Table 1. Measurements of *Minojapanella elongata* FUJIMOTO et KANUMA

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions 1	2	3	4	5	6	7	8	9	10
1	2	10	ON 492 a	1.8	0.5	3.6	5	.03	.02	.03	.04	.08	.06					
2	2	12	ON 492 b	2.8	0.4	6.6	4	.03	.03	.03	.03	.06	.08					
3	2	14	Og 27-23		0.5		6	.03	.01	.01	.02	.03	.04	.06				
4	2	15	Og 27- 5		0.5		4	.04	.03	.03	.06	.07						

Sp.	Thickness of Spirotheca 1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										

Sp.	Septal count 1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4	9	19	22							

Sp.	Tunnel angle° 1	2	3	4	5	6	7	8	9	10
1			30°	50°						
2										
3										
4										

Table 2. Measurements of *Schubertella yadaniensis* MORIKAWA et ISOMI, n. sp.

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions 1	2	3	4	5	6	7	8	9	10
1	2	1	ON 468-2e	1.2	0.5	2.4	4	.04	.02	.04	.06	.10						
2	2	3	ON 468 b	1.2	0.6	2.0	5	.04	.02	.03	.04	.08	.12					
3	2	4	ON 508 a	1.6	0.6	2.7	5	.02	.02	.05	.06	.08	.12					
4	2	5	ON 318 a	1.5	0.7	2.1	5	.05	.02	.05	.05	.09	.12					
5	2	6	ON 145 a	1.4	0.6	2.3	4	.03	.05	.05	.04	.11						
6	2	7	ON 318 c		0.5		4	.05	.02	.03	.07	.10						
7	2	8	ON 514-2b	0.8	0.7	1.2	5	.02	.02	.03	.04	.08	.12					
8	2	9	ON 392	0.9	0.6	1.5	4	.06	.03	.03	.06	.10						
9	2	16	ON 318 b		0.5		5	.05	.02	.03	.05	.08	.12					

Sp.	Thickness of Spirotheca 1	2	3	4	5	6	7	8	9	10
1										
2	.005	.005	.005	.01	.02					
3	.01	.01	.02	.02	.02					
4	.01	.01	.02	.02						
5										
6										
7	.005	.005	.01	.02	.03					
8										
9	.005	.005	.01	.01	.02					

Sp.	Septal count 1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6	6	14	15							
7										
8										
9	7	13	15	12						

Sp.	Tunnel angle° 1	2	3	4	5	6	7	8	9	10
1	60°	55°								
2			45°	55°						
3		55°	60°							
4	55°	55°	55°							
5		75°	70°							
6										
7										
8			70°							
9										

Table 3. Measurements of *Yangchienia* sp.

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions 1	2	3	4	5	6	7	8	9	10
1	9	12	Og 6-26	1.5	1.0	1.5	6	.04	.08	.04	.04	.06	.08	.10				
2	9	13	Og 6-40		1.3		8	.04	.06	.04	.04	.06	.05	.08	.10	.12		
3	9	14	ON 364	1.8	0.9	2.0	4	.08	.04	.06	.12	.16						

Sp.	Thickness of Spirotheca 1	2	3	4	5	6	7	8	9	10
1										
2										
3	.01	.02	.02	.03						

Sp.	Septal count 1	2	3	4	5	6	7	8	9	10
1										
2	4	10	15	17	20	22	24			
3										

Sp.	Tunnel angle° 1	2	3	4	5	6	7	7	8	9
1										
2										
3		44°	45°							

Table 4. Measurements of *Biwaella omiensis* MORIKAWA et ISOMI, n. sp.

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions 1	2	3	4	5	6	7	8	9	10
1	1	1	ON 492-B	3.0	0.6	4.2	5	.06	.06	.06	.06	.10	.12					
2	1	3	ON 492 a	3.2	0.8	4.0	5	.05	.04	.04	.08	.09	.10					
3	1	4	ON 468-2h	2.2	0.7	3.1	5	.03	.04	.05	.04	.10	.10					
4	1	6	ON 248 a	1.2*	0.3*	4.0	5	.02	.03	.04	.06	.08						
5	1	8	ON 468 e	1.2*	0.4*	3.5	5	.06	.02	.04	.08	.09	.14					
6	1	9	ON 315 b		0.9		5	.05	.03	.04	.09	.14	.13					
7	1	10	ON 315 a		0.8		5	.04	.02	.04	.06	.10	.14					
8	1	11	ON 468 c		0.8		5	.06	.03	.05	.08	.10	.11					
9	1	12	ON 467 a	1.1*	0.8	2.7	4	.05	.04	.10	.08	.14						
10	1	14	ON 360	1.7	0.9	2.0	3	.08	.06	.10	.10							
11	1	15	ON 266 a	1.7	0.8	2.3	3	.08	.06	.04	.18							
12	1	16	ON 266 b	0.8	0.6	1.3	4	.04	.05	.06	.09	.09						

Sp.	Thickness of Spirotheca 1	2	3	4	5	6	7	8	9	10
1	.01	.02	.03	.04	.05					
2	.01	.01	.02	.03	.03					
3	.01	.02	.02	.03	.04					
4	.01	.01	.02	.03						
5	.01	.01	.01	.04	.04					
6	.01	.01	.02	.03	.04					
7	.01	.01	.02	.02	.03					
8	.005	.02	.03	.04						
9	.01	.01	.02	.03	.03					
10	.01	.02								
11	.01	.02	.03							
12	.01	.01	.01	.02						

Sp.	Septal count 1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6	4	8	10	10	7					
7	3	8	10	11	7					
8	4	7	8							
9										
10										
11										
12										

Sp.	Tunnel angle° 1	2	3	4	5	6	7	8	9	10
1		40°	53°	58°						
2			55°	55°						
3			33°							
4			85°							
5		42°	55°	55°						
6										
7										
8										
9			70°							
10		30°								
11										
12										

Table 5. Measurements of *Pseudoschwagerina* (*Zellia*) *nunosei* HANZAWA

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions 1	2	3	4	5	6	7	8	9	10
1	3	1	Og 29-5a	7.9	5.7	1.3	6	.24	.12	.54	.64	.74						
2	3	2	Og 34-3		7.7		5	.44	.24	.84	1.06	.52						

Sp.	Thickness of Spirotheca 1	2	3	4	5	6	7	8	9	10
1	.03	.01	.01	.08	.08					
2	.04	.02	.04	.04	.12					

Sp.	Septal count 1	2	3	4	5	6	7	8	9	10
1										
2	10	11	14	18						

Table 6. Measurements of *Paraschwagerina akiyoshiensis* TORIYAMA

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	3	3	Og 16-4	3.8*?	4.1 ?	1.8	8	.03	.06	.04	.06	.11	.22	.62	.74				.01	.01	.02	.03	.06	.10	.14	.12		
2	3	4	ON 314b	7.0 ?	2.0*?	1.8	6	.03	.04	.06	.14	.42	.42						.01	.02	.03	.04	.04					
3	3	5	Og 32-1		4.0		5	.02											.01	.04	.05	.08	.09					

Table 7. Measurements of *Paraschwagerina* aff. *kansasensis* (BEEDE et KNIKER)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	5	4	ON 157	10.5	6.0	1.8	6	—	—	.14	.64	.84	.68	.54					.02	.03	.04	.06	.10	.12				

Table 8. Measurements of *Paraschwagerina gigantea* (WHITE)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	5	1	ON 192	15.0	7.0	2.1	8	—	.14	.18	.20	.40	.42	.56	.46	.40			.04	.05	.04	.05	.06	.12	.05	.08		
2	5	2	Og 26-3	7.5	5.4	1.4	7	.12	.12	.20	.38	.50	.58	.60	.42				.04	.04	.04	.08	.08	.10	.08			
3	5	3	ON 267		7.0		10	.04	.02	.04	.07	.11	.18	.48	.64	.60	.62		.01	.01	.01	.02	.03	.06	.07	.10	.08	.08

Table 9. Measurements of *Paraschwagerina* (*Acervoschwagerina*) *endoi* HANZAWA

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	4	1	Og 27-16	13.0	4.5	2.9	6	.16	0.08	.12	.41	.68	.72	.50					.02	.02	.03	.04	.06	.10				
2	4	2	Og 2-6-10a	11.4	4.0	2.3	6	.18	.06	.08	.12	.68	.64	.18					.02	.02	.04	.04	.08	.08				
3	4	3	Og 2-6-10b	8.6	4.4	2.0	6	.20	.04	.06	.08	.28	.82	—					.02	.02	.02	.03	.04	—				
4	4	4	Og 2-6-9a		5.2		6	.12	.06	.08	.18	.60	.84	.82					.02	.02	.03	.06	.08	.16				
5	4	5	Og 2-6-3		5.7		6	.18	.06	.07	.16	.54	1.00	.80					.01	.02	.02	.03	.06	.08				
6	4	6	Og 2-6-5		5.7		6	.21	.06	.08	.30	1.20	.80	.60					.02	.03	.04	.04	.07	.08				

Sp.	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5	11	18	18	19	32	41				
6	17	21	28	28	37	—				

Table 10. Measurements of *Pseudofusulina* aff. *valida* (LEE)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	6	16	ON 526-1	9.0	2.0	4.5	4	.82	.12	.16	.26	.32							0.2	.04	.08	.10						

Table 11. Measurements of *Pseudofusulina* aff. *subtilis* (SCHELLWIEN)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	6	15	ON 526-2	9.3	3.5	2.7	7	.04	.03	.04	.04	.10	.20	.40	.62				.01	.01	.02	.03	.07	.08	.12			

Table 12. Measurements of *Pseudofusulina okafujii* (TORIYAMA)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count										
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	6	1	ON 432 a	4.0	2.2	1.9	5	.26	.08	.18	.22	.28							.04	.06	.06	.10							1										
2	6	2	ON 424	4.8	2.6	1.9	6	.24	.10	.18	.22	.22	.30	.36					.01	.05	.06	.06	.08	.12					2										
3	6	3	ON 458	4.0	2.6	1.5	5	.24	.10	.16	.28	.30	.28						.03	.04	.10	.10	.10						3										
4	6	5	ON 436 d	5.4	2.7	2.0	6	.20	.06	.08	.16	.28	.30	.46					.01	.02	.04	.07	.08	.10					4										
5	6	6	ON 432 b	2.3*	2.1	2.2	6	.28	.06	.08	.12	.24	.24	.34					.02	.03	.04	.08	.08	.12					5										
6	6	7	ON 478 a	5.5	2.2	2.1	5	.26	.08	.12	.22	.37	.40						.02	.04	.06	.08	.13						6										
7	6	8	ON 406		2.8		5	.38	.14	.13	.18	.22	.28						.02	.05	.06	.10	.10						7	6	11	17							
8	15	7	ON 436 e		1.6		5	.46	.12	.12	.20	.26	.50						.06	.06	.06	.10	.10						8	6	11	17							
9	15	8	ON 436 f	4.7	2.5	1.9	5	.44	.08	.18	.26	.28	.30						.03	.06	.08	.08	.08						9										

Table 13. Measurements of *Pseudofusulina bacca* MORIKAWA et ISOMI, n. sp.

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count										
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	6	10	ON 407a	5.7	2.5	2.3	6	.18	.06	.10	.16	.18	.28						.02	.03	.05	.06	.07						1										
2	6	11	ON 462	4.2	2.1	2.0	7	.16	.04	.08	.10	.18	.20	.30	.20?				.01	.02	.04	.05	.06	.08					2										
3	6	12	ON 368	4.0	1.9	2.1	6	.20	.06	.07	.10	.16	.20	.22					.01	.03	.04	.05	.06	.08					3										
4	6	13	ON 478b	3.8*	2.2	3.1	5	.26	.06	.12	.16	.20	.30						.01	.03	.06	.08	.08	.10					4										
5	6	14	ON 427	2.9*	2.2	2.6	7	.13	.04	.09	.08	.12	.18	.26	.27				.01	.02	.06	.04	.06	.07	.08				5										
6	6	9	ON 407b		1.8		5	.26	.02	.09	.16	.20	.22																6	10	13	16	19	29					

Table 14. Measurements of *Pseudofusulina regularis* (SCHELLWIEN)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count										
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	7	1	ON 70-1	8.2	4.0	2.1	6	.40	.12	.15	.22	.30	.38	.28					.02	.04	.04	.09	.14	.04					1										
2	7	2	ON 331Da	8.5	2.5	3.4	5	.30	.10	.10	.18	.28	.22	.30					.02	.03	.04	.05	.08						2										
3	7	3	ON 514-2-a	6.2	2.0	3.1	5	.32	.08	.12	.18	.24	—						.01	.02	.05	.06	.09						3										
4	7	9	ON 331b		2.0		4	.38	.06	.20	.18	.28							.02	.02	.04	.08							4	5	17	17							
5	7	10	ON 331c		2.4		5	—	—	.20	.20	.36	.32						—	.04	.06	.08	.09						5										
6	7	6	ON 331e		3.2		6	.40	.08	.13	.24	.30	.38	.36					.03	.04	.08	.10	.14						6										

Table 15. Measurements of *Pseudofusulina vulgaris* (SCHELLWIEN)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	13	1	ON 292	9.1	5.0	1.8	6	.50	.14	.26	.40	.38	.57						.06	.07	.08	.13	.18					
2	13	2	ON 500	7.3	5.2	1.4	8	.54	.14	.17	.18	.24	.32	.34	.40	.62			.03	.05	.04	.07	.12	.14	.12			
3	13	3	ON 6	8.5	4.0	2.1	6	.50	.14	.24	.26	.36	.34	.30					.04	.08	.08	.10	.12	.13				
4	13	4	ON 314	7.5	4.1	1.8	8	.03	.06	.04	.06	.11	.22	.62	.74				.01	.01	.02	.03	.16	.10	.14	.12		

Table 16. Measurements of *Pseudofusulina globosa* (SCHELLWIEN)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count										
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	13	6	Og 4-15b	7.0	4.0	1.8	6	.23	.14	.22	.37	.34	.44	.38					.04	.06	.08	.07	.14	.10					1										
2	13	7	Og 4-15a	6.5	4.0	1.6	5	.44	.16	.26	.32	.43	.48						.02	.04	.08	.10	.15						2										
3	13	8	Og 4-13a	5.2	3.0	1.7	5	.23	.10	.24	.30	.38	.42						.04	.06	.12	.12	.10						3										
4	13	10	Og 4-13b		3.5		5	.46	.12	.20	.26	.38	.38						.04	.06	.10	.13	.12						4	7	11	19	25	27					
5	13	11	Og 4-13c		2.8		5	.36	.14	.22	.34	.42							.04	.06	.09	.11							5										

Table 17. Measurements of *Pseudofusulina cushmani* CHEN

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count										
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	9	1	Og 1-17	8.2	3.8	2.2	8	.23	.09	.12	.14	.16	.24	.24	.30	.34			.01	.02	.03	.05	.05	.06	.06	.11			1										
2	9	2	Og 4-14c	7.0	3.3	2.1	8	.22	.06	.05	.10	.18	.22	.26	.30	.28			.01	.02	.03	.04	.05	.06	.09	.04			2										
3	9	3	Og 2B-11a	4.9	2.6	1.8	6	.22	.06	.10	.14	.18	.26	.30					.02	.02	.03	.04	.06	.05					3										
4	9	4	Og 4-10	6.7	4.0	1.7	7	.18	.08	.08	.12	.21	.26	.30	.32				.02	.02	.02	.04	.06	.07	.08				4										
5	9	5	Og 2B-6	7.5	3.0	2.0	9	.24	.06	.04	.12	.12	.18	.26	.26	.30	.30		.01	.01	.03	.02	.04	.04	.06	.08	.06		5										
6	9	6	Og 2B-5	3.2	1.8	2.0	5	.22	.07	.08	.12	.12	.18						.02	.02	.02	.03	.06						6										
7	9	7	Og 2B-15	4.7	1.7	2.8	7	.14	.06	.08	.12	.14	.14	.22					.02	.02	.02	.03	.02	.03					7										
8	9	8	ON467b		2.5		7	.28	.09	.11	.13	.17	.17	.20	.24				.02	.03	.04	.04	.06	.08	.09				8										
9	9	9	ON257b		2.2		7	.18	.08	.08	.12	.21	.26	.30	.32				.01	.01	.02	.04	.06	.08	.08				9	8	12	16	15	16	19				
10	9	10	Og 1-20d		3.0		7	.30	.10	.12	.25	.26	.32						.03	.04	.08	.06	.07						10										
11	9	11	Og2B-6b		2.6		8	.24	.08	.06	.08	.14	.18	.22	.23	.22			.01	.01	.02	.02	.04	.06	.07	0.8			11	4	17	20	20	30	18	20	21		

Table 18. Measurements of *Pseudofusulina krotowi* (SCHELLWIEN)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count										
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	8	1	Og 1-9a	4.8	3.7	1.3	7	.20	.08	.10	.22	.30	.30	.40	.40				.03	.04	.14	.10	.10	.12	.10				1										
2	8	2	Og 1-11b	5.5	4.0	1.4	7	.24	.10	.12	.22	.40	.40	.42					.06	.04	.06	.08	.08	.12					2										
3	8	3	Og 1-9b	2.2*	1.7*	1.3	6	.24	.12	.20	.24	.32	.34						.03	.06	.06	.10	.08	.10					3										
4	8	4	Og 1-10	4.5	3.0	1.5	6	.20	.07	.14	.30	.30	.32	.40					.03	.05	.08	.10	.10	.08					4										
5	8	7	Og 1-9c	4.2	2.8	1.5	6	.18	.10	.10	.10	.26	.40	.36					.04	.06	.06	.07	.08	.10					5										
6	8	6	ON 275b	3.0*	2.4*	1.3	7	.20	.06	.08	.20	—	.26	.40	.40				.02	.04	—	—	.09	.12	.16				6										
7	8	5	Og 1-9f	2.0*	2.6	1.5	6	.18	.04	.08	.12	.24	.36	.34					.03	.04	.04	.06	.06	.09					7										
8	8	8	Og 1-14		3.2		7	.24	.08	.12	.18	.24	.32	.38	.30				.02	.04	.07	.08	.12	.14	.09				8										
9	8	9	Og 1-9e		4.2		6	.22	.08	.22	.28	.42	.46	.46					.04	.06	.06	.07	.12	.10					9	10	16	20	25						
10	8	10	Og 1-8				7	.12	.04	.12	.22	.30	.36	.40	.48				.02	.02	.04	.06	.10	.10	.10				10	7	10	15	18	20	28				
11	8	11	ON 274		4.0		8	.14	.13	.14	.21	.33	.44	.50	.50				.03	.05	.08	.08	.08	.11	.10				10	9	16	26	28	30	41				

Table 19. Measurements of *Pseudofusulina fusiformis* (SCHELLWIEN et DYHRENFURTH)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count										
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	10	1	ON241	10.5	3.0	3.5	6	.36	.12	.16	.22	.30	.34	.12					.02	.04	.06	.10	.12	.05					1										
2	10	2	Og 2c-9b	9.5	2.6	3.6	5		.14	.16	.20	.24	.28						.03	.05	.04	.10	.11						2										
3	10	3	Og 2B-10	9.0	3.0	3.0	7	.38	.08	.18	.16	.20	.22	.21					.02	.03	.04	.06	.07	.05	.05				3										
4	10	4	Og 2c-4a	12.5	2.5	5.0	6	.30	.08	.10	.14	.18	.22	.26					.01	.02	.02	.05	.06	.06					4										
5	10	5	Og 2c-9b	8.5	2.7	3.2	6	.12	.10	.14	.20	.24	.28	.28					.03	.03	.06	.05	.10	.10					5										
6	10	6	Og 1-15a	9.5	2.5	3.6	5	.42	.12	.12	.21	.26							.02	.04	.06	.08							6										
7	10	7	Og 3-16	4.0	1.4	2.8	4	.30	.08	.12	.16	.20							.02	.03	.03	.04							7										
8	10	8	Og 2c-7		3.3		6	.36	.08	.16	.18	.24	.32	.36					.03	.03	.04	.08	.07	.12					8	9	10	17	18	19	24				
9	10	9	Og 2c-8		3.5		6	.40	.12	.20	.27	.36	.36	.30					.03	.04	.06	.07	.08	.06					9	7	16	22	28	31					
10	10	10	Og 4-5		3.5		5	.46	.12	.20	.26	.38	.38						.04	.06	.01	.14	.12						10										
11	11	1	Og 2c-2a	10.5	3.7	2.8	6	.46	.12	.12	.28	.22	.42	.38					.04	.06	.06	.08	.08	.11					11										
12	11	2	Og 2c-10a	6.0*	3.8	3.2	6	.40	.12	.18	.24	.32	.34	.38					.04	.04	.06	.07	.09	.10					12										
13	11	3	Og 2c-9a	9.0	3.2	2.8	6	.38	.14	.16	.22	.26	.28	.32					.03	.06	.08	.08	.10	.08					13										
14	11	4	Og 2c-10c	4.5*	1.3*	3.4	5	.30	.14	.14	.26	.28							.03	.04	.06	.08							14										
15	11	5	Og 4-3a	4.5	1.7	2.7	6	.22	.16	.22	.26	.28	.30	130					.06	.06	.06	.10	.11						15										
16	11	6	Og 3-3a	3.0*	2.0	3.0	5	.36	.06	.14	.20	.20							.03	.04	.06	.07							16										
17	11	7	Og 4-19a	5.5	1.9	3.2	5	.26	.08	.10	.16	.20	.22						.02	.04	.06	.06							17										
18	11	8	ON493	3.8	1.8	2.1	4	.28	.12	.14	.17	.26							.03	.04	.08	.08							18										
19	11	10	Og 1-11a		3.4		6	.36	.09	.12	.20	.30	.34	.34					.02	.03	.06	.08	.08	.12					19										
20	12	1	Og 2c-1a	13.5	3.0	4.5	5	.44	.10	.16	.14	.16							.03	.04	.10	.12							20										
21	12	2	Og 2c-10d	9.0	3.2	2.9	6	.24	.10	.12	.23	.24	.22	.30					.03	.04	.05	.06	.10	.09					21										
22	12	9	Og 2-13b		4.0		6	.30	.22	.22	.28	.30	.30						.06	.06	.10	.14	.14						22	9	17								
23	13	5	ON468		3.8		7	.44	.10	.14	.20	.28	.24	.32	.34				.03	.03	.05	.05	.08	.08	.09				23	6	16	23							
24	7	11	Og 3-11a	6.0	1.8	3.3	5	.20	.07	.10	.12	.26	.18						.01	.02	.04	.06	.07						24										
25	7	12	Og 3-11b	5.0	1.7	2.9	5	.22	.06	.12	.16	.20	.26						.04	.05	.05	.07							25										

Table 20. Measurements of *Pseudofusulina kraffti* (SCHELLWIEN)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	14	1	ON 537	8.5	3.7	2.3	6	.30	.24	.22	.28	.34	.40	.38					.03	.04	.10	.09	.14	.12					1										
2	14	2	ON 34	7.0	3.2	2.2	7	.26	.08	.10	.16	.21	.24	.16	.38				.01	.04	.06	.06	.08	.12	.14				2										
3	14	3	ON 257a	7.0	3.0	2.3	7	.28	.06	.06	.14	.14	.24	.26	.28				.01	.05	.03	.04	.06	.10	.10				3										
4	14	4	ON 140	3.2*	1.4*	2.3	6	.20	.08	.12	.18	.18	.18	.38	.40				.02	.04	.06	.08	.08	.12					4										
5	14	5	ON 499a	7.5	3.5	2.2	7	.40	.10	.20	.18	.20	.24	.24	—				.03	.04	.06	.06	.10	.10					5										
6	14	6	ON468-2-a	7.0	3.5	2.0	8	.32	.10	.12	.16	.20	.22	.26	.30	.32			.02	.03	.05	.06	.08	.08	.10	.11			6										
7	14	7	ON 468a	6.5	4.0	1.6	9	.24	.10	.12	.18	.20	.20	.24	.26	.38			.02	.04	.04	.05	.05	.09	.10	.07			7										
8	14	8	ON 429	5.7	4.2	1.4	6	.32	.12	.18	.16	.26	.32	—					.03	.04	.04	.08	.13	.12					8										
9	14	9	ON 499b		3.9		7	.40	.06	.10	.16	.18	.32	.32	.30				.02	.03	.04	.05	.10	.09	.12				9	8	17	20	21	25	31	—			
10	14	10	ON 499c		5.0		7	.36	.12	.22	.22	.31	.44	.42	.48				.06	.08	.06	.12	.10	.14	.18				10	7	16	18	20	—	—	—			
11	15	6	ON 376	8.0	4.5	1.8	6	.80	.14	.26	.28	.26	.36	.34					.06	.06	.08	.08	.12	.15					11										
12	15	5	Og 3-12	8.0	4.0	2.1	7	.47	.12	.15	.20	.28	.34	.36	.40				.02	.04	.06	.06	.08	.10	.10				12										

Table 21. Measurements of *Pseudofusulina norikurensis* IGÔ, em. MORIKAWA et ISOMI

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	15	1	Og 5-23	11.0	5.0	2.2	8	.32	.12	.16	.26	.40	.20	.26	.34	.30			.06	.08	.08		.12	.12	.12	.12			1										
2	15	3	Og 5-27	5.0*	5.2	1.9	9	.20	.14	.14	.20	.20	.40	.26	.40	.42	.40		.04	.05	.05	.08	.08	.10	.14	.14	.13		2										
3	15	4	Og 5-5	5.6*	5.7	2.0	9	.34	.08	.16	.22	.26	.22	.32	.42	.42	.44		.02	.03	.06	.06	.07	.10	.12	.12	.08		3										
4	16	1	Og 5-20	10.0	4.5	2.2	8	.34	.12	.16	.20	.20	.30	.34	.42	.38			.04	.06	.05	.06	.08	.10	.12	.12			4										
5	16	2	Og 5-16	9.5	5.	1.9	8	.20	.16	.12	.28	.24	.28	.28	.34	.36			.04		.08	.08	.10	.10	.11	.12			5										
6	16	3	Og 5-21	5.0*	5.5	1.8	8	.30	.10	.14	.32	.26	.38	.42	.40	.38			.03	.07	.06	.08	.10	.12	.16	.10			6										
7	16	5	Og 5-22		4.4		8	.22	.10	.18	.18	.23	.30	.32	.38	.40			.04	.04	.04	.06	.10	.08	.14	.08			7										
8	16	6	Og 5-22		5.0		8	.40	.12	.22	.24	.28	.28	.38	.40				.03	.04	.06	.06	.08	.14	.14	.11			8	8	15	18	31	32	36				
9	16	7	Og 5-25	8.7	5.0	1.7	8	.44	.08	.18	.20	.30	.28	.38	.34	.54			.01	.04	.05	.09	.08	.10	.10				9	7	16	23	28	32	31	37			

Table 22. Measurements of *Pseudofusulina lepida* (DEPRAT)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	20	1	ON 390a	3.5	1.7	2.1	7	.12	.02	.03	.04	.06	.12	.20	.24				.01	.01	.02	.03	.04	.06	.06				1										
2	20	2	ON 290B		2.2		7	.12	.04	.05	.04	.10	.14	.26					.01	.01	.02	.04	.04						2										
3	20	3	ON 525b	2.6	1.4	1.8	6	.10	.02	.06	.07	.09	.18	.24					.01	.01	.02	.03	.04	.04					3										
4	20	5	ON 348b		1.4		5	.10	.04	.08	.10	.18	.24						.01	.01	.02	.05	.08						4	6	11	24	20	22					

Table 23. Measurements of *Nagatoella ikenoensis* MORIKAWA et ISOMI, n. sp.

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count										Tunnel angle°										
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	20	6	ON 70c	1.8	1.4	1.3	7	.10	.02	.02	.04	.08	.10	.12	.18				.01	.01	.01	.02	.02	.03	.04				1										1	55°	50°	55°	60°						
2	20	8	ON 331Aa	2.8	2.2	1.3	6	.14	.02	.04	.06	.10	.14						.005	.005	.005	.02	.04	.02					2										2			75°	40°						
3	20	9	ON 331Aa	4.4	2.2	2.0	7	.14	.02	.04	.04	.06	.10	.13	.14				.005	.005	.005	.05	.05	.02	.03				3										3		65°	70°	75°	40°	50°				
4	20	11	ON 331Dc		1.7		9	.08	.02	.02	.03	.04	.05	.08	.09	.12	.20		.01	.01	.01	.01	.02	.03	.04	.05	.05		4	5	7	13	10	13	12	13	15	15		4										
5	20	12	ON 331a		1.4		7	.12	.03	.04	.04	.07	.10	.16	.13				.01	.01	.01	.02	.02	.03	.03				5	8	12	12	16	12	19	16				5										

Table 24. Measurements of *Parafusulina exilis* (SCHWAGER)

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	18	8	ON 525a	7.0	2.7	2.1	6	.38	.10	.18	.24	.35	.30						.02	.04	.06	.08	.08					
2	18	9	Og 6-29	4.0	2.0	2.0	5	.28	.06	.12	.23	.26	.30						.02	.02	.04	.06	.06					

Table 25. Measurements of *Parafusulina parakinosakii* MORIKAWA et ISOMI, n. sp.

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count										
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	17	1	ON 390c	6.5	3.7	1.8	7	.52	.06	.10	.20	.22	.30	.40					.02	.03	.04	.06	.06	.06					1										
2	17	3	ON 290A	4.2*	1.6*	2.6	8	.24	.10	.10	.20	.22	.30	.36	.36				.02	.04	.04	.05	.07	.10	.08				2										
3	17	2	ON 263Aa	7.4	3.4	2.2	6	.42	.16	.16	.18	.24	.34	.36					.04	.04	.07	.08	.12	.10					3										
4	17	4	ON 263Ab	8.0	4.0	2.0	7	.50	.12	.12	.16	.24	.30	.40	.40				.02	.03	.04	.06	.08	.10	.12				4										
5	17	5	Og 6-39	9.0	3.0	3.0?	7	.24	.16	.12	.16	.22	.28	.28	.32				.05	.03	.05	.06	.08	.10					5										
6	17	7	Og 6-44	4.0	2.2	1.8	5	.34	.08	.12	.20	.28	.30						.02	.04	.07	.08	.08						6										
7	17	6	ON 296Ba	7.0	3.2	2.2	6	.44	.12	.18	.20	.26	.31	.36					.02	.03	.06	.06	.08	.08					7										
8	17	8	Og 6-15a	10.5	4.5	2.3	7	.28	.20	.26	.24	.30	.38	.36					.04	.04	.04	.06	.08	.08					8										
9	17	9	Og 6-8a		4.0		7	.30	.06	.12	.18	.18	.28	.38	.40				.02	.04	.06	.07	.08	.08	.09				9	7	17	21	29	28	26	—			

Table 26. Measurements of *Parafusulina takeyamai* MORIKAWA et ISOMI, n. sp.

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count										
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	19	1*	Og 6-27	11.5	3.5	3.2	7	.40	.12	.14	.16	.30	.26	.30					.02	.04	.04	.04	.08	.08					1										
2	19	2	Og 6-25	14.2	3.7	3.8	7	.26	.12	.10	.22	.33	.34	.34					.02	.04	.05	.06	.08	.08					2										
3	19	3	Og 6-5a	5.1*	4.0	2.7	8	.32	.06	.06	.20	.20	.38	.38	.34	.26			.02	.02	.04	.06	.09	.12	.06				3										
4	19	4	Og 6-12	11.0	3.5	3.1	7	.24	.22	.20	.10	.22	.23	.30	.32				.04	.04	.03	.03	.06	.08					4										
5	19	5	Og 6-22a	9.0	2.4	3.8	7	.16	.06	.08	.14	.16	.24	.24					.02	.02	.03	.05	.06	.05					5										
6	19	6	ON 296-1b		4.7		8	.50	.10	.20	.22	.28	.32	.30	.36	.32			.02	.03	.04	.06	.06	.10	.08	.10			6	4	17	23	26	34	41				
7	19	7	Og 6-28		3.0		6	.44	.10	.18	.20	.26	.30						.02	.04	.06	.07	.10	.12					7	8	17	21	23	29					
8	19	8	Og 6-29		3.7		8	.47	.12	.14	.20	.16	.24	.25	.36	.32			.02	.03	.03	.04	.06	·07	.08	.08			8	7	10	19	23	25					
9	7	13	Og 6-19	11.7	4.7	2.1	9	.24	.06	.08	.20	.22	.24	.36	.34	.34	.30		.02	.03	.04	.06	.06	.07	.08	.07	.08		9										

Table 27. Measurements of *Parafusulina iwasensis* MORIKAWA et ISOMI, n. sp.

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1	18	1*	ON 385	6.5*	3.5	3.7	7	.23	.08	.10	.18	.26	.26	.40	.34				.02	.02	.03	.04	.05	.08				
2	18	2	Og 6-37a	6.5*	4.0	3.2	6	.34	.08	.10	.14	.26	.40						.02	.02	.02	.04	.03	.06				
3	18	3	Og 6-36b	12.0	4.0	3.0	7	.20	.18	.14	.24	.26	.30	.38	.38				.04	.03	.04	.04	.06	.06	.06			

Table 28. Measurements of *Misellina ibukiensis* KOBAYASHI

Sp.	Pl.	Fig.	Slide No.	L.	W.	F.R.	N.V.	D.P.	Height of Volutions										Thickness of Spirotheca										Septal count										Tunnel angle°									
									1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10	Sp.	1	2	3	4	5	6	7	8	9	10
1	21	1	ON 378e	11.8	1.2	1.5	7	.06	.04	.06	.05	.10	.12	.12	.14				.01	.01	.01	.02	.02	.02	.03				1											1										
2	21	2	ON 378c	1.2	1.0	1.2	6	.04	.04	.05	.06	.07	.12	.12					.01	.01	.01	.02	.02	.03					2											2										
3	21	3	ON 447a	1.2	.6	1.2	6	.06	.04	.04	.07	.09	.13	.14					.005	.005	.01	.01	.02	.02					3											3										
4	21	4	ON 447b	1.1	.9	1.1	6	.05	.06	.04	.07	.07	.12	.14					.005	.01	.01	.02	.02						4											4										
5	21	5	ON 259d	1.1	1.1	1.0	6	.03	.08	.04	.06	.08	.12	.14					.005	.01	.01	.01	.02	.02					5											5										
6	21	6	ON 259a	1.0	.9	1.1	6	.04	.04	.04	.04	.05	.08	.10					.01	.02	.02	.04	.03						6											6										
7	21	7	ON 259f		1.0		6	.04	.03	.04	.05	.07	.08	.10					.005	.005	.01	.02	.02	.02					7											7										
8	21	8	ON 259b		1.0		6	.04	.04	.04	.07	.09	.11	.12					.005	.01	.01	.02	.02	.02					8	6	6	12	13	14						8										
9	21	10	ON 378g		1.0		5	.08	.06	.08	.12	.14	.18						.01	.02	.03	.04	.03						9	7	11	12	13							9										
10	21	14	ON 145b	.52	.52	1.0	5	.04	.02	.03	.04	.05	.06						.005	.01	.01	.01	.01						10											10			10°	11°						
11	21	15	ON 145c	.62	.50	1.2	4	.05		.04	.06	.06							.005	.01	.01	.01							11											11										

MEASUREMENTS OF SPECIES (in mm)

Table 1~28

Sp.——Specimen
Pl.——Plate
Fig.——Figure
L.——Length
W.——Width
F.R.——Form ratio
N.V.——Number of volutions
D.P.——Diameter of proloculus
* ——Half length or width

Table 29. Faunal List of the Examined Fusulinids

Formation	Kusanogawa group				Lower part of Ibukiyama f.		Ohnogi f.		Samegai f.									*Pseudoschwagerina* Zone	*Parafusulina-Neoschwagerina* Zone
Species \ Localities	(1) IKENOOKU (I)	(2) IKENOOKU (II)	(3) SENGOKUDANI	(4) DAIMON	(5) IWASAYAMA	(6) IWAKURAYAMA	(7) OHNOGI (I)	(8) OHNOGI (II)	(9) SUKAWA	(10) MURAKI	(11) MANGANJI	(12) NAGAOKA	(13) HONGO	(14) YADANI	(15) MINAMITOBA	(16) HORIBE	(17) ITANDO		
1 *Minojapanella elongata* FUJIMOTO et KANUMA															⊗				
2 *Schubertella yadaniensis* MORIKAWA et ISOMI, n. sp.				⊗					⊗		⊗	⊗	⊗	⊗	⊗				
3 *Yanchienia* sp.		⊗			⊗		⊗												
4 *Codonofusiella* sp.					⊗														
5 *Biwaella omiensis* MORIKAWA et ISOMI, n. sp.				⊗	⊗							⊗	⊗	⊗	⊗				
6 *Pseudoschwagerina* (*Zellia*) *nunosei* HANZAWA													⊗						
7 *Paraschwagerina akiyoshiensis* TORIYAMA																⊗	⊗		
8 *P.* aff. *kansasensis* (BEEDE et KNIKER)																	⊗		
9 *P. gigantea* (WHITE)						⊗			⊗		⊗								
10 *P.* (*Acervoschwagerina*) *endoi* HANZAWA									⊗				⊗	⊗	⊗				
11 *Pseudofusulina* aff. *valida* (LEE)								⊗											
12 *P.* aff. *subtilis* (SCHELLWIEN)								⊗											
13 *P. okafujii* (TORIYAMA)								⊗			⊗	⊗	⊗		⊗				
14 *P. bacca* MORIKAWA et ISOMI, n. sp.								⊗			⊗	⊗	⊗						
15 *P. regularis* (SCHELLWIEN)	⊗										⊗		⊗						
16 *P. vulgaris* (SCHELLWIEN)			⊗					⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗			
17 *P. globosa* (DEPRAT)															⊗				
18 *P. cushmani* CHEN								⊗	⊗		⊗			⊗	⊗				
19 *P. krotowi* (SCHELLWIEN)											⊗	⊗							
20 *P. fusiformis* (SCHELLWIEN et DYHRENFURTH)								⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗				
21 *P. kraffti* (SCHELLWIEN)								⊗	⊗	⊗	⊗	⊗		⊗	⊗				
22 *P. norikurensis* (IGO)								⊗	⊗		⊗	⊗	⊗	⊗					
23 *P. lepida* (DEPRAT)					⊗														
24 *Nagatoella ikenoensis* MORIKAWA et ISOMI, n. sp.	⊗																		
25 *Parafusulina exilis* (SCHWAGER)					⊗														
26 *P. parakinosakii* MORIKAWA et ISOMI, n. sp.		⊗			⊗	⊗													
27 *P. takeyamai* MORIKAWA et ISOMI, n. sp.					⊗														
28 *P. iwasensis* MORIKAWA et ISOMI, n. sp.					⊗														
29 *Misellina ibukiensis* KOBAYASHI	⊗						⊗	⊗	⊗	⊗	⊗	⊗							
30 *Pseudodoliolina ozawai* YABE et HANZAWA					⊗														
31 *Verbeekina* sp.					⊗														
32 *Neoschwagerina nipponica* (OZAWA)		⊗			⊗														
33 *N.* sp. (*N.* cf. *colaniae* OZAWA)					⊗														
34 *N. rotonda* (DEPRAT)							⊗												
Zone of *Pseudoschwagerina*																			
Zone of *Parafusulina-Neoschwagerina*																			