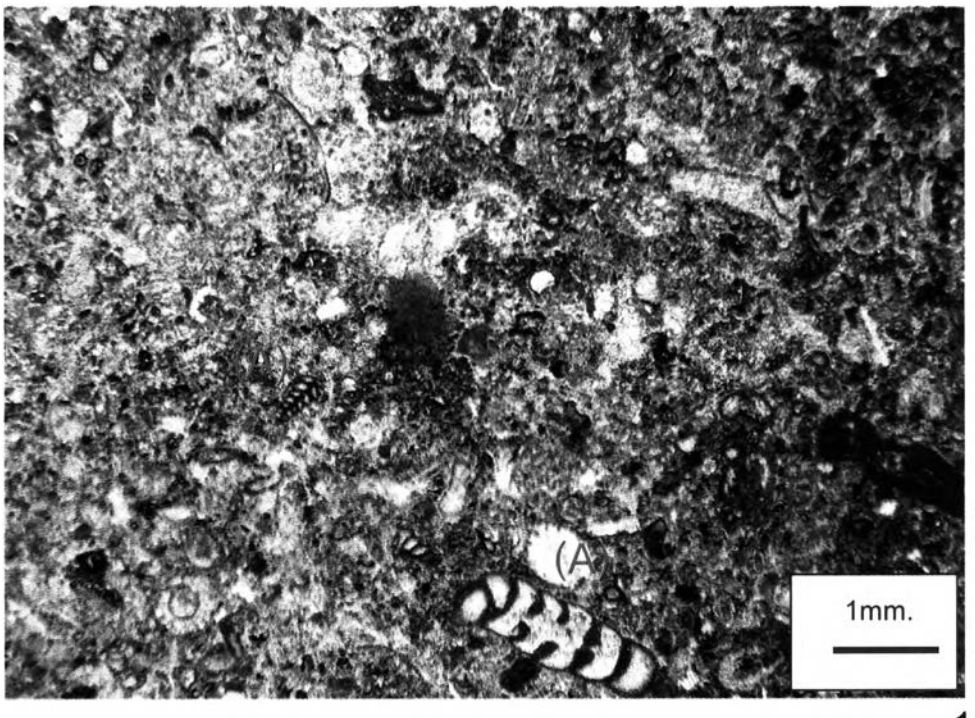
EXPLANATION OF PLATE 27

Figure

1 Carbonate texture from thin section no. KNN 20 shows bioclastic wackestone including (A) fusulinoidea.

Plate 27



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BIOGRAPHY

Miss Teerarat Napradit was born on 26 May 1980, at Bangkok. She has got Bachelor Degree of Science from Department of Microbiological Science, Faculty of Science, Chulalongkorn University, in 2002. At present, she is study the Master program on Earth Science, Department of Geology at Faculty of Science, Chulalongkorn University. Currently, she has presented a paper concerning fusulinoidea from Changwat Nakhon Sawan in the International Geoscience Programme IGCP 516 at University of Tsukuba, Japan on 10-17 October 2005.