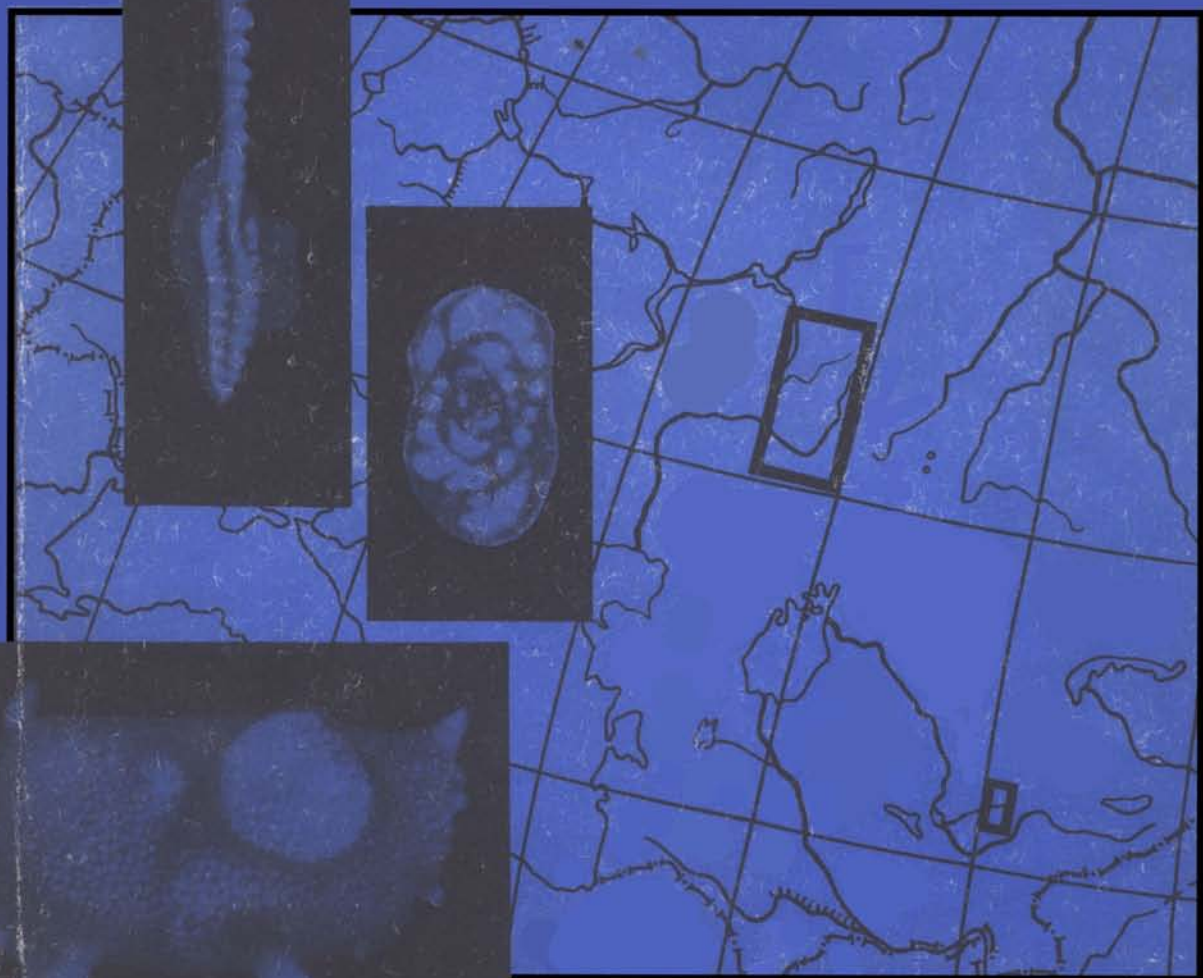


ГРАНИЦА НИЖНЕГО-СРЕДНЕГО КАРБОНА НА ЮЖНОМ УРАЛЕ И СРЕДНЕМ ТЯНЬ-ШАНЕ



-

-



"
1992

"

551.735.1/15.56(470.55/57.575.1)

ISBN 5-02-002305-1, 1992. - 112 . -

Homoceras.

. 4. . 16+32

∴ 125

Lower/Middle Carboniferous Boundary in the South Urals and Central Tien Shan.

The book presents the results of a combined stratigraphical and paleontological research of boundary Lower/Middle Carboniferous sediments in the South Urals and Central Tien Shan. Fofaminifers, ostracodes and conodonts in the studied sections suggest to recognize some interregional, regional and local biostratigraphical units and establish their correlation with cephalopode zones. The base of the Homoceras Zone as a boundary line is considered. A sistematic description of some essentially new species is given. Inter-regional correlation is carried out.

1804040000-048 397-92 I
042(02)-92

©

"", 1992

ISBN 5-02-002305-1

(, 1983)
 Homoceras,
 Declinognathodus noduliferus [Lane, Magner, 1985;
 , 1988].
 1974 . Homoceras
 Reticuloceras – Bashkortoceras,
 [, 1979] [, 1980]
 1980 .
 Reticuloceras – Bashkortoceras [, 1973 , ; , 1977].
 Homoceras – Hudsonoceras [,
 1971], . . [1973 ,] , .
 [1960, 1975], . . [1951], . . [1958, 1970], . . -
 [1972, 1975, 1984].
 [1958, 1970; , 1973 , , 1982 ,], . . [1960,
 1975], . . [1971, 1978], " ..."
 [1973], . . [1975], . . [1979], . . [1978], . . -
 [1980], . . [1983, 1985], . . [1978], . . -
 [1988]; - — [1926], . . -
 [1941, 1952], . . , . . [, , 1959;
 , 1963; , 1965; ; 1979], . . -
 [1962], . . - [1963], . . [1970, 1989], . . -
 [1971], . . , . . [1982], . . -
 . [1989]. [1982], " ... " [1975], . . -
 . 1990 . (),
 ,

Homoceras – Hudsonoceras,

, 1989].

(Eumorphoceras, Homoceras Reticuloceras)

[, , 1975],

1982–1988

1986

1973—

Delepinoceras,

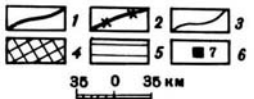
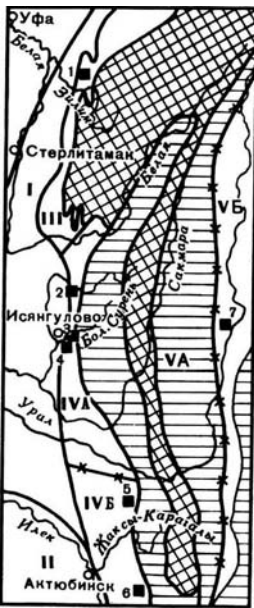
— Uralopronorites – Cravenoceras Fayetteville –
Eumorphoceras (E₁+E₂)

Homoceras – Hudsonoceras, Reticuloceras – Bashkortoceras, Bilinguites – Cancelloceras
Reticuloceras (R₁+R₂) , Homoceras (H₁+H₂),
Gastrioceras (G₁)

H R₁, . . .

104 (.) " 121, 122 ("), 66, 68 (),
(794.) ()

1990 .).



(. 1).
(
(1988 .).

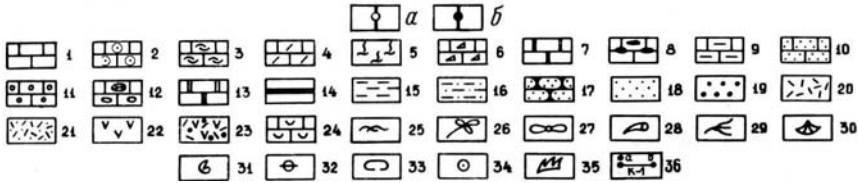
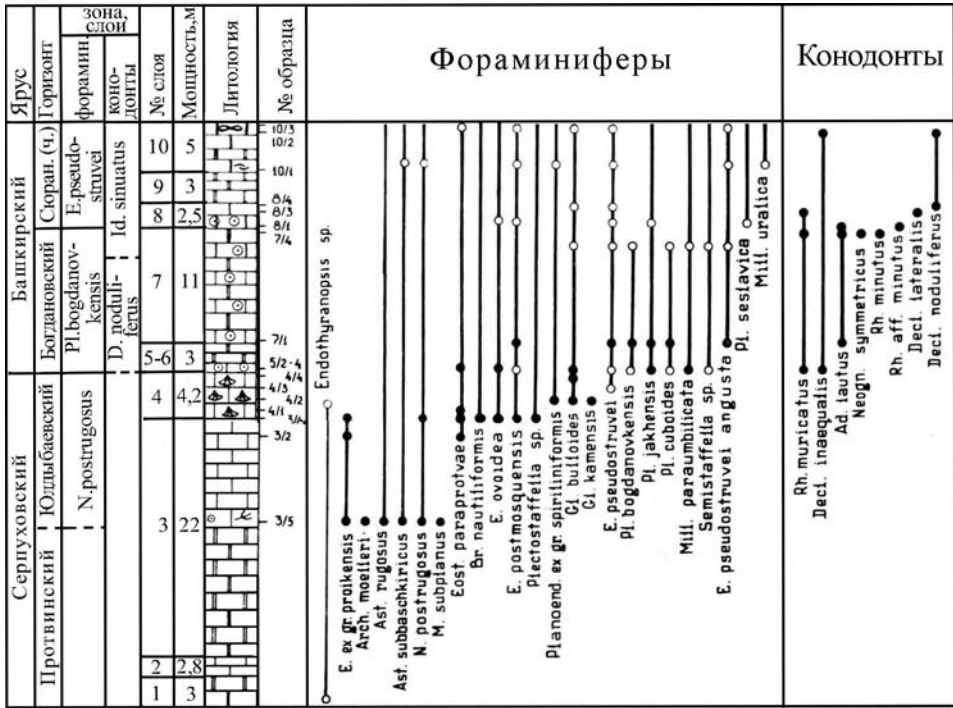
, 1972;

[
..., 1984;
,
, 1987; Groves, 1988].

(
(
3 4
(. 2).

Bradyina cribristomata Raus. et Reitl.,
Eostaffella ovoidea Brazhn. et Pot., E. proikensis Raus., Monotaxinoides subplanus (Brazhn. et Jar.), Neoarchaedicus postrugosus (Reitl.) . (. 2),
N. postrugosus

. 1.
[1990]
3 I-3 — ; 4, 5 — : I, 2 — (I) (2),
, 5 — ; 6 —
, III — : I — , II —
, IV — , IV —
, V — (: IVA — (: V —
2 — , V, 3 — , 4 — , 5 — , 6 —
, 7 —



2. [1987] () ()

1-11 — 2-14

. 5 — 6 — 7 — 2 — 8 — 3 — 4 —

; 13 — 9 — 10 — 11 — 12 — 17, 18 — 19 —

; 25-35 — 20 — 21 — 22 — 23 — 24 — 27 —

. 28 — 29 — 30 — 31 — 32 — 33 —

. 34 — 35 — 36 — : — — — —

1

5

(5-10)

Rhachistognathus, Adetognathus Declinognathus
 — Decl. noduliferus

thodus (2).
 ferus (5-7) Id. sinuatus (7-10).

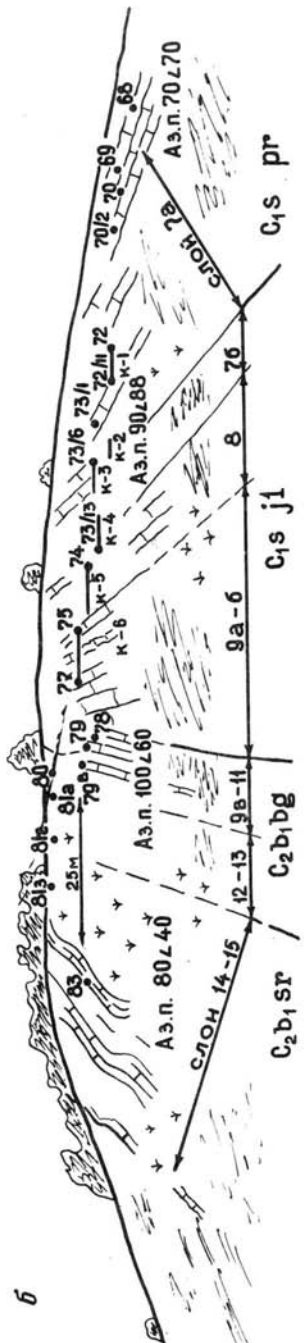
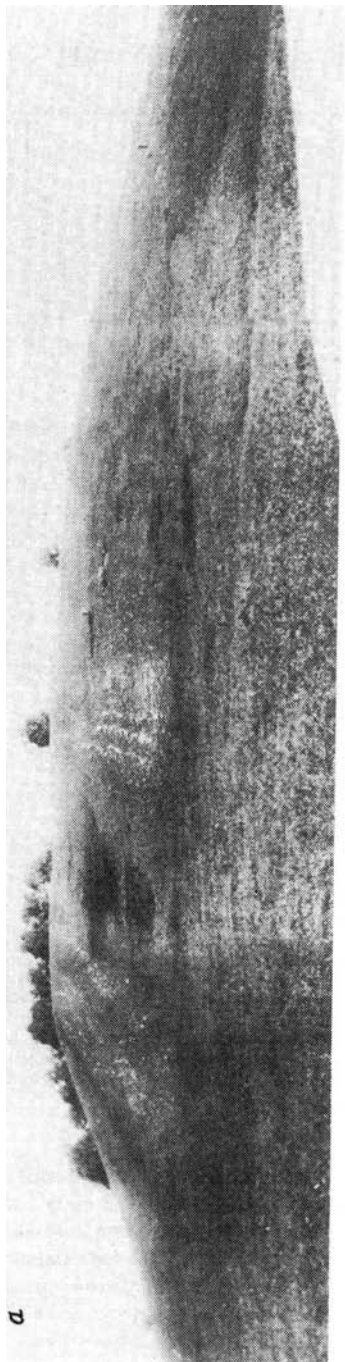


Рис. 3. Обнажение серпуховских—нижнебашкирских отложений в 3 км западнее д. Мурадымово
 а — фото В.Н. Пазухина, 1988 г.; б — зарисовка Е.И. Кулагиной (горизонты: C₁s pr — протвинский, C₁j1 — юлдымбаевский, C₂b₁bg — богдановский, C₂b₁sg — сюранский)
 Условные обозначения см. на рис. 2

40 . Eostaffellina
 actuosa, Gnathodus bilineatus bollandensis. 7-9, 12-16
 8-11 (. 5). 5-7 (. 3, 4),
 ; . 3 . 4, 200¹ . 4.
 (3), (1)
 , 2) (1)
 — 3 4.
 . 4, 1
 Plectostaffella orbiculata R. Ivan.,
 Monotaxinoides transitorius (Brazhn. et Jar.), Planoendothyra spiriliniformis (Brazhn. et Pot.),
 — Plectostaffella varvariensis Brazhn. et Pot., Eolasiodiscus donbassicus Reitl.
 , — Omphalotis, Endothyranopsis sphaerica (Raus. et Reitl.),
 Pojarkovella nibelis (Durk.), Forschia (. . 4).
 Ganthodus bilineatus bollandensis (. . 4).
 Declinognathodus — Decl. noduliferus (Ell. et
 Grav.) Decl. inaequalis (Higg.).
 (8) Pseudopa-
 raparchites celsus; (9)
 Healdia, Bolbozoella, (. . 4). Fellerites,
 Declinognathodus noduliferus — Decl. lateralis.
 1,3
 Pl. bogdanovkensis.
 29 , 20
 9 -13 , 17, 18



Ф О Д А М И Н Ф

4.

2

1-14 . 4

(. . 5, 7).

Decl. noduliferus.

17, 10

Ramosites sp., Homoceras sp., Proshumardites sp.,

. 94]. Homoceras [., 1973 .

18

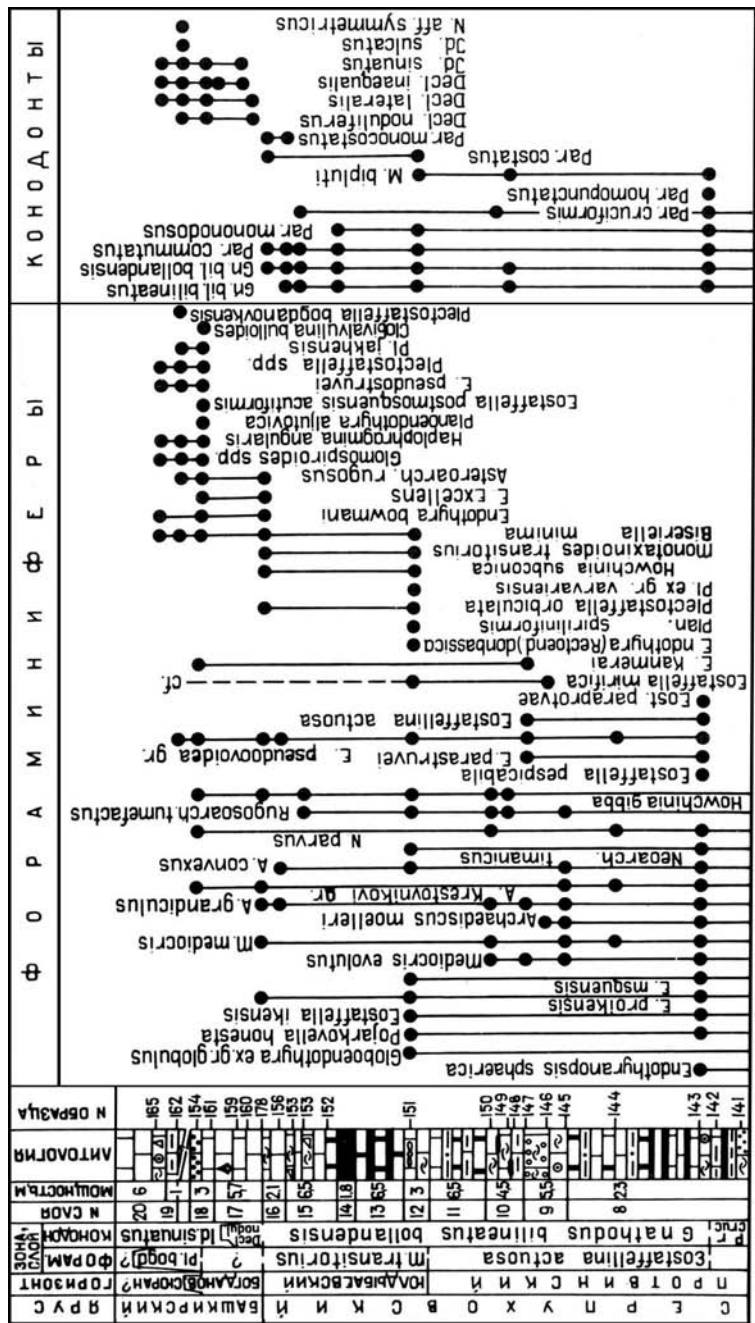
(. . 6),

22 ; 10

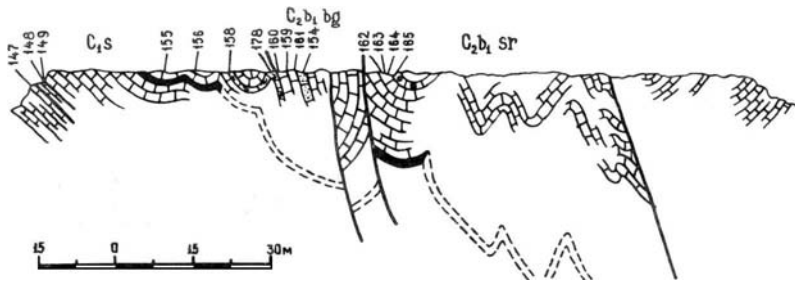
14

П	Д	Б	КОНОДОНТЫ	ОСТРАКОДЫ
<p><i>Pian. aturovica</i></p> <p><i>Pl. varvianensis</i></p> <p><i>Br. cribrifomata</i></p> <p><i>E. postmosquensis</i></p> <p><i>E. pseudostruveli</i></p> <p><i>Pl. bogdanovkensis</i></p> <p><i>Hapl. angularis</i></p> <p><i>Pl. jachakia</i></p> <p><i>Plectomed. asymmetrica</i></p> <p><i>Mil. umbilicata</i></p> <p><i>Mesolastiodiscus?</i></p> <p><i>Ol. kamenais</i></p> <p><i>Br. concinna</i></p> <p><i>Pl. sp. 1</i></p> <p><i>S. minusclaria</i></p> <p><i>Pl. jakhensis</i></p> <p><i>Pl. levolutica</i></p> <p><i>Pl. sestavica</i></p>	<p><i>Gn. bil. bitineatus</i></p> <p><i>Gn. bil. bellandensis</i></p> <p><i>Par. commutatus</i></p> <p><i>Par. monodosus</i></p> <p><i>Par. costatus</i></p> <p><i>Par. multidosus</i></p> <p><i>Par. monostatus</i></p> <p><i>Par. cruciformis</i></p> <p><i>Par. nodosus</i></p> <p><i>M. biplobi</i></p> <p><i>C. unicornis</i></p> <p><i>Decl. noduliferus</i></p> <p><i>Decl. inaequalis</i></p> <p><i>Decl. lateralis</i></p> <p><i>Decl. japonicus</i></p> <p><i>Id. sinuatus</i></p> <p><i>Id. sulcatus</i></p> <p><i>Id. corrugatus</i></p> <p><i>Idiognathoides sp. 1</i></p> <p><i>Neogn. symmetricus</i></p>	<p><i>Ectodemites lundius</i></p> <p><i>Ect. planus</i></p> <p><i>Kirkbyna fenella</i></p> <p><i>Pseudoparaparchites celsus</i></p> <p><i>Healdia ikensis</i></p> <p><i>H. unalica</i></p> <p><i>Bolbozella infiata</i></p> <p><i>Reclonaria accepta</i></p> <p><i>Reclonacera sp. 1</i></p> <p><i>Acanthoscapha limata</i></p> <p><i>Amphisites centronotus</i></p> <p><i>Editia sp.</i></p> <p><i>Felientes gratus</i></p> <p><i>Amphizona sp.</i></p> <p><i>Microtaoemella orbiculata</i></p> <p><i>Dorsoobliqueella ovalis</i></p> <p><i>Limnoprimitia cf. arcuata</i></p> <p><i>Bairdia chudolesensis</i></p> <p><i>Bairdiacypris indiges</i></p> <p><i>Chamishaella opima</i></p>		

(. 7, 8): Plectostaffella bogdanovkensis, Declino-
gnathodus noduliferus (1) Idiognathoides sinuatus (2-14),
Ardmorea gibberosa – Limnoprimitia arcuata (1-9).
(8 12) Homoceras, , -
— 2 (, . . , . .) .
, . . , . . 1971 .
Isohomoceras sp., Homoceras sp., Fayettevillea sp., , -
, H₁; — Homoceras sp.;
, , 18 (. . 7), —
R₁ Nm₂b₁.
, 12-20 . 4 1-8 . 3 14-16 , 19, 20



Р и с. 5. Распространение фауны в разрезе Кутарчи. Составили Е.И. Кулагина, В.Н. Паузин
 Условные обозначения см. на рис. 2



6. [19736];

. 2

(19), . 3 (4),

300

Proshumardites karpinskii Raus., Tectiretites sp. Reticuloceras (Nm₂b).
 R₁, .JL. (19) . [1973 , . 94]. . 3 , -
 200 . 4, 8

Ramosites rectus R. et ., Decorites sp., Surenites sp. Nm₂b₁.
 [1978, . 15, 3].
 27 , 30-35 .

15-20 Pseudostaffella antiqua (Dutk.).
 . 4 " " 1986 .
 Pseudostaffella antiqua (Dutk.) (. . -
). , , 45 .

Nm₂b₁ Tolypammina
 fortis Reitl., Bradyina cribrostomata Raus. et Reitl., Eostaffella postmosquensis Kir., Plecto-
 staffella varvariensis (Brazhn. et Pot.), Pl. obtusa Reitl., Semistaffella minuscularia Reitl.
 . 4 Idiognathoides sinuatus.
 (18-20)

Bairdia gibbus Kotsch., Bairdiacypris indiges Kotsch., Acratia demissa Kotsch. (. . . 7).
 " " [, , 1971], -
 [1975], -
 200-250 , (700
) - (. - , 2

ГОРЯЧИЙ СОРТАМЕНТ	СОРТАМЕНТ	УФ РАДИАЦИЯ	ФОРМЫ ИНФЕРИ	КОНОДОНЫ	ЦЕФАЛО- ПОДЫ	КОНОДОНЫ	ОСТРАКОДЫ																																																																																					
БОГАТОВА СОРТАМЕНТ	И	1	1,7	8	2,5	3,0	<ul style="list-style-type: none"> ● <i>Coeloneolina ultima</i> ● <i>Id. sulcatus</i> ● <i>Id. corrugatus</i> ● <i>Id. sinuatus</i> 	<ul style="list-style-type: none"> ● <i>Ectodermites planus</i> ● <i>Kirkybina tenella</i> ● <i>Polycope? rugosa</i> ● <i>Discoidella perspicua</i> ● <i>Shishhaella claytonensis</i> ● <i>Shish. strinata</i> ● <i>Shivaella evidens</i> ● <i>Chamishaella opima</i> ● <i>Microcoeloneolina orbiculata</i> ● <i>Dorsoobliquella ovalis</i> ● <i>Ardmorea gibberosa</i> ● <i>Triplacera (N) immemorata</i> ● <i>Bobzoella inflata</i> ● <i>Bairdia bogdanovkensis</i> ● <i>B. laktyensis</i> ● <i>Bairdiacypripis subconspicuus</i> ● <i>Acratia grandis</i> ● <i>Roundyella subaculeata</i> ● <i>Chamishaella exigua</i> ● <i>Javattus kistlensis</i> ● <i>Limnoprimittia arcuata</i> ● <i>Glyptopleura sp.</i> ● <i>Rectonaria accepta</i> ● <i>Bairdia gibbus</i> ● <i>Bairdiacypripis indiges</i> ● <i>B. obtusus</i> ● <i>Bythocytheridae</i> indet. ● <i>Acratia demissa</i> ● <i>Perprimittia digna</i> ● <i>Idiomorphina subsimplex</i> ● <i>Basslerella simonovae</i> 																																																																																				
									И	1,7	8	3,0	3,0	3,0	<ul style="list-style-type: none"> ● <i>Deci. noduliferus</i> 	<ul style="list-style-type: none"> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 																																																																												
																	И	1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 																																																																					
									И	1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 																																																																													
																И								1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 																																																															
																														И	1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 																																																								
																																					И	1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 																																																	
																																												И	1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 																																										
																																																			И	1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 																																			
																																																										И	1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 																												
																																																																	И	1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 																					
																																																																								И	1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 														
																																																																															И	1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i> 							
																																																																																						И	1	1,7	8	3,0	<ul style="list-style-type: none"> ● <i>Deci. inaequalis</i> ● <i>Deci. noduliferus</i> ● <i>Deci. japonicus</i> ● <i>Deci. lateralis</i> 	<ul style="list-style-type: none"> ● <i>Ramosites sp.</i> ● <i>Homoceras aff. haugi Ruzh. et Bog.</i> ● <i>Physemaites sp.</i> ● <i>Homoceras sp.</i> ● <i>Isohomoceras sp.</i>

. 7. , . 4.
 . 2
 ←

), [1971]
 Eumorphoceras Homoceras).
 (2-4) - (
 3, 4-7) , . 1,5-7
 Nm b,

ГОРИЗОНТ ФОРАМИНИФЕРЫ	НОМЕР	БОГДАНОВСКИЙ																			СЮРАНСКИЙ						
		1	2	3	04	05/2	7	03	9	10	11	20	22	16	17	24	25	28	17A	172	30	31	41	45	49	49a	
Glomospiroides spp.	●								●								●										
Endothyra bowmani gr.	●						●	●		●	●	●				●										●	
End. excellence	●						●	●							●												
End.? tumulifera	●																	●									
Semiendothyra surenica	●											●															
Bradyina concinna	●	●						●								●											
Haplophragma angularis	●									●					●												
Eostaffella proikensis	●								●																		
E. raguschensis	●																										
E. ovoidea	●	●	●						●							●		●									
E. pseudoovoidea	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
E. pseudostruvei	●		●	●	●	●	●	●			●					●		●							●		●
E. mosquensis acuta	●		●		●																						●
E. parastruvei surenensis	●																										
E. postmosquensis acutiformis	●	●														●	●	●	●							●	
Plectostaffella jakhensis	●						●											●		●	●	●	●	●	●	●	●
Plectostaffella sp.	●					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Eostaffella paraprotvae	●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Biseriella minima	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Globivalvulina sp.	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Monotaxinoides transitorius	●	●	●			●											●	●									
Archaeodiscus krestovnikovi	●	●	●															●									
Arch. velgurensis	●																										
Rugosoarch. latispiralis	●																										
Asteroarchaeodiscus rugosus	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ast. bashkiricus gr.	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Neoarchaeodiscus postrugosus	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Endotaxis brazhnikovae	●						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Eostaffella acuta	●																										
Howchinia gibba	●																										
Mesolasiodiscus sp.	●																										
Plectostaffella bogdanovkensis	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Eostaffella postmosquensis	●										●	●					●	●	●	●	●	●	●	●	●	●	●
Endothyra phrissa	●																										
Plectostaffella varvariensis tenuissima	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Parastaffella utkaensa	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pseudoendothyra ex gr. illustrata	●																										
Semistaffella minuscularia	●																										
Archaeodiscus convexus	●	●																									
Plectostaffella varvariensis gr.	●	●																									
Globivalvulina bulboides	●	●																									
Gl. kamensis	●	●																									
Mitterella sp.	●																										●
Mill. cf. lyschnjanskensis	●																										
Semistaffella ex gr. primitiva	●																										
Eostaffella pseudostruvei chomatifera	●																										
Semistaffella variabilis	●																										
Mitterella paraumbilicata	●																										

. 8. , . 4.
 15



Рис. 9. Распространение фауны в разрезе Кня. Составили Е.И. Кулагина, В.Н. Пазухин, Н.Н. Кочетова
Условные обозначения см. на рис. 2

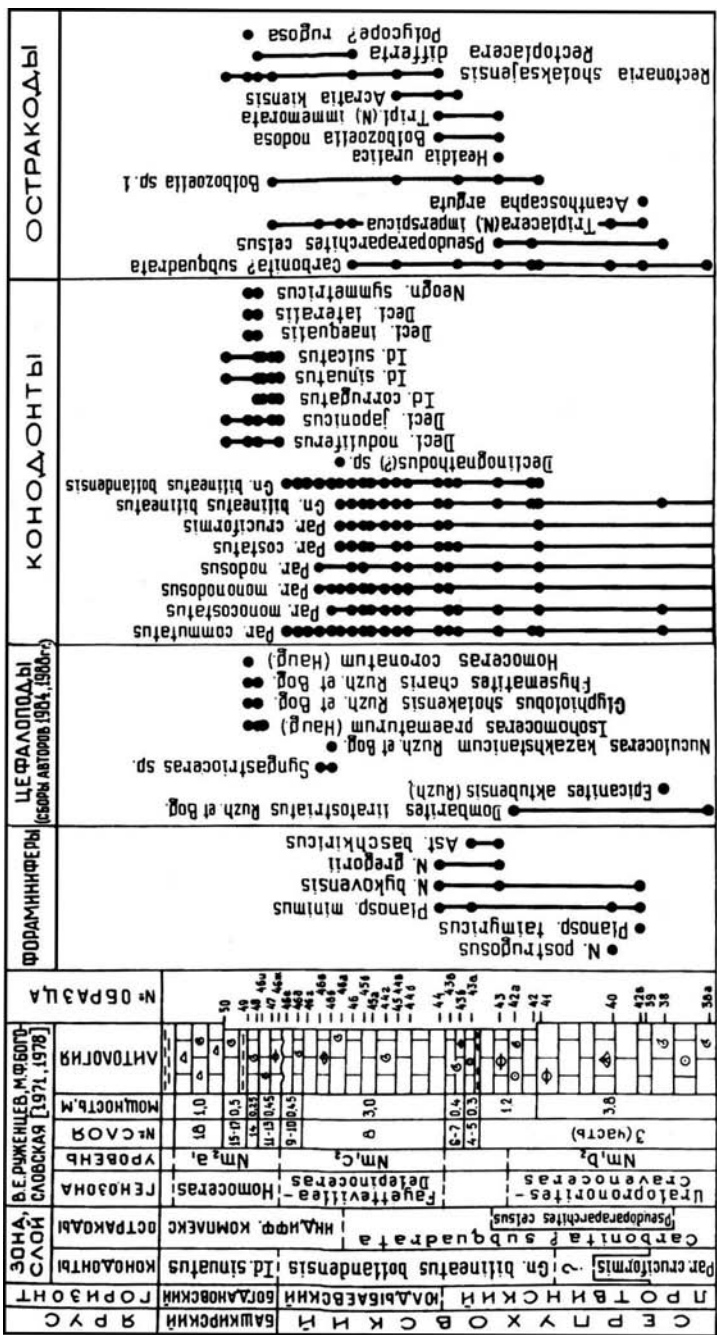


Рис. 10. Распространение фауны в разрезе Шолак-Сай. Составили Е.И. Кулагина, В.Н. Паушин, Н.Н. Кочетова
Условные обозначения см. на рис. 2

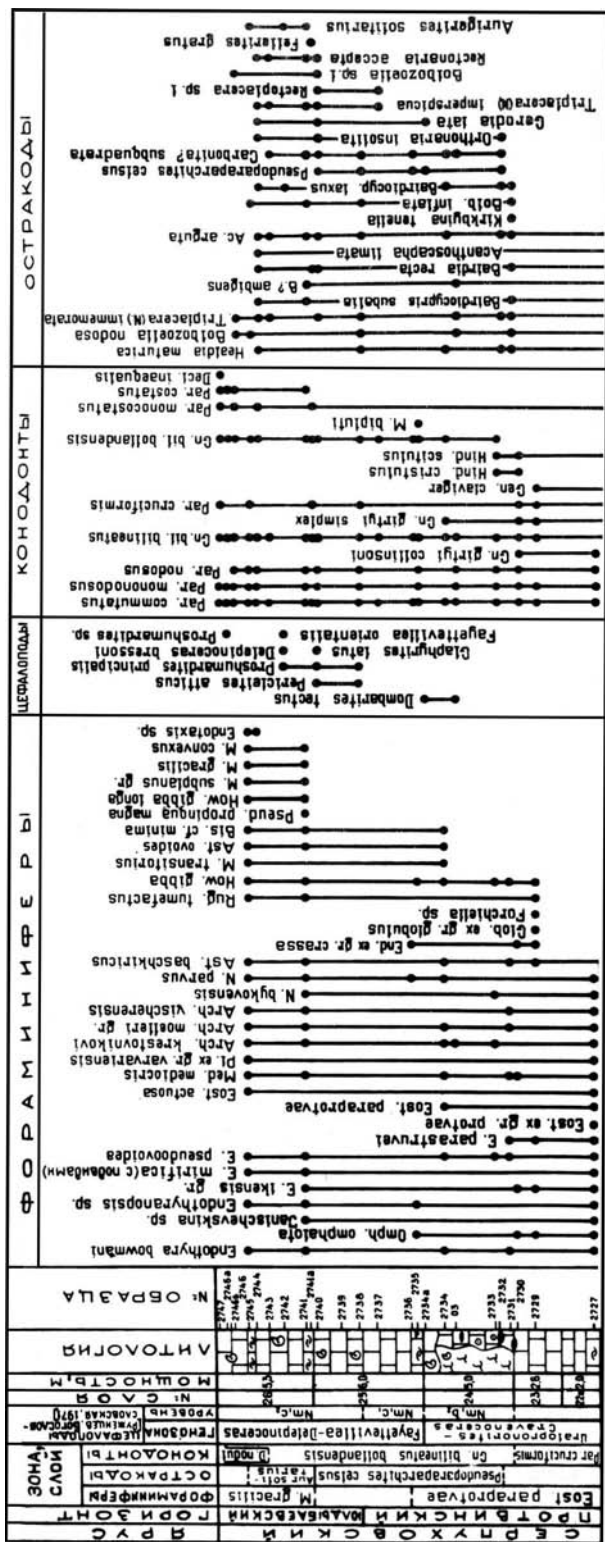


Рис. 11. Распространение фауны в разрезе Верхнекардаиловский. Составили Е.И. Кулагина, В.Н. Па-
 зухин, Н.Н. Кочетова
 Условные обозначения см. на рис. 2

Gnathodus bilineatus bollandensis. (. 9, 10). 5 8-10

1,2-3,5 .

Nm_{1c2} ([1971]).

Aurigerites solitarius. Gn. bilineatus bollandensis

0,5 .

(" " (1),

[1971]). Homoceras Nm_{2a1} [1978]).

(. . 12; Idiognathoides sinuatus

(. . 10).

, 1972]. [.

[1973], . . [. . . , 1936, 1947]; [1971], . . .

[1977]. 22 -25 (. . .),

10 .

Eostaffellina paraprotvae (. 11). Nm_{1b2}, Gnathodus bilineatus bollandensis

Pseudoparaparchites celsus. 25 (. .) 26,

8 .

Delepinoceras bressoni. 2 Nm_{1c2}

Monotaxinoides gracilis,

M. transitorius - Eol. donbassicus

Aurigerites solitarius (. . 11). Gn. bilinea-

tus bollandensis. 26

Declinognathodus inaequalis (Higg.).

(. . 12).

Earlandiidae, Pseudoammodiscidae, Tournayellidae, Endothyridae, Bradyinidae, Eostaffellidae, Staffellidae, Palaeotextulariidae, Valvulinidae, Tetrataxidae, Biseriamminidae, Archaediscidae, Lasiodiscidae.
 Endothyridae, Eostaffellidae, Bradyinidae, Biseriamminidae, Lasiodiscidae, Archaediscidae.
 Pseudoammodiscidae (Pseudoglomospira, Pseudoammodiscus, Tolypammina, Ammvertella, Palaeonubecularia)

[, 1988].

Eostaffellina protvae, Eostaffellina actiosa [, 1988] (. . 4, 5) (. . 11).

. ikensis;

Eost. actiosa

— Archaediscus krestovnikovi, A. moelleri, A. grandiculus, Rugosoarchaediscus tumefactus, Asteroarchaediscus ovoides; Neoarchaediscus parvus, N. timanicus, N. bykovensis, Planospirodiscus minimus.

(. . 4).

Eosigmoilina explicata – Monotaxinoides subplanus

Neoarchaediscus postrugosus (, . . 2), Monotaxinoides transitorius (, . . 5), M. transitorius – Eolasiiodiscus donbassicus (, . . 4), Monotaxinoides gracilis (, . . 11).

"Eolasiiodiscus donbassicus" [, 1988].

Endothyranopsis, Globoendothyra, Pojarkovella,

End. prisca, End. parapriska; Planoendothyra spiriliformis, Plan. aljutovica, Bradyina ex gr. minima, Br. nautiliformis, Endotaxis brazhnikovae.

Plectostaffella orbiculata —

Eost. actiosa, Pl. varvariensis.

Howchinia gibba, H. gibba longa, Monotaxinoides subplanus, M. transitorius, M. gracilis, Eolasiiodiscus donbassicus.

Archaeodiscus, Rugosoarchaediscus, Asteroarchaediscus, Neoarchaediscus.
 Archaeodiscus grandiculus, Rugosoarchaediscus tumefactus, Asteroarchaediscus ovoides;
 Archaeodiscus moelleri gigas, A. inflatus, A. operosus.
 Neoarchaediscus postrugosus, Asteroarchaediscus subbaschkiricus.
 Biseriella minima, Globivalvulina bulloides; Gl. kamensis.
 Plectostaffella bogdanovkensis [1980]
 (. . . 7. 5, 4, 2).
 Plectostaffella bogdanovkensis, Eostaffella postmosquensis, E. pseudostruvei
 (. . . H. gibba longa) Endothyranopsis ex gr. crassa
 Plectostaffella Pl. cuboides, Pl. varvariensiformis tenuissima, Pl. jakhensis, (. III, 26), Semistaffella – S. minuscularia.
 novkensis [1987], Pl. bogdanovkensis (. . . 4).
 Pl. bogdanovkensis,
 End. phrissa, End. excellens, End. bowmani maxima, End. tumulifera, Semiendothyra surenica, Endotaxis brazhnikovae; Badyina concinna.
 (. V, 1–3). Lasiodiscus.
 Mesolasiodiscus " "
 (. V, 2) Mesolasiodiscus
 discus [. . . , 1990]. [1978]
 Biseriella minima, Globivalvulina bulloides, Gl. kamensis.
 A. krestovnikovi, A. chernousovensis.
 rugosus Neoarchaediscus postrugosus.
 E. pseudostruvei – E. postmosquensis – Pl. varvariensis [1987] (. . . 8–16)
 . . . 4 (. . . 4, 5, 8).
 [. . . , 1987].

Pl. evolutica, Pl. obtusa. Semistaffella minusci-
 laria. —S. cf. primitiva, S. variabilis.

Plectostaffella bogdanovkensis,

([Becker, 1982]),
 ([Becker, 1982]),
 65 , 26 , 4

Pseudoparaparchites celsus (. 1).

3, — 8; . 4, 10, 11). 24, 25, — —
 celsus, ↑² Carbonita ? subquadrata sp. nov.; ↑ Kirkbyina tenella sp. nov., ↑ Healdia uralica sp. nov., ↑ Bolbozoella sp. 1, ↑ Bairdiocypris laxus sp. nov., ↑ Gerodia lata sp. nov.; Libumella sp., ↑ Healdia maturica sp. nov., ↑ Bolbozoella inflata, ↑ Bolb. nodosa, ↑ Rectonaria ovata sp. nov., ↑ Orthonaria insolita sp. nov., ↑ Rectoplacera explicata sp. nov., ↑ R. differta sp. nov., ↑ Triplacera (Necrateria) imperspicua sp. nov., ↑ Tr. (N.) immemorata sp. nov., ↑ Bairdia recta, ↑ Bairdianella sp., ↑ Bairdiocypris subalia sp. nov., ↑ B.? ambigens sp. nov., ↑ Acanthoscapha limata sp. nov., ↑ Ac. arguta sp. nov., ↑ Acratia kiensis sp. nov. ↑ Rectonaria accepta sp. nov., ↑ R. sholaksajensis sp. nov., Rectoplacera sp. 1, ↑ Aurigerites lunatus sp. nov. ↑ Amphissites aff. centro-notus, ↑ Ectodemites planus, ↑ Ect. tumidus, ↑ Healdia ikensis sp. nov.

Aurigerites solitarius 26; — 5;
 . 9, 11). Aurigerites solitarius sp. nov., ↑ Fellerites gratus sp. nov., Anahuacia rara sp. nov.

¹ : ↓ —
² ; ↑ — ; ↓ —

↑ ↓.
↑ *Polycope ? rugosa*, ↑ *Shishaella circinata* sp. nov., ↑ *Shivaella evidens*, ↑ *Chamishaella exigua*, ↑ *Microcoeloenella orbiculata*.

[Becker, 1982, , 1984]
, 2 — Olleros; , R₁ — Namur-Schiefer;
— (Valdeteja) (Westfal)
().

(9 , . 76/3; . . 4)
Decl. noduliferus — Gn. bilineatus bollandensis
() ↑ *Fellerites gratus* sp. nov.,
() , ↑ *Ectodemites tumidus*, ↑ *Ect. planus*,
Kellettina sp., ↑ *Kirkbyina tenella* sp. nov., ↑ *Microcoeloenella orbiculata*, ↑ *Dorsoobliquella ovalis*, ↓ *Healdia uralica* sp. nov., ↓ *H. ikensis* sp. nov., ↓ *Bolbozoella nodosa*,
↑ *B. inflata*, *Bairdia*, ↑ *B. chudolasensis*, ↑ *Bairdiocypris indiges*, ↓ *Bairdiocypris subalia* sp. nov., ↑ *Basslerella simonovae*, ↑ *Bass. subcrassa*,
↑ *Bass. firma* . (. . 1).

(*Fellerites gratus*, *Kirkbyina tenella*, *Healdia uralica*, *H. ikensis*, *Bolbozoella nodosa*, *Bairdiocypris subalia*),
[, 1983]

(*Bairdia chudolasensis*, *Bairdiocypris indiges*, *Basslerella simonovae*).
Ardmorea gibberosa — *Limnoprimitia arcuata*
(, . 4, 1–20;
. 7).

Limnoprimitia arcuata, ↑ *Javatus kisilensis*, *Chamishaella opima*, *Ardmorea gibberosa*.
Perprimitia digna sp. nov., ↑ *Idiomorphina subsimplex* sp. nov., ↑ *Roundyella subaculeata* sp. nov., *Bairdia bogdanovkensis* sp. nov.;
↑ *Coeloenellina ultima*, ↑ *C. serotina*, ↑ *Shishaella claytonensis*, ↓ *Shish. circinata* sp. nov.,
↓ *Bolbozoella inflata*, ↑ *Bairdia gibbus*, ↑ *B. laklyensis*, ↑ *B. cestriensis* var. *granulosa*, ↑ *Bairdiocypris obtusus*, ↑ *B. subconspicuus*, ↑ *Acratia demissa*, ↑ *Macrocypris lenticularis*, *Discoiella perspicua* ↑ (. . 1).

↑ *Coeloenellina serotina*, ↑ *Shivaella evidens*, ↑ *Microcoeloenella orbiculata*,
↑ *Dorsoobliquella ovalis*, ↑ *Bairdia gibbus*, ↑ *Bairdiocypris indiges*.

A. gibberosa — *L. arcuata*
[1983]

Ardmorea gibberosa — *Limnoprimitia arcuata*,

1
(. 2, 4, 5, 7, 9–11).

12 . , 80%
Hibbardella, *Hindeodel-
la*, *Ligonodina*, *Lonchodina*, *Neoprioniodus*, *Ozarkodina*,

(. 2)

Вид	Ярус		Серпуховский	?	Башкирский	
	Горизонт		Протвинский	Юлдыбаевский	Богдановский	Сюрранский
	Конодонтовая зона		Par. cruciformis	Gn. bil. bollandensis	Decl. noduliferus	
		Decl. nod. – Gn. bil. bollandensis			Decl. nod. – Decl. lateralis	
1	2	3	4	5	6	
Gn. bil. bilineatus (Roundy)						
Gn. bil. bollandensis Higg. et Bouck.						
Gn. girtyi collinsoni Rh., A. et Dr.						
Gn. girtyi girtyi Hass						
Gn. girtyi simplex Dunn						
Gn. pseudosemiglaber Thomps. et Fell.						
Par. commutatus (Br. et M.)						
Par. costatus Paz. et Nem. sp. nov.						
Par. cruciformis (Clarke)						
Par. monocostatus Paz. et Nem. sp. nov.						
Par. monodosus (Rh., A. et Dr.)						
Par. multinodosus (Higg.)						
M. bipluti Higg.						
Hind. cristulus (Youngq. et Mill.)						
Hind. scitulus (Hinde)						
Gen. claviger (Roundy)						
Gn. kiensis Paz. sp. nov.						
C. unicornis Youngq. et Mill.						
Decl. noduliferus (Ell. et Grav.)						
Decl. inaequalis (Higg.)						

1	2	3	4	5	6
Decl. lateralis (Higg. et Bouck.)				—	—
Rh. muricatus (Dunn)				—	—
Ad. lautus (Gunnel)				—	—
Decl. japonicus (Igo et Koike)				—	—
Id. sinuatus Harr. et Holl.				—	—
Id. sulcatus Higg. et Bouck.				—	—
Neogn. symmetricus Lane				—	—
Rh. minutus (Higg. et Bouck.)				—	—
Id. corrugatus (Harr. et Holl.)				—	—

: Ad. — Adetognathus, —
 Cavusgnathus, Decl. — Declinognathodus, Gen. — Geniculatus, Gn. — Gnathodus,
 Hind. — Hindeodus, Id. — Idiognathoides, M. — Mestognathus, Neogn. — Neognat-
 hodus, Par. — Pr. Paragnathodus, Rh. — Rhachistognathus.

Paragnathodus cruciformis

Par. multinodosus
 Gnathodus girtyi
 simplex. Gnathodus bilineatus bilineatus,
 Gn. girtyi collinsoni, Gn. girtyi girtyi, Gn. pseudosemiglaber, Paragnathodus commutatus,
 Par. costatus sp. nov., Par. monocostatus sp. nov., Par. mononodosus, Par. nodosus, Par.
 homopunctatus, Mestognathus bipluti, Geniculatus claviger.
 $Nm_1b_1-Nm_1b_2$ () E_1 .

[1987].

Gnathodus bilineatus bollandensis

Gn. kiensis. Gnat-
 hodus bilineatus bilineatus, Paragnathodus commutatus, Par. costatus sp. nov., Par. cruci-
 formis, Par. monocostatus sp. nov., Par. mononodosus, Par. multinodosus, Par. nodosus,
 Mestognathus bipluti, Cavusgnathus unicornis; Gnat-
 hodus girtyi collinsoni, Gn. girtyi girtyi, Gn. girtyi simplex, Gn. pseudosemiglaber,
 Geniculatus claviger, Hindeodus cristulus, Hind. scitulus.
 Nm_1b_2 () — Nm_1c_2 ().

V_3c [Groessens, 1974; Higgins, Bouckaert, 1968].

Gn. bilineatus bollandensis — Ad. unicornis

Eumorphoceras (E_2) [Higgins, 1975].

Declinognathodus noduliferus

: (Decl. noduliferus — Gn. bilineatus bollandensis),
 Declinognathodus
 (98–100%), (Decl. noduliferus — Decl. late-
 ralis) — Declinognathodus,

Declinognathodus noduliferus – Gnathodus bilineatus bollandensis -
Declinognathodus
inaequalis Decl. noduliferus.
, — Gnathodus bilineatus bilineatus, Gn. bilineatus bollandensis,
Paragnathodus commutatus, Par. costatus sp. nov., Par. monocostatus sp. nov., Par. mono-
nodosus, Par. multinodosus, Par. cruciformis. Cavusgnathus unicornis,
Mestognathus bipluti.

—
Eol. donbassicus – M. transitorius,

Declinognathodus Delepinoceras
bressoni (Nm_{1c2}). - D. bressoni
. 46 (. . 10) Declinognat-
hodus (?) sp., , - , Decli-
nognathodus. Gn. bilineatus
bollandensis

Homoceras (-
1989). (-
8)
Decl. noduliferus – Gn. bilineatus bollandensis,
Declinognathodus.
Decl. noduliferus
D. bressoni (E₂) — Homoceras (H₁).
(D₅),
Decl. noduliferus Gn. bilineatus
bollandensis [..., 1983; , 1987].

Declinognathodus noduliferus – Decl. lateralis
Declinognathodus lateralis
Gnathodus, Paragnathodus, Cavusgnathus, Mestognathus;
Decl. japonicus, Decl. inaequalis
Decl. noduliferus. Adetognathus lautus, Rhachistognathus
muricatus,

Gnathodus Paragnathodus (-
).
Pl. bogdanovkensis. Homoceras (-
Nm_{2a1}), Id. sinuatus, Homo-
ceras (Nm_{2a1}). Decl. noduliferus – Decl. lateralis

Decl. noduliferus
Homoceras [Higgins, 1975; Ramsbottom et al.,
1979]; —
[Higgins, Rouckaet, 1968].

Decl. noduliferus – Rh. primus
[Lane, 1977]. Decl. noduliferus (Rh. minutus declinatus –
Decl. noduliferus inaequalis Decl. noduliferus noduliferus – Decl. lateralis)
[, 1987].

Idiognathoides sinuatus
Idiognathoides sinuatus Id. sulcatus, —
Idiognathodus sinuosis. Idiognathoides corrugatus.

Серпуховский			Башкирский			Ярус
Протвинский		Юлдыбаевский	Богдановский		Сюранский	Горизонт
Nm _{1b2}	Nm _{1c1}	Nm _{1c2}	Nm _{2a1}		Nm _{2a2}	Nm _{2b}
Par. cruciformis	Gn. bilineatus bollandensis	Decl. noduliferus Decl. nod. – Gn. bil. boll.		Decl. nod. – Decl. lateralis		Id. sinuatus
Цефалоподовый уровень						
Конодонтная зона, подзона						

13.

Neognathodus symmetricus Rhachistognathus minutus, Decl. noduliferus, Decl. inaequalis, Decl. noduliferus, Decl. lateralis, Decl. japonicus, — Rhachistognathus muricatus Adetognathus lautus. Pl. bogdanovkensis

[Id. sinuatus Nm_{2a2}], 1978; [Id. sinuatus Nm_{2a1} — Reticuloceras (R₁).], 1973,] Homoceras (Nm_{2a1} — Reticuloceras (R₁).), () Homoceras. Id. sinuatus Id. sinuatus Reticuloceras (R₁). Id. sinuatus – Neogn. symmetricus (), [, 1987].

3— Decl. noduliferus; 2—
Id. sinuatus.

Declinognathodus.

Id. sinuatus —

(. 13).
Rhachistognathus Adetognathus

: 1 —
Decl. noduliferus – Decl. lateralis;

Homoceras.

Declinognathodus,
—

Eumorphoceras (E₂) Homoceras (H₁).

2 H₄,

(. . 16).

Striatifera angusta.

(C₁S₂kl)

1959 .
Striatifera striata

[. . , 1965].

1401

VIII

(. . 15),

1975 .
Eostaffellina protvae.

(. . 13–15)

Eostaffellina protvae

Endothyranopsis sphaerica (Raus. et Reitl.), Eostaffella mirifica Brazhn., E. pseudostruvei (Raus. et Bel.), Eostaffellina protvae (Raus.), E. schartimiensis (Mal.), E. actiosa Reitl., Howchinia gibba (Moel.), Archaeodiscus chernousovensis Mamet .; — Endothyra irregularis Reitl., Pseudoglomospira ulutchurica (Rum.), Eostaffella mosquensis Viss., Eostaffellina subsphaerica Gan. . (. . 4). 40



. 14.
 1-3 — : 1 — -
 637, 842-852, 2 —
 101, 103, 3 — -
 830; 4 — -
 (), XIX; 5 —
 XIV; 6 — -
 422; 7 — , 821, 822,
 I; 8 — , II; 9 —
 , III; 10, 11 —
 1401, 11 — ,
 VI; 12 — ,
 354 , , 353 —

Striatifera Beleutella,
 1401-172 , 196 300 .
 VI-VI (35-45)

: Striatifera striata Fisch., Overtonia fimbriata Sow., Schellwinella crenistria Phill., Striatifera globula Serg., Latiproductus edelburgensis (Phill.), Fusella cf. pseudotriangularis (Semich.) ();
 Juanophyllum aff. kansuense Yii., Caninia aff. conjuncta Gorsky, Chaetetes rossicus Sokolov, Ch. (Boswellia) heritschi Sokolov, Koninckophyllum aff. interruptum Thomson et Nichols, Palaeosmilia cf. jagovkini (Gorsky); Palaeoberesella lagusella Berch., Koninckopora martelmansi Mamet, Aphrolisia sp. Epimastopora sp., Nanopora sp. 180 .

803 (, 4-36)

24 Caspieza calva Afan., . aculeata Afan., . urcus Afan. (.) .

(. , ,), - (.) .

-I (61, 64, 65; . . . 15)

Paragnathodus nodosus, Par. mononodosus, Gnathodus bilineatus bollandensis,
 (E₂). 100
¹ (C₁S₂dt) Eosigmoilina explicata,

1971 .

1401, 16-19), , , (-
 16-23). (19) (

Ple-

ctostaffella posochovae (H₁).
 Eosigmoilina explicata
 Fayettevilla -Delepinoceras (Nm₁C₂)
 Eostaffellina protvae - Monotaxinoides subplanus - Eosigmoilina explicata

85 Monotaxinoides
 transitorius Brazhn. et Jar., Loeblichia minima Brazhn., Endothyra (Birectoendothyra) ex
 gr. nana (Lip.), Janischewskina operculata (Raus. et Reitl.), Eostaffella mirifica Brazhn.,
 Plectostaffella cf. varvariensis (Brazhn. et Pot.), Pl. prima sp. nov., Pl. binominata sp. nov.,
 Eosigmoilina namuriensis (Dain), Eos. explicata Gan.

(. . . 4).
 : Forshia, Omphalotis,

Pojarkovella, Janischewskina. 20 , , ,
 Earlandia vulgaris (Raus. et Reitl.),
 A. krestovnikovi, Eostaffella ex gr. ikensis Viss,
 Endothyra (Birectoendothyra) nana (Lip.), Loeblichia minima Brazhn.,
 Eosigmoilina explicata Gan., E. namuriensis (Dain) .. Plectostaffella.
 Plectostaffella

Chonetes dalmanianus Kon., Ch. prae-carboniferus Sok., Productus
 subcarbonarius Sar., Schizonhoria resupinata Mart. (16, 17)
 : Donezella aff. lunaensis Rach., Schartymophycus fusus Kulik, Un-
 gdarella cf. uralica Maslov, Nanopora aff. fragilissima (Maslov). 90 .

III (9, 12) Adetognathus scale-
 num Varker, Ad. unicornis (Rexr. et Burton), Gnathodus bilineatus bollandensis Higg. et
 Bouck., Eumorphoceras (E₂).
 (. . . 4).
 II (9-25)
 Eosigmoilina explicata Brazhn., E. namuriensis (Dain)
 (50 ; . 4). 16-19 : Palaeo-
 smilia murchisoni stukenbergi Edw. et Haime, Dibunophyllum dipartitum M'Coy, D. aff.
 derbiensiformis Vass., Arachnolasma (Arachnolasmia) karatawica Bik., Litostrotion aff.
 altaicum (Weber), Gangamaphyllum aff. crenulatum Gorsky. 109 .

ВЯЗЕ СЕРПУХОВСКИ	НИЖНИИ	МАУРАТ - ШАТКИИ	АУАНДИТАУ - САРАТКИИ	УИНСКИИ	БИБАУСКИИ	СЕСАВИНСКИИ	УАНБЭВАН - САРАТКИИ	ПОАБРАУС
	№ пор - VUS	№ пор - VDE	№ пор - VDE	pl poso - chove	pl poso - chove	pl ses - voria	pl ses - voria	

Ф. УЯ
637,
842-852

Р. УЯ
101-103

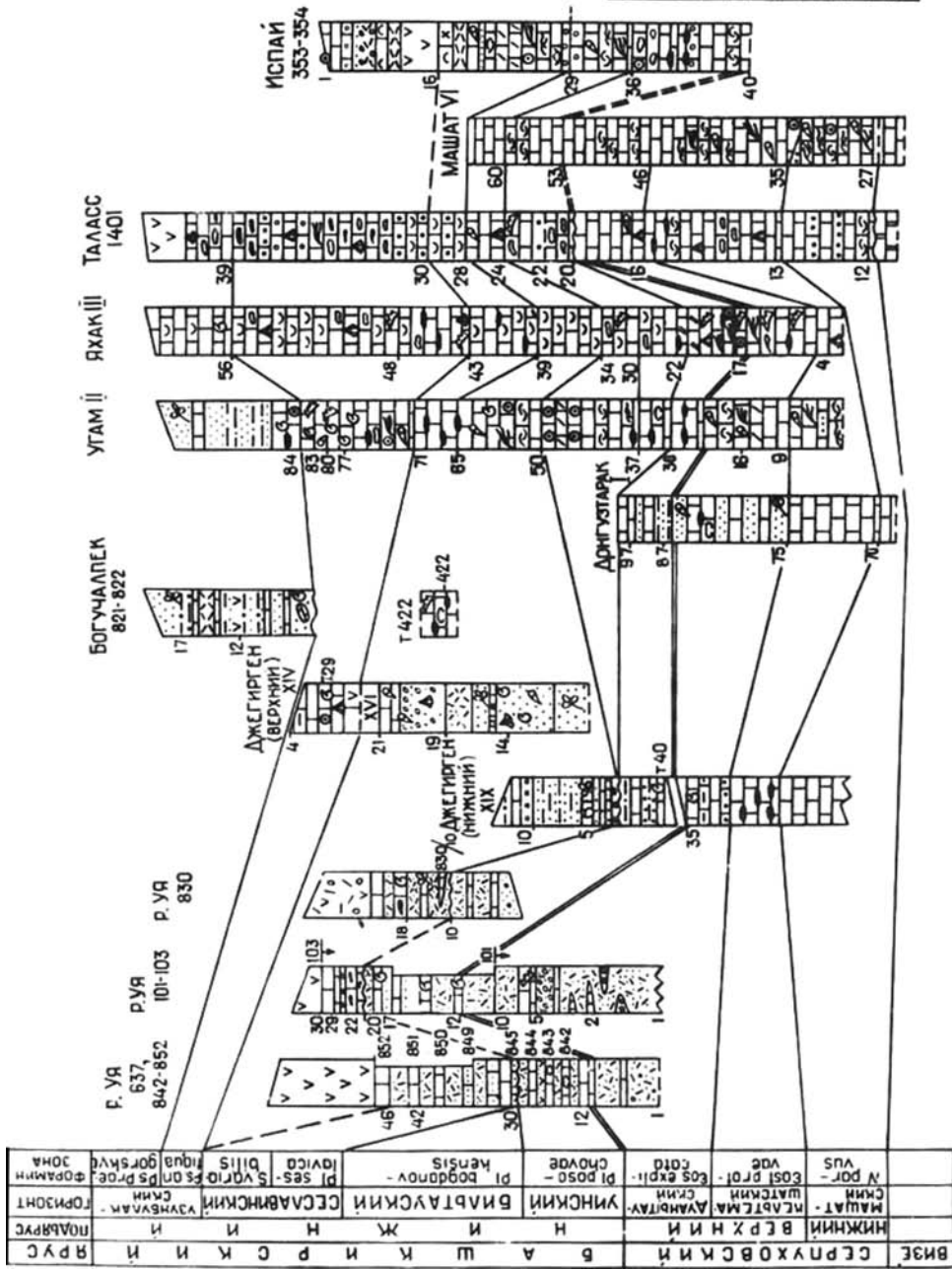
830

БОГУЧАЛПЕК
821-822

УТАМ II ЯХАК III
ТАЛАСС
1401

ИСПАЙ
353-354

360 М
300
240
180
120
60
0



15.

←

(. . . 15).

Beleutella rara Litv. 103 (2, 8, 10; . 15)

Eosigmoilina explicata Gan. 12

Stenopronorites kasachstanicus (Pit.), S. ferganensis

Rauser, Epicanites praecursor (From.), Eumorphoceras bisulcatum Girty, Paracravenoceras asiaticum Pit. msc., Euroceras truncicum Pit. msc., Glaphyrites soletus Pit. msc., Proshumardites delepinei Schind.

(. . . 101/5) Gnathodus bilineatus bollandensis Higg. et Bouck., Cavusgnathus unicornis Young et Muller, E₂.

XIX (35)

Eosigmoilina explicata Gan. E. namuriensis (Dain) Delepinoceras bressoni Rezh. (Nm_{1c2}) (. . .).

(29) Martinia ex gr. glabra Mart., M. cf. minima Jan., Phricodothyris sp. Stenopronorites sp., Proschumardites sp. (. . .).

-I (75-86)

75 80

Eosigmoilina explicata, 40 83

84 Ectodemites cf. tumidus Cooper, Kirkbyina tenella N. Kotch. sp. nov., Bairdiocypris subalia N. Kotch, sp. nov., Roundyella cf. uensis N. Kotch. sp. nov. (. . . 3); 84, 86— : Arachnolasma aff. sinense composita Volk., Diphyphyllum cf. tuberculatum Volk., Tschernowiphyllum aff. kasachstanensis Bik., Gangamophyllum aff. crenulatum Gorsky, Dibunophyllum dipartitum M'Coy . . .

78 Lepidodendron sp., Mesocalamites sp., Sphenopteris sp., Sphenopteridium sp. (. . .).

— 80 310 (. . . 15).

(. . . 16).

(C₂b_{1un}) Plectostaffella posochovae, Nm_{2a1}) Homoceras-Hudsonoceras (- Plectostaffella bogdanovkensis

" " [, 1941, 1952]. , 1
103 (13–20).
Eumorphoceras-2 (12). Choristites bisulcati-
formis. 62 .
1984]. 103 (17) [, 1941, 1952; , 1963; 1982 .
Isohomoceras praematurum (Haug.),
Homoceras.
Plectostaffella posochovae,
Plectostaffella posochovae
(. . 4).
Endothyranopsis, Howchinia, Globoendothya, Eosigmoilina, Valvulinella, Loeblichia.
Plectostaffella
: Plectostaffella cf. varvariensisformis
Brazhn. et Vdov., P. posochovae sp. nov., Pl. binominata sp. nov., Pl. chomatifera sp. nov.,
Pl. sokolovia sp. nov., Pl. quadrata sp. nov., Pl. ignorabilis sp. nov., Pl. talassica sp. nov., Pl.
ugamella sp. nov.
: Eostaffella pseudostruvei chomatifera Kir., E. mosquensis
acuta Raus., E. postmosquensis Kir. Eostaffellina aff. paraprot-
vae (Raus.). Plectoeostaffellina Eostaffella –
Eostaffellina – Plectoeostaffellina – Semistaffella – Pseudostaffella – Profusulinella,
Millerella aff. kasakhstanica (Raus.), M. cf. umbilicata Kir.
Endothyra donetziana Pot., End. bowmani Phill., End. (Birectoendot-
hyra) aff. donbassica Brazhn. Endothyra ex gr. prisca Raus. et
Reitl., End. spirilliniformis Brazhn. et Pot. Globivalvulina bulloides (Brady),
Endotaxis cf. planus Brazhn., Haplophragmina angularis Brazhn.,
Glomospira, Tolypammina, Trepeilopsis, Jani-
schewskina.
Archaediscus stilus Grozd. et Leb, Neoarchaediscus timani-
cus (Reitl.), N. postrugosus (Reitl.) Neoarchaediscus incertus
(Grozd. et Leb.), Asteroarchaediscus baschkiricus (Krest. et Theod.)
(14, 15, 20) 50
Eostaffella kireevae sp. nov., E. lata Grozd. et Leb., E. compressa Brazhn., E. postmosquensis
Kir., Plectostaffella cf. posochovae sp. nov., Pl. irregularia Reitl., Pl. uinskaja sp. nov., Para-
staffella globosa Ros. Haplophragmina angularis Brazhn., Globivalvulina bulloides (Brady),
Bradyina concinna Reitl. (. . 4).

Chonetes schmieri Paeck. Linoproductus corrugatus
 M'Coy, Productus concinnus Sow., "Spirifer" bisulcatus Sow. ,,
 17 . . . Isohomoceras praematurum Ruzh.
 (20, . 103/20) Kirkbyella cf. clara N. Kotch. sp. nov.,
 Perprimitia digna N. Kotch. sp. nov., Idiomorphina tumida (Cr. et Thurm.) ,,
 (. . . 3).
 , 637 (. . . 15), :
 (842) Knoxiella dubiosa N. Kotch. sp. nov., Idiomorphina subsimplex N.
 Kotch. sp. nov. (843), -
 . 103/20 . Ectodemites tumidus Cooper
 (. . . 3).
 , 830 (6), Declinognathodus noduli-
 ferus (Ell. et Grav.), D. lateralis (Higg. et Bouck.),
 Homoceras.

Plectostaffella posochovae -

XIX (1-4) , , Eostaf-
 fella mosquensis Viss., Plectostaffella cf. posochovae Rumjanzeva sp. nov, Pl. cf. varvariensiformis Brazhn. et Vdov. 40 .
 1-4 40 Proschumardites cf.
 delepinei Schind., Eumorphoceras (Nm_{1c2}) Homoceras
 (Nm_{2a}). H. — Homoceras beirichianum
 Kon., Pseudohomoceras cf. smithi Brown., [1952, . 37]

I Plectostaffella posochovae

87-97.

(88, 97) Kirkbyella asiatica N. Kotch. sp. nov. Gortanella
 rumjancevae N. Kotch. sp. nov., Kirkbya kellestae Harlton, Knoxiella dubiosa N. Kotch. sp.
 nov., Janischewskya sublevigata N. Kotch. sp. nov. Kirkbyella asia-
 tica – Janischewskya sublevigata (. . . 3). 94 -
 Gnathodus bilineatus bollandensis Higg. et Bouck.
 (89, 97) Profischerina (?) singularis (Gorsky), -
 , Michelinia cf. rectotabulata Vass., D₅⁷-D₅⁸ .

: Productus concinnus Sow., P. talassicus
 Tjul., msc., Actinoconchus adeprissiora Einor, 80 .

II (26-30)

43 . 70

Plectostaffella varvariensiformis Brazhn. et Vdov., Pl. posochovae sp. nov., Pl. sokolovia sp.
 nov., Monotaxinoides cf. transitorius Brazhn. et Jar.; Archaediscus, Neoar-

chaediscus, Asteroarchaediscus, Tetrataxis, Glomospira, Tolypammina, Ammover-
 tella, Tripeilopsis (. . . 4). (27–30) Linopro-
 ductus tenuistriatus Vern., Fluctuaria cf. undata Defr., Martinia ex gr. glabra Mart., Retic-
 ulata cf. ivanovi Lap. (. . .).
 III Plectostaffella posochovae
 17–21 (. . . 15).
 Linoproductus corrugatus (M'Coy), Eomarginifera
 schartimiensis Jan. 70 .
 Monotaxinoides. 17 Declinognathodus noduliferus
 (Ell. et Grav.), Homoceras.
 staffella posochovae 353–357 . Plecto-
 (35–40).
 70 .
 (C₂b_ybl) < 2/3 Plectostaffella bogdanovkensis,
 Homoceras – Hudsonoceras (Nm₂a₂)
 (. . . 16).
 1401 , 20–23)
 , , , - -
 . 81 .
 Plectostaffella bogdanovkensis (-
 20), , ,
 (ex gr. Variabilis Reitl.),
 (Plectomediocris, Plectomillerella). " " -
 () Fusulinidae, Archaediscidae,
 " " .
 Plectostaffella bogdanovkensis 98 -
 Plectostaffella cuboides
 (Rum.), Pl. jakhensis Reitl., Pl. irregularia Reitl., Pl. ex gr. bogdanovkensis Reitl.,
 Pl. karsaklensis Kul., Pl. mira obtusa Reitl., — Pl. ispaica, Pl. serpuchovia,
 Pl. indefinita, Pl. ugamella, Pl. chomatifera, Pl. jachakia,
 (. . . 4). Archaediscus
 variabilis Reitl., Neoarchaediscus gregorii (Dain), N. postrugosus (Reitl.), Asteroarchaediscus
 subbaschkiricus (Reitl.), Monotaxinoides subplanus Brazhn., Endostaffella angusta
 sp. nov., Bradyina venusta Reitl., Br. subita Mal., Br. cribrostomata Raus. et Reitl. (.
 . 4).
 Plectostaf-
 fella — Pl. talassica, Pl. ovalis, Pl. jachakia, Pl. asiatica, Pl. lata (Brazhn. et Vdov.),
 Pl. bogdanovkensis Reitl., Pl. evolutica (Rum.), Pl. varvariensiformis Brazhn. et Vdov.
 (. . . 4). Plectostaffella bogdano-
 vkensis -
 (. . . 15). -

C₂b₁ss)

: — Plectostaffella seslavica — Semistaffella variabilis; —
 Reticuloceras – Bashkortoceras
 Eostaffella pseudostruvei — E. postmosquensis – Plectostaffella varvariensis
 [1965].
 , Plectostaffella seslavica —

 , Eostaffella "Rectostaffella"
 fella, Globivalvulina granulosa Reitl. Ozawainella, Semistaf-
 1401
 (24–27; . . . 15), Plectostaffella seslavica —
 ,
 (, 68);
 II (50–64) —
 (135);
 III (34, 35) —
 (21).
 Plectostaffella seslavica —

120 : , Haplophragmina duanitivica
 sp. nov., H. angularis Brazhn., Trepeilopsis grandis minima Dain, Endothyra baschkirica Pot.,
 Semiendothyra ugamella sp. nov., Bradyina cribrostomata Raus. et Reitl., Eostaffella klautza-
 na Grozd. et Leb., E. angularis Brazhn., E. pseudostruvei (Raus. et Bel.), E. angusta Kir.,
 E. postmosquensis acutiformis Kir., E. nauvalia Rum., E. lepidaeformis Kir., E. cf. kanmerai
 Igo, E. compacta Rum., Millerella uralica Kir., M. donetziana Pot. Plecto-
 staffella 20 —
 (. . . 4), Pl. seslavica (Rum.), Pl. evolutica (Rum.), Pl. longiscula Rum.
 eto. Orl. sp. nov., Pl. cuboides (Rum.), Pl. indecora (Reitl.), Pl. baisultanica Reitl., Pl. ignorabi-
 lis Rum. sp. nov.

[1941, 1952]
 (-), I —
 (. . . 14) (
 103).

Choristites bisulcatiformis

Reticuloceras, [, 1952].
 823 XIX (5; . . . 15) —
 Hudsonites sp., Reticuloceras sp.,
 () Syngastrioceras sp., Proschumardites sp., Ramosites sp., Tectireti-
 tes sp., Pericleites aff. uralicus Libr., R_{1a} (. . . —
).

Plectostaffella seslavica 637 (30-
 42), 845-852 (848, 849), 103 (22-
 25), 830 (10-25) (. . 15).

830 (18) Glaphyrites sp., Reticulo-
 ceras (gen. et sp. nov.), Stenopronorites uralensis Libr. R₁ (. . -
).

80
 Parastaffella uinskaja Rum., P. struvei (Moell.), Eostaffella ovoideaformis Reitl., E. post-
 mosquensis Kir., E. parastruvei (Raus.) chussovensis Kir., E. pseudostruvei (Raus. et Bel.),
 E. klautzana Grozd. et Leb., E. angusta (Kir.), E. karzhantavica Rum., E. compacta Rum.,
 E. nauvalia Rum., Plectostaffella seslavica (Rum.), Pl. evolutica (Rum.), Pl. bogdanovkensis
 Reitl., Pl. indecora Reitl., P. longiscula Rum. et Orl. sp. nov., Millerella pressula Gan.,
 " "

Idiognathoides sulcatus Higg. et
 Bouck., Adetognathus gigantus (Gunn.), Neognathodus bassleri Lane, Choristites
 cf. pseudobisulcatus Fred. et Pot., Neospirifer cf. nauvalensis Tjul., Linoproductus gasensis
 Volg., L. postovatus Semich., Dictyoclostus donetzianiformis Volg., D. cf. gruenewaldti Einor,
 D. cf. molleri Ituck., Productus concinnus Sow., P. cf. alexeni Vol. ,

(. 845, 846) Javatus kisilensis -
 Chamishaella opima (. . 3). Plectostaffella seslavica
 60 160 .

XIX — (5-10;
 . 15) Plectostaffella seslavica
 90 .

823 (5), R_{1a},
 Reticuloceras - Bashkortoceras.

Meekella sp., Streptorynchus sp., Neochonetes carboniferus Keys.,
 Eomarginifera schartimiensis Jan., Spirifer sp., Martinia minima Jan., Phricodothyris
 cf. lissitzini Pol. [. . 1984].

Triquitrites
 desperatus Pot. et Kr., Cyclogranisporites surensis (Losse) Pot. et Kr., Granulatisporites
 minutus Pot. et Kr., Verrucosisporites microverrucosus Ibr., Reticulatisporites sp.,
 Florinites luberae Samoil., Diploxypinus sp.

Semistaffella variabilis .

Plectostaffella seslavica;
 (35-65). Semistaffella variabilis
 Eostaffella (. . 4).

Semistaffella variabilis Plectostaffella
 seslavica Pseudostaffella antiqua. -

Semistaffella variabilis

(-

15), Syngastrioceras
supinum Ruzh. et Bog., Reticuloceras excultum Ruzh. et Bog., Tectiretites cf. posterus
Ruzh. et Bog., T. cf. hudsoni Ruzh. et Bog., Brevikites sp., Homoceratoides sp., Proshu-
mardites sp., Reticuloceratidae gen. et sp. indet.

(Nm₂b₃) ().

"Spirifer" cf. bisulcatus Sow., Eomarginifera schartimiensis
Jan., Martinia ex gr. glabra Mart., Fusella triangularis Mart. ().

(20)

Seterlandia sp.,
Opiphyllum sp., Amygdalephylloides sp., Stereolas-
ma aff. monothylloides Fom.,

Semistaffella variabilis 850 851 830
(22-26).

851 (. . 15)

20-100

Neochonetes carboniferus
Keys., Echinoconchus punctatus Mart., Pustula pustulosa Phill., Productus moelleri Stuck.,
Pr. productiformis Nas., Linoproductus cora Orb., L. paiensis Volg., Marginifera
schartimiensis Jan., Choristites pseudobisulcatus Freb. et Pot., Phricodothyris cf.
mosquensis E. Ivan., Orthotetes cf. crenistria Phill., Schizophoria resupinata Mart.,
Dielasma sp. (

); — Sulcella tjanshanica
(. 851, 851 ; . . 3).

(C₂b₁uz)

antiqua (R₂¹) — Pseudostaffella praegorskyi — Profusulinella staffellaeformis
(R₂²) (. . 15).

Eosigmoilina explicata)

(1401)
(H₁ " (2), () — ")

(-)

[Becker, 1982c)

40 28

(I-83, I-84; . 3) Ec-

todemites tumidus, Kirkbyina tenella sp. nov., Bairdiocypris subalia sp. nov., Round-

yella uensis sp. nov.,

(. 3)

Kirkbyella asiatica – Janischewskya sublevigata (. I-88, I-97; -637, . 842). Kirkbyella asiatica sp. nov., Gortanella rumjancevae sp. nov., Kirkbya kellettae, Knoxiella dubiosa sp. nov., Janischewskya sublevigata sp. nov., Cavellina ventrosa sp. nov., ↓ Ectodemites tumidus, Ect. planus, ↑ Idiomorphina subsimplex, ↑ Id. tumida, ↑ Shishaella? subsymmetrica, ↑ Shivaella asselica, ↑ Cavellina rotunda, ↑ Healdia vera sp. nov., ↑ Bairdia laklyensis, ↑ B. rustica, ↑ Roundyella uensis sp. nov.

Kirkbyella, Gortanella, Janischewskya, Knoxiella, Idiomorphina, Roundyella

[Cooper, 1941; Sohn, 1977].

(Shishaella? subsymmetrica, Shivaella asselica, Bairdia laklyensis, B. rustica), (Kirkbya kellettae, Cavellina rotunda) () (Ectodemites tumidus, Ect. planus, Idiomorphina tumida)

K. asiatica – J. sublevigata Plectostaffella posochovae , - , Homoceras (H₁¹). Kirkbyella clara – Perprimitia digna (-637, . 843; -103, . 20). ↑ Kirkbya punctata, ↓ Shishaella? subsymmetrica, Shish. harltoni, ↑ Chamishaella exigua, ↑ Microcoeloenella orbiculata, ↑ Healdia amanda sp. nov., ↓ Pseudobythocypris centralis, Bairdia aff. chudolasensis, ↑ Bairdiocypris indige, ↑ Roundyella subaculeata sp. nov.;

↑. (Bairdia aff. chudolasensis, Bairdiocypris indiges) (Kirkbya punctata, Shishaella harltoni, Chamishaella exigua, Pseudobythocypris centralis)

Ho- mocerans (H₂²) Plectostaffella posochovae. Javatius kisilensis – Chamishaella opima (-637, . 845, 846; . 422). ↓ Idiomorphina subsimplex sp. nov., ↑ Shivaella evidens, ↓ Chamishaella exigua, ↓ Dorsoobliquella ovalis, ↓ Healdia vera sp. nov., ↓ Roundyella uensis sp. nov.

Таблица 3 (окончание)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
<i>Ectodermites tumidus</i> Cooper, 1941	cf.1		11			10		9			1	8	22
<i>Ect. planus</i> Cooper, 1941			1	2									
<i>Kloxiella dubiosa</i> N. Kotch. sp. nov.			1	13	1								
<i>Kirkbyina tenella</i> N. Kotch. sp. nov.	5												
<i>Perprimidia digna</i> N. Kotch. sp. nov.						7	33						
<i>Janischevskyia sublevigata</i> N. Kotch. sp. nov.		2		20									
<i>Idiomorphina subsimplex</i> N. Kotch. sp. nov.				57				1	4				
<i>Id. tumida</i> (Cronois et Thurman, 1938)				6		2	2				20		1
<i>Shishaeella? subsymmetrica</i> Kotsch., 1983				1	2	10				10	2		
<i>Shish. hartoni</i> (Bradfield, 1935)							9						
<i>Shivaeella asselica</i> Jagudina, 1979													
<i>Shiv. evidens</i> Kotschetkova, 1983				70	18	1	31	1					2
<i>Chamishaeella exigua</i> (Cooper, 1946)						18							10
<i>Ch. opima</i> Kotschetkova, 1983										8			
<i>Microcoeloella orbiculata</i> Kotsch., 1983						1	8			25			
<i>Dorsoobliqueella ovalis</i> Kotschetkova, 1989										1			1

<i>Cavellina ventrosa</i> N. Kotch. sp. nov.	3	14	17	1				3				5
<i>Cav. rotunda</i> Cooper, 1946		12						8				8
<i>Sulcella tjanshanica</i> N. Kotch. sp. nov.		90	18	2	134	3	15	2				70
<i>Healdia vera</i> N. Kotch. sp. nov.					2							20
<i>H. amanda</i> N. Kotch. sp. nov.					28							11
<i>Pseudobythocypris pediformis</i> Knight												
<i>Ps. centralis</i> (Coryell et Billings, 1932)		1	2	8								1
<i>Bairdia rustica</i> Kotschekova, 1983		20		1								
<i>B. laklyensis</i> Kotschekova, 1983		38		12								
<i>B. eff. chudobasensis</i> Kotschekova, 1983					14							
<i>Bairdiacypris indiges</i> Kotschekova, 1983				5								7
<i>Bairdiocypris subalia</i> N. Kotch. sp. nov.	4											
<i>Roundyella uensis</i> N. Kotch. sp. nov.	cf. 2	3	10	10	1	7	5	8				38
<i>R. subaculeata</i> N. Kotch. sp. nov.					86							
<i>Tricaratina</i> sp.												5

Примечание. Указано количество экземпляров.

Ard. gibberosa – L. arcuata

Plectostaffella seslavica

Reticuloceras (R_1^1).

Sulcella tjanshanica (-830, 10; -637, . 851, 851).
- , Hollinella cf. radlerae, ↓ Kellettina sp., Amphissites centronotus,
Pseudobythocypris pediformis, Triceratina sp. ↓ Ectodemites tumidus,
↓ Idiomorphina tumida, ↓ Cavellina rotunda, ↓ Healdia amanda sp. nov., ↓ Pseudobythocypris
centralis , ↑, ↓ (. . 3).

taffella variabilis , ,

Reticuloceras (R_1^2).

Semis-

Delepinoceras bressoni (),
 Eosigmoilina explicata – Monotaxinoides subplanus [, 1988].
 Bradyina cribristomata, E. mirifica, E. mirifica compressa, Planoendothyr-
 ra spiriliniformis, Howchinia subconica, Monotaxinoides subplanus, M. transitorius, M. con-
 vexus, Archaediscus grandiculus . (. 4).
 Earlandia, Janischewskina, Howchinia.
 Pl. varvariensis.
 Valvulinella,
 Endotaxis,
 E. explicata – M. subplanus
 (. 16). Eosigmoilina explicata
 ta – Monotaxinoides transitorius – Loeblichia minima ()
 [, 1978 , ;
 , 1982; ..., 1983; .., 1989].
 Eosigmoilina explicata — Loeblichia minima,
 [, 1986].

Вид	Фораминиферовые зоны								
	Ep	Ee	Pp	Pb		Es	Sv	Pa	Psp
1	2	3	4	5	6	7	8	9	10
<i>Earlandia elegans</i> (Raus. et Reitl.)									
<i>E. vulgaris</i> (Raus. et Reitl.)									
<i>E. moderata</i> (Mal.)									
<i>Paracaligella antropovi</i> Lip.									
<i>Pseudoglomospira elegans</i> (Lip.)									
<i>P. subquadrata</i> (Pot. et Vak.)									
<i>P. pusilliformis</i> (Reitl.)									
<i>P. ulutchurica</i> (Rum.)									
<i>P. postserenae</i> Brazhn.									
<i>P. karzhantavica</i> (Rum.)									
<i>Ammovertella</i> sp.									
<i>A. vaga</i> Reitl.									
<i>Tolypammina fortis</i> Reitl.									
<i>T. complicata</i> Reitl.									
<i>T. repanda</i> Popova									
<i>Palaeospiroplectammina tcherny shinensis</i> (Lip.)									
<i>Palaeonubecularia uniserialis</i> Reitl.									
<i>Endothyra bowmani</i> Phill.									
<i>End. bowmani maxima</i> Brazhn. et Pot									
<i>End. prisca</i> (Raus. et Reitl.)									
<i>End. paraprisca</i> Schlyk.									
<i>End. excellens</i> (D. Zeller)									
<i>End. donetziana</i> Pot.									
<i>End. phrissa</i> (D. Zeller)									
<i>End. baschkirica</i> (Pot.)									
<i>End. irregularis</i> Reitl.									
<i>End. eastaffelloides</i> Reitl.									
<i>End. inusitata</i> Reitl.									
<i>End. ? tumulifera</i> Reitl.									
<i>End. (Rectoendothyra) donbassica</i> Brazhn.									
<i>End. (Birectoendothyra) sp.</i>									
<i>End. (B.) nana</i> (Lip.)									
<i>Semiendothyra surenica</i> Reitl.									

1	2	3	4	5	6	7	8	9	10
Endothyranopsis sp.	---	---	---	---	---	---	---	---	---
End. sphaerica (Raus. et Reitl.)	---	---	---	---	---	---	---	---	---
End. ex gr. crassa (Brady)	---	---	---	---	---	---	---	---	---
Pojarkovella nibelis (Durk.)	---	---	---	---	---	---	---	---	---
P. honesta Sim.	---	---	---	---	---	---	---	---	---
Omphalotis omphalota (Raus. et Reitl.)	---	---	---	---	---	---	---	---	---
Globoendothyra ex gr. globulus (Eichw.)	---	---	---	---	---	---	---	---	---
Planoendothyra spiruliniformis (Brazhn. et Pot.)	---	---	---	---	---	---	---	---	---
Plan. aljutovica (Reitl.)	---	---	---	---	---	---	---	---	---
Endostaffella parva (Moell.)	---	---	---	---	---	---	---	---	---
End. asymmetrica Ros.	---	---	---	---	---	---	---	---	---
End. fucoides Ros.	---	---	---	---	---	---	---	---	---
Loeblichia minima Brazhn.	---	---	---	---	---	---	---	---	---
Palaeotextularia latissima Brazhn.	---	---	---	---	---	---	---	---	---
P. consobrina Lip.	---	---	---	---	---	---	---	---	---
P. longiseptata Lip.	---	---	---	---	---	---	---	---	---
P. angusta Reitl.	---	---	---	---	---	---	---	---	---
Cribrostomum bradyi Moell.	---	---	---	---	---	---	---	---	---
Cr. eximium Moell.	---	---	---	---	---	---	---	---	---
Climacammina iperta Reitl.	---	---	---	---	---	---	---	---	---
Cl. prisca Lip.	---	---	---	---	---	---	---	---	---
Cl. tenuicribrata Reitl.	---	---	---	---	---	---	---	---	---
Cl. simplex Reitl.	---	---	---	---	---	---	---	---	---
Bradyina ex gr. minima Reitl.	---	---	---	---	---	---	---	---	---
B. cribratomata Raus. et Reitl.	---	---	---	---	---	---	---	---	---
B. concinna Reitl.	---	---	---	---	---	---	---	---	---
B. venusta Reitl.	---	---	---	---	---	---	---	---	---
B. subita Mal.	---	---	---	---	---	---	---	---	---
B. magna Rot. et Skinn.	---	---	---	---	---	---	---	---	---
B. nautiliformis Moell.	---	---	---	---	---	---	---	---	---
Janischewskina delicata (Mal.)	---	---	---	---	---	---	---	---	---
J. operculata (Raus. et Reitl.)	---	---	---	---	---	---	---	---	---
Haplophragmina angularis Brazhn.	---	---	---	---	---	---	---	---	---
H. beschevensis Brazhn	---	---	---	---	---	---	---	---	---
H. duanitavica Rum. sp. nov.	---	---	---	---	---	---	---	---	---
H. (Haplophragminoides) lata Brazhn.	---	---	---	---	---	---	---	---	---
H. (H.) variabilis Brazhn.	---	---	---	---	---	---	---	---	---

1	2	3	4	5	6	7	8	9	10
H. (H.) horridus (Brazhn.)									
Tetrataxis exornatus Conil et Lys									
T. lata Bog. et Juf.									
T. regularis Brazhn									
T. pressula Mal.									
T. izhmica Durk.									
T. angusta Viss.									
T. parviconica Lee et Chen									
T. quasiconica Brazhn.									
T. media Viss.									
T. acutus Durk.									
T. (Globotetrataxis) elegantula Brazhn.									
Valvulinella sp.									
V. angulata Brashn.									
Trepeilopsis sp.									
Trepeilopsis granularis Brazhn.									
Endotaxix brazhnikovae (Bog. et Juf.)									
End. angusta Rum. sp. nov.									
End. planiformis Brazhn.									
Howchinia gibba (Moell.)									
How. gibba longa Brazhn.									
Monotaxinoides subplanus (Brazhn. et Jar.)									
M. transitorius Brazhn. et Jar.									
M. grandis (R. Ivan.)									
M. gracilis (Dain.)									
M. convexus Brazhn.									
M. priscus Brazhn. et Jar.									
Eolasiodiscus donbassicus Reitl.									
Eol. muradymicus Kul. sp. nov.									
Mesolasiodiscus? sp.									
Biseriella parva (N. Tchern.)									
Bis. minima (Reitl.)									
Globivalvulina bulloides (Brady)									
Gl. kamensis Reitl.									
Gl. cf. granulosa Reitl.									
Eosigmoilina explicata Gan.									
Eos. pamirica (M.-Maclay)									

1	2	3	4	5	6	7	8	9	10
. minima Brazhn.		—							
. namuriensis Dain		—							
. rugosa Brazhn.		—							
Archaediscus moelleri Raus.		—							
A. krestovnikovi Raus.		—							
A. krestovnikovi piesis Conil et Lys		—							
A. chernousovinsis Mamet		—							
A. varsanofievae Grozd.	—								
A. operosus Schlyk.		—							
A. magnus Schlyk.		—							
A. inflatus Schlyk.		—							
A. convexus Grozd. et Leb.		—							
A. convexus sarbaicus Popova		—							
A. grandiculus Schlyk.		—							
A. velgurensis Grozd. et Leb.		—							
A. vischerensis Grozd. et Leb.	—								
A. stilus Grozd. et Leb.		—							
A. elongatus Skv.		—							
A. probatus Reitl.		—							
A. variabilis Reitl.		—							
A. teres Conyl et Lys		—							
Neoarchaediscus parvus (Raus.)		—							
N. bykovensis (Sosip.)		—							
N. incertus (Grozd. et Leb.)		—							
N. gregorii (Dain)		—							
N. postrugosus (Reitl.)		—							
N. timanicus (Reitl.)		—							
N. planus Boz.		—							
Asteroarchaediscus rugosus (Raus.)		—							
Ast. baschkiricus (Krest. et Theod.)		—							
Ast. rugosimilis Brenckle		—							
Ast. ovoides (Raus.)		—							
Ast. subbaschkiricus (Reitl.)		—							
Rugosoarchaediscus celsus (Con. et Lys)		—							
Rug. tumefactus (R. Ivan.)		—							
Rug. akchimensis (Grozd. et Leb.)		—							
Rug. latispiralis (Grozd. et Leb.)		—							

1	2	3	4	5	6	7	8	9	10
Planospirodiscus minimus (Grozd. et Leb.)									
Plan. taimyricus Sosip.									
Eostaffella proikensis Raus.									
E. parastruvei Raus.									
E. parastruvei surenensis Reitl.									
E. ikensis Viss. gr.									
E. mosquensis Viss.									
E. mosquensis acuta Gan.									
E. kanmerai Igo									
E. prisca Raus.									
E. ovoidea Brazhn. et Pot.									
E. pseudoovoidea Reitl.									
E. angulata D. Zeller									
E. acuta Grozd. et Leb.									
E. mirifica Brazhn.									
E. mirifica compressa Brazhn.									
E. postmosquensis Kir.									
E. klautzana Grozd. et Leb.									
E. karzhantavica Rum.									
E. postmosquensis acutiformis Kir.									
E. cooperi D. Zeller									
E. constricta Gan.									
E. nalivkini Mal.									
E. raguschensis Gan.									
E. pespicabila Grozd. et Leb.									
E. lata Grozd. et Leb.									
E. kireevae Rum. sp. nov.									
E. rectopuella Rum. sp. nov.									
E. compressa Brazhn.									
E. ovoideformis Reitl.									
E. pseudostruvei (Raus. et Bel.)									
E. pseudostruvei angusta Kir.									
E. pseudostruvei chomatifera Kir.									
E. minutissima Raus.									
E. subsolania Scheng.									
E. designata (D. Zeller)									
E. pressula Gan.									
E. nauvalia Rum.									

1	2	3	4	5	6	7	8	9	10
. mixta Raus.									
. plectogyroides Saurin									
E.gruenwaldti Mal.									
Eostaffellina protvae (Raus.)									
Eost. paraprotvae (Raus.)									
Eost. actiosa Reitl.									
Eost. subsphaerica Gan.									
Plectostaffellina prima Rum. gen. et sp. nov.									
Plectostaffella orbiculata R. Ivan.									
Pl. varvariensis (Brazhn. et Pot.)									
Pl. bogdanovkensis Reitl.									
Pl. indecora Reitl.									
Pl. jakhensis Reitl.									
Pl. varvariensis (Brazhn. et Pot.)									
Pl. primitiva Rum. sp. nov.									
Pl. posochovae Rum. sp. nov.									
Pl. longa Rum. sp. nov.									
Pl. minima Rum. sp. nov.									
Pl. praevarvariensis Rum. sp. nov.									
Pl. sokolovia sp. nov. Rum.									
Pl. uinskaja Rum. sp. nov.									
Pl. berestovensis Brazhn. et Vdov.									
Pl. evolutica (Rum.)									
Pl. ignorabilis Rum. sp. nov.									
Pl. latissima Rum. sp. nov.									
Pl. binominata Rum. sp. nov.									
Pl. karsaklensis Kul. sp. nov.									
Pl. chomatifera Rum. sp. nov.									
Pl. quadrata Rum. sp. nov.									
Pl. ugamella Rum. sp. nov.									
Pl. serpuchovia Rum. sp. nov.									
Pl. indefinita Rum. sp. nov.									
Pl. varvariensiformis Brazhn. et Vdov.									
Pl. varvariensiformis tenuissima Brazhn. et Vdov.									
Pl. jachakia Rum. sp. nov.									
Pl. ispaica Rum. sp. nov.									
Pl. cuboides (Rum.)									

1	2	3	4	5	6	7	8	9	10
<i>Pl. lata</i> Brazhn. et Vdov.									
<i>Pl. asiatica</i> Rum. sp. nov.									
<i>Pl. akkujlukia</i> Rum. sp. nov.									
<i>Pl. longiscula</i> Rum. et Orl. sp. nov.									
<i>Pl. obtusa</i> Reitl.									
<i>Pl. seslavica</i> (Rum.)									
<i>Pl. savitskaja</i> Rum. sp. nov.									
<i>Pl. talassica</i> Rum. sp. nov.									
<i>Pl. grandissima</i> Rum. sp. nov.									
<i>Pl. limata</i> Rum. sp. nov.									
<i>Pl. usbekistanica</i> Rum. sp. nov.									
<i>Millerella elegantula</i> Raus.									
<i>Mil. kзахstanica</i> (Raus.)									
<i>Mil. pressula</i> Can.									
<i>Mil. donetziana</i> Pot.									
<i>Mil. umbilicata</i> Kir.									
<i>Mil. paraumbilicata</i> Man.									
<i>Mil. keltmensis</i> Raus.									
<i>Mil. lyschnjanskiensis</i> Brazhn.									
<i>Mediocris breviscula</i> Can.									
<i>Med. minima</i> Durk.									
<i>Med. ovalis</i> (Viss.)									
<i>Med. mediocris</i> (Viss.)									
<i>Med. evolutus</i> Ros.									
<i>Plectromediocris</i> sp.									
<i>Pl. asymmetrica</i> Brazhn. et Vdov.									
<i>Pseudoendothyra globosa</i> Ros.									
<i>Ps. illustria</i> Viss.									
<i>Ps. schlykovae</i> (Durk.)									
<i>Parastaffella struvei</i> (Moell.)									
<i>P. directa</i> (Ros.)									
<i>P. crassa</i> (Ros.)									
<i>P. concinna</i> Schlyk.									
<i>P. utkaensa</i> Post.									
<i>P. uinskaja</i> Rum.									
<i>Ozawainella aurora</i> Grozd.									
<i>Oz. pararhomboidalis</i> Man.									

1	2	3	4	5	6	7	8	9	10
Semistaffella minuscularia Reitl.									
S. primitiva Reitl.									
S. variabilis Reitl.									
S. irregularia Reitl.									
S. prima Reitl.									
S. varsanofieva Raus.									
Pseudostaffella costaffellaeformis Rum.									
Ps. korobezkikh Raus.									
Ps. antiqua (Dutk.)									
Ps. turbulenta Grozd. et Leb.									
Ps. globoides Pot.									
Ps. proozawai Kir.									
Ps. composita Grozd. et Leb.									
Profusulinella staffellaeformis Kir.									

----- , ----- , ----- x gr.

: Ep — Eost. protvae, — Eos. explicata — M. subplanus,
 p — Pl. posochovae Pb — Pl. bogdanovkensis, Es — Sv — E. pseudostruvei — E. postmos-
 quensis — Pl. varvariensis, Es — E. seslavica, Sv — S. variabilis, Pa — Ps. antiqua, Psp —
 Ps. praegorskyi.

[Laloux, 1987] Eosigmoilina explicata [Brenckle, 1977; Skipp et al., 1985].
 Delepinoceras bressoni. E₂
 Homoceras,
 H_{1a} () ()
 [, , 1991].
 Isohomoceras prema-
 turum — H₁ () Plec-
 tostaffella posochovae
 Eumorphoceras Eosigmoilina explicata.
 Plectostaffella,
 Eostaffellina , Endotaxis angusta.
 Pl. posochovae
 Pl. bogdanovkensis,

ОБЩАЯ СТРАТИГРАФИЧЕСКАЯ ШКАЛА СССР		Ю Ж Н Ы Й У Р А Л								
ЯРУС	ПОДЯРУС	ГЕНОЗОНЫ ЦЕФАЛОПОД.	ЗОНЫ ФОРАМИНИФЕР	Ц Е Ф А Л О П О Д Ы (Руженцев, Богословская, 1971, 1978)			ФОРАМИНИФЕРЫ	КОНДОНТЫ	ОСТРАКОДЫ	ГОРИЗОНТ
				ЗОНА	СЛОИ	УРОВЕНЬ				
БАШКИРСКИЙ	НИЖНИЙ	Bifinguites - Cancelloceras	Ps. praegorskyi - Pr. staffeltaeformis	B. superbi-linguites	Nm ₂ c	Nm ₂ c ₂	Ps. praegorskyi - Pr. staffeltaeformis	Idiognathodus	Kirkbyella aperta	АКАВАСЬСКИЙ - БАШКИРСКИЙ
			Ps. antiqua	Verneuillites verneuili		Nm ₂ c ₁	Ps. antiqua	sinuosus		
БАШКИРСКИЙ	НИЖНИЙ	Reticuloce- ras - Bashkortoceras	E. pseudostruvei - E. postmosquensis - Pl. varvariensis	R. reticulatum	Nm ₂ b	Nm ₂ b ₃	E. pseudostruvei - E. postmosquensis	Idiognathoides sinuatus	Ardmorea gibberosa - Limn. arcuata	СЮРАНСКИЙ
				Phalparthipaeum		Nm ₂ b ₂				
БАШКИРСКИЙ	НИЖНИЙ	Homoceras - Hudsonoceras	Pl. bogdanovkensis	Hudsonoceras proteum	Nm ₂ a	Nm ₂ a ₂	Pl. bogdanovkensis			БОГДАНОВСКИЙ
				Homoceras coronatum		Nm ₂ a ₁				
БАШКИРСКИЙ	НИЖНИЙ	Fayettevillea - Delepinoceras	Eost. protvae - Eos. explicata - M. subplanus	Delepinoceras bressoni	Nm ₁ c	Nm ₁ c ₂	Eos. explicata - M. subplanus	Decl. noduliferus	Индифф. КОМПЛЕКС	МОЛМАЕВСКИЙ
				Pericleites uraticus		Nm ₁ c ₁				
БАШКИРСКИЙ	НИЖНИЙ	Uralopronorites - Cravenoceras	Pseudoend. globosa - N. parvus	Dombarites tectus	Nm ₁ b	Nm ₁ b ₂	Eost. protvae	Cn. bilineatus boitandensis	Ps. celsus	ПРОТВАНСКИЙ
				Dombarites carinatus		Nm ₁ b ₁	N. parvus	Par. cruciformis		

ТЯНЬ - ШАНЬ			Д О Н Б А С С (УНИФИЦИРОВАННАЯ СХЕМА, 1991г.)			
ФОРАМИНИФЕРЫ	ОСТРАКОДЫ	ГОРИЗОНТ	ФОРАМИНИФЕРЫ	ЦЕФАЛОПОДЫ	КОНДОНТЫ (Немировская, 1983, 1987)	ГОРИЗОНТ
Ps. praegorskyi		УЗУНБАУКСКИЙ	Ps. antiqua		Id. sinuatus - Neogn. symmetricus	МАНУЙЛОВСКИЙ
Ps. antiqua						
S. variabilis	Sul. tjanshanica	РЕСАВАНСКИЙ	E. pseudostruvei - E. postmosquensis - Pl. varvariensis			ФЕНИНСКИЙ
Pl. seslavica	Jav. kislensis - Ch. opima	РЕСАВАНСКИЙ				
Pl. bogdanovkensis	?	БЛАТАУСКИЙ	Pl. berestovensis - E. angusta	Homoceras	Decl. n. noduliferus - Decl. lateralis	ВОЗНЕСЕНСКИЙ
Pl. posochovae	K. clara - Per. digna	УНИ-БЛАТАУСКИЙ				
Eos. explicata	K. asiatica - J. sublevigata	УНИ-БЛАТАУСКИЙ	M. transitorius - Eos. explicata	Eumorphoceras II	Rh. minutus declinatus - Decl. n. inaequalis	ЗАПАЛТЮБИНСКИЙ
Eost. protvae		КЕЛЬТЕМА-ШАТСКИЙ	Eost. protvae - E. mirifica		Cn. bilineatus boitandensis - Ad. unicornis	НОВОМОЛДОВСКИЙ
N. parvus				Eumorphoceras I	C. n. naviculatus	ПРЯКОРОВСКИЙ
					Par. nodosus	САМАРСКИЙ

ОБЩАЯ СТРАТИГРАФИЧЕСКАЯ ШКАЛА СССР			ЗАПАДНАЯ ЕВРОПА			СЕВЕРНАЯ АМЕРИКА												
ЯРУС	ПОДЯРУС	ГЕНОЗОНЫ ЦЕФАЛОПОД	ЗОНЫ ФОРАМИНИФЕР	ЯРУС	ЦЕФАЛОПОД	ФОРАМИНИФЕРЫ [Laloux, 1987]	КОНДОДОНТЫ [Higgins, 1975]	СИСТЕМА	СЕРИЯ	ЗОНА [Mamet, 1975]	ФОРАМИНИФЕРЫ [Brenckle, 1972; Skipp et al., 1985]	КОНДОДОНТЫ [Lane, 1977]						
БАШКИРСКИЙ	НИЖНИЙ	Bilinguites Cancelloceras	Ps. praegorskyi - Ps. Staffellaformis	R ₂		Ps. antiqua, Millerella, Seminovella	Id. sinuatus - I. primivus	ПЕНСЛЬВАНИЙ	АТОКА	21	Millerella	Neogn. symmet- ricus						
			Ps. antiqua															
СЕРПУХОВСКИЙ		Reticuloceras - Bashkortoceras	E. pseudostruvei - E. postmosquensis - Pl. varvariensis	R ₁	a ₁ b ₁ a ₂ b ₂ a ₃ b ₃		Id. corrugatus - Id. sulcatus	ПЕНСЛЬВАНИЙ	МОРОУ	20	Globivalvulina "pavense" rosigmatina? Plan. aljutovica	Id. sinuatus - Rh. minutus						
			Homoceras - Hudsonoceras										Pl. bogdanovkensis	H ₂	c ₂ a ₂ b ₂ c ₁ a ₁ b ₁	G1. moderata, Planosp. faimyricus	Id. noduliferus - S. lateralis	Decl. noduliferus - Rh. primus
			Fayettevillea - Delepinoceras										Eost. protvae - Eos. explicata - M. subplanus					
Uratopronotites - Cravenoceras	Pseudoend. globosa - N. parvus	E ₂	b a a		Kladognathus - Gn. dirtyi simplex	Ad. unicornis												
ЧЕЧЕСТЕР	18								E ₁	b c a			17			Kladognathus - C. naviculus		

16.

End. bowmani, End. escellens, End. phrissa, Bradyina cribristomata, Eostaffella pseudostruvei, Plectostaffella bogdanovkensis, P. jakhensis, Pl. kar-saklensis.

Pectostaffella berestovensis - Eostaffella angusta [Laloux, 1987].
Pl. bogdanovkensis, [Laloux, 1987]

Planoendothyra aljutovica,
Millerella marblensis Thompson [Brenckle et al., 1982; Skipp et al., 1985].
Eostaffella pseudostruvei - E. postmosquensis - Plectostaffella varvariensis [Laloux, 1987].

[Laloux, 1987], [Laloux, 1973].

Reticuloceras - Bashkortoceras,
R₁

ASTRORRHIZIDA

PSEUDOAMMODISCIDAE CONIL ET LYS, 1970

PSEUDOAMMODISCINAE CONIL ET LYS, 1970

Pseudoglomospira E. Bykova, 1955

Pseudoglomospira karzhantavica Rumjanzeva, 1970

. VII, 32

Pseudoglomospira karzhantavica: ,1970, .I, .25; ,1980, .IV,
.4

794/71, 560/106 (2); - , , . ;

2 — , 10-15 . $D = 0,30-0,36$. . = 4-5. , -

. . . 2-3 , -

(, .). , ,
(. , .).
. 14 . .

Pseudoglomospira ulutchurica Rumjanzeva, 1970

. VII, 28, 29

794/68, 560/88 (2); - , , . ;

, . ;

, , 20 .

¹
(, $D =$, . — , . — : $L =$, $D =$ —

. 15 .

CHERNYSHINELLIDAE REITLINGER, 1959

HAPL PHRAGMELLINAE REITLINGER, 1959

Haplophragmina Reitlinger, 1950

Haplophragmina duanitavica Rumjanzeva, sp. nov.

. XII, 30

794/212, 1401/24 (1);

0,45 0,80 0,56 : 1. 0,30
1-2

70

Haplophragmina.

. 3 .

FUSULINIDA

FUSULININA

FUSULININACEAE MOLLER, 1978

EOSTAFFELLIDAE , 1968, EMEND. REITLINGER, 1969

Eostaffella Rauser, 1948

Eostaffella kireevae Rumjanzeva, sp. nov.

. XI, 11

794/168, III-33 (4);

$L = 0,21$; $D = 0,45$; $L : D = 0,46$; . = 4 1/2.

10

Eostaffella postmosquensis Kireeva, 1951

(
7

Eostaffella rectopuella Rumjanzeva, sp. nov.

. VII, 7

rectopuella (). —
794/46, 19 ;

. $L = 0,22$; $D = 0,44$; $L : D = 0,50$; . = 4.

2

12

Eostaffella pinguis (Thompson)

5

***Plectostaffella* Reitlinger, 1971, emend. Rumjanzeva**

Plectostaffella jakhensis Reitlinger, 1971.

E. [1971] *Plectostaffella*

Eostaffella – *Plectostaffella* – *Pseudosta-*

ffella

Plectostaffella

: 1)
(; 2)

Plectos-

taffella.

Plectostaffella

Plectostaffella

Plectostaffella

50

Pseudostaffella.

$L:D$ 0,45.

10–20–35°;

Plectostaffella primitiva Rumjanzeva, sp. nov.

. VI, 9–11

primitivus () —

794/9,

VI-48;

$L = 0,154-0,182$; $D = 0,280-0,392$; $L:D = 0,46-0,5$; . . = 4–5.

10–20°.

15

Eostaffella postmosquensis Kireeva,

1951,

Plectostaffella,

Plectostaffella praevarvariensis Rumjanzeva, sp. nov.

. VI, 13

794/13,

VI-38;

3–4

$L = 0,153-0,238$; $D = 0,280-0,448$; $L:D = 0,50$; . . = 4.

60–80°.

Pl. primitiva

40°

. 5

Plectostaffella longa Rumjanzeva, sp. nov.

. VI, 14, 15

longus () —
794/14, III-12 (6);

3-4

$L = 0,126-0,182$; $D = 0,30-0,42$; $L : D = 0,34-0,43$;

. . = 4-5.

10°.

45°

12-14

Plectostaffella

(. 10 . ; , .) .

Plectostaffella minima Rumjanzeva, sp. nov.

. VI, 16-18

minimus () —
794/16, VI-46;

$L = 0,110$; $D = 0,240$; $L : D = 0,45$; . . = 3-3½.

1-2 30-35°.
10

(. 12 . ; , .) .

Plectostaffella varvariensis

(25-30°)

$L : D = 0,42-0,45$.

Plectostaffella asiatica Rumjanzeva, sp. nov.

. X, 11

794/137, 1401/20 (9);

0,210 ; $D = 0,322-0,434$; $L : D = 0,48-0,50$; . . = 4. $L = 0,154-$

10-15°
 10
 Plectostaffella varvariensis Brazhnikova et Potievskaja
 ()
 . 5

Plectostaffella ispaica Rumjanzeva, sp. nov.

. IX, 16

794/112, 550/1 (4);
 $D = 0,322-0,420$; $L : D = 0,43-0,46$; . = 3-5. $L = 0,154-0,196$;
 1
 20-30°
 12-15 ;
 ()
 . 17

Plectostaffella longiscula Rumjanzeva et O. Orlova, sp. nov.

. XII, 23

longisculus ()—
 794/205, III-36 (1);
 $L = 0,180-0,280$; $D = 0,390-0,530$; $L : D = 0,43-0,50$; . . = 4-5,
 2 6. 2-3 1,
 2
 5-10°

36-60° 1-1,5
 1-2
 15
 Pl. var-
 variensiformis Brazhnikova et Vdovenko, 1983
 (0,45-0,50 0,34-0,40),
)
 . 20

Plectostaffella akkujlukia Rumjanzeva, sp. nov.

. XIV, 18, 28

794/267, III-39 (6);
 (),
 . $L = 0,224$; $D = 0,434$; $L : D = 0,42-0,52$; . . = $3\frac{1}{2}-4$.

10-15°.

2

Plectostaffella berestovensis Brazhnikova et
 Vdovenko, 1983 ()
 0,52 0,42),
 10° 45°.
 - (, , ; -
 . 12)

Plectostaffella grandissima Rumjanzeva, sp. nov.

. XIV, 15

grandis () —
 794/254, III-386 (7);
 ;
 . $L = 0,180-0,200$; $D =$
 $= 0,480-0,520$; $L : D = 0,35-0,38$; . . = 4-5.
 3
 (2) .
 2 3
 2 2 2
 15

2
Plectostaffella limata

(. 5 ; , .) .

Plectostaffella cuboides

0,6. 20° . L : D

Plectostaffella quadrata Rumjanzeva, sp. nov.

. VII, 20

quadratus (.) —

794/59, III-19 (4); - , , ;

2 , 2 —

. L = 0,30 ; D = 0,50 ; L : D = 0,60–0,71; . . = 4.

20°.

. 3 .) .

Plectostaffella binominata Rumjanzeva, sp. nov.

. VII, 15, 16

binominata (.) — , minata —

794/55, III-18 (4); - , , ;

0,210 ; D = 0,35–0,45 ; L : D = 0,46–0,51; . = 3,5–4. . L = 0,118–

, 2 , 2–3

11 . 20–30° .

L : D,

Plectostaffella uzbekistanica Rumjanzeva, sp. nov.

. XIV, 27

794/265, III-39 (2);

0,30 ; $D = 0,40-0,51$; $L : D = 0,53-0,60$; . = 4-5.

. $L = 0,22-$

20°.

Plectostaffella cuboides [, 1974]

Plectostaffella uinskaja Rumjanzeva, sp. nov.

. VII, 14

794/53, 19 ;

. $L = 0,21$; $D = 0,34$; $L : D = 0,61$; . = 4-4,5.

12

Plectostaffella varvariensis lata Brazhnikova et Vdovenko, 1983

Plectostaffella bogdanovkensis

. $L : D = 0,55-0,63$.

Plectostaffella jachakia Rumjanzeva, sp. nov.

. X, 1, 2, 4
Plectostaffella bogdanovkensis: , 1988. . IV. . 15
794/130, III-31 (2); - , ,
; , , -
, , , , , -
0,56 ; $L : D = 0,5$; . = 4-5. . $L = 0,210-0,280$; $D = 0,35-$
2
10-20° . , , -

Plectostaffella bogdanovkensis Reitlinger, 1980,

, , -
, ; , , (-
, () .) .
. 7 .

Plectostaffella talassica Rumjanzeva, sp. nov.

. VII, 21
794/60, 830/8; - , . ; -
, , (),
, , , . $L =$
 $= 0,168-0,210$; $D = 0,308-0,350$; $L : D = 0,51-0,58$; . = 3,5-4. -
, 2 -
, , , -
, 1, 2 5 60° . 14 -
5-10° , , , -

Plectostaffella varvariensis lata Brazhnikova

et Vdovenko, 1983 -
, -
, , , , ,
(, , ; ,
,) .
. 12 .

Plectostaffella indefinita Rumjanzeva, sp. nov.

. X, 17

indefinitus () —

794/144, III-30 (1);

$L : D = 0,50-0,54$; $\alpha = 4$.
20°.

$L = 0,210-0,225$; $D = 0,392-0,420$;

60-70°

12

Plectostaffella jakhensis Reitlinger, 1971.

Plectostaffella savitskaja Rumjanzeva, sp. nov.

. XIV, 20

794/258, 637/44 (2);

0,49 ; $L : D = 0,66$; $\alpha = 4-5$.

$L = 0,33-0,38$; $D = 0,40-$

30-40°.

().

6

Plectostaffella karsaklensis Kulagina, sp. nov.

. III. 13-15; . IX, 9

Plectostaffella bogdanovkensis: , 1988, . IV, . 14

121/732,

$\alpha = 4,5$; $D = 0,022-0,028$

$L = 0,25-0,28$; $D = 0,46-0,50$; $L : D = 0,50-0,56$;

20-30°.

1-2

Pl. bogdanovkensis Reitlinger, 1980

Plectostaffella jakhensis Reitlinger, 1971

7). (; , 4; (, , -)
).
. 4 .

Plectostaffella posochovae

;
30-70°;
. $L : D = 0,57-0,62$.

Plectostaffella posochovae Rumjanzeva, sp. nov.

. VII, 18, 19

794/57, II-39; - , -

;
= 0,18-0,25 ; $D = 0,35-0,45$; $L : D = 0,57$.
3

70°;
30°.

;
30°;
().
. 12 .

Plectostaffella ugamella Rumjanzeva, sp. nov.

. X, 8, 9

794/135, III-33 (1); - , -

;
1-2
-
;

0,220 ; $D = 0,270-0,350$; $L : D = 0,58-0,60$; . = 3,5-4,5. $L = 0,165-$
30-45°.

2

Pl. posochovae

$L : D.$

()

. 12

Semistaffella Reitlinger, 1971

Semistaffella minuscularia Reitlinger, 1971

. III, 1-4, 7

Semistaffella variabilis forma minuscularia: , 1971, . I, . 8-10

Semistaffella variabilis: , 1988, . IV, , 21, 22

Plectostaffella jakhensis (part): Groves, 1988, . 17, 8

4002/8

[1971] . I, . 8;

$L = 0,12-0,16$; $D = 0,19-0,24$; $L : D = 0,65-0,80$; . =
=3-3,5; $D = 0,015-0,016$. 90° . 12-14.

Semistaffella variabilis [, 1961, . 240,

. III, . 8]

[1971]

S. variabilis minuscularia,

$L : D.$

S. variabilis.

(. , . 3 4;) .
20

ARGHAEDISCIDA

LASIODISCIDAE REITLINGER, 1956

Eolasiodiscus Reitlinger, 1956

Eolasiodiscus muradymicus Kulagina, sp. nov.

. V, 9, 11

121/363,

$L = 0,66-0,077$; $D = 0,3-0,4$; $L : D = 0,15-0,21$; . = 3.

0,8–0,9, 0,014–0,016

(, , , . 4).

. 4

Mesolasioidiscus Rauser-Chernousova et Chermnykh, 1990

Mesolasioidiscus ? nigrans Kulagina, sp. nov.

. V, 1, 3

nigrans (.) —

121/220, ; - ; -

$L = 0,07$; $D = 0,32-0,38$; $L : D = 0,50-0,58$. ; $L = 0,24-0,26$; $L : D = 5-6$. ; $L = 0,015-0,020$

0,03–0,033 ,
0,07–0,08 ,

Mesolasioidiscus [- , -

, 1990, . 124]

Lasiodiscus irregularis M-Maclay, 1954 [- , 1954, . 20–21, . I, . 12–14] , " , "

(, . 2) .

1

" [1960]

[, 1972; , 1984; Gramm, 1984; Treatise..., 1961; Gründel, 1962; Blumenstengel, 1965; Sohn, 1971; Bless, Jordan, 1971;].



[, 1983]: *Cn* (concha, f.) — , *Sn* (sinistra) — , *Dx* (dextra) —
(cardo, m.) — , *D* (dorsum, n.) — , *V* (venter, m.) —
, *AVP* — , *A* (anterior) — , *P* (posterior) — , *Fc* (facies, f.) —
, *DSn* (DDx) — () , *PV* — () , *PD* —
() , *AD* — () , *VSn* (VDx) — () , *AV* —
*S*₂ — , *L*, *L*₁, *L*₂, *L*₃ — , *ICn* — () , *S*₁ — ,
, *iCn* — () , *hCn* — , *IC* —

PALAEOCOPIDA HENNINGSMOEN, 1953

ROZHDESTVENSKAJITIDAE MCGILL, 1966

Fellerites Grundel, 1962

Fellerites gratus N. Kotchetova et Vakula, sp. nov.

. XVI, 5

gratus () —
 66-19, ; , -
 , 2140 (. , 1971 .); -
 . *Cn* - , , *D*,
 . V
P. *AVP* , (-
 0,06). . *A*, -
 . *lCn* — , *h* —
 , *A*, *tCn* — $\frac{1}{2} hCn$ *Av. Fc* .
 : *lCn* () = 0,765; *hCn* = 0,525; *tCn* = 0,42.
Fellerites bohlenensis Grundel
 [Grundel, 1962, . 63-65, . 5, . 1]

Fellerites subsutus Rozhdestvenskaja [,
 1972, . 30, . XIII, . 1] -
Fc.
 () ,
 () ,
).
 . 40 10 . — , ,

KIRKBYELLIDAE SOHN, 1961

Kirkbyella Coryell et Booth, 1933

Kirkbyella asiatica N. Kotchetova, sp. nov.

. XVII, 1

68-4, ; - , ,
 . 1-97; , - , *C* , *D* , *Dx*
Sn. ,
Sn *Dx* *AVP* , *P.* *P.* - , -
 , *A*, *V* , *V.* -
 , *L* , *Fc*
 , *P*,
hCn — , *tCn* — , S_2 , *lCn* — ,
L. Fc - .
 : *lCn* = 0,72; *hCn* = 0,39; *tCn* = 0,39; *l* = 0,585.
Kirkbyella quadrata Croneis et Gutke [Croneis, Gutke, 1939,
 c. 48-49, . I, . 12] (Renault)
 , *P*, -
*S*₂. *Fc*, , *S*₂ -
Kirkbyella cf. gutke Croneis et Bristol

[Cooper, 1946, . 106, . 17. . 9] (Fulda)
 ().
 . 1 Cn 11 .—

Kirkbyella clara N. Kotchetova, sp. nov.

. XVII, 2-5

clarus (.) — , .
 68-5 Dx, ; - , -637,
 . 843;
 . D
 . P , P, -
 V. P V.
 AV () AVP. S₂ , L -
 , Fc, P . lDx —
 , hDx — S₂, tDx — L. Fc .
 P V
 , : lDx = 0,885; hDx = 0,51; tDx = 0,3; l = 0,72.
 P.

Kirkbyella asiatica

D, V, hDx P, Fc.
 Fc L, S₂, hDx

Kirkbyella typa Coryell et Booth

[Coryell, Booth, 1933, . 262, . 3, . 7; Sohn, 1961, . 144,
 . 12, . 13-17].
 () -
 ().
 . 33 .— -637, -103.

HOLLINIDAE SWARTZ, 1936

Gortanella Ruggieri, 1966

Gortanella rumjancevae N. Kotchetova, sp. nov.

. XVII, 7-9

68-13 Sn ♀¹, 68-14 Sn ♂, ; - ,
 . 1-97;
 .
 V; P ½ hCn V. L₁ ,
 ; L₂ , L₃ -
 . S₁ ; S₂ -
 L, X- D
 V (L₁ Fc AVP) ,
 ♂ ♀

¹ ♀ — гетероморфа (женская особь), ♂ — текноморфа (мужская особь).

9 V — AV V,
 AVP D P A. Fc
 L₁ L₂.
 I h
 68-13 Sn ♂ 1,18 0,622
 68-14 Sn ♂ 1,14 0,56

Gortanella — G. regina Ruggieri
 [Ruggieri, 1966; Bless, Jordan, 1971] Gortanella sp. (-
 Imo) [Sohn, 1977, . 151, . 2, . 11, 23–26]
 () -
 ()
 . 44 .—

KNOXITIDAE EGOROV, 1950

Kirkbyina Ulrich et Bassler, 1908

Kirkbyina tenella N. Kotchetova, sp. nov.

. XVI, 1, 10

tenellus () —
 66-27, ; , . 04/1;

DDx DSn. ; V
 D,
 AV V. P
 PD. S₂ ½ hCn. A, V
 P PD-
 AVP Sn, Dx. lCn — , h — P,
 tCn — V. Fc
 : lCn = 0,975; hCn = 0,585; tCn = 0,645.

Kirkbyina urtasymica Kotschetkova

[..., 1975, . 136–137, . 54, . 7]

AVP Fc.
 () ()
 () ()
 . 2 Cn 7 .— ;
 1 Cn 4 .—

PERPRIMITIDAE EGOROV, 1950

Perprimitia Croneis et Gale, 1938

Perprimitia digna N. Kotchetova, sp. nov.

. XX, 13–15

dignus () —

68-46, ; - , -637,
 . 843;
 . D

C DDx *DSn.*
V *PVP. A* *P. Dx*
Sn AVP. *A, — S₂, D PV*
hCn — A, tCn — P. Fc *lCn —*
lCn = 1,05; hCn = 0,63; tCn = 0,525; IC = 0,675.
Perprimitia turrata Croneis et Gutke [1939, . 39–40,
 . I, . 24, 25] (Renault)
Cn tCn P. *S₂,*
Perprimitia brevirostri Schneider [
 1983, . 20–21, . V, . 6],
S₂, tCn P, ó
 ()
 ()
 ()
 . 5 *Cn* 35 . — -637, -103; 2 . —

JANISCHEWSKYIDAE GRAMM. 1984

Janischewskya Batalina, 1926

Janischewskya syblevigata N. Kotchetova, sp. nov.

. XVII, 10–12

J. levigata Posner.

68-20 *Dx* ♀, 68-21 *Dx* ♂, ;

. 1-97; .

. *Cn* - , .

P, . *V.* , *A*

V- . *L.* ♂ *A P* *S₂,* ; ♀ *L*

S₂ . *AP-* . *P,* *L* *S,*

, .

, . *AVP,*

(40) , .

, *hCn — A, tCn —* , *V. Fc* . *lCn —*

() , :

	<i>IC</i>	<i>h</i>	<i>hDx : lDx</i>
68-20 <i>Dx</i> ♀	0,855	0,480	0,56
68-21 <i>Dx</i> ♂	0,810	0,450	0,555

Janischewskya levigata Posner

[, 1951, . 51, . I, . 1]

[Gramm, 1984, . , 4], ♂ *J. sublevigata,*

- *S₂,* *L.* ♀ *Janischewskya*

pleschakovi Posn. ()
 [, 1951, . 51–52, . VII, . 4) *A.* -

AVP. (. 21) . 1 Cn— . S₂, -
 (.) - -

GLYPTOPLEURIDAE GIRTY, 1910

Idiomorphina Croneis et Gale, 1939

Idiomorphina subsimplex N. Kotchetova, sp. nov.

. XIX, 1-3

Id. simplex (Cr. et Br.).

68-52 ♀, 68-53 ♂, ;
 . 1-97;
 . Cn . D . D,
 . DDx DSn . V . P. Dx
 . P. Sn P, V. AVP Dx Sn AD, P. Dx
 . P. S₂ , X-
 L₁ S₂ L₂ P. ♀ L₂.
 P. ♂ L₂
 P. L₁, D, S-
 , V PV. ICn— , hCn— A, tCn— P. Fc .

	ICn	hCn	tCn	l
68-52 ♀	0,795	0,450	0,435	0,525
68-53 ♂	0,705	0,405	0,300	0,450

. 9] Idiomorphina simplex (Croneis et Bristol) [1939, . 93, . IV,
 (Menard) ,
 ♂ Id. subsimplex, Cn,
 AVP SP
 Dx, Fc.
 () () . ()
 () () .
 . 12 Cn 54 .— , -637; 1 .—

INSERTI ORDINIS

PARAPARCHITIDAE SCOTT, 1959

Shishaella Sohn, 1971

Shishaella circinata N. Kotchetova, sp. nov.

. XXII, 10

circinatus (.) — .

66-40, ; , . 11;

DDx *DSn*
A, P V
Sn Dx AVP.
PD Dx
hCn — A. tCn —
Fc
lCn = 1,035; hCn = 0,78; tCn = 0,6; l = 0,465.
Shishaella williamsae Sohn [1971, . 15– 16, . 8,
 . 1–5, 11–25, 31–44] (Meramec)
DDx DSn n.
) () ().
 . 13 *Cn* 2 . — , .

Pseudoparaparchites Kellett, 1933

Pseudoparaparchites celsus N. Kotchetova

.XVI, 9

Pseudoparaparchites celsus: , 1990, . 57, . I, . 5, 6.
V, (P V), D,
) ().
 . 26 . — , .

O ID SYLVESTER-BRADLEY, 1961

HEALDIIDAE HARLTON, 1933

Healdia Roundy, 1926

Healdia uralica N. Kotchetova, sp. nov

. XXIII, 10

66-60, ; , . 76/3;
DSn. PD, AD DDx PD, P.
V, P.
P
D V
Sn lCn () — Dx P, V ; AD A, tCn —
Fc
 , : *lCn = 0,66; hCn = 0,42; tCn = 0,315.*
Healdia ehlersi Bradfield [1935–1936. . 109–110, . 9,
 . 11] (Deese?)
 , *D* , *AD.*
 , *P,*

) . 2 n 2 (. — , ().
 Healdia ikensis N. Kotchetova, sp. nov.
 . XXIII, 3, 7
 66-66 Dx (. 74/3), 66-68 Sn (. 76/3), ;
 ;
 D V. D
 V P — PV. AD
 P. lCn — , hCn —
 A, tCn — V. P
 . Fc : lDx = 0,66; hDx = 0,66; tDx = 0,195.
 Healdia sp. 2 [Gründel, 1972,
 . 22, . 2] — (P) V D, P
 AD, Fc
 ()
 . 3 . —

Bolbozoella Robinson, 1959

Bolbozoella inflata Grundel

. XXII, 6

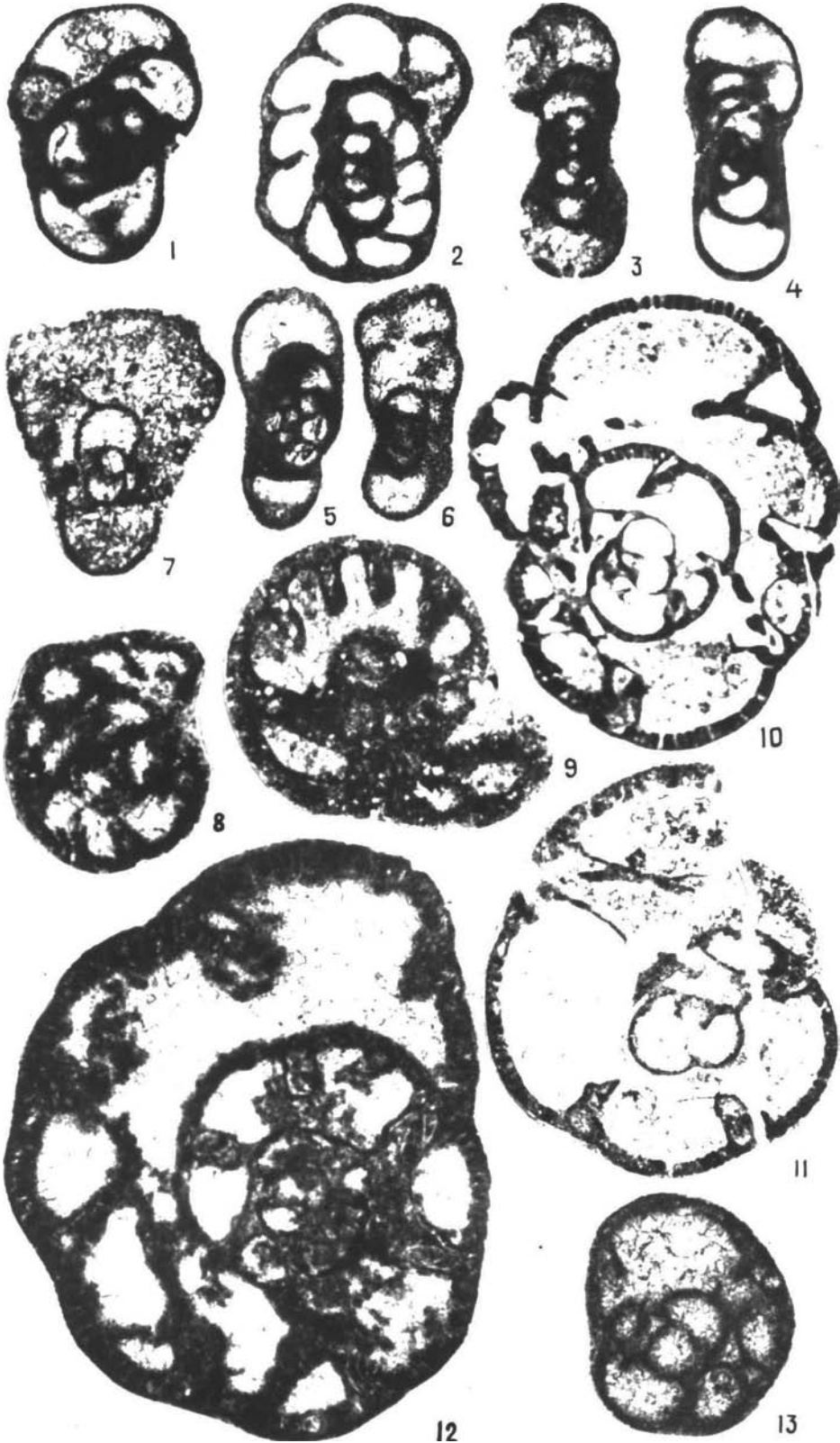
Bolbozoella inflata: Grundel, 1975, . 975-976, . 1.

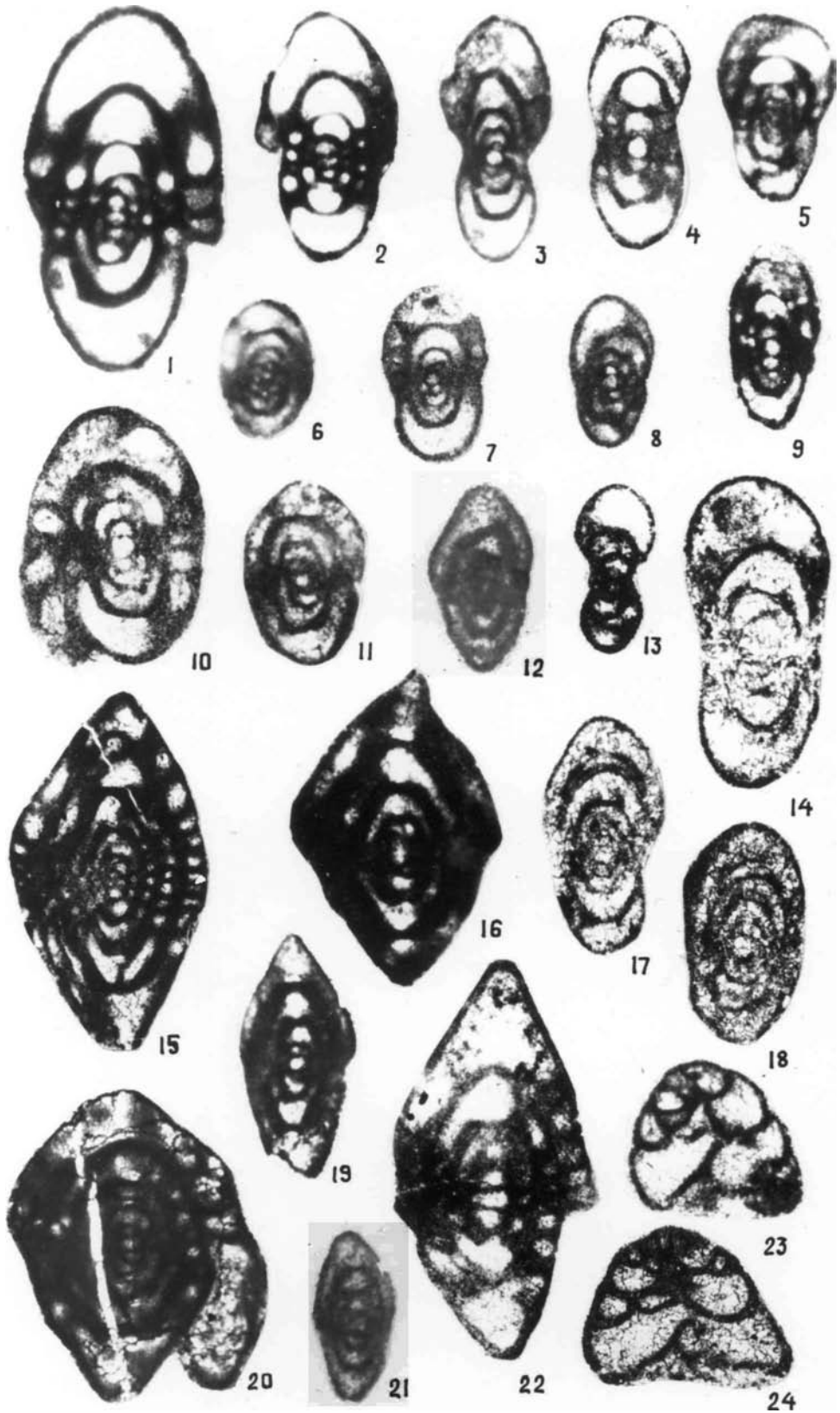
66-71, ; , . 04/1;
 , D,
 PD, V
 : lCn = 0,57; hCn = 0,345; tCn = 0,27.

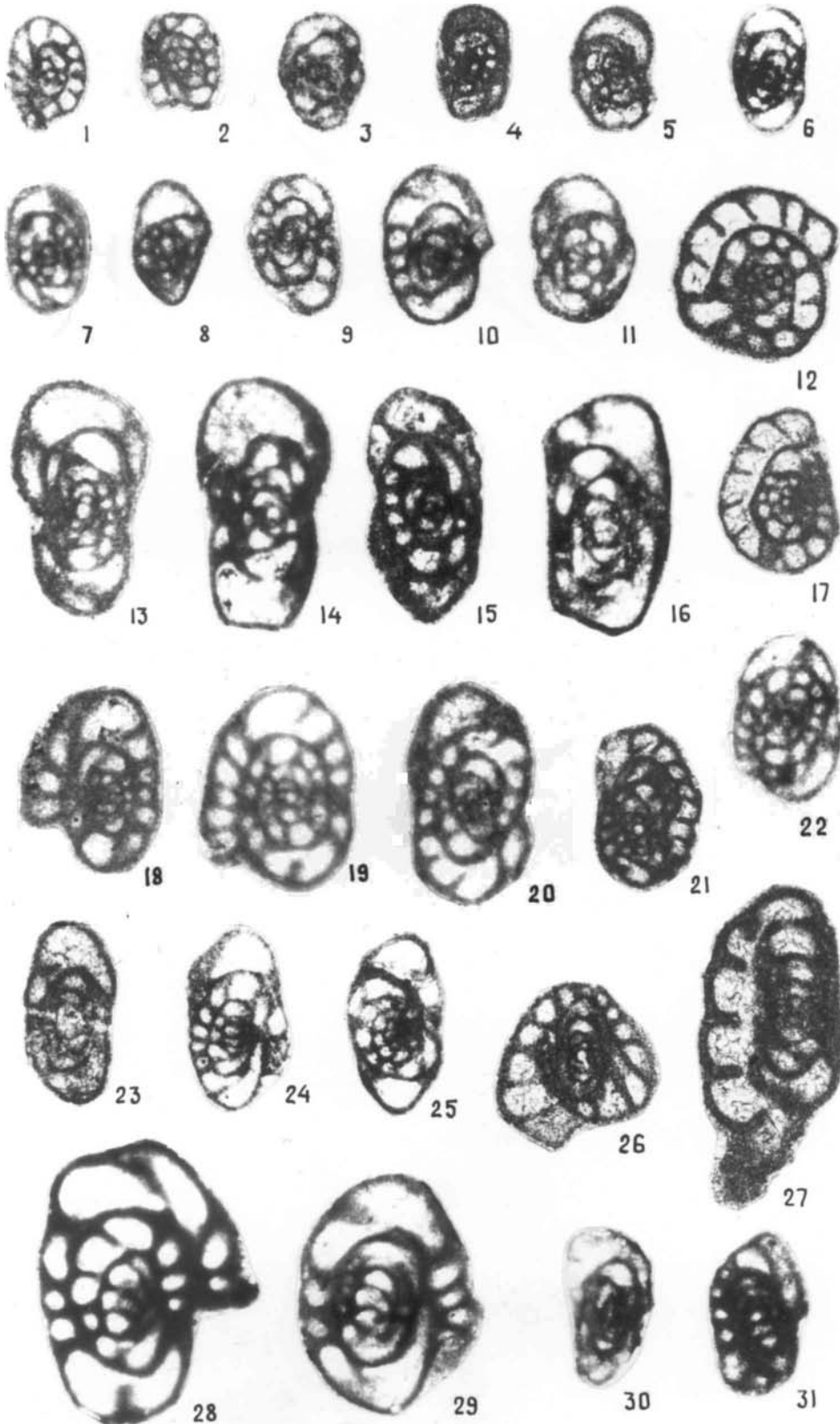
Bolbozoella linevensis (Tschigova)

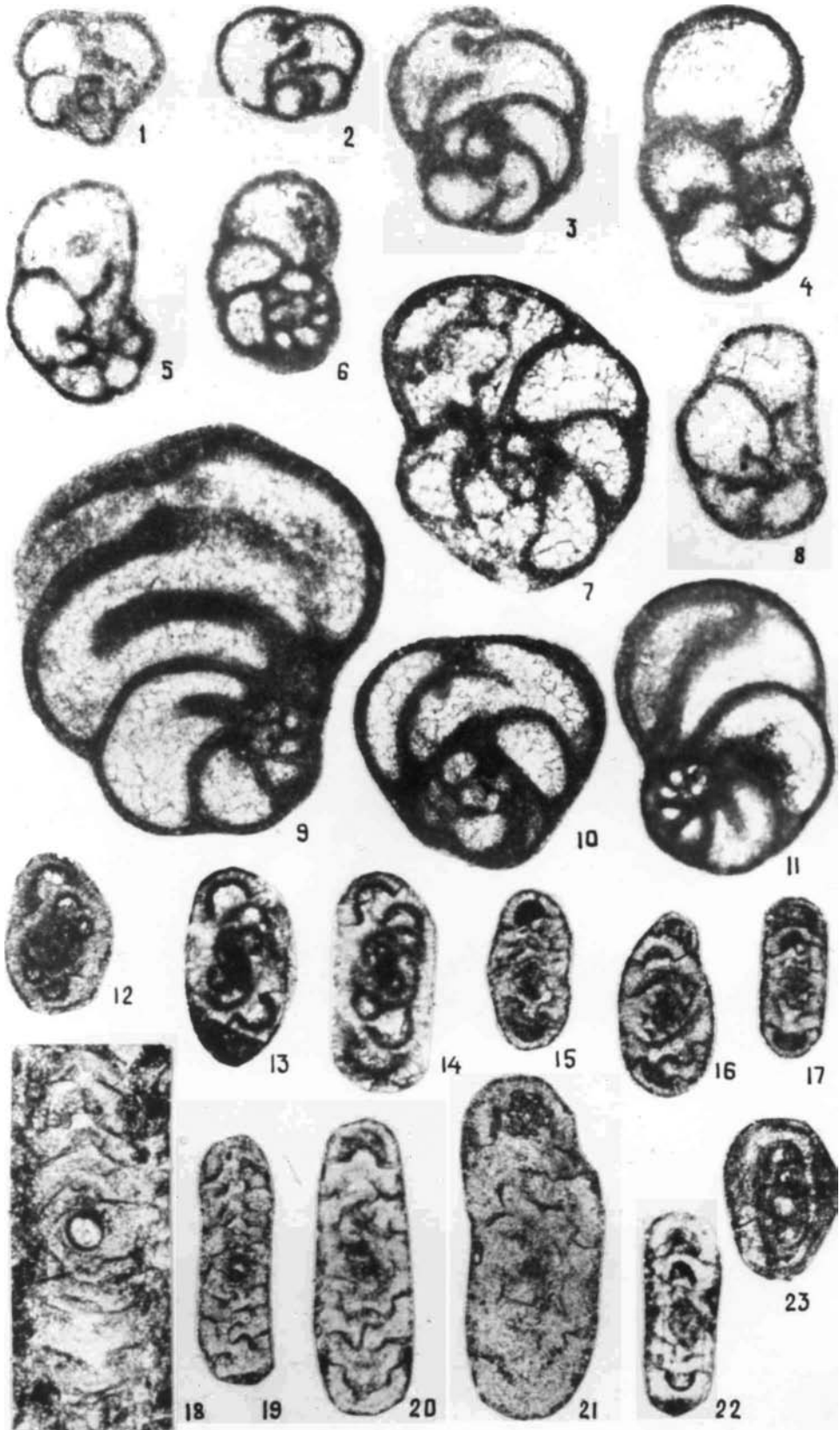
[, 1958, . 70, . III, . 5, -]
 D,

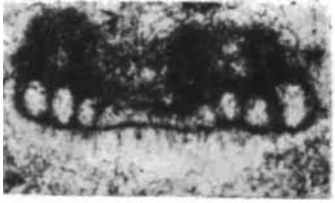
() , ()
 () ()
 . 19 Cn 10 . — , ,







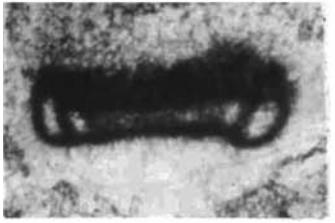




1



2



3



4



5



6



7



8



9



10



11



12



14



15



13



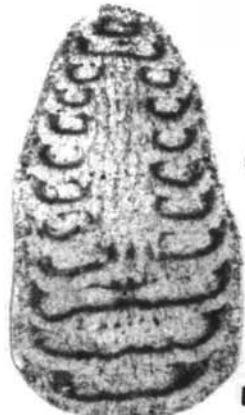
16



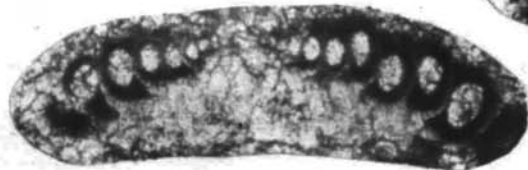
18



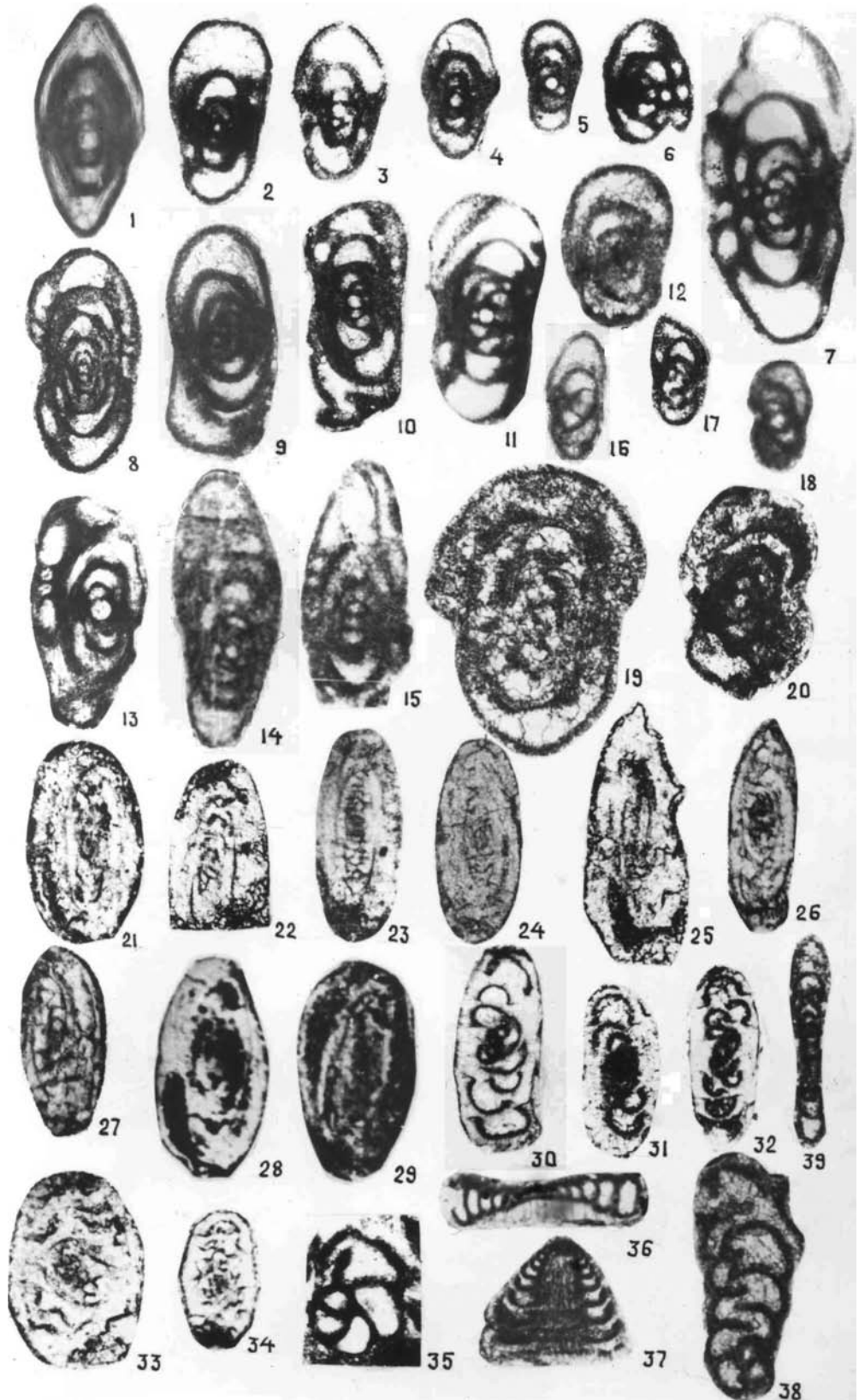
17



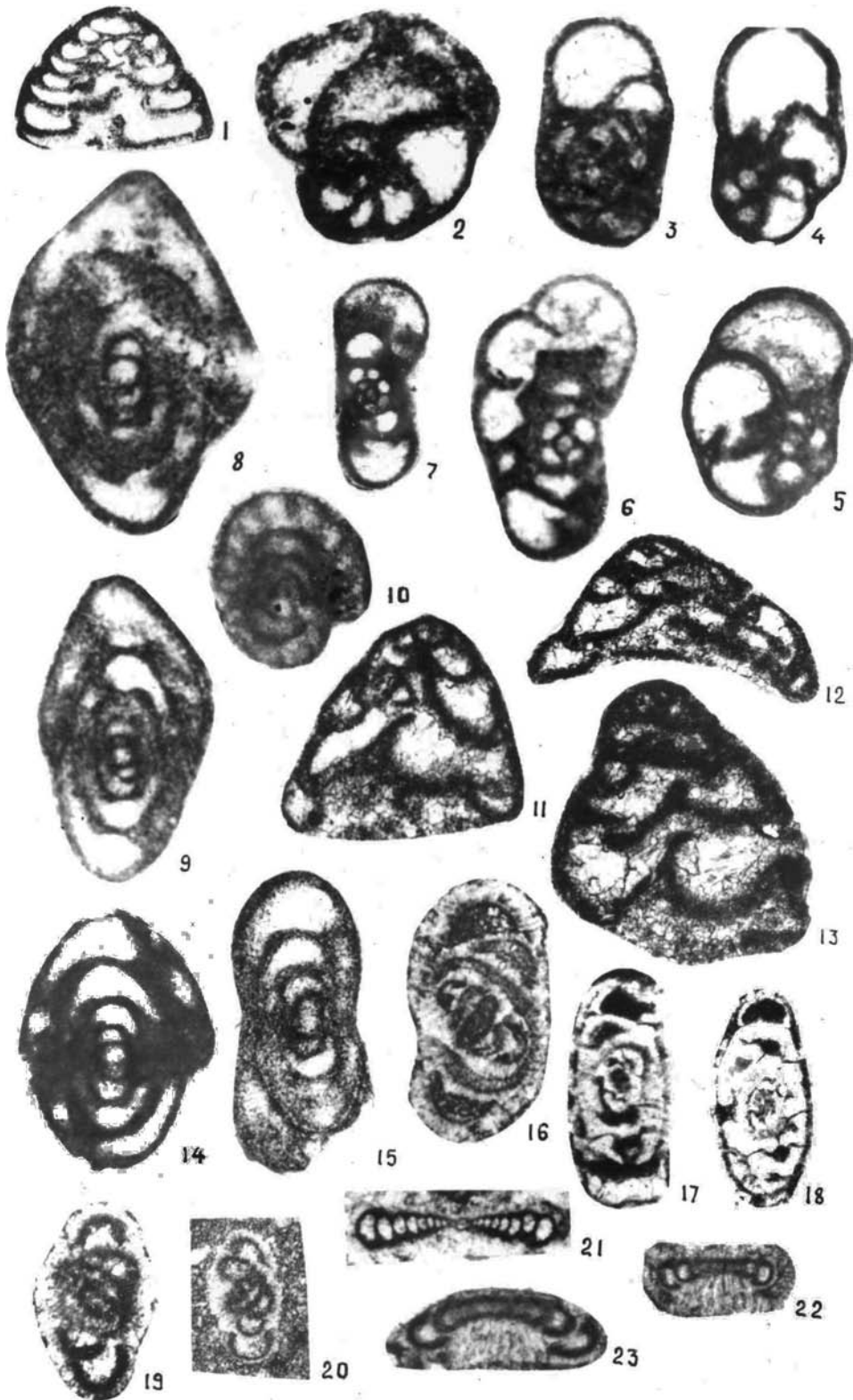
19



20









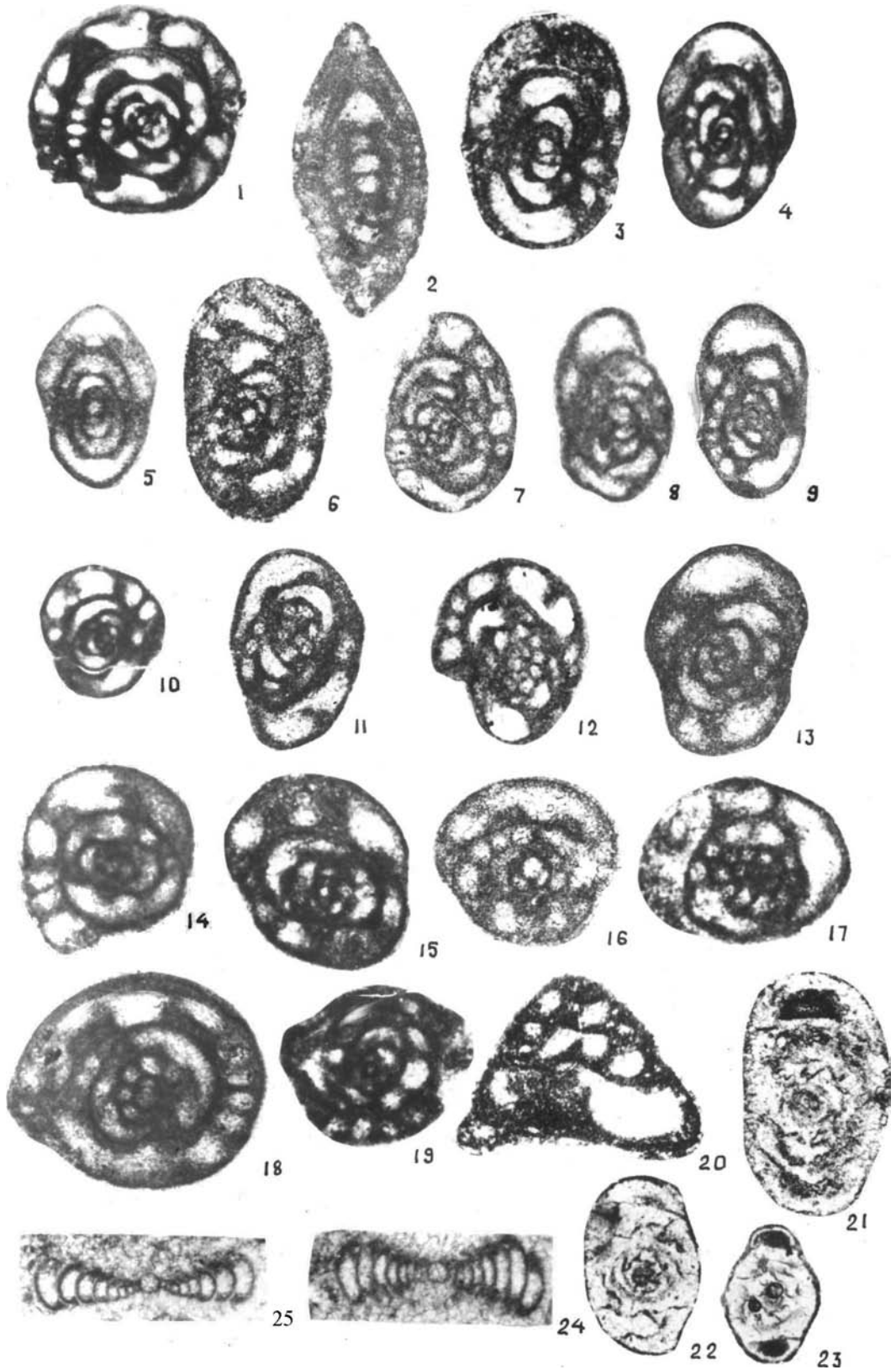


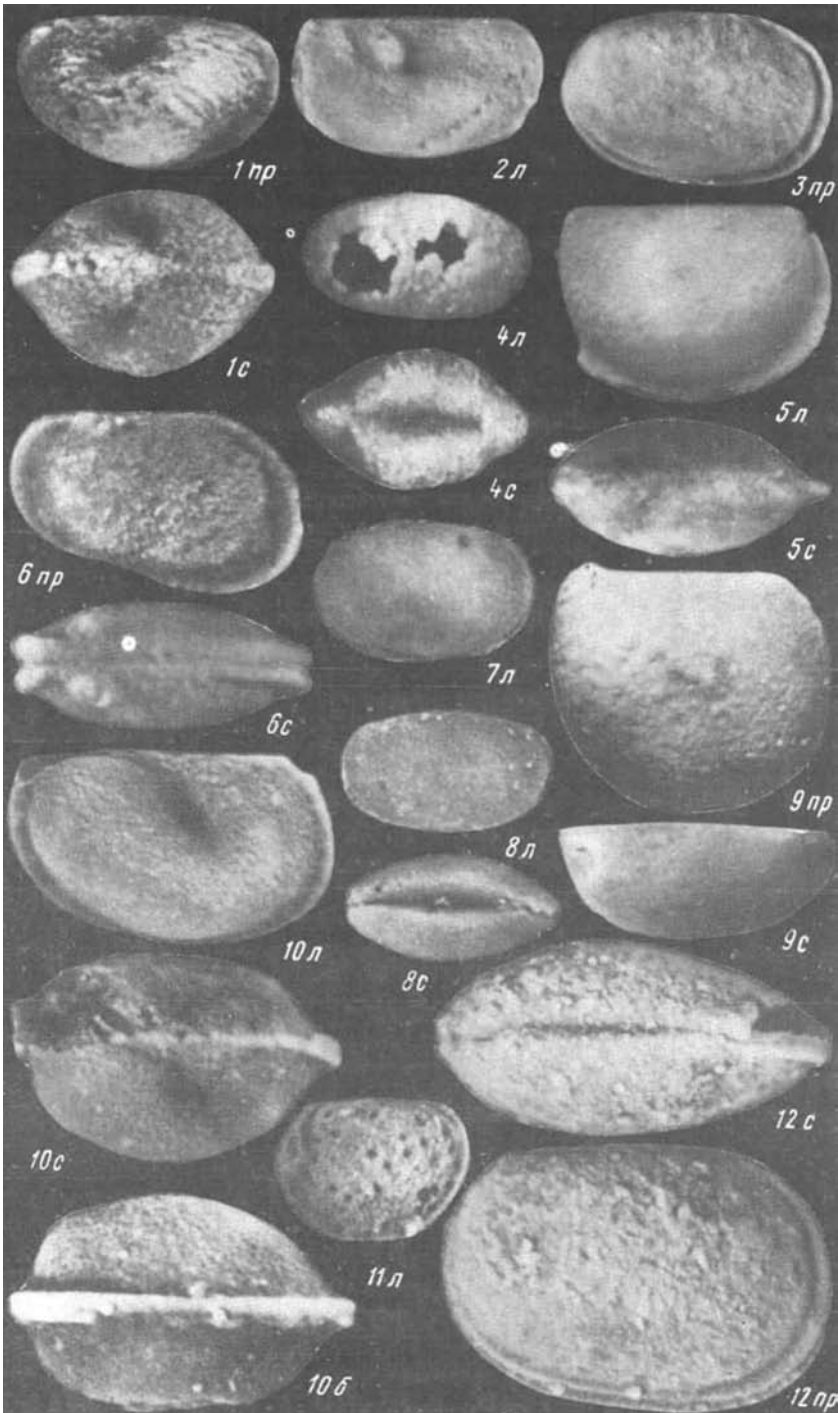


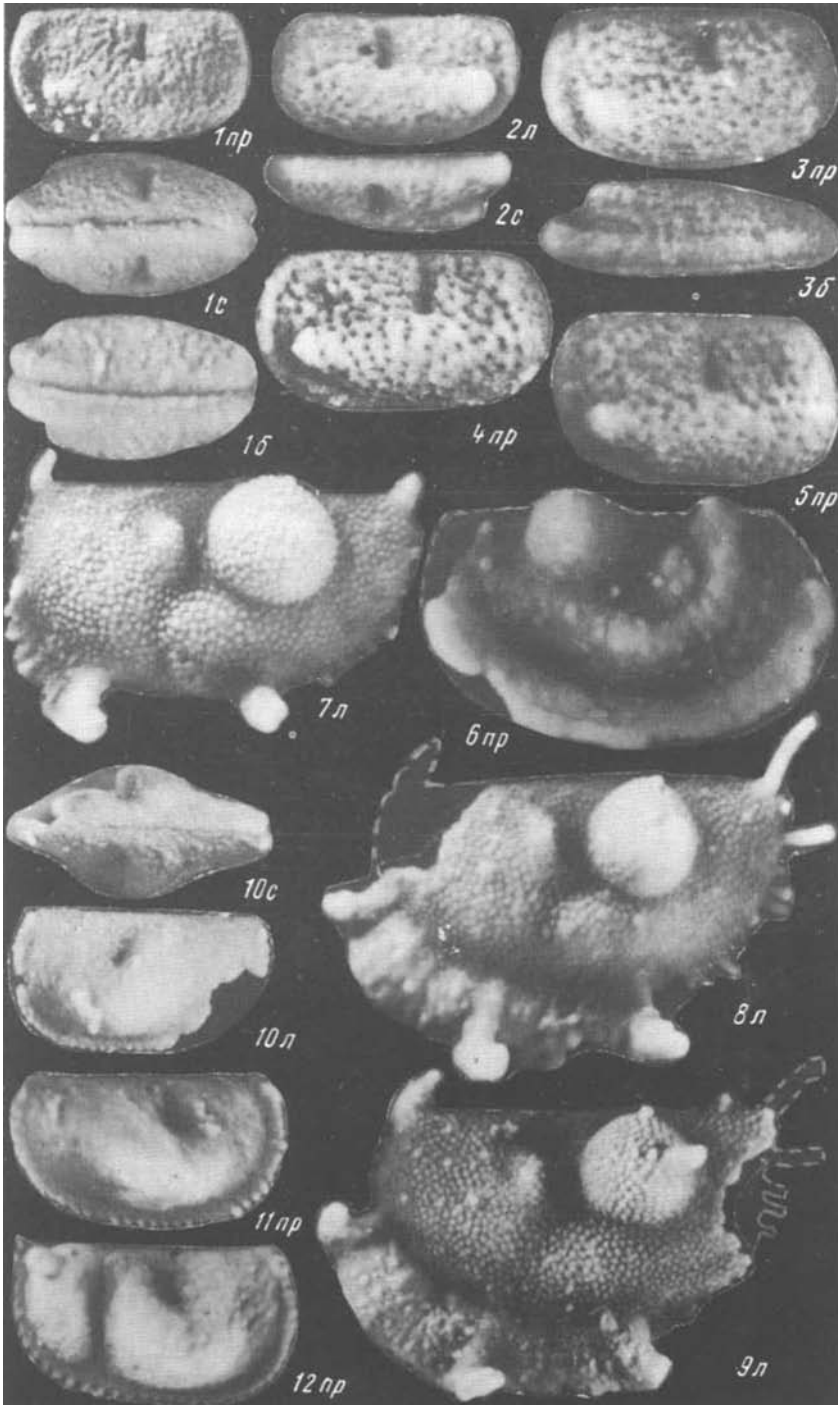


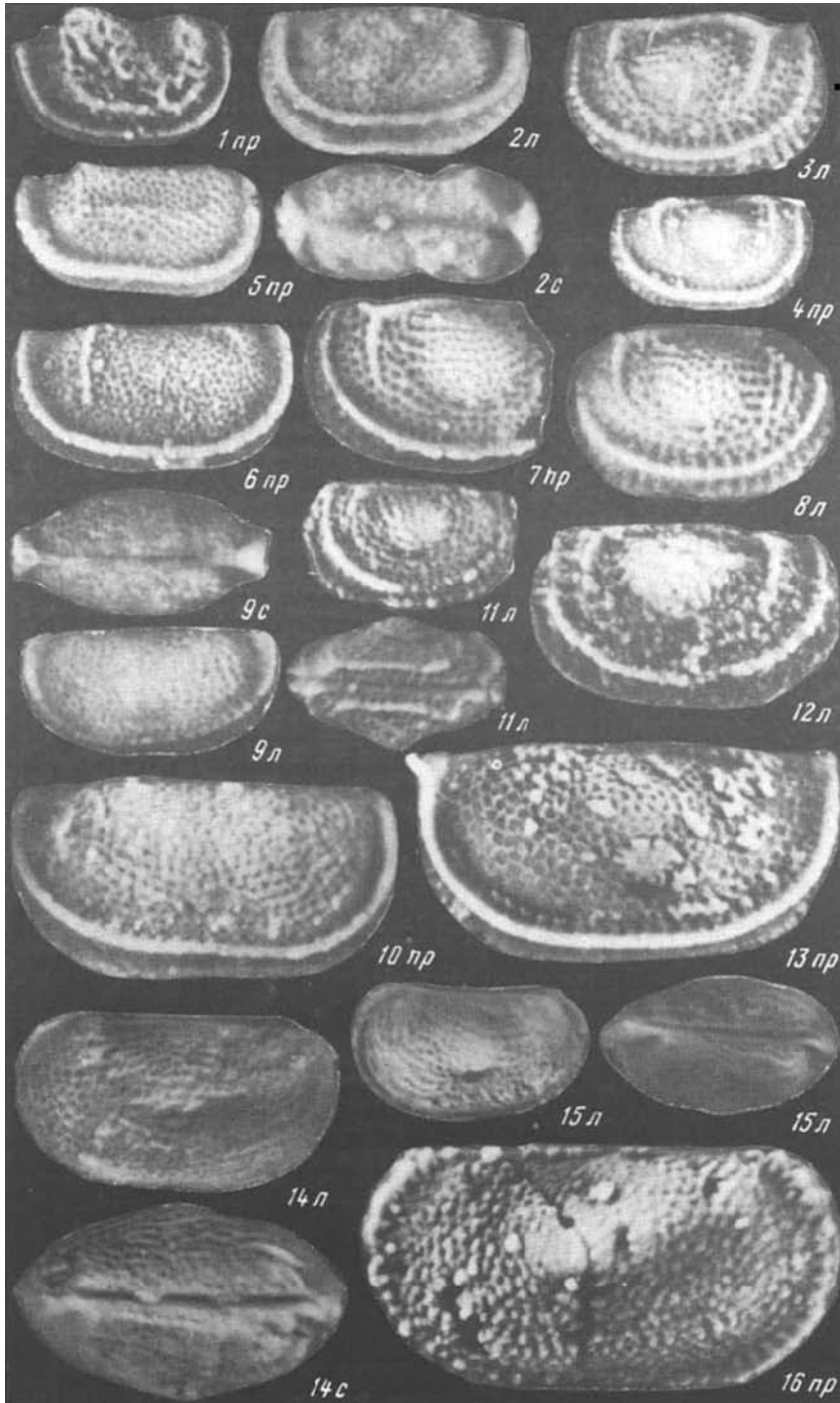




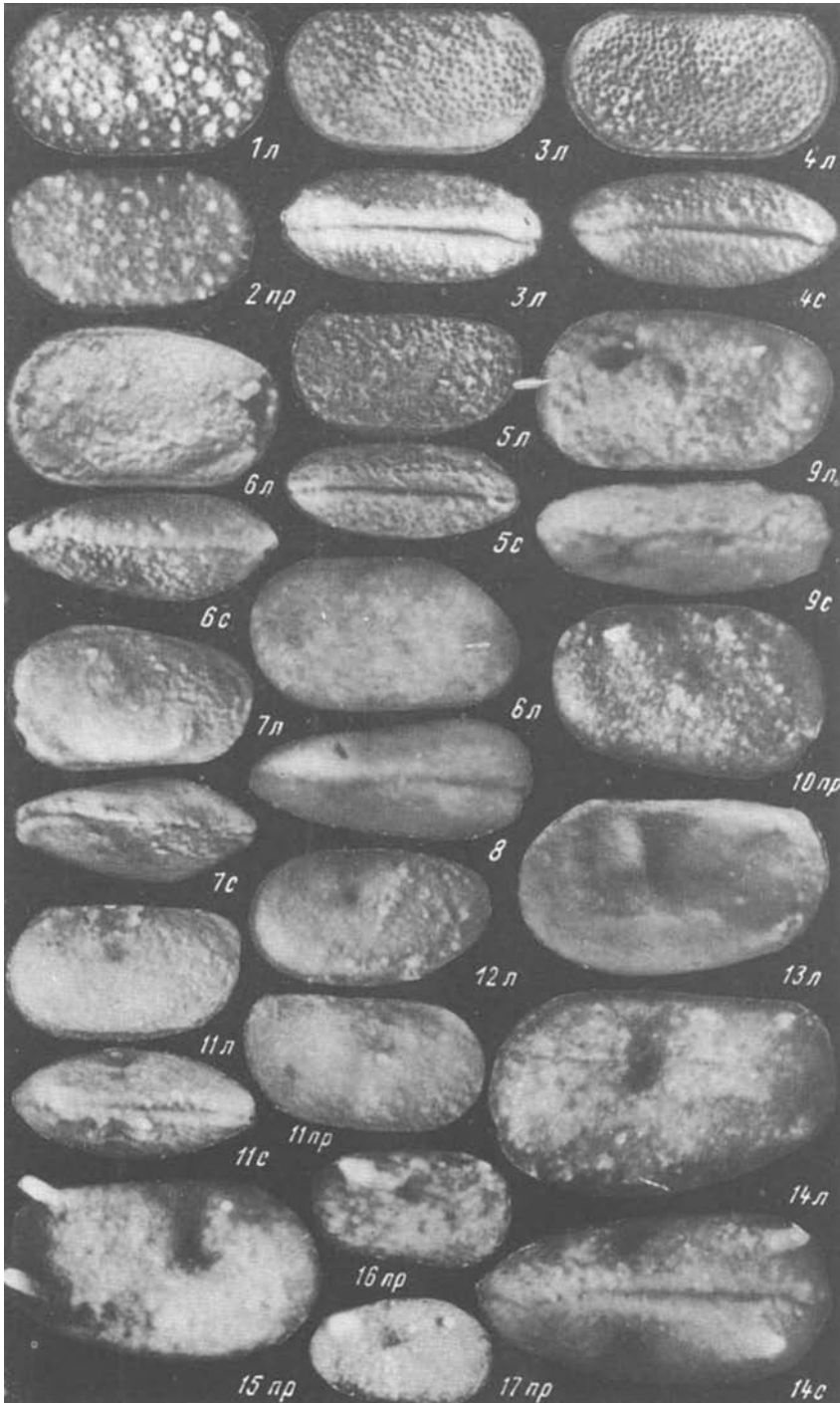


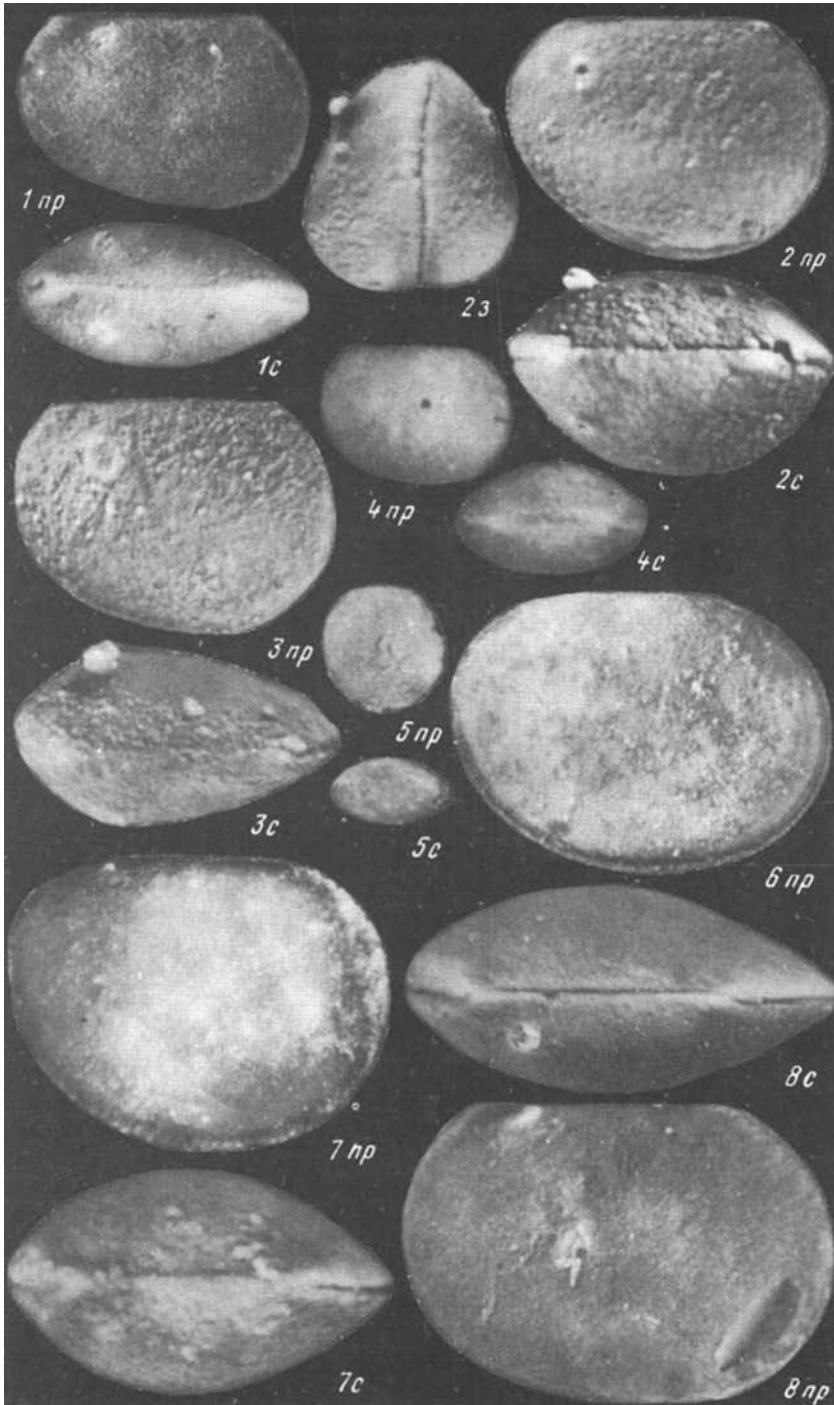


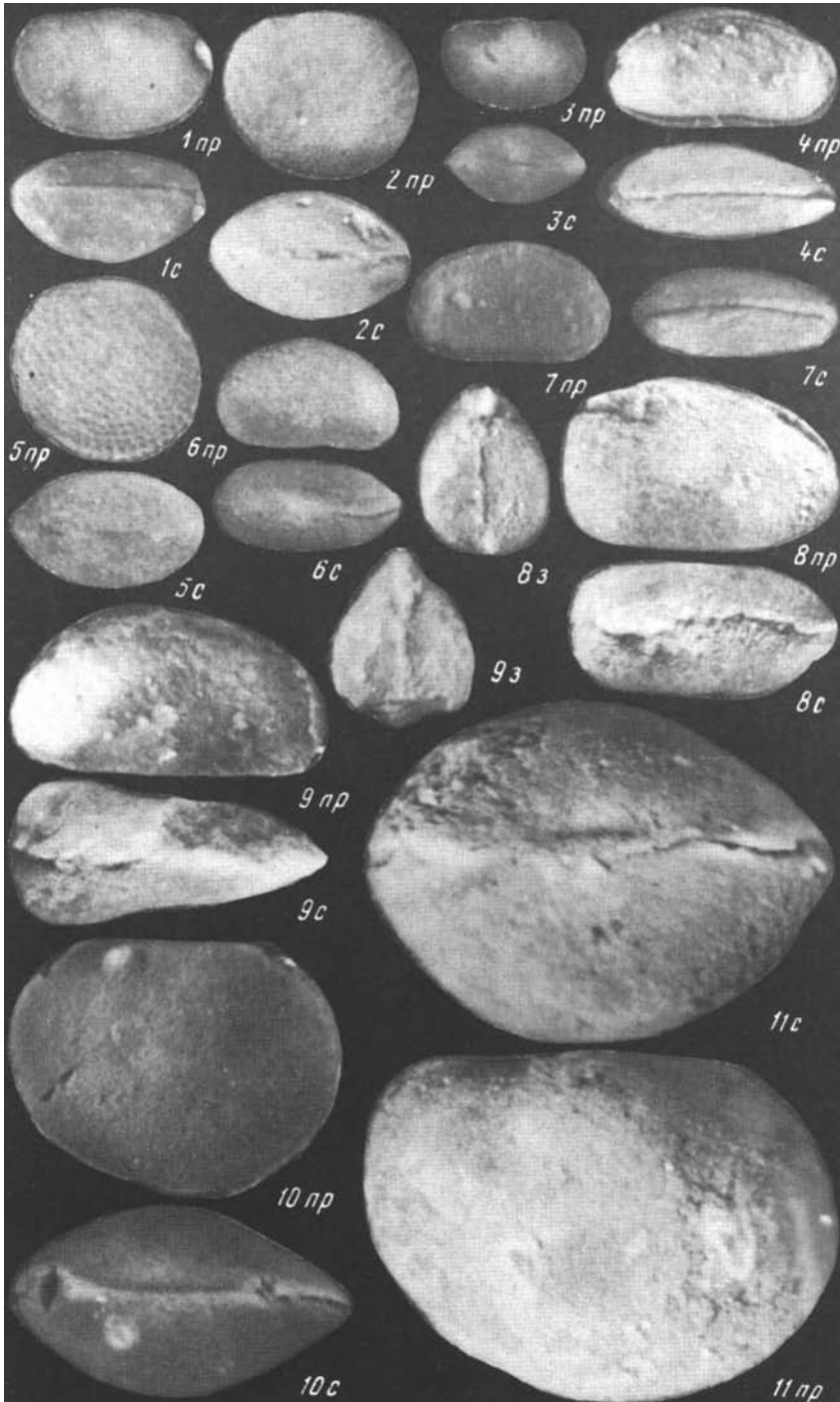


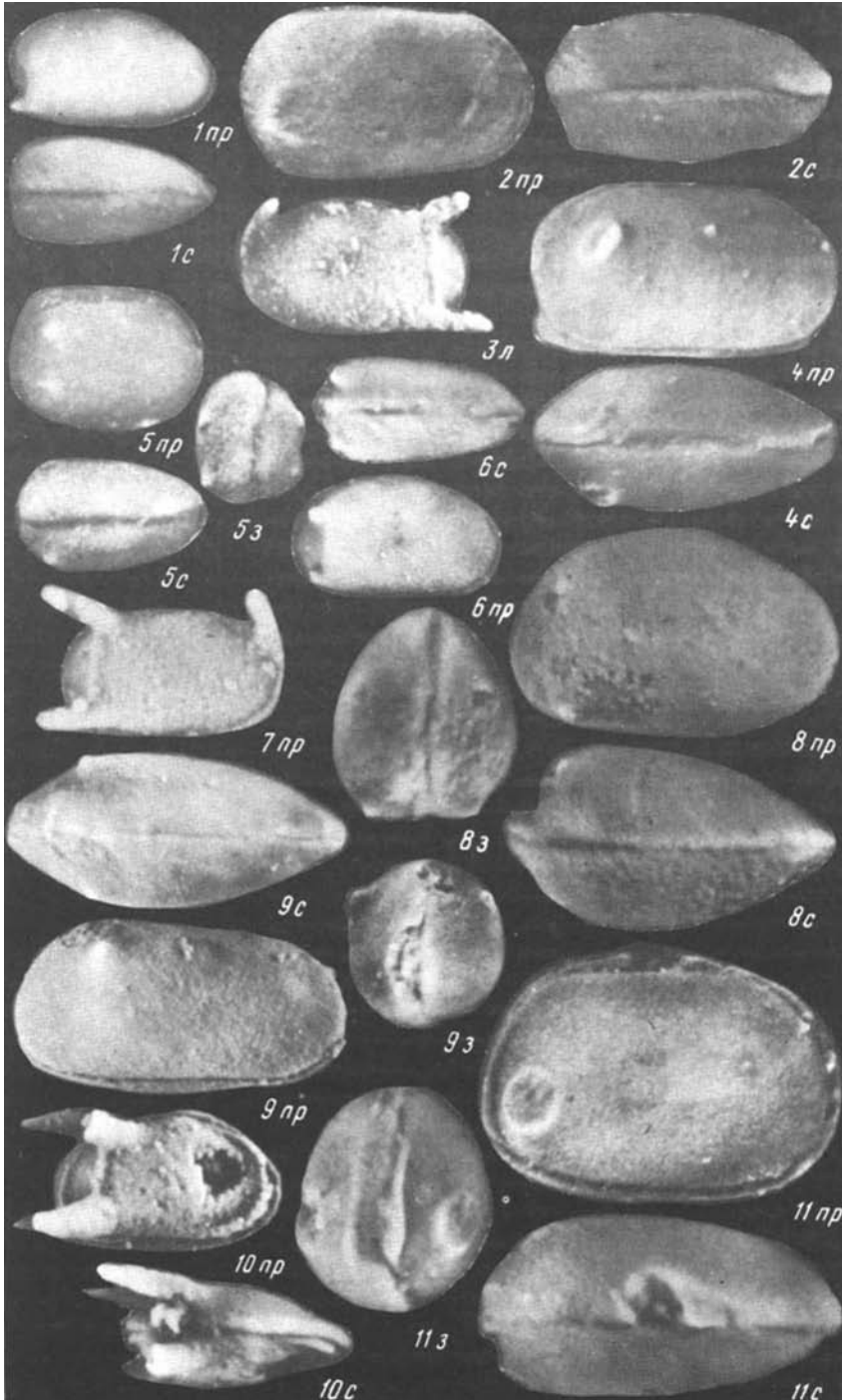


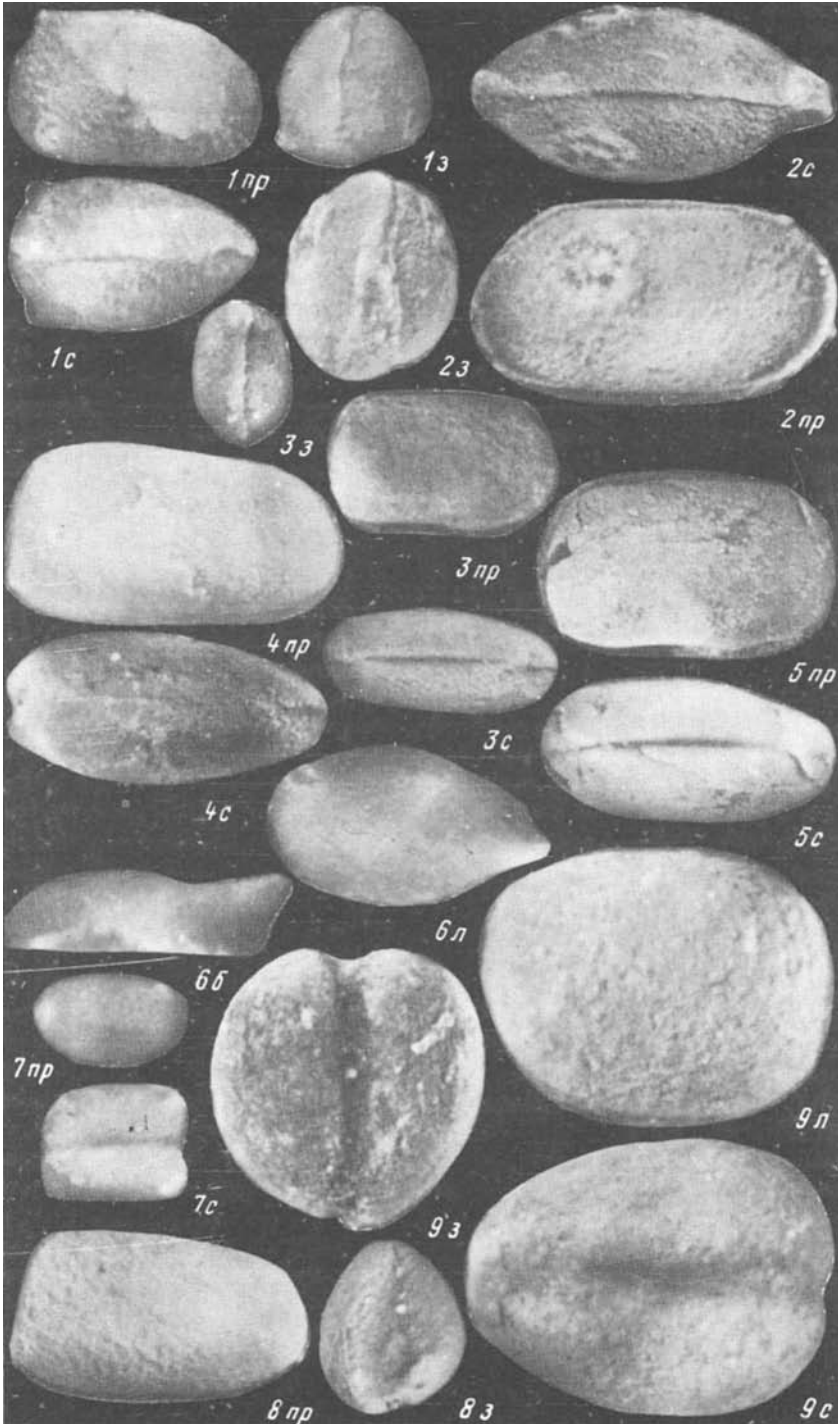


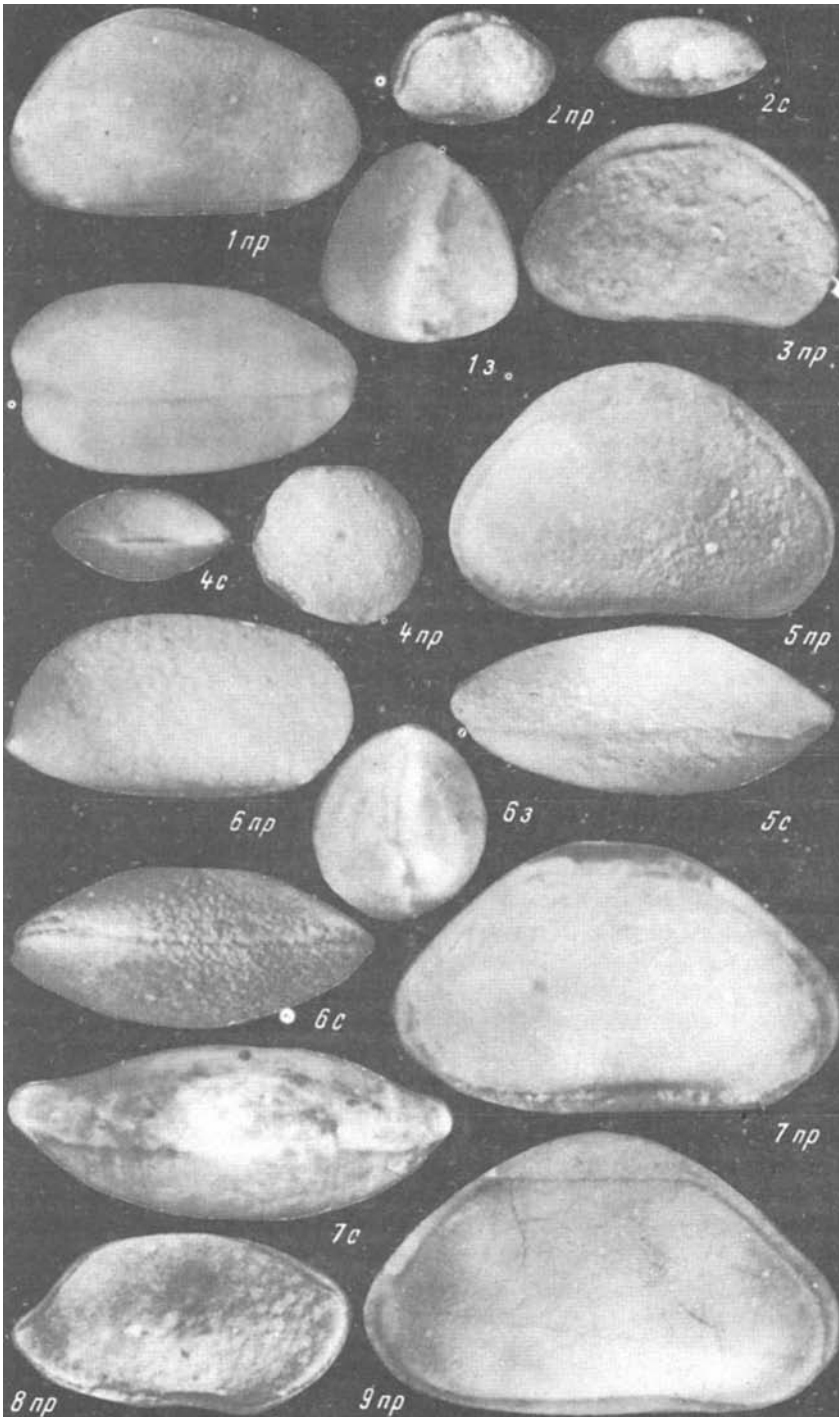


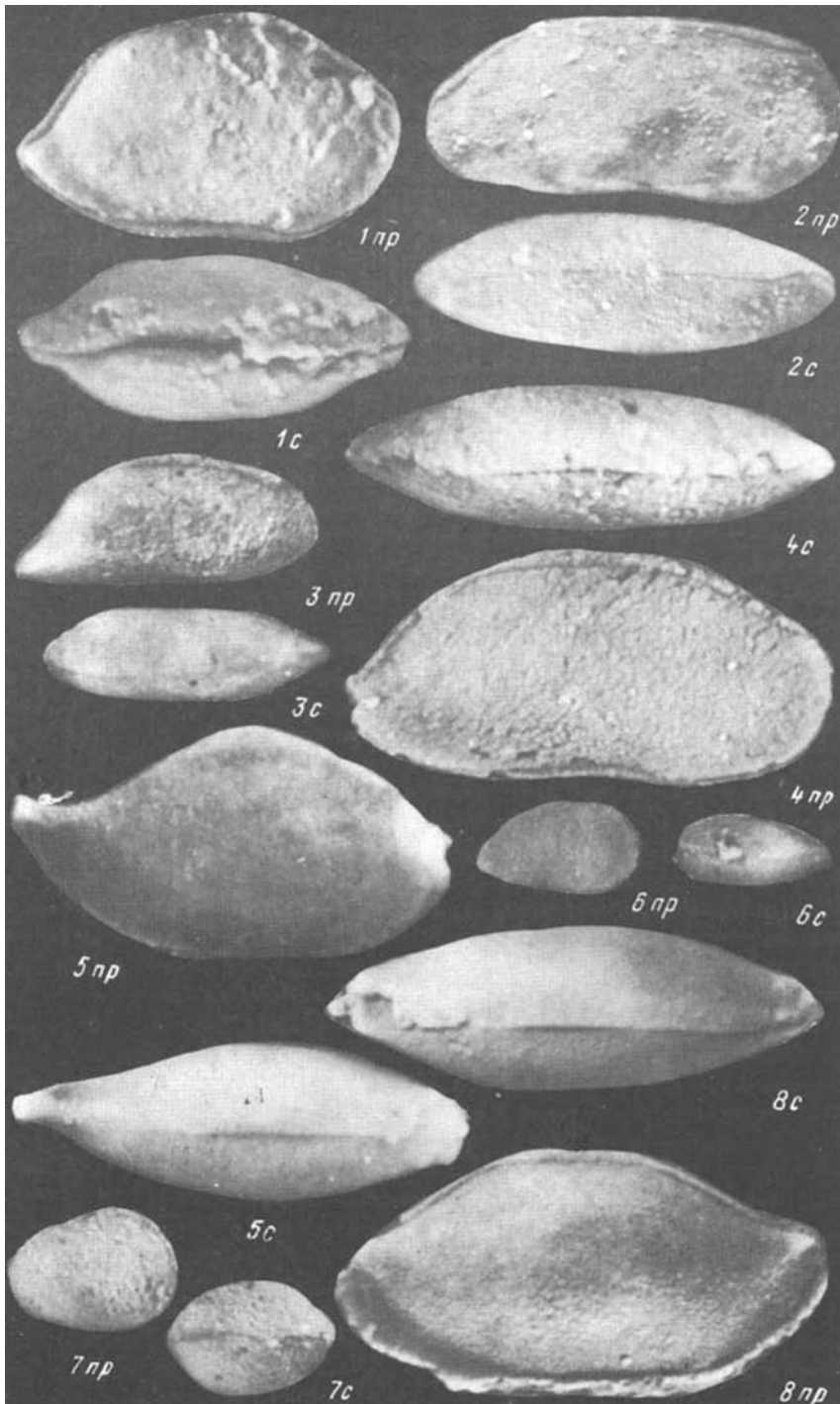


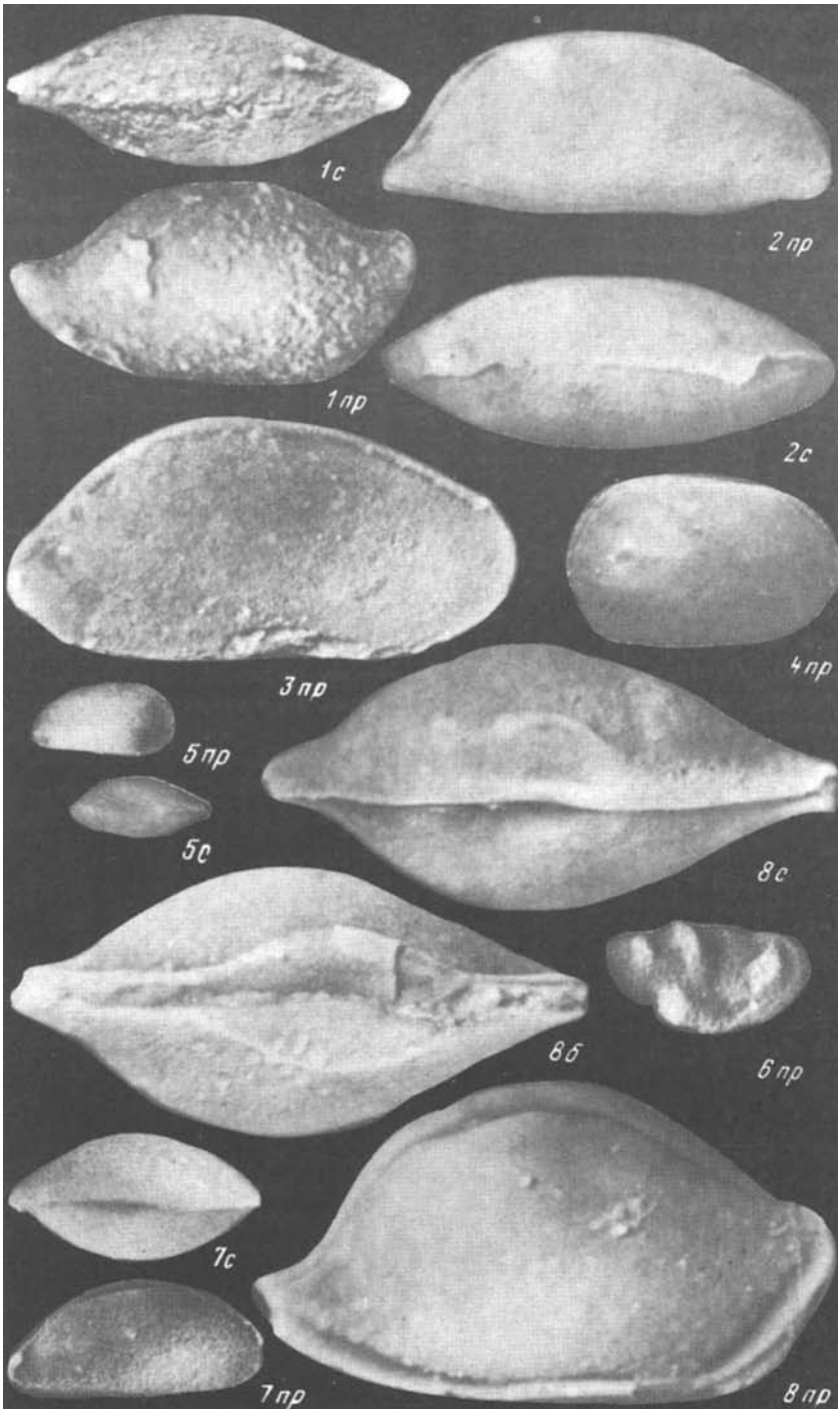


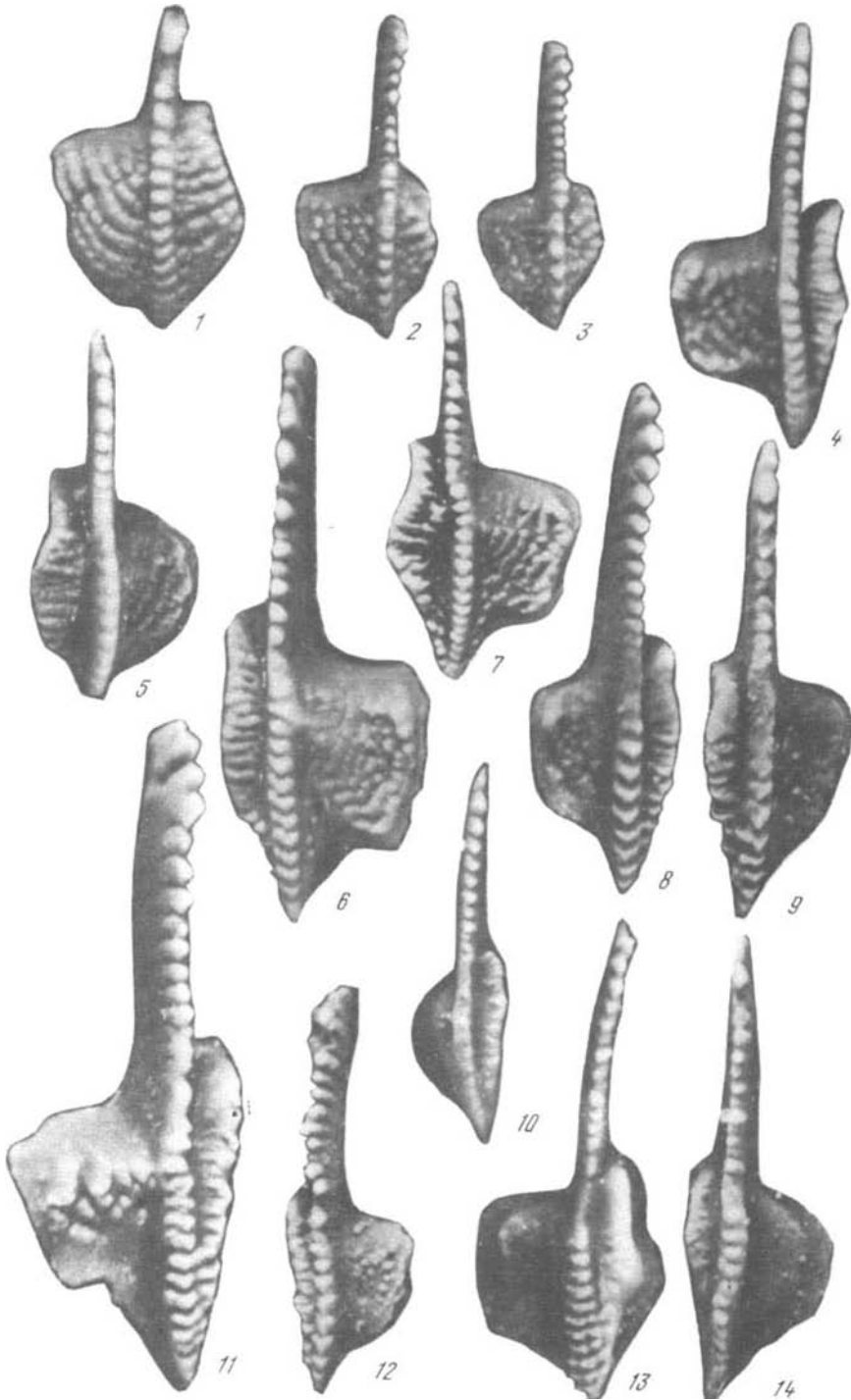


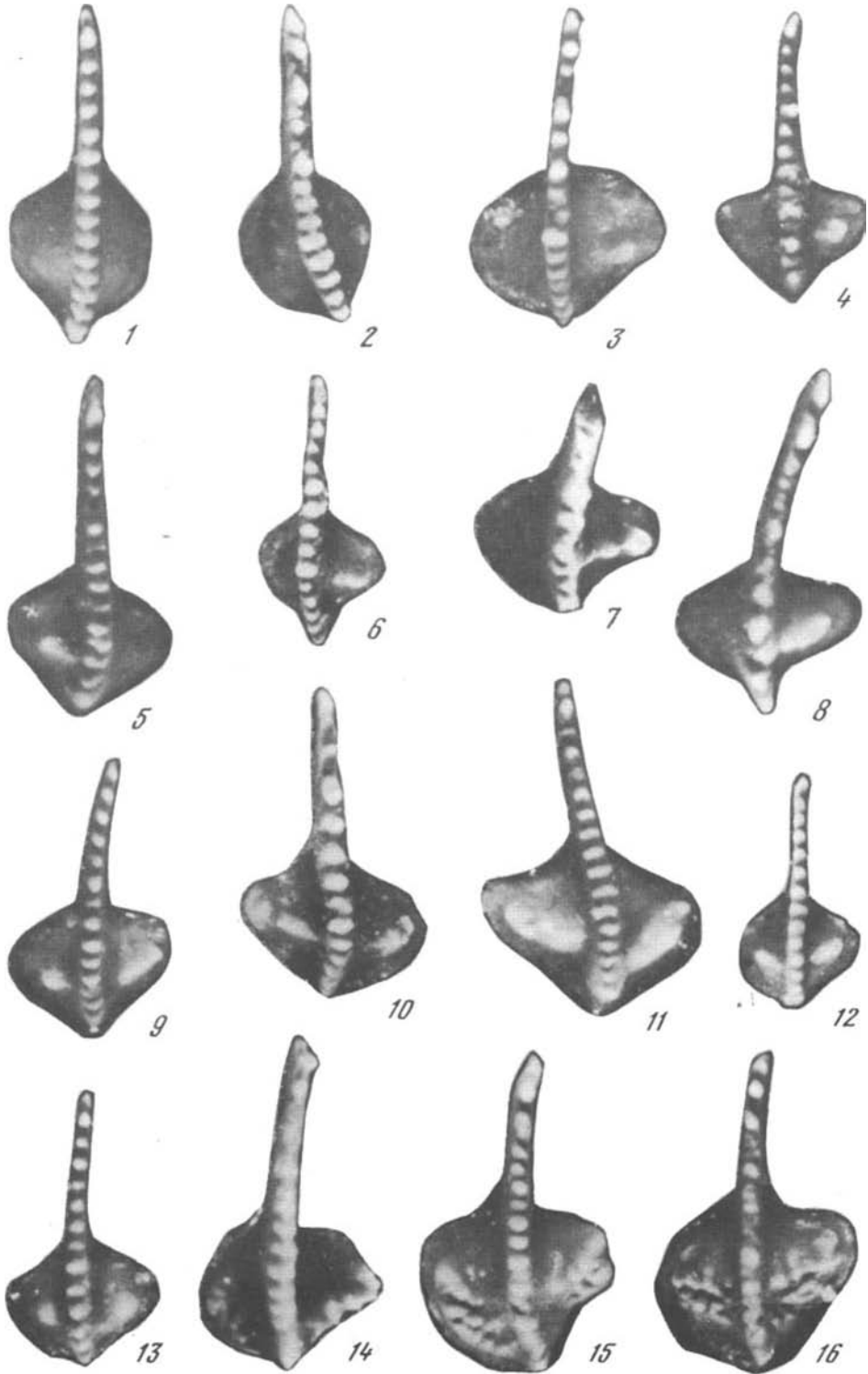


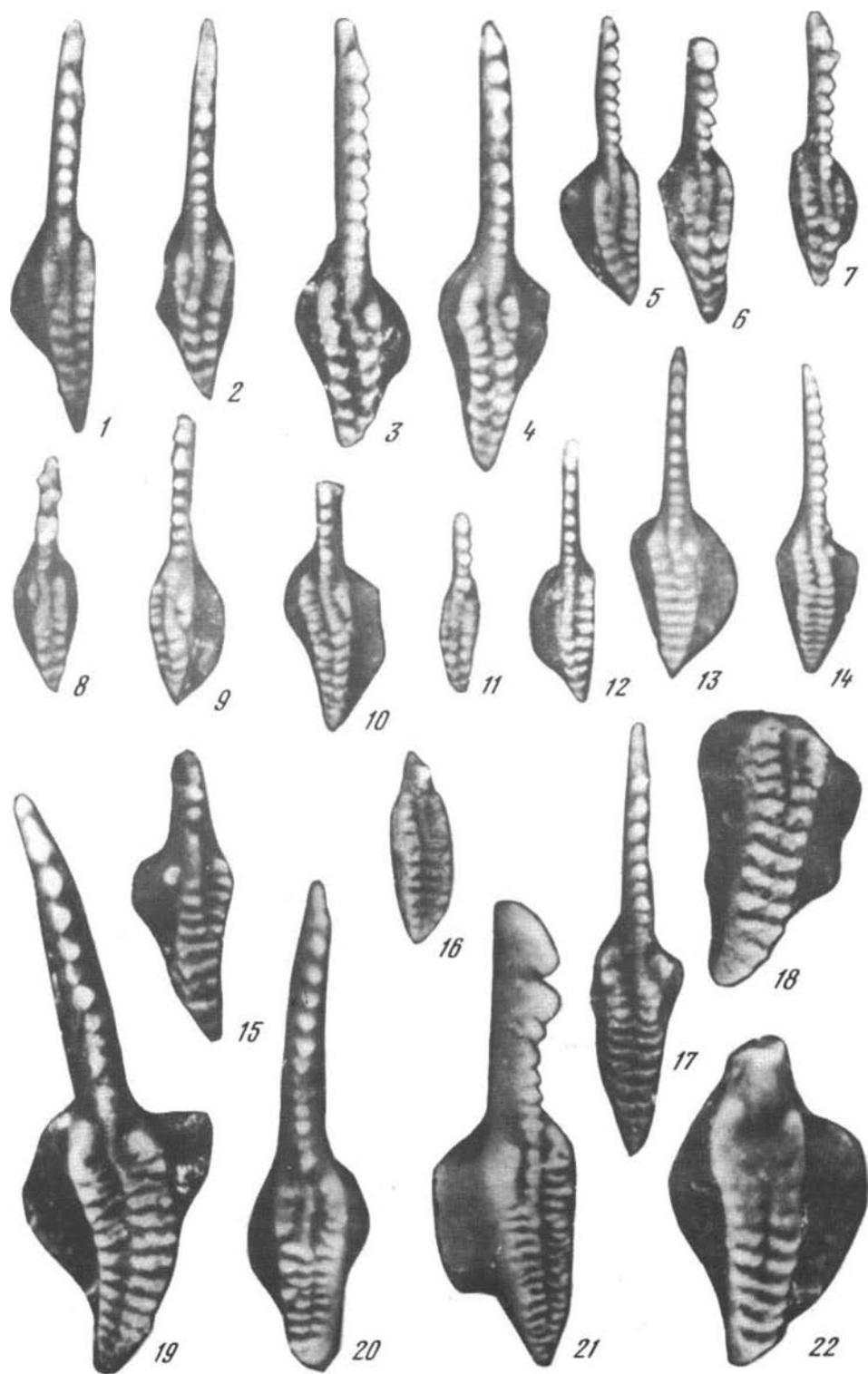


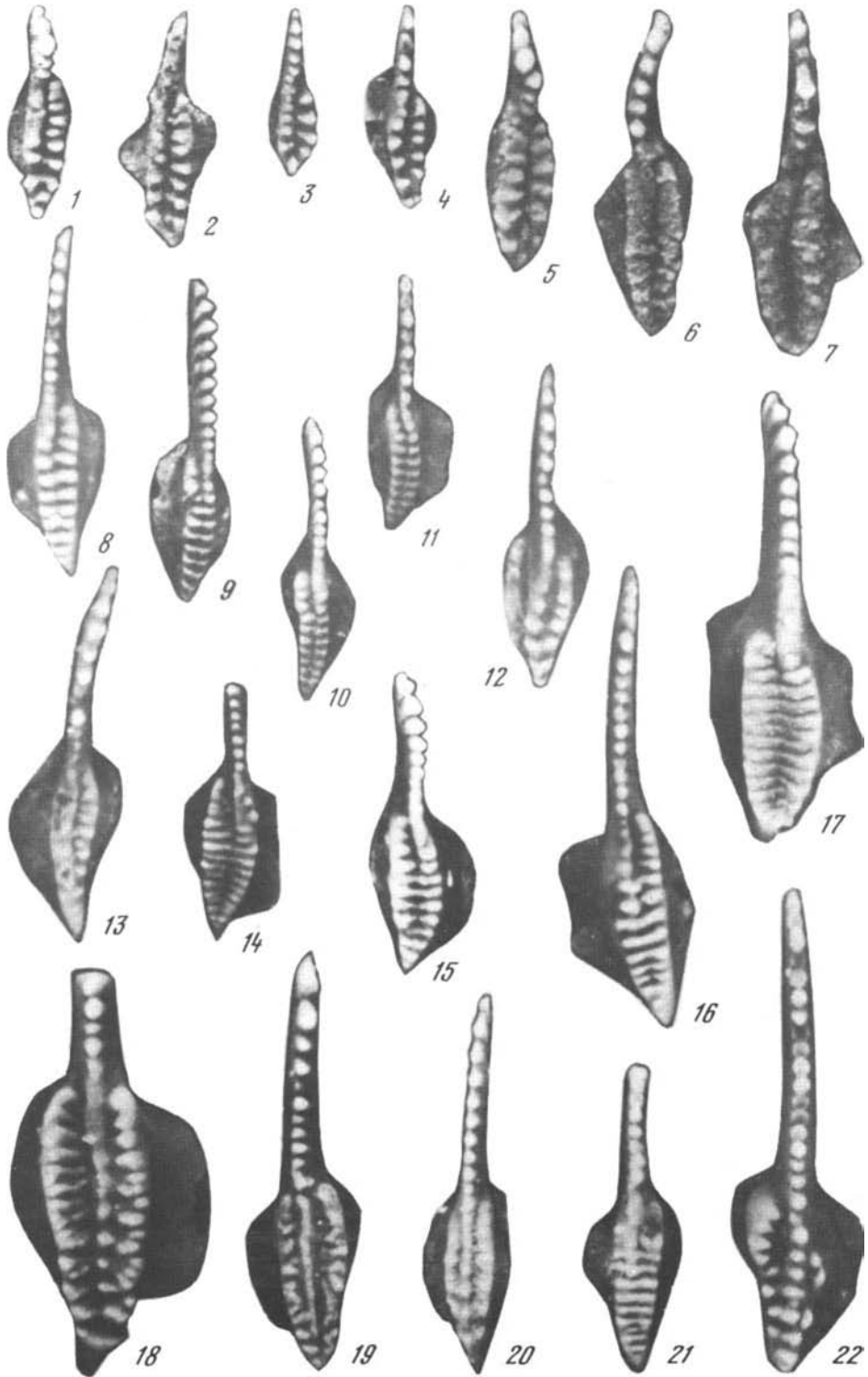


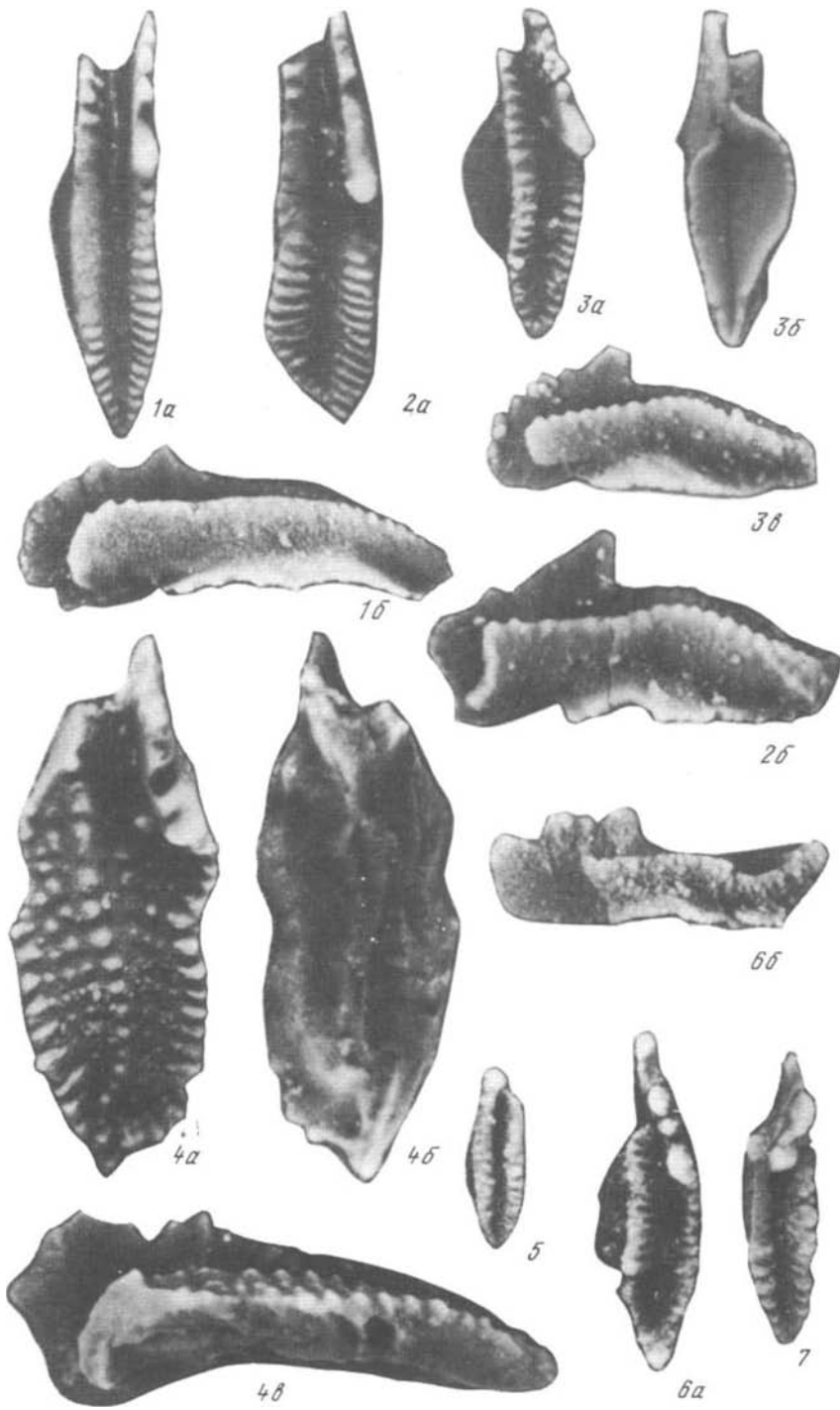












Bolbozoella nodosa Robinson

. XXII, 9

Bolbozoella nodosa: Robinson, 1959, . 445, . 2, . 6, a-c; Robinson, 1978, . 146, . 9, . 4, ,

66-72, ; , - , . 44;

Cn

D

V, Dx Sn

; $lCn = 0,93$; $hCn = 0,51$; $tCn = 0,45$.

Bolbozoella inflata Gründel [1975, . 975-976, . 1]

Cn,

V,

D,

P

V.

(

Brigantian,

P_2)

(Lower

. 2 *Cn* 8 .—

INSERTAE

Carbonita Strand, 1928

Carbonita ? *subquadrata* N. Kotchetova, sp. nov.

. XXIV, 9

subquadratus (.)—

66-78, ; , , . 2738;

. *Cn*

. *D*

D,

DSn

DDx.

V

, *D.*

AV,

P. Dx

Sn

AVP

. *lCn*—

, *hCn*—

, *tCn*—

P,

D. Fc

; $lCn = 1,05$; $hCn = 0,825$; $tCn = 0,78$; $l = 0,45$.

Cn,

AVP

tCn

D

Carbonita.

)

. 7 *Cn* 266 .—

BUFINIDAE SOHN ET STOVER, 1961

Aurigerites Roundy, 1926

Aurigerites solitarius N. Kotchetova

. XXIII, 2

Aurigerites solitarius: , 1991, . 59, . I, . 2, 3

DDx

Cn

D

V;

A;

DSn; *P,*

PV

(

. 8 *Cn* 4 .—

RECTONARIIDAE GRÜNDEL, 1962

RECTONARINAE GRÜNDEL, 1962

Rectonaria Grundel, 1961

Rectonaria accepta N. Kotchetova, sp. nov.

. XXIV, 2

acceptus () — 2740;
 66-86. ; ,
 . Cn , D V.
 . D. DSn DDx
 ;
 ;
 Sn , PD ½ hCn. P
 Dx P,
 PDx PSn. AD Sn
 , hCn — , tCn — . ICn — P Cn -
 . Fc .
 P.
 : ICn = 1,095; hCn = 0,615; tCn = 0,525; IC = 0,495.

Ostracode 2 Gründel [Olempska, 1981, . 48-49, . 8, . 5],

D V,
 V, P.
 ()
 ()
).
 . 4 Cn 10 .— , ,

Rectonaria ovata N. Kotchetova, sp. nov.

. XXIII, 4

ovatus ()— 14 ;
 66-96, ; , ,
 V. . Sn D. Dx P V.
 PD Dx Sn . Sn Dx P, V.
 PV Sn . ICn — , hCn — -
 P, tCn — . P. Fc .
 : ICn = 0,885; hCn = 0,525; tCn = 0,45; IC = 0,405.

Rectonaria muelleri Grundel [Becker, 1981, . 50-51,

. 10, . 23-30],
 Cn
 — VSn.
 ()
 ()
).
 . 1 Cn 2 .— , - .

Rectonaria sholaksajensis N. Kotchetova, sp. nov.

. XXIII, 9

66-91, ; , - , . 50;

D,

, P, PD , V. Sn

Dx , h — P, tCn — AD Sn, 1/2 lCn, Sn lCn —

, : lCn = 1,005; h = 0,51; tCn = 0,465.

Rectonaria,

() ()

. 15 Cn 8 .— , - .

Orthonaria Blumenstengel, 1965

Orthonaria insolita Kotschetkova et N. Kotchetova, sp. nov.

. XXIII, 5

insolitus (.)—

66-98, ; , . 2740;

D, V. , DDx , P

DSn. . Sn Dx , V. lCn — , h — P. , tCn —

. Fc , : lCn = 0,54; h = 0,39; tCn = 0,315.

Orthonaria gruendeli Olempska [1979, . 128, . 26, . 9] (Wocklumeria Stage, do VI)

DSn DDx , (,) . 6 Cn 2 .— (,) .

RECTOPLACERINAE BLUMENSTENGEL, 1965

Rectoplacera Blumenstengel, 1965

Rectoplacera explicata N. Kotchetova, sp. nov.

. XXIII, 11

o explicatus (.)—

66-101, ; , . 14;

DDx — , P
 V. D V.
 DSn.
 Sn PV
 Dx A, V P Sn Dx
 PD, P
 PV. lCn — , h — , DSn
 Fc P, tCn —
 : l n = 1,05; h = 0,72; tCn = 0,525; lC = 0,525.
 Rectoplacera
 DSn.

() ()
) ()
).
 .4 Cn 72 .— , , - .

Rectoplacera differta N. Kotchetova, sp. nov.

. XXIV, 1

differtus () — .
 66-106, ; , . 12;

D, P.
 DSn DDx D. V
 A. P - , A. Sn
 Dx , V. PV Sn Dx -
 PD Sn. lCn — ½ h , h tC — P.
 A D P V.
 D— . Fc .
 : lCn = 0,75; h = 0,48; tCn = 0,465; l = 0,3.

(*Wocklumeria* Stage, do VI), *Rectoplacera elliptica* Blu-
 menstengel [Olempska, 1979, . 129, . 27, . 5],
 AD, -

() ()
) ()
 (.5 9 .— , - .

Triplacera Gründel, 1961

Triplacera (Necrateria) Gründel, 1962

Triplacera (Necrateria) imperspicua N. Kotchetova, sp. nov.

. XXIV, 3, 5

imperspicuus () — .
 66-109, ; , . 2, . 21;

D, P , D DDx DSn.
 A— - .
 , P .

Dx P V , PV , VS_n VDx V hCn — P .
 lCn — tCn —

$lCn = 0,9; hCn = 0,555; tCn = 0,435; lC = 0,51$.
 Triplacera

(), ()
 (), ().
 6 Cn 27 —

Triplacera (Necrateria) immemorata N.Kotchetova, sp. nov.

.XXIV, 4, 8

immemoratus () —
 66-114, ; , . 2, . 20;

Cn — D —
 P — D —
 V — P — PV —
 hCn — P, nCn — V — Cn —
 Fc —

$lCn = 0,99; hCn = 0,55; tCn = 0,465; lC = 0,63$.
 Triplacera (Necrateria) trapezoidalis Gründel [1962, . 82,
 Gattendorfia-Stufe Cu I

II, . 13–15] PV .
 Cn , (,)
 (,)
 . 12 Cn 16 —

BEECHERELLIDAE ULRICH, 1894

Acanthoscapha Ulrich et Bassler, 1923

Acanthoscapha arguta N. Kotchetova, sp. nov.

. XXVI, 5

argutus () —
 66-139, ; , . 2726;

n —
 D DSn — DSn —
 P — DDx —
 V — P — AD PD —
 V ; P — AV PV — hCn — tCn — $\frac{1}{2} hCn$,
 lCn — $n.Fc$ —

1-3] : $lCn = 1,305; hCn = 0,69; tCn = 0,45; lC = 0,345$.
Acanthoscapa dorsonoda Blumenstengel [1967, . 150, . II,
gigas, *D*,

DSn.

) (, -
).
 . 13 *Cn* 9 .— , , - .

Acanthoscapa limata N.Kotchetova, sp. nov.

. XXVI, 8

limatus (.)—
 66-137, ; , . 14 ; ,

PD AD. *D* ,
DDx DSn. V ,
P, ,
P. AV PV ,

V *Sn* *Dx AD PD. lCn* — -
h — , *P.* - , *tCn* -
Fc .
 , : $lCn = 1,5; hCn = 0,75; tCn = 0,51; lC = 0,36$.

Fc
Acanthoscapa.

) (, -
).
 . 7 *Cn* 13 .— , , - .

GERODIIDAE GRÜNDEL, 1962

Gerodia Gründel, 1962

Gerodia lata N. Kotchetova, sp. nov.

. XXV, 6

latus (.)—
 66-146, , , . 2744; -

, - *D* -
 , *V* , -
 , *P* , -
 , *PVDx* , -

PD *Sn* *Dx V* *P. lCn* — -
hCn — , *tCn* — , *PV. Fc* -

, : $lCn = 1,005; hCn = 0,555; tCn = 0,495; lC = 0,465$.

Genus 1 sp. B

() [Becker, 1982b, . 131-132, . 8, . 23],

iCn *Cn.* *Dx*
) (,) .
 . 6 *Cn* 1 . — , .

Gnathodus Pander, 1956

Gnathodus kiensis Pazuhin, sp.nov.

. XXVIII, 1-3

104/487, ; , , 3, . 12;

$1/2-2/5$

Gnathodus bilineatus (Roundy)

lineatus (Roundy); *Gn. kiensis* *Gnathodus bilineatus* bi-
 . 12 . .

Paragnathodus Higgins, 195

Paragnathodus monocostatus Pazuhin et Nemirovskaya, sp.nov.

. XXIX, 5-8

Gnathodus commutatus nodosus Bischoff: Austin, Husri, 1974, pl. 3, fig. 8 (non 4-7)

Paragnathodus mononodosus (Rhodes, Austin, Druce): Higgins, 1975, p. 71-72, pl. 7, fig. 14;
 ., 1987, . 63-64, . 16, 18, 19 (non 14, 15, 17)

mono (.) — , costa (.) — .
 104/507, ; , , . 2, 4, . 21;

6-8

Paragnathodus mononodosus (Rhodes, Austin et Druce) [Rhodes et al., 1969, p. 103–104, tabl. 19, fig. 13–15]

Paragnathodus mononodosus (Rh., A. et Dr.),

() — ;

200 — , ,

Paragnathodus costatus Pazuhin et Nemirovskaya, sp.nov.

. XXIX, 9–12

Gnathodus commutatus nodosus Bischoff: Austin, Husri, 1974, pl. 3, fig. 5 (non 4, 6–8); ... , 1979, . 112–113, . LIV, . 3

Gnathodus nodosus Bischoff: Rhodes et al., 1969, p. 104–105, pl. 19, fig. 16, 19, 20 (non 17, 18); Austin et al., 1974, pl. 1, fig. 3, 6 (non 2, 13)

Paragnathodus nodosus (Bischoff): Higgins, 1975, p. 72, pl. 7, fig. 15, 18, 19 (non 17, 22, 23); Wang et al., 1987, p. 131, pl. 1, fig. 4, 5 (non 3)

costatus (.) —

104/509, ; , , 6, . 70; -

2 — -

7–9 . -

Paragnathodus nodosus (Bischoff) [Bischoff, 1957, p. 23–24, tabl. 4, fig. 12, 13] , Par. cruciformis (Clarke) ,

Par. monocostatus sp. nov.

Par. costatus Par. cruciformis

; (Gn.bilineatus bollandensis) ; - -

. 270 — , , ,

(SCCS)

Homoceras,
Decl. noduliferus,
E₂-H.

Decl. noduliferus

Eos. explicata – M. subplanus,

Pl. bogdanovkensis.
Decl. noduliferus – Decl. lateralis.

(

(

Ard. gibberosa – L. arcuata).
— Id. sinuatus —
Plectostaffella,

Homoceras (H₁) Homoceras

(H₂).

Decl. noduliferus – Decl. lateralis
Homoceras (H₁).
Gn. bollandensis – Decl. noduliferus

E₂-H₁

1990

Id. sinuatus [
Decl. noduliferus.

Pl. posochovae.
Homoceras (H₁),

E₂.

Gn. bilineatus bollandensis.
Gn. bollandensis – Decl. noduliferus).
Id. sinuatus —
Plectostaffella,
Homoceras (H₁) Homoceras
Decl. noduliferus – Decl. lateralis
Homoceras (H₁).
Gn. bollandensis – Decl. noduliferus
Gn. bilineatus bollandensis
, 1991],
Pl. posochovae

Pl. posochovae
Pl. bogdanovkensis
. subplanus

Ard. gibberosa – L. arcuata

Homoceras.

Eos. explicata –
Gn. bollandensis – Decl. noduliferus.

Gn. bollandensis – Decl. noduliferus.

Pl. bogdanovkensis,
Decl. noduliferus – Decl. lateralis.

, 1982. . 58-74. //

VIII ¹; . 1). , 1978 . . 92-101. (.)

// . 1978 . . 83-91. .E.,

// , 1971. . 18-70. , 1979. 20 .

“ / ” , 1987. 144 .

// , 1989. . 30. . 48-58.

. , 1962. 232 .

“ : ” , 1941. 77 . (. ; . VIII. . ; . 4).

“ : ” , 1952. 302 .

// 1988. 9. . 10-14.

// “ ” 1989. 30. . 52-53.) /

“ : ” , 1983. 164 , 1984. 70 .

“ : ” // -1982. : .

, 1983. . 13-15. //

“ : ” . 1985. . 60, . 3. . 94-99. //

“ : ” , 1978. . 164-167.

“ : ” 3. “ ”

“ : ” , 1979. . 268-274. (. VIII . ; . 3). //

1975. . 90-103. , 1983. 120 .

// “ : ” , 1977. . 78-100. //

“ : ” , 1990. . 55-62.

// : .

, 1988. . 24-35.

1

, 1936. 206 . (. ; . 81).
 // 1947. . 22, . 5. . 51–58.
 // : , 1973. . 15. . 127–185. (. / ; . 82).
 // 1986. . 3. . 29–35.
 , 1963. 329 .
 , 1954. 163 .
 , 1926. 184 .
 // 1983. . 11. . 59~68.
 . 1987. . 62, . 4. . 106–126. //
 // : XXXVII .
 (28 . – 1 . 1991 .). : ; ; ,
 1991. . 44–46.
 , 1987. 17 .
 // , 1989. . 92–112.
 ; . 383). . . . , 1975. 359 . (. /
 // : :
 , 1951. . 5–108. (. . . . ; . 56). . . . , 1972. 66 .
 , 1972. 114 .
 : , 1975. 196 .
 (. . . .) / ,
 , 1975. 184 .
 047 XXXVII :
 , 1984. 137 .
Pa Mesolasioidiscus gen. nov. —
 (. . . .) // 1990. . 1. . 121–124.
 // : , 1971. . 14. . 3–10.
 // : , 1978. . 6. . 204–206.
 Homoceras) // , 1980. . 23. . 23–38.
 , 1959. 129 .
 : , 1972. 194 .
 , 1971. 362 . (. / ; . 133). :
 , 1978. 339 . (. / ; . 167).
 // : , 1970.
 . 138–197.
 // 1989. . 64, . 3. . 124.
 // : , 1984. . 9–67.
 // : , 1978.
 . 102–111. (. VIII ; . 1).

, 1965. . 1. . 155–203. //

// . 220–227. (. VIII ; . 2). , 1979.

, 1987. 71 .

// , 1975. . 25. . 3–14. :

. : - , 1963. 13 . (. / ; . 76). , 1951. 223 .

., 1973. 184 . (.) . :

// , 1960. . 5. . 337–420. (. / ; . 163). //

// ; 25). , 1975. . 127–137. (.

, 1980. 123 . :

// , 1975. . 104–109. :

// , 1979. . 307–311. (. VIII ; . 3). - //

. 14). , 1958. . 58–85. (. / ; //

104. : , 1975. . 85–

// , 1990. . 1–30. -

(.) . : , 1958. 194 . //

., 1970. . 107–123. //

6. . 130–133. // . 1988.

., 1978. . 92–101. (. VIII ; //

. 1). , 1982. . 74–94. //

1988. . 63, . 1. . 39–49. //

// , 1982. . 37–57. -

(.) // . 1973 . . 213, -

5. . 1155–1157. //

// , 1973 . . 93–102. -

Austin R., Conil R., Groessens E., Pirlet H. Etude biostratigraphique de Pencilite de Tramaka // Bull. Soc. beige geol. 1974. Vol. 83, fasc. 2. P. 113–129.

Austin R., Husri S. Dinantian conodont faunas of Country Clare, Country Limerick and Country Leitrim: An appendix // Intern. symp. on Belg. micropaleontol. limits from Emsian to Visean, Namur, 1974. N 3. P. 18–69.

Becker G. Ostracoda aus cephalopoden-führendem Oberdevon im Kantabrischen Gebirge (N-Spanien).

1. Hollinacea, Primitiopsacea, Kirkbyacea, Healdiacea und Bairdiocypridacea // *Paleontographica*. Abt. A. 1981. Bd. 173. S. 1–63.
- Becker G.* Fazies-anzigtnde Ostracoden-Vergesellschaftungen aus dem fruhen Oberkarbon des Kantabrischen Gebirges (N-Spanien) // *Neues. Jb. Geol. und Palaontol. Abh.* 1982a. Bd. 164, N 3. S. 307–338.
- Becker G.* Ostracoda aus cephalopoden-führendem Oberdevon im Kantabrischen Gebirge (N-Spanien).
2. Bairdiacea, Cytheracea, und Entomozoacea // *Palaeontographica*. Abt. A. 1982b. Bd. 178. S. 109–182.
- Becker G.* Ostraciden-Entwicklung in Kantabrischen Variszikum (Nordspanien) // *Neues Jb. Geol. und Palaontol. Abh.* 1982c. Bd. 163. S. 153–163.
- Becker G.* Ostracoden-Faunen thuringischer Proveniensi aus dem Karbon des Kantabrischen Gebirges (N-Spanien) // *Ztschr. Dt. geol. Ges.* 1984. Bd. 135, N 1. S. 317–324.
- Bischoff G.* Die Conodonten-Stratigraphie des rheinoherzynischen Unterkarbons mit Berücksichtigung der Wocklumeria-Stufe und der Devon-Karbon-Grenze // *Abh. Hess. Landesamt. Bodenforsch.* 1957. N 19. S. 64.
- Bless M.J.M., Jordan H.* Classification on Palaeocypid ostracodes belonging to the families Ctenoloculiniidae, Hollinidae and Hollinellidae // *Bull. Cent. rech. Pau.* 1971. N 5. P. 869–890.
- Blumenstengel H.* Zur Taxionomie und Biostratigraphie verkieselter Ostracoden aus dem Thüringer Oberdevon // *Freiberg. Forschungh. C.* 1965. Bd. 183. S. 127.
- Blumenstengel H.* Zur Systematik der Familie Beecherellidae Ulrich 1894 (Ostracoda): Zur Palaontologie und Biostratigraphie des Paläozoikums und Mesozoikums Europas // *Ibid.* 1967. Bd. 213. S. 145–157.
- Bradfield H.H.* Pennsylvanian ostracoda of the Ardmore basin, Oklahoma // *Bull. Amer. Paleontol.* 1935/1936. Vol. 22, N 73. P. 1–146.
- Brenckle P.L.* Foraminifers and other calcareous microfossils from late Chesterian (Mississippii) strata of Northern Arkansas // *Mississippian-Pennsylvanian boundary in northeastern Oklahoma and northwestern Arkansas.* Oklahoma City, 1977. P. 73–87. (Okla. Geol. Surv. Guidebook; N 18).
- Brenckle P.L., Groves J.R., Skipp B.* A Mississippian-Pennsylvanian (mid-Carboniferous) boundary in North America based on calcareous foraminifera // *Biostratigraphic data for a mid-Carboniferous boundary.* Leeds, 1982. P. 42–51.
- Cooper C.L.* Chester Ostracodes of Illinois // *Ill. Geol. Surv. Rep. Invest.* 1941. Vol. 3, N 77. P. 5–101.
- Cooper C.L.* Pennsylvanian ostracodes of Illinois // *Bull. Ill. Geol. Surv.* 1946. N. 70. P. 1–171.
- Goryell H.N., Booth R.T.* Pennsylvanian Ostracoda: A continuation of the study of the Ostracoda fauna from the Wayland Shale, Graham, Texas // *Amer. Midland Natur.* 1933. Vol. 14, N 3. P. 258–278.
- Gronois .., Bristol H.M.* New Ostracodes from the Menard formation // *J. Sci. Lab. Denison Univ.* 1939. Vol. 34. P. 65–101.
- Croneis C., Gutke R.L.* New Ostracodes from the Renault Formation // *Ibid.* 1939. Vol. 39. P. 33–63.
- Gramm M.N.* Janischewskyidae n. fam. and the duplicature of Palaeozoic Ostracodes // *Lethaia.* 1984. Vol. 17. P. 125–132.
- Groessens E.* Distribution de conodontes dans le Dinantien de la Belgique: Preliminary range chary of conodont biozonation in the Belgian Dinantian // *Intern. symp. on Belg. micropaleontol. limits from Emsian to Visean.* Namur. 1974. N. 17. P. 1–193.
- Groves I.R.* Calcareous foraminifers from the Bashkirian stratotype (Middle Carboniferous, South Urals) and heir significance for intercontinental correlations and the evolution of the Fusulinidae // *J. Palaeontol.* 1988. Vol. 62, N3. P. 368–399.
- Gründel J.* Zur Taxionomie der Ostracoden der Gattendorfia-Stufe Thüringens // *Freiberg. Forschungsh. C.* 1962. Bd. 151. S. 51–105.
- Gründel J.* Ostracoden (Crustacea) aus dem Vise des Harzes (Kulm-Fazies): Zur Paläontologie und Biostratigraphie des Paläozoikums und Mesozoikums Europas // *Ibid.* 1972. Bd. 276. S. 19–35.
- Gründel J.* Neue Ostracoden der Healdiacea und Quasillitacea aus dem Dinant der Insel Rugen // *Ztschr. geol. Wiss.* 1975. N. 7. S. 971–983.
- Higgins A.C.* Conodont zonation of the late Visean-early Westphalian strata of the south and central Pennines of northern England // *Bull. Geol. Surv. Gr. Brit.* 1975. N 53. P. 1–90.
- Higgins A.C., Bouckaert J.* Conodont stratigraphy and paleontology of the Namurian of Belgium // *Mem. Exp. et Min. Belg.* 1968. N 10. P. 1–64.
- Laloux M.* Foraminiferes du Viseen Superieur et du Namurien du Bassin Franco-Belge // *Bull. Soc. Belge geol.* 1987. Vol. 96. fasc. 3. P. 205–222.
- Lane H.R.* Morrowan (Early Pennsylvanian) conodonts of northwestern Arkansas and northeastern Oklahoma // *Mississippian-Pennsylvanian boundary in northeastern Oklahoma and northwestern Arkansas.* Oklahoma City, 1977. P. 177–180. (Okla. Geol. Surv. Guidebook; N 18).
- Lane H.R., Manger W.L.* Toward a boundary in the Middle of the Carboniferous (1975–1985): ten years of progress // *Cour. Frosh. Inst. Senckenberg.* 1985. Bd. 74. P. 15–34.
- Mamet B.L.* Carboniferous foraminifera and algae of the Amsden formation (Mississippian and Pennsylvanian) of Wyoming // *Geol. Surv. Prof. Pap.* 1975. N 848-B. P. 1–20.
- Olempska E.* Middle to Upper Devonian Ostracoda form the southern Holy Cross Mountains, Poland // *Palaeontol. pol.* 1979. N 10. P. 57–145.
- Olempska E.* Lower Carboniferous ostracodes of the Holy Cross Mountains, Poland // *Acta palaeontol. pol.* 1981. Vol. 26. N 1. P. 35–53.

Ramsbottom W.H.C., Higgins A.C., Owens B. Palaeontological characterization of the Namurian of the stratotype area: (A report of the Namurian working group) // *J. Geol. Soc. Lond.*, 1979. . 85–99. (. VIII ; . 3).

Rhodes F.H.T., Austin R.L., Druce E.C. British Avonian (Carboniferous) conodont faunas and their value in local and intercontinental correlation // *Bull. Brit. Mus. (Natur. Hist.) Geol.* 1969. Suppl. 5. P. 1–313.

Robinson J.E. The ostracod fauna of the Shale facies of the Cawdor Limestones, North and of Cawdor Quarry, Derbyshire // *Quart. J. Geol. Soc.* 1959. Vol. 114. P. 435–448.

Robinson J.E. The Carboniferous: A stratigraphical index of British Ostracoda // *Geol. J. Spec. Iss.* 1978. N 8. P. 121–166.

Ruggieri G. Nuovo genere di ostracode del Carbonifero superiore delle Alpi Carniche // *Riv. ital. paleontol.* 1966. Vol. 72. P. 1–8.

Skipp B., Baesemann J.F., Brenckle P.L. A reference area for the Mississippian-Pennsylvanian (mid-Carboniferous) boundary in east-central Idaho, US // X Congr. Intern. stratigr. et geol. carbonifere, Madrid, 12–17 sept., 1983. Madrid, 1985. Vol. 4. P. 403–428.

Sohn I.G. Aechminella, Amphissites, Kirkbyella and related genera // *Geol. Surv. Prof. Pap.* 1961. N. 330-B. P. 107–160.

Sohn I.G. New Late Mississippian Ostracode genera and species from Northern Alaska: A revision of the Paraparchitacea // *Ibid.* 1971. N. 711-A. P. 1–24.

Sohn I.G. Late Paleozoic Ostracode species from the Conterminous United States: A revision of the Paraparchitacea // *Ibid.* 1972. N 711-B. P. 1–15.

Sohn I.G. Late Mississippian and Early Pennsylvanian Ostracoda from northern Arkansas — a preliminary survey // Mississippian-Pennsylvanian boundary in northeastern Oklahoma and northeastern Arkansas. Oklahoma City, 1977. P. 149–159. (Okla. Geol. Surv. Guedebook; N 18).

Treatise on invertebrate paleontology. Pt. Q. Arthropoda. 3. Crustacea. Ostracoda / Ed. R.C. Moore. Lawrence: Amer. Geol. Soc. and Univ. of Kans. press, 1961. 441 p.

Ulrich E.O., Bassler R.S. New American paleozoic Ostracoda notes and descriptions of Upper Carboniferous genera and species // *Proc. US Nat. Mus.* 1906. Vol. 30, N 1446. P. 149–165.

Wang Z.H., Lane H.R., Manger W.L. Carboniferous and early Permian conodont zonation of North and Northwest China // *Cour. Forsch.-Inst. Senckenberg.* 1987. N 98. P. 119–157.

I-XXXII

I

1. *Endothyra? tumulifera* Reitlinger, × 75, . . . 121/375, . . . , 81,
2. *Endothyra excellens* Zeller, × 75, . . . 121/145, . . . , 4, . . . 22, . . . idem.
- 3, 4. *Planoendothyra spiriliniformis* (Brazhnikova et Potievskaja), × 75: 3 — . . . 121/285, . . . -
 , . . . 73/7, . . . ; 4 — . . . 121/832, . . . , . . . 151, . . . idem.
5. *Planoendothyra aljutovica* (Reitlinger), × 75, . . . 121/379, . . . , . . . 81, . . . -
6. *Endothyranella* sp., × 75, . . . 121/377, . . . , . . . 80, . . . idem.
7. *Janischewskina delicata* (Malakhova), × 75, . . . 121/278, . . . , . . . 73/13, . . . -
8. *Endothyranopsis* sp., × 75, . . . 121/797, . . . , . . . 2745, . . . idem.
9. *Endothyranopsis ex gr. crassa* (Brady), × 40, . . . 121/329, . . . , . . . 77 , . . . idem.
10. *Bradyina cribristomata* Rauser et Reitlinger, × 50, . . . 121/833, . . . , . . . 3, . . . -
 . . . 3/13,
11. *Bradyina concinna* Reitlinger, × 75, . . . 121/384, . . . , . . . 81, . . . -
12. *Bradyina nautiliformis* Moeller, × 50, . . . 122/24, . . . , . . . 3/4, . . . -
13. *Bradyina ex gr. minima* Reitlinger, × 75, . . . 121/346, . . . , . . . 77/4, . . . idem.

II

1. *Eostaffella mosquensis* Vissarionova, × 75, . . . 121/834, . . . , . . . 151, . . . -
2. *Eostaffella mosquensis acuta* Ganelina, × 75, . . . 121/411, . . . , . . . 4, . . . 1, . . . -
- 3, 4. *Eostaffella pseudostruvei* (Rauser et Beljaev), × 75: 3 — . . . 121/223, . . . , . . . 79, . . . -
 idem; 4 — . . . 121/443, . . . , . . . 4, . . . 18, . . . idem.
5. *Eostaffella nauvalia* Rumjanzeva, × 75, . . . 121/451, . . . , . . . 4, . . . 20, . . . idem.
6. *Eostaffellina ex gr. protvae* (Rauser), × 80, . . . 121/764, . . . , . . . 2727 , . . . -
- 7, 11. *Eostaffellina paraprotvae* (Rauser): 7 — × 75, . . . 121/146, . . . , . . . 81, . . . -
 ; 11 — × 80, . . . 121/765, . . . , . . . 2727 , . . . -
8. *Eostaffella ovoidea* Brazhnikova et Potievskaja, × 75, . . . 122/19, . . . , . . . 3/4, . . . -
9. *Eostaffella pseudoovoidea* Reitlinger, × 75, . . . 121/190, . . . , . . . 73/7, . . . idem.
10. *Eostaffellina actiosa* Reitlinger, × 80, . . . 121/775, . . . , . . . 2727 , . . . -
12. *Eostaffella proikensis* Rauser, × 75, . . . 121/835, . . . , . . . 2745, . . . -
13. *Millerella umbilicata* Kireeva, × 75, . . . 121/216, . . . , . . . 80, . . . -
14. *Parastaffella utkaensa* Postojalko, × 75, . . . 121/463, . . . , . . . 4, . . . 10, . . . idem.

15. *Eostaffella mirifica* Brazhnikovae, × 80, . 121/801, , , 2741, -
 16. *Eostaffella kalinensa* Postojalko, × 80, . 121/800, idem.
 17. *Parastaffella* ex gr. *struvei* (Moeller), × 75, . 121/465, , . 4, . 18, -
 18. *Pseudoendohtyra schlykovae* (Durkina), × 75, . 121/460, idem.
 19. *Eostaffella mirifica compressa* Brazhnikova, × 80, . 121/4, , . 2741,
 20. *Eostaffella* ex gr. *ikensis* Vissarionova, × 75, . 121/342, , , 77/3,
 idem.
 21. *Eostaffella mirifica* Brazhnikov, × 100, , . 122/21, , . 3/5,
 idem.
 22. *Ozawainella?* sp., × 75, . 121/836, , . 154,
 23, 24. *Endotaxis brazhnikovae* Bogush et Juferev, × 75: 23— . 121/345, , . 75,
 ; 24— . 121/201, , . 81,

III

- 1–4, 7. *Semistaffella minuscularia* Reitlinger, × 75: 1— . 121/206; 2— . 121/207, -
 , . 81, ; 3— . 121/838, idem; 4—
 . 121/839, , . 81, ; 7— . 121/449, ,
 . 4, . 20,
 5, 10, 11. *Plectostaffella obtusa* Reitlinger, × 75: 5— . 121/408, , . 81, -
 ; 10— . 121/837, , . 3, . 3/10, ; 11— .
 121/846, , . 3, . 3/25, idem.
 6. *Plectostaffella varvariensisformis tenuissima* Brazhnikova et Vdovenko, × 75, . 121/450, -
 , . 4, . 176,
 8. *Semistaffella* sp., × 75, . 121/448, , . 24, idem.
 9, 12, 17. *Plectostaffella* spp., × 75: 9— . 121/406, 12— . 121/416, 17— . 121/414;
 , . 81,
 13–15. *Plectostaffella karsaklensis* Kulagina sp. nov., × 75: 13— . 121/732, , -
 , . 47, ; 14— . 121/458, , . 4,
 . 24, ; 15— . 121/845, , . 7, . 7/6,
 16. *Plectostaffella* sp. 2, × 75, . 121/454, , . 4, . 10,
 18–20. *Plectostaffella bogdanovkensis* Reitlinger, × 75: 18— . 121/225, , . 79,
 ; 19— . 121/840, , . 4, . 24,
 20— . 121/453, , . 4, . 20, idem.
 21. *Plectostaffella* ex gr. *bogdanovkensis* Reitlinger, × 75, . 121/208, , , 81,
 22. *Plectostaffella* sp., × 75, . 121/841, , . 154,
 23, 24. *Plectostaffella varvariensis* (Brazhnikova et Potievskaja), × 75: 23— . 121/169, -
 , . 77, ; 24— . 121/210, , . 81,
 25. *Plectostaffella* ex gr. *varvariensis* (Brazhnikova et Potievskaja), × 75, . 121/456, ,
 . 4, . 176,
 26. *Plectostaffella* sp. I, × 75, . 121/209, , . 81, idem.
 27. *Plectomediocris asymmetrica* Brazhnikova et Vdovenko, × 75, . 121/222, , .
 79 (=80), idem.
 28, 29. *Plectostaffella orbiculata* R. Ivanova, × 75: 28— . 121/842, , . 151, -
 ; 29— . 121/297, , . 73/7, idem.
 30, 31. *Plectostaffella* ex gr. *varvariensis* (Brazhnikova et Potievskaja): 30— × 80, . 121/774, -
 , . 2727, ; 31— × 75, . 121/843, ,
 . 151,

IV

1. *Biseriella parva* (N. Tchernycheva), × 100, . 121/822, , . 29 (74/3), -
 2, 5. *Biseriella minima* (Reitlinger), × 100: 2— . 122/44, , . 3/4, -
 ; 5— . 121/491, , . 4, . 9,
 3, 4, 8. *Globivalvulina bulloides* (Brady): 3— × 100, . 121/247, , . 70/1, -
 ; 4— × 100, . 121/828, , . 79, ; 8—
 × 75, . 122/44, , . 4/2,
 6. *Biseriella* sp. I, × 100, . 122/43, , . 4/4,
 7, 9–11. *Globivalvulina kamensis* Reitlinger, × 100: 7— . 122/101, , . 4/2, -
 ; 9— . 121/487, , . 4, . 9, ; 10—
 . 794/85, , , III-24 (3), ; 11—
 . 121/215, , . 80, . 97
 7. . 1863

12. *Archaeodiscus moelleri* Rauser, × 100, . . . 122/30, . . . , 3/5, . . .
 13. *Archaeodiscus* ex gr. *chernousovensis* Mamet, × 100, . . . 122/28,
 idem.
 14. *Archaeodiscus vischerensis* Grozdilova et Lebedeva, × 100, . . . 122/27,
 . idem. -
 15. *Neoarchaeodiscus postrugosus* (Reitlinger), × 100, . . . 122/41, . . . idem.
 16. *Asteroarchaeodiscus subbaschkiricus* (Reitlinger), × 100, . . . 122/32,
 idem.
 17. *Neoarchaeodiscus incertus* (Grozdilova et Lebedeva), × 100, . . . 122/37, . . . -
 idem.
 18, 19. *Neoarchaeodiscus gregorii* (Dain), × 150: 18 — . . . 121/520, . . . , . 44, . . . -
 ; 19 — . . . 121/521, . . . , . 43, . . .
 20. *Neoarchaeodiscus bykovensis* (Sosipatrova), × 150, . . . 121/510,
 idem.
 21. *Neoarchaeodiscus postrugosus* (Reitlinger), × 150, . . . 121/508, . . . - , . , 40,
 idem.
 22. *Planospirodiscus minimus* (Grozdilova et Lebedeva), × 150, . . . 121/513, . . . - , . , 44,
 idem.
 23. *Eosigmoilina* ex gr. *explicata* Ganelina, × 150, . . . 121/299, . . . , . , 74/2,
 idem.

V

× 100

- 1, 3. *Mesolasiiodiscus? nigrans* Kulagina sp. nov.: 1 — . . . 121/220, . . . , . . 80,
 ; 3 — . . . 121/692, . . . , . 13 , . . . idem.
 2. *Mesolasiiodiscus? sp.*, . . . 121/496, . . . , . 4, . . 04, . . . idem.
 4, 6. *Monotaxinoides* ex gr. *transitorius* Brazhnikova et Jarzeva: 4 — . . . 121/367,
 . 74/9, . . . ; 6 — . . . 121/305, . . . , . , 73/7, . . . idem.
 5, 7. *Monotaxinoides gracilis* (Dain): 5 — . . . 121/365, . . . , . , 74/9, . . . idem; 7 —
 . 121/49, . . . , . 2745, . . . idem.
 8, 10. *Monotaxinoides priscus* Brazhnikova et Jarzeva: 8 — . . . 121/518, . . . , . 12, . . . -
 ; 10 — . . . 121/519, . . . , . 11 , . . . idem.
 9, 11. *Eolasiiodiscus muradymicus* Kulagina sp. nov.: 9 — . . . 121/304, . . . , . . 73/7,
 ; 11 — . . . 121/363, . . . , . 74/10, . . . idem.
 12, 13. *Monotaxinoides transitorius* Brazhnikova et Jarzeva: 12 — . . . 121/844, . . . , . 151,
 ; 13 — . . . 121/744, . . . , . 2745 , . . . idem.
 14. *Monotaxinoides sp.*, . . . 121/362, . . . , . 75, . . . idem.
 15. *Monotaxinoides convexus* Brazhnikova, . . . 121/492, . . . , . 4, . . 25,
 idem.
 16, 18. *Eolasiiodiscus دنباسسicus* Reitlinger: 16 — . . . 121/131, . . . , . 77, . . . -
 ; 18 — . . . 121/364, . . . , . 74/9, . . . idem.
 17, 20. *Monotaxinoides subplanus* (Brazhnikova et Jarzeva): 7 — . . . 122/25, . . . 3/5; 20 —
 . 121/206, . . . 73/13; . . . idem.
 19. *Howchinia gibba longa* Brazhnikova, . . . 121/163, . . . , . 81, . . . -

VI

Eosigmoilina explicata

1. *Eostaffella mirifica* Brazhnikova, × 70, . . . 794/1, . . . 101/5 (6), . . .
 2. *Eostaffella klautzana* Grozdilova et Lebedeva, × 70, . . . 794/2, . . . I -35 , . . .
 3, 4. *Eostaffella pseudoovoidea* Reitlinger, × 70: 3 — . . . 794/3, . . . 102/6, . . . , . ;
 4 — . . . 794/4, . . . I -35 , . . .
 5. *Eostaffella prisca* Rauser, × 70, . . . 794/5, . . . I -35 , . . .
 6. *Plectostaffella sp.*, × 70, . . . 794/6, . . . I -35 , . . .
 7. *Parastaffella* ex gr. *struvei* (Moeller), × 70, . . . 794/7, . . . XIX-35 (68), . . . , . -
 8. *Eostaffella mosquensis* Vissarionova, × 70, . . . 794/8, . . . 1401/18, . . . , . -
 9-11. *Plectostaffella primitiva* Rumjanzeva sp. nov., × 90: 9 — . . . 794/9, . . . VI-48,
 . . . ; 10 — . . . 794/10, . . . I -35 ; 11 — . . . 794/11, . . . XIX-
 35 (68);
 12. *Eostaffellina protvae* (Rauser), × 70, . . . 794/12, . . . 637/16 (21), . . .
 13. *Plectostaffella praevarvariensis* Rumjanzeva sp. nov., × 70, . . . 794/13, . . . VI-38,

- 14, 15. *Plectostaffella longa* Rumjanzeva sp. nov., × 90: 14 — , . 794/14, III-12 (6); 15 — 794/15, III-19 (8);
 16–18. *Plectostaffella minima* Rumjanzeva sp. nov., × 70: 16 — , . 794/16, VI-46, ; 17 — 794/17, VII-57a, ; 18 — 794/18, 1401/16 (2), , .
 19. *Pseudoendothyra* cf. *globosa* Rosovskaja, × 70, . 794/19, 1401/11 (4), .
 20. *Parastaffella* sp. × 70, . 794/20, 1401/18, .
 21, 22. *Eosigmoilina explicata* Ganelina, × 90: 21 — . 794/21, 100/17 (5); 22 — 794/22, 100/17, .
 23, 24. *Eosigmoilina rugosa* Brazhnikova, × 90: 23 — . 794/23, XIX-20 (39), - ; 24 — 794/24, 100/17 (5), .
 25, 26. *Eosigmoilina namuriensis* Dain, × 90: 25 — . 794/25, 100/17 (5), . ; 26 — 793/26, I -35, .
 27. *Eosigmoilina ex gr. explicata* Ganelina, × 90, . 794/27, I -35, , .
 28, 29. *Eosigmoilina aff. pamirensis* (M.-Maclay), × 90: 28 — . 794/28, II-23; 29 — 794/29, II-20; .
 30–32. *Archaediscus krestovnikovi* Rauser, × 90: 30 — . 794/30, I -35 ; 31 — 794/31, I -35 ; 32 — 794/32, I -35 ; .
 33. *Asteroarchaediscus ovoides* (Rauser), × 90, . 794/33, 1401/17 (6), , .
 34. *Asteroarchaediscus baschkiricus* (Krestovnikov et Theodorovitch), × 70, . 794/34, XIX-35, .
 35. *Biseriella ex gr. parva* (N. Tschernyshova), × 70, . 794/35, I -35, , .
 36. *Monotaxinoides transitorius* Brazhnikova et Jarzeva, × 90, . 794/36 354/58 (4), - .
 37. *Howchinia gibba* (Moeller), × 70, . 794/37, 1400/5 (1), , - .
 38. *Palaeospiroplectammina cf. tchernyshinensis* (Lipina), × 70, . 794/38, 1401/16 (10), .
 39. *Loeblichia minima* Brazhnikova, × 90, . 794/39, 101/5 (4), , .

VII

Plectostaffella posochovae

1. *Earlandia elegans* (Rauser et Reitlinger), × 90, . 794/40, 1401/20, , .
 2. *Endothyra* (*Rectoendothyra*) cf. *donbassica* Brazhnikova, × 70, . 794/41, 1401/19, - idem.
 3. *Endothyra bowmani irregularis* Reitlinger, × 90, . 794/42, 19 (1), , .
 4. *Eostaffella postmosquensis* Kireeva, × 80, . 794/43, 103/20 (1), , .
 5. *Eostaffella lata* Grozdilova et Lebedeva, × 90, . 794/44, 19, , .
 6. *Millerella umbilicata* Kireeva, × 90, . 794/45 637/14 (10), , .
 7. *Eostaffella rectopuella* Rumjanzeva sp. nov., × 90, . 794/46, , 19, - .
 8. *Eostaffella aff. parastruvei var. suranensis* Reitlinger, × 90, . 794/47, 103/15, - .
 9. *Eostaffella compressa* Brazhnikova, × 70, . 794/48, 637/28 (1), , .
 10. *Eostaffella prisca* Rauser, × 70, . 794/49, 637/14 (5), , .
 11. *Millerella aff. aperta* Grozdilova et Lebedeva, × 80, . 794/50, 637/14 (4), - .
 12. *Millerella cf. donetziana* Potievskaja, × 90, . 794/51, 103/15(2), , .
 13. *Eostaffella ovoidea statuta* Reitlinger, × 70, . 794/52, 1401/196 (4), , .
 14. *Plectostaffella uinskaja* Rumjanzeva sp. nov., × 70, . 794/53, , 19, - .
 15, 16. *Plectostaffella binominata* Rumjanzeva sp. nov., × 90: 15 — . 794/54, III-18 (2); 16 — 794/55, III-18 (4); .
 17. *Plectostaffella cf. varvariensis* (Brazhnikova et Potievskaja), × 90, . 794/56, a III-19 (3), .
 18, 19. *Plectostaffella posochovae* Rumjanzeva sp. nov., × 90: 18 — 794/57, , II-39; 19 — 794/58, II-17 ; .
 20. *Plectostaffella quadrata* Rumjanzeva sp. nov., × 9, . 794/59, , III-19a (4), .

21. *Plectostaffella talassica* Rumjanzeva sp. nov., × 70, . 794/60, , 830/8, -
22. *Plectostaffella* sp., × 90, . 794/61, 637/31 (5), , . .
23. *Haplophragmina beschevensis* (Brazhnikova), × 55, . 794/62, 19 , , . .
24. *Parastaffella* aff. *subsphaerica* Ganelina, × 80, . 794/63, 103/15, , . .
25. *Globivalvulina kamensis* Reitlinger, × 90, . 794/64, 19 , , . .
26. *Tetrataxis* (*Globotetrataxis*) sp., × 55, . 794/65, 19 , , . .
27. *Bradyina* sp., × 55, . 794/66, 844 (355), , . .
- 28, 29. *Pseudoglomospira ulutchurica* Rumjanzeva sp. nov., × 55:28 — . 794/67, 596/12 (4),
; 29 — . 794/68, , 560/88 (2), ; -
30. *Plectostaffella sokolova* Rumjanzeva sp. nov., × 9, . 794/69, , III-18 (6).
31. *Haplophragmina angularis* Brazhnikova, × 55, . 794/70, 19 (1), , . .
32. *Pseudoglomospira karzhantavica* Rumjanzeva sp. nov., × 55, . 794/71, ,
560/106 (2), , . .

VIII

Plectostaffella posochovae, × 100

1. *Tetrataxis* sp. nov. N 1, . 794/72, III-19 (7), , . .
2. *Globivalvulina?* sp. indet., . 794/73, III-18 (9), , . .
3. *Globivalvulina* ex gr. *granulosa* Reitlinger, . 794/74, III-17 (1), , -
- 4, 5. *Globivalvulina bulloides* Brady: 4 — . 794/75, III-17 (2); 5 — . 794/76,
III-17 (2);
6. *Endothyra bowmani* Phillips, . 794/77, III-196 (6), , . .
7. *Endothyra parapriscia* Schlykova, . 794/78, III-19 (5), , . .
8. *Eostaffella* ex gr. *ikensis* Vissarionova, . 794/79, III-196 (2), , . .
9. *Eostaffella proikensis* Rauser, . 794/80, III-196 (2), , . .
10. *Plectoostaffellina prima* Rumjanzeva sp. nov., . 794/81, , 103/14 (2), -
- 11, 13. *Endotaxis baschkiricus* Rumjanzeva sp. nov.: 11 — . 794/82, , III-21 (2);
13 — . 794/84, III-21 (1);
12. *Endotaxis* aff. *planiformis* Brazhnikova, . 794/83, III-21 (6), , -
14. *Eostaffellina* aff. *actiosa* Reitlinger, . 794/85, 1400/1 (2), , . .
15. *Parastaffella utkaensa* Postojalko, . 794/86, III-20 (6), , . .
16. *Archaeodiscus* ex gr. *convexus* Grozdilova et Lebedeva, . 794/87, 1400/5 (1), -
17. *Neoarchaeodiscus incertus* (Grozdilova et Lebedeva), . 794/88, III-20 (3), -
18. *Neoarchaeodiscus postrugosus* (Reitlinger), . 794/89, III-20 (3), , -
- 19, 20. *Archaeodiscus* sp.: 19 — . 794/90, 100/17; 20 — . 794/91, 100/17 (5);
21. *Monotaxinoides grandis* (R. Ivanova), . 794/92, 354/67 (4), , -
22. *Monotaxinoides convexus* Brazhnikova, . 794/93, 560/74 (6), , . .
23. *Monotaxinoides subplanus* (Brazhnikova et Jarzeva), . 794/94, 560/74 (4), , . .

IX

Plectostaffella bogdanovkensis ()

1. *Endothyra pseudobradyi* Brazhnikova, × 55, . 794/98, III-24 (1), , -
2. *Eostaffella postmosquensis* Kireeva, × 70, . 794/99, 1401/20 (2), . .
3. *Eostaffella angusta* Kireeva, × 80, . 794/100, III-22 (3), , . .
4. *Eostaffella* cf. *pseudoovoida* Reitlinger, × 70, . 794/101, III-22 (6), , . .

5. *Millerella concinna* Potievskaja, × 70, . 794/102, 550/1 (3),
6. *Eostaffella* sp., × 90, . 794/97, III-22 (5),
- 7, 8. *Plectostaffella serpuchovia* Rumjanzeva, sp. nov., × 90: 7 — . 794/103, III-22 (6);
8 — . 794/104, III-22 (3);
9. *Plectostaffella karsakensis* Kulagina sp. nov., × 90, . 794/105, III-24 (2), -
- 10, 11. *Plectostaffella chomatifera* Rumjanzeva sp. nov., × 90: 10 — . 794/106, 550/4 (4);
11 — . 794/107, III-28 (10);
12. *Plectostaffella cuboides* (Rumjanzeva), × 90, . 794/108, 550/12 (4),
- 13, 14. *Plectostaffella ignorabilis* Rumjanzeva sp. nov., × 70: 13 — . 794/109, III-19 (1),
; 14 — . 794/110, III-22 (6);
15. *Plectostaffella* cf. *varvariensis* (Brazhnikova et Potievskaja), × 80, . 794/111, III-22 (1),
16. *Plectostaffella ispaica* Rumjanztva sp. nov., × 70, . 794/112, 550/1 (4), -
17. *Plectostaffella* ex gr. *posochovae* Rumjanzeva, × 90, . 794/113, III-23 (14),
18. *Neoarchaediscus rugosimilis* (Brenckle), × 80, . 794/115, III-21 (9),
19. *Asteroarchaediscus turbulenta* sp. nov., × 90, . 794/114, III-22 (1),
20. *Neoarchaediscus incertus* (Grozdilova et Lebedeva), × 80, . 794/116, III-22 (4), -
21. *Neoarchaediscus parvus* (Rauser), × 80, . 794/117, III-29 (3), -
- 22, 23. *Archaediscus* ex gr. *variabilis* Reitlinger, × 90: 22 — . 794/118, III-29 (3); 23 —
. 794/119, III-29 (1);
24. *Glomospira* sp., × 70, . 794/120, III-22 (7),
25. *Eoliodiscus donbassicus* Reitlinger, × 90, . 794/121, III-28 (4), -
26. *Bradyina* aff. *venusta* Reitlinger, × 55, . 794/122, III-22 (5), -
27. *Bradyina cribristomata* Rauser et Reitlinger, × 55, . 794/123, III-23 (13), -
28. *Globivalvulina bulloidas* (Brady), × 70, . 794/124, III-24 (3), -
29. *Rugosoarchaediscus* cf. *timefactus* (R. Ivanova), × 90, . 794/125, III-29 (2),
30. *Haplophragmina lata* Brazhnikova, × 55, . 794/126, III-24 (10), -
31. *Plectostaffella geliusia* Rumjanzeva sp. nov., × 70, . 794/142, 351/31 (2),

X

Plectostaffella bogdanovkensis ()

- 1, 2, 4. *Plectostaffella jachakia* Rumjanzeva sp. nov., × 80: 1 — . 794/127, III-33 (4), -
; 2 — . 794/128, 1401/20 (2), -
; 4 — . 794/130, III-31 (2),
3. *Plectostaffella* ex gr. *varvariensis* (Brazhnikova et Potievskaja), × 70, . 794/129,
1401/20 (7),
5. *Plectostaffella* cf. *jakhensis* Reitlinger, × 90, . 794/131, 1401/20 (2), -
6. *Parastaffella* sp., × 70, . 794/132, 1401/20 (3),
7. *Plectostaffella* sp. nov. N I, × 90, . 794/133 III-32 (3), -
- 8, 9. *Plectostaffella ugamella* Rumjanzeva sp. nov., × 70: 8 — . 794/134, III-36 (6);
9 — . 794/135, III-33 (1);
10. *Plectostaffella* aff. *berestovens* Brazhnikova et Vdovenko, × 80, . 794/136,
III-33 (5),
11. *Plectostaffella asiatica* Rumjanzeva sp. nov., × 70, . 794/137, 1401/20 (9), -
12. *Parastaffella* sp., × 90, . 794/138, III-30,

- 13–15. *Plectostaffella ovalis* Rumjanzeva sp. nov., × 90: 13 — 794/139, III-33 (3); 14 — 794/140, III-30 (6); 15 — 794/141, III-33 (1); -
17. *Plectostaffella indefinita* Rumjanzeva sp. nov., × 90, 794/144, III-30 (1), -
18. *Plectostaffella ignorabilis* Rumjanzeva sp. nov., × 90, 794/143, III-31 (1), -
19. *Plectostaffella* sp., × 90, 794/145, III-32 (8), -
- 20, 21. *Plectostaffella* ex gr. *bogdanovkensis* Reitlinger, × 90: 20 — 794/146, 100/22 (1); 21 — 794/147, 100/22 (2); -
22. *Eostaffella kanmerai* Igo, × 90, 794/148, 1401/20 (7), -
- 16, 23–26. *Plectostaffella* ex gr. *ovalis* Rumjanzeva sp. nov., × 90: 16 — 794/292, 309 (6), 23 — 794/149, 1401/20 (3); 24 — 794/151, 100/22 (1); 25 — 794/152, 100/22 (5); 26 — 794/153, 100/22 (3); -
27. *Globivalvulina minima* (Reitlinger), × 80, 794/154, 1401/23 (3), -
28. *Endotaxis angusta* Rumjanzeva sp. nov., × 80, 794/155, III-35 (6), -
29. *Eolasiiodiscus donbassicus* Reitlinger, × 80, 794/156, 100/22 (1), -
30. *Mediocris breviscula* (Ganelina), × 90, 794/157, 1401/23 (3), -

XI

Plectostaffella bogdanovkensis ()

1. *Endothyra* sp. nov., × 70, 794/158, 1401/20 (2), -
2. *Semiendothyra* cf. *surenica* Reitlinger, × 90, 794/159, III-30 (4), -
3. *Endothyra* sp., × 90, 794/160, III-33 (2), -
4. *Endothyra* (*Rectoendothyra*) cf. *priscoidea* Brazhnikova, × 70, 794/161, III-30 (2), -
- 5, 6. *Eostaffella nauvalia* Rumjanzeva: 5 — × 80, 794/162, 1401/20 (1), -
; 6 — × 70, 794/163, VII-57a, -
7. *Eostaffella* ex gr. *acuta* Grozdilova et Lebedeva, × 90, 794/164, III-33 (5), -
8. *Eostaffellina* ex gr. *paraprotvae* (Rauser), × 70, 794/165, 100/22 (3), -
- 9, 10. *Eostaffella* aff. *cooperi* D. Zeller, × 90: 9 — 794/166, III-22 (2); 10 — 794/167, III-30 (6); -
11. *Eostaffella kireevae* Rumjanzeva sp. nov., × 90, 794/168, III-33 (4), -
12. *Millerella* ex gr. *umbilicata* Kireeva, × 80, 794/169, III-30 (6), -
13. *Millerella concinna* Potievskaja, × 70, 794/170, 550/1 (1), -
14. *Eostaffellina* sp., × 70, 794/171, 100/22 (2), -
15. *Plectostaffella varvariensisformis* Brazhnikova et Vdovenko, × 80, 794/172, III-33 (3), -
16. *Plectostaffella* cf. *baisultanica* Reitlinger, × 90, 794/173, III-32 (9), -
17. *Plectostaffella* cf. *lata* Brazhnikova et Vdovenko, × 70, 794/174, 100/22 (5), -
18. *Plectostaffella* cf. *bogdanovkensis* Reitlinger, × 90, 794/175, III-33 (8), -
19. *Asteroarchaediscus rugosus* (Rauser), × 90, 794/176, III-31 (2), -
20. *Asteroarchaediscus* ex gr. *baschkiricus* (Krestovnikov et Theodorovich), × 90, 794/177, III-33 (3), -
21. *Bradyina* cf. *subita* Malachova, × 40, 794/178, 1401/23 (2), -
22. *Eolasiiodiscus donbassicus* Reitlinger, × 70, 794/179, III-33 (9), -

23. *Endotaxis brazhnikovae* (Bogusch et Juferev), × 90, . 794/180, III-35 (6),
 24. *Globivalvulina* sp., × 70, . 794/181, III-33 (6),
 25. *Globivalvulina moderata* Reitlinger, × 70, . 794/182, III-36 (3),
 26. *Mediocris breviscula* (Ganelina), × 90, . 794/183, III-31,

XII

Plectostaffella sylvatica

1. *Endothyra* sp. indet. × 55, . 794/184, II-57,
 2. *Endothyra* cf. *similis* Schlykova, × 70, . 794/185, 829/6,
 3. *Endothyra* *baschkirica* Potievskaja, × 90, . 794/186, 829/10 (4),
 4, 5. *Semiendothyra ugamella* Rumjanzeva sp. nov., × 90: 4 — . 794/187, III-34 (3); 5 —
 . 794/188, III-35 (8);
 6. *Eostaffella ulutchurica* Rumjanzeva, × 90, . 794/189, III-34 (4),
 7. *Eostaffella postmosquensis acutiformis* Kireeva, × 90, . 794/190, III-35 (8),
 8. *Eostaffella postmosquensis* Kireeva, × 80, . 794/191, 637/39 (3),
 9, 10. *Millerella* sp. indet., × 70: 9 — . 794/192, III-36 (2),
 ; 10 — . 794/193, 1401/28 (5),
 11. *Millerella* cf. *kasakhstanica* Rauser, × 60, . 794/194, 830/19,
 12–14. *Plectostaffella evolutica* (Rumjanzeva), × 90: 12 — . 794/195, III-36 (2),
 ; 13 — . 794/196, 103/24 (2),
 14 — . 794/197, III-6 (9),
 15. *Millerella umbilicata* Kireeva, × 80, . 794/198, 830/19 (1),
 16. *Plectostaffella adelungia* Rumjanzeva sp. nov., × 90, . 794/199, III-34 (10),
 17, 18. *Plectostaffella* aff. *obtusa* Reitlinger, × 90: 17 — . 794/200, 637/37 (2),
 ; 18 — . 794/201, III-36 (10),
 19. *Plectostaffella* ex gr. *varvariensis* (Brazhnikova et Potievskaja), × 90. . 794/202,
 III-36 (6),
 20. *Plectostaffella irregularia* Reitlinger, × 90, . 794/203, 19,
 21. *Plectostaffella seslavica* (Rumjanzeva), × 80, . 794/203, 103/29 (6),
 22. *Eostaffella ovoidea* var. *statuta* Reitlinger, × 70, . 794/204, 103/26 (4),
 23. *Plectostaffella longiscula* Rumjanzeva et O. Orlova, × 90, . 794/205, III-36 (1),
 24. *Parastaffella* aff. *umbo* Rosovskaja, × 90, . 794/206, 829/9 (1),
 25, 26. *Endotaxis angusta* Rumjanzeva sp. nov., × 70; 25 — . 794/207,
 III-38 (6); 26 — . 794/208, III-35 (6);
 27. *Endotaxis baschkirica* Rumjanzeva sp. nov., × 70, . 794/209, 829/11 (13),
 28, 29. *Endotaxis* sp., × 70: 28 — . 794/210, III-36 (3); 29 — . 794/211,
 III-35 (6);
 30. *Haplophragmina duanitavica* Rumjanzeva sp. nov., × 55, . 794/212,
 1401/24 (1),

XIII

Semistaffella variabilis

1. *Eostaffella* ex gr. *pseudotruevi* (Rauser et Beljaev), × 90, . 794/213, III-39 (1),
 2. *Eostaffella* cf. *nauvalia* Rumjanzeva, × 90, . 794/214, III-39 (1),
 3, 4. *Eostaffella acuta* Grozdilova et Lebedeva, × 90: 3 — . 794/215, III-38 (7); 4 —
 . 794/216, III-38 (10);
 5. *Plectostaffella* aff. *uinskaja* Rumjanzeva sp. nov., × 70, . 794/217, 103/24 (13),
 6. *Plectostaffella* ex gr. *varvariensis* (Brazhnikova et Potievskaja), × 90, . 794/218,
 III-39 (3),

7. *Millerella?* aff. *umbilicata* Kireeva, × 90, . 794/219, III-39 (7),
8. *Plectostaffella bogdanovkensis* Reitlinger, × 90, . 794/220, III-36 (1),
9. *Plectostaffella* sp., × 90, . 794/221, III-39 (9),
10. *Endothyranopsis* (?) sp., , × 55, . 794/222, 1401/27 (3),
11. *Semistaffella* cf. *primitiva* Reitlinger, × 70, . 794/223, 637/46 (8),
- 12, 13. *Semistaffella* sp.: 12 — × 70, . 794/224, 1401/27 (1),
; 13 — × 90, . 794/225, III-39 (6),
14. *Neoarchaediscus postrugosus* (Reitlinger), × 90, . 794/226, 1401/28 (3),
15. *Neoarchaediscus bykovensis* Sosipatrova, × 90, . 794/227, III-38 (10),
16. *Neoarchaediscus* ex gr. *incertus* (Grozdilova et Lebedeva), × 90, . 794/228, III-38 (4),
17. *Neoarchaediscus* sp. indet., × 90, . 794/229, III-38 (9),
- 18, 21. *Biseriella* cf. *minima* (Reitlinger), × 90: 18 — . 794/230, 1401/39 (3),
; 21 — . 794/233, III-39 (2),
- 19, 20. *Globivalvulina* sp., × 70: 19 — . 794/231, III-36 (7); 20 — . 794/232,
550/9 (1);
22. *Globivalvulina* cf. *granulosa* Reitlinger, × 90, . 794/234, 1401/39 (3),
- 23–25. *Globivalvulina bulloides* (Brady), × 90: 23 — . 794/235, 1401/27 (2),
; 24 — . 794/236, III-39 (7); 25 — . 794/237,
III-36 (2);
- 26, 27. *Globivalvulina* sp., × 90: 26 — . 794/238, III-36 (3); 27 — . 794/239,
III-39 (7);

X I V

Semistaffella variabilis

1. *Endothyra* sp. indet., × 90, . 794/240, 1400/19 (7),
- 2, 3, 6. *Endothyra* cf. *phrissa* (D. Zeller), × 90: 2 — . 794/241, 1400/19 (3); 3 —
. 794/242, 1401/28 (1); 6 — . 794/243, 1401/32 (2);
4. *Piano Endothyra spirilliniformis* (Reitlinger), × 90, . 794/244, 1400/19 (6),
5. *Endothyra* sp., × 90, . 794/245, 1401/28 (2),
- 7, 8. *Eostaffella parastruvei* Rauser forma *recta*, × 90: 7 — . 794/246, 1400/19 (9);
8 — . 794/247, 1400/19 (2);
9. *Eostaffella* cf. *constricta* Ganelina, × 90, . 794/248, 1400/20 (4),
- 10, 11. *Plectostaffella limata* Rumjanzeva sp. nov., × 90: 10 — . 794/249, III-39 (6);
11 — . 794/250, III-39 (3);
12. *Plectostaffella* ex gr. *varvariensis* Brazhnikova et Potievskaja, × 90, . 794/251,
1400/10 (2),
13. *Plectostaffella* ex gr. *bogdanovkensis* Reitlinger, × 90, . 794/252, III-39 (6),
14. *Mediocris evolutis* Rosovskaja, × 90, . 794/253, 550/33 (3),
15. *Plectostaffella grandissima* Rumjanzeva sp. nov., × 90, . 794/254, , III-38 (7),
- 16, 17. *Semistaffella* sp. indet., × 70: 16 — . 794/255, 1400/19 (3); 17 — .
794/256, 1400/10 (2);
- 18, 28. *Plectostaffella akkujlukia* Rumjanzeva sp. nov., × 90: 18 — . 794/266, III-38 (1),

- ; 28 — . 794/267, , III-39 (6); -
19. *Eostaffella prisca* Rauser var. *setella* Ganelina, × 70, . 794/257, 1400/19 (5), -
20. *Plectostaffella savitskaja* Rumjanzeva sp. nov., × 70, . 794/258, , 637/44 (2), -
21. *Mediocris breviscula* Ganelina, × 90, . 794/259, 1400/23 (1), ,
22. *Neoarchaediscus postrugosus* (Reitlinger), × 90, . 794/260, III-34 (9),
- 23, 24. *Semistaffella ex gr. variabilis* (Reitlinger), × 70: 23 — . 794/261, 1401/34 (2),
; 24 — . 794/262, 829/10,
- 25, 26. *Semistaffella variabilis* (Reitlinger), × 90: 25 — . 794/263, 1401/29; 26 — .
794/264, 1401/29 (3);
27. *Plectostaffella uzbekistanica* Rumjanzeva sp. nov., × 90, . 794/265, , III-39 (2),
29. *Neoarchaediscus ex gr. incertus* (Grozdilova et Lebedeva), × 70, . 794/268,
1401/30 , , ,

XV

Pseudostaffella antiqua *Pseudostaffella praegorskyi*

1. *Pseudostaffella antiqua* (Dutkevitch) var. *commutabilis* Reitlinger, × 60, . 794/269,
550/33 (2),
2. *Ozawainella cf. aurora* Grozdilova et Lebedeva, × 80, . 794/270, 1401/32 (4), -
3. *Eostaffella aff. ovaliformis* Melnikova, × 60, . 794/271, 1401/34 (2), -
4. *Eostaffellina aff. paraprotvae* (Rauser), × 60, . 794/272, 1401/32 (2), -
5. *Eostaffella aff. attenta* (Ganelina), × 80, . 794/292, 42/10 , ,
6. *Eostaffella ex gr. ovaliformis* Melnikova
× 60, . 794/273, 1401/29 (3), ,
- 7, 8. *Plectostaffella sp. indet.*
- Eostaffellina Plectostaffella Semistaffella*, × 80: 7 — . 794/274, 1401/29 (2); 8 —
794/275, 1400/8 (1);
9. *Plectostaffella ex gr. varvariensis* Brazhnikova et Potievskaja, × 90, . 794/276,
1401/29 (2),
10. *Semistaffella ex gr. variabilis* (Reitlinger), × 75, . 794/277, 1401/37 (1), -
- 11–13. *Semistaffella sp.*, × 80: 11 — . 794/278, 1401/34 (2); 12 — . 794/279,
1401/34 (3); 13 — . 794/280, 1401/29 (1);
- 14, 15. *Profusulinella? ex gr. staffellaeformis* Kireeva, × 60: 14 — . 794/281, 1400/8 (4);
15 — . 794/282, 1400/23 (1);
- 16, 17. *Profusulinella? sp.*, × 60: 16 — . 794/283, 1400/23 (2); 17 — . 794/284,
1400/23 (1);
- 18, 19. *Profusulinella staffellaeformis* Kireeva, × 60: 18 — . 794/285, 1400/23 (5);
19 — . 794/286, 1400/23;
20. *Endotaxis angusta* Rumjanzeva sp. nov., × 90, . 794/293, 835/49, -
- 21, 22. *Asteroarchaediscus ex gr. baschkiricus* Krestovnikov et Theodorovich, × 100: 21 — .
794/287, 1401/38 (1); 22 — . 794/288, 1401/40 (3); , -
23. *Asteroarchaediscus cf. ovoides* (Rauser), × 90, . 794/289, 1401/39 (2), -
24. *Monotaxinoides gracilis* Dain, × 100, . 794/290, 550/35 (1), ,
25. *Monotaxinoides sp.*, × 100, . 794/291, 550/35 (5), ,

XVI

- 1, 10. *Kirkbyina tenella* N. Kotchetova, sp. nov.: 1 — 68-26, 1-97, ; 10 — 66-27, . 04/1,
 2. *Limnoprimitia arcuata* (Bean), 66-26, . 11,
 3, 12. *Javatus ksilensis* (Kotchetkova): 3 — 66-1, . 03, ; 12 — 68-1, . 422,
 4, 7. *Coeloenellina serotina* Kotschetkova: 4 — 68-3, -637, . 845, idem; 7 — 66-3, . 11,
 5. *Fellerites gratus* N. Kotchetova et Vakula sp. nov., 66-19, . 2140, idem.
 6. *Anahuacia rara* N. Kotchetova, sp. nov., 66-121, . 14,
 8. *Coeloenellina ultima* Kotschetkova, 66-6, . 17,
 9. *Pseudoparaparchites celsus*. N. Kotchetova, 6648, . 2740,
 11. *Libumella* sp., 66-12, . 73/7, idem.

XVII

1. *Kirkbyella asiatica* N. Kotchetova, sp. nov., 68-4, . 1-97,
 2-5. *Kirkbyella clara* N. Kotchetova, sp. nov.: 2 — 68-9, jun.; 3 — 68-5, ; 4 — 68-6, (); 5 — 68-7, ();
 ; -637, . 843, idem.
 6. *Hollinella* cf. *radlerae* (Harlton), 68-11, -637, . 851,
 7-9. *Gortanella rumjancevae* N. Kotchetova, sp. nov.: 7 — 68-14 ♂, ; 8 — 68-169; 9 — 68-13 ♀, . 1-97,
 10-12. *Janischewskya sublevigata* N. Kotchetova, sp. nov.: 10 — 68-23 ♂; 11 — 68-21 ♀, ; 12 — 68-20 ♀, idem.

XVIII

1. *Kellettina* sp., 66-32; . 76/3,
 2. *Kellettina?* sp., 68-30, -637, . 851,
 3, 4. *Amphissites centronotus* (Ulrich et Bassler): 3 — 68-44; 4 — 68-45; -637, . 851,
 5. *Kirkbya kellettae* Harlton, 68-24, . 1-68,
 6. *Kirkbya* sp., 66-23, . 76/3,
 7, 8, 11. *Amphissites* sp.: 7 — 68-39; 8 — 68-42; 11 — 68-43, jun.; . 1-88,
 9, 10. *Kirkbya punctata* Kellett: 9 — 68-29, jun.; 10 — 68-28; -637, . 843,
 12. *Amphissites* aff. *centronotus* (Ulrich et Bassler), 66-24, . 76/3,
 13. *Kirkbya* sp., 68-27, . 1-97,
 14-16. *Ectodemites planus* Cooper: 14 — 66-25; 15 — 66-29, jun.; . 04/1, ; 16 — 68-31, . 1-97,

XIX

- 1-3. *Idiomorphina subsimplex* N. Kotchetova, sp. nov.: 1 — 66-34 ♂, . 11, ; 2 — 68-53 ♂, ; 3 — 68-52 ♀, . 1-97,

- 4, 5. *Idiomorphina tumida* (Croneis et Thurman): 4 — 68-55 ♀; 5 — 68-56 ♂;
 , -830, 10,
 6-11, 13. *Ectodemites tumidus* Cooper: 6 — 66-206 (. 76/3); 7 — 66-207
 (. 74/3); ; 8 — 68-33, -637, . 843,
 ; 9 — 68-35, . 852, ;
 10 — 68-37, jun, . 1-88, ; 11 —
 68-32, -637, . 843, idem; 13 — 68-34, . 851,
 12. *Ectodemites* sp., . 66-208, . 74/3,

XX

- 1, 2. *Roundyella uensis* N. Kotchetova, sp., nov.: 1 — 68-66, , -103,
 . 20, ; 2 — 68-69, -637, . 851 .
 3-5. *Roundyella subaculeata* N. Kotchetova, sp., nov.: 3 — 68-65, , -637, . 842,
 ; 4 — 68-64, , . 1-97, idem;
 5 — 66-209, . 03,
 6, 7. *Cavellina ventrosa* N. Kotchetova, sp. nov.: 6 — 66-74, ; 7 — 68-73, -
 ;
 8. *Cavellina rotunda* Cooper, . 1-97, , -637, . 843,
 9, 10, 16, 17. *Sulcella tjanshanica* N. Kotchetova, sp. nov.: 9 — 68-75, ; 10 —
 . 68-76, ; 16 — 68-77, jun, ; -830, 10,
 ; 17 — 68-78, jun, , -637, . 851, idem.
 11, 12. *Knoxiella dubiosa* N. Kotchetova, sp. nov.: 11 — 68-49, ; 12 — 68-50,
 ;
 . 1-97,
 13-15. *Perprimitia digna* N. Kotchetova, sp. nov.: 13 — 66-210, . 11, -
 ; 14 — 68-46, ; 15 — 68-47, ; -
 , -637, . 843,

XXI

1. *Shivaella evidens* Kotschetkova, . 6645, . 04/1, .
 2, 3. *Shivaella asselica* Jagudina: 2 — 68-81 ♀, 3 — 68-82 ♂;
 . 1-97, .
 4. *Chamishaella exigua* (Cooper), 68-84, , -637, . 843, -
 .
 5. *Polycope? rugosa* Kotschetkova, . 66-38, - , . 49,
 6. *Shishaella? subsymmetrica* (Kotchetkova), × 30, 68-80, , -637, . 843,
 7. *Shishaella harltoni* (Bradfield), 68-79, , -637, . 843, idem.
 8. *Shishaella claytonensis* (Knight), . 66-62, , . 11, .

XXII

1. *Dorsoobliquella ovalis* Kotschetkova, . 66-52, , . 03, .
 2. *Microcoeloenella orbiculata* Kotschetkova, . 66-51, , . 41, -
 .
 3. *Ardmorea gibberosa* (Knight), . 66-53, , . 04/1, .
 4. *Pseudobythocypris centralis* (Coryella et Billings), 68-88, , -637,
 . 851 ,
 5. *Discoideella perspicua* Kotschetkova, . 66-39, , . 10, -
 .
 6. *Bolbozoella inflata* Gründel, 66-71, , . 04/1, -
 .
 7. *Pseudobythocypris pediformis* (Knight), 68-87, , -637, . 851 , -
 .
 8. *Bolbozoella* sp. 1, . 66-73, - , . 43, .
 9. *Bolbozoella nodosa* Robinson, 66-72, - , . 44, .
 10. *Shishaella circinata* N. Kotchetova, sp. nov., . 66-40, , , . 11, -
 .
 11. *Chamishaella opima* Kotschetkova, 68-83, , , . 422, .

XXIII

1. *Healdia amanda* N. Kotchetova, sp. nov., . 68-85, , , -637, . 843,
2. *Aurigerites solitarius* N. Kotchetova, . 66-116, , , . 14, -
- 3, 7. *Healdia ikensis* N. Kotchetova, sp. nov.: 3— . 66-68 (. 76/3), ; 7— . 66-66
(. 74/3), ;
4. *Rectionaria ovata* N. Kotchetova, sp. nov., . 66-96, , , . 14 ,
5. *Orthonaria insolita* Kotschetskova et N. Kotchetova, sp. nov., . 66-98, , -
. 2740,
6. *Healdia vera* N. Kotchetova, sp. nov., . 68-86, , , -637, . 851 , -
8. *Healdia maturica* N. Kotchetova., . 66-57, , , . 14,
9. *Rectionaria sholaksajensis* N. Kotchetova, sp. nov., . 66-91, , - , . 50,
10. *Healdia uralica* N. Kotchetova, sp. nov., . 66-60, , , . 76/3,
11. *Rectoplacera explicata* N. Kotchetova, sp. nov., . 66-101, , , . 14, -

XXIV

1. *Rectoplacera differta* N. Kotchetova, sp. nov., . 66-106, , , . 12,
2. *Rectionaria accepta* N. Kotchetova, sp. nov., . 66-86, , ,
. 2740,
- 3, 5. *Triplacera (Necratera) imperspicua* N. Kotchetova, sp. nov.: 3— . 66-100, -
. 2740, ; 5— . 66-109, , , . 2, 4,
. 21,
- 4, 8. *Triplacera (Necrateria) immemorata* N. Kotchetova, sp. nov.: 4— . 66-114, , ,
. 2, 4, . 20, ; 8— . 66-112, , ,
. 2738,
- 6, 7. *Rectoplacera* sp. 1: 6 — . 66-100 (. 2738); 7 — . 66-103 (. 2740); -
9. *Carbonita? subquadrata* N. Kotchetova, sp. nov., . 66-78, , ,
. 2738,

XXV

1. *Bairdiocypris? ambigens* N. Kotchetova, sp. nov., . 66-83, , ,
. 03,
2. *Bairdia recta* Buschmina, . 66-124, , . 2731, .
- 3, 5. *Bairdiocypris subalia* N. Kotchetova, sp. nov.: 3 — . 68-93, , ,
. 1-84, ; 5— . 66-80, , , . 148,
4. *Polycope perminuta* (Kellett), . 66-37, - , . 46, .
6. *Gerodia lata* N. Kotchetova, sp. nov., . 66-146, , , . 2744,
idem.
- 7, 9. *Bairdiocypris laxus* N. Kotchetova, sp. nov., × 30: 7— . 66-82, , , -
. 2731, ; 9— . 66-85, , . 12, idem.
8. *Bairdia (Bairdia) cestriensis* var. *granulosa* Girty, . 66-126, , , . 11,

XXVI

1. *Bairdia (Bairdia) laklyensis* Kotschetskova, . 68-89, , , . 1-97,
2. *Bairdiocypris indiges* Kotschetskova, . 68-92, , -637, . 851 ,
3. *Bairdianellas* sp., . 66-134, , . 2, 4, . 19, .
4. *Bairdia (Bairdia) rustica* Kotschetskova, . 68-91, , , . 1-97,
5. *Acanthoscapha arguta* N. Kotchetova, sp. nov., . 66-139, , ,
. 2726,
6. *Basslerella firma* Kellett, . 66-142, , . 04/1, .
7. *Basslerella simonovae* Kotschetskova, . 66-141, , , . 76/3,
8. *Acanthoscapha limata* N. Kotchetova, sp. nov., . 66-137, , , . 14 , -

XXVII

1. *Bairdia* (*Bairdia*) aff. *chudolasensis* Kotschetkova, 68-90, , -103, , 20 ,
 2. *Acratia kiensis* N. Kotchetova, sp. nov., . 66-148, , , . 12, -
 3. *Bairdia* (*Bairdia*) *gibbus* Kotschetkova, . 66-135, , . 41, .
 4. *Aurigerites lunatus* N. Kotchetova, . 66-119, , , . 12, .
 5. *Macrocypris lenticularis* Cooper, . 66-201, - , . 49, .
 6. *Triceratina* sp., . 68-94, , -637, . 851 , -
 7. *Acratia demissa* Kotschetkova, . 66-147, , . 03, .
 8. *Bairdia* (*Bairdia*) *bogdanovkensis* N. Kotchetova, sp. nov., . 66-125, , ,
 . 04/1, .

× 45 (. XXVIII, XXXII), × 50 (. XXIX-XXXI)

XXVIII

- 1-3. *Gnathodus kiensis* Pazuhin, sp. nov.: 1 — . 104/487, ; 2 — . 104/488, ;
 3 — . 104/489, ; . 12,
 4-7. *Gnathodus bilineatus bilineatus* (Roundy): 4 — . 104/490, , . 12, -
 ; 5 — . 104/491, . 77/1. ; 6 — . 104/492.
 , . 14, idem.; 7 — . 104/493, , . 77, idem.
 8, 9, 12. *Gnathodus bilineatus bollandensis* Higgins et Bouckaert: 8 — . 104/494, - .
 . 46, ; 9 — . 104/495, , . 76/3, idem; 12 —
 . 104/389, , . 67, .
 10, 14. *Gnathodus bilineatus* sp. 1: 10 — . 104/496; 14 — . 104/497; - , . 46 ,
 11. *Gnathodus bilineatus* ssp. 2, . 104/498, , . 14, .
 13. *Gnathodus bilineatus* ssp. 3, . 104/499, - , . 46 , .

XXIX

- 1, 2. *Paragnathodus commutatus* (Branson et Mehl): 1 — . 104/500, , . 14 , -
 ; 2 — . 104/501, , . 74/9, idem.
 3, 4. *Paragnathodus mononodosus* (Rhodes, Austin et Druce): 3 — . 104/502. . 46; 4 —
 . 104/503, . 46 ; - ,
 5-8. *Paragnathodus monocostatus* Pazuhin et Nemirovskaya, sp. nov.: 5 — . 104/504, - ,
 . 46, ; 6 — . 104/505, . 79, -
 ; 7 — . 104/506, , . 74/3, ; 8 — . 104/507,
 , , . 2, . 21,
 9-12. *Paragnathodus costatus* Pazuhin et Nemirovskaya, sp. nov.: 9 — . 104/508, . 45; 11 —
 . 104/510, . 46, - , ; 10 — . 104/509, , -
 , . 70, ; 12 — . 104/511, , . 14, .
 13. *Paragnathodus nodosus* (Bischoff), . 104/512, - , . 45, .
 14. *Paragnathodus cruciformis* (Clarke), . 104/513, , . 74/3,
 15, 16. *Paragnathodus multinodosus* (Higgins): 15 — . 104/514; 16 — . 104/515; ,
 . 11 , .

XXX

1. *Declinognathodus* (?) sp., . 104/516, - , . 46 , .
 2-4, 7-10. *Declinognathodus noduliferus* (Ellison et Graves): 2 — . 104/517, . 75/1; 3 —
 . 104/518, . 74/10; 7 — . 104/519, . 74/9; , ,
 4 — . 104/520, . 79; 10 — . 104/415, . 78; ;
 8 — . 104/521, , . 8/4, ; 9 — . 104/522, - , . 48,
 5, 6, 11. *Declinognathodus inaequalis* (Higgins): 5 — . 104/418, , . 82, -
 ; 6 — . 104/523. , . 74/9, ; 11 —
 . 104/524, , . 5/4, .
 12-15, 17. *Declinognathodus japonicus* (Igo et Koike): 12 — . 104/525, . 80; 14 — .
 104/424, . 81; 15 — . 104/526, . 79; 17 — . 104/527, . 80; .
 ; 13 — . 104/528, - , . 47, idem.

16, 18–22. *Declinognathodus lateralis* (Higgins et Bouckaert): 16 — 104/529, 8/3;
; 18 — 104/530, 77/6; 19 — 104/531, 80; 22 —
104/532, 77/6; ; 21 — 104/427,
, 85, ; 20 — 104/533, - , 48, .

XXXI

1–4. *Rhachistognathus muricatus* (Dunn): 1 — 104/534, 7/4; 2 — 104/535, 7/4;
3 — 104/536, 5/2, ; 4 — 104/537, , 8/3,

5. *Rhachistognathus minutus* (Higgins et Bouckaert), 104/538, , 7/4,

6, 7. *Rhachistognathus* cf. *minutus* (Higgins et Bouckaert): 6 — 104/539, 8/1; 7 —
104/540, 8/1;

8–11, 16. *Idiognathoides sinuatus* Harris et Hollingsworth: 8 — 104/541, 81; 10 —
104/542, 81; 16 — 104/482, 81; ; 11 —
104/423, , 85, ; 9 — 104/543, - , 47,

12, 13. *Idiognathoides sulcatus* Higgins et Bouckaert: 12 — 104/481, , 162, -
; 13 — 104/544. - , 48, idem.

14, 15, 17. *Idiognathoides corrugatus* (Harris et Hollingsworth): 14 — 104/545, 81; 15 —
104/480, 81; , ; 17 — 104/546, - ,
. 47, idem.

18–20. *Neognathodus symmetricus* (Lane): 18 — 104/547; 19 — 104/548; 20 —
104/549; - , 48, .

21. *Idiognathoides* (?) sp., 104/550, , 81,

22. *Gnathodus* sp., 104/551, , 74/3, .

XXXII

1–3. *Cavusgnathus unicornis* Youngquist et Miller: 1 — 104/552 (— , — ,
, 75/1; 3 — 104/553 (— , — , —), 74/10;
; 2 — 104/554 (— , —). -
, 77/6,

4. *Mestognathus bipluti* Higgins, 104/555 (— , — , —), -
, 77/2,

5. *Adetognathus* sp., 104/556, , 7/4;

6, 7. *Adetognathus lautus* (Gunnel): 6 — 104/557 (— , —); 7 —
104/558; , 8/1,

(. . . , . . .)	3
.....	6
(. . . , . . . , . . .)	6
(. . . , . . . , . . .)	21
-	33
(. . .)	33
- (. . .)	44
- (. . . , . . .)	49
.....	60
(. . . , . . .)	60
(. . .)	73
(. . .)	87
(. . . , . . . , . . .)	89
.....	91
I-XXXII	96

CONTENTS

Introduction (<i>E.I. Kulagina, Z.S. Rumyantseva</i>)	3
South Urals	6
Characteristics of Type Sections (<i>E.I. Kulagina, V.N. Pazukhin, N.N. Kochetova</i>)	6
Biostratigraphy of Boundary Lower/Middle Carboniferous Deposits in the <i>South Urals</i> (<i>E.I. Kulagina, N.N. Kochetova, V.N. Pazukhin</i>)	21
Central Tien Shan	33
Biostratigraphy of Upper Serpukhovian/Lower Bashkirian Deposits in Central Tien Shan (<i>Z.S. Rumyantseva</i>)	33
Ostracodes in Lower Bashkirian Deposits of Central Tien Shan (Karzhantau) (<i>N.N. Kochetova</i>)	44
Correlation of boundary Lower/Middle Carboniferous Deposits in the South Urals and Central Tien Shan (<i>Z.S. Rumyantseva, E.I. Kulagina</i>)	49
Description of Organic Fossils	60
Foraminifers (<i>Z.S. Rumyantseva, E.I. Kulagina</i>)	60
Ostracodes (<i>N.N. Kochetova</i>)	73
Conodonts (<i>V.N. Pazukhin</i>)	87
Conclusions (<i>E.I. Kulagina, Z.S. Rumyantseva, V.N. Pazukhin</i>)	89
References	91
Explanations for Plates I –XXXII	96

