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(561:581.33) :551.763/ (477)

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XIX

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[96, 97, 98],	[25],	[131],	[94],
[86],	[44],	[79, 147],	[16],
[13, 36, 38, 110],	[90, 91, 92],	[94],	[10,39—51,67,
80, 121]			

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[52].

Berriaseila bolster i.

Berriaseila pontica

92]..

[51, 66,

dophytus, Pinaceae, Podocarpaceae
iis.

Gtnkgocyc-
Ciassopol-

stsporites, Appendicisporites, Trilobosporites, Klukisporites.

Cicatrico-

<p.Plicifera, p.Gleicheniidites),
rites, Concavisporites, Cyathidites, Leptolepidites.

Matonispo-

[62—64, 89].

()

Schizaeaceae Trilobosporites, Cicatricosisporites, Appendicisporites,

10—15%. Bennettitales, Ginkgocycadates, Pinaceae, Podocarpaceae. Cycadaceae; Classopollis

(147). ()

Appendicisporites, Klukisporites. Trilobosporites, Cicatricosisporites,

Classopollis (50 %),

[62, 63, 89].

Appendicisporites, Trilobosporites, Klukisporites. Cicatricosisporites,

Podocarpaceae Pinaceae. Classopollis.

()

Triobosporites

Cicatricosisporites, Appendicisporites,

Clasopoliis.

Bennettitales,

Pinaceae, Podocarpaceae, Caytoniaceae.

Cycadaceae, Ginkgoaceae,

Schizaeaceae.

Clasopoliis.

Taurocuspites, Chomotrifetes, Coupensporites, Aequitrifidites.

Pinaceae, Podocarpaceae, Caytoniaceae.

Ginkgocycadaceae Classopoliis.
[92]

Matonisporites.
Classopoliis.

50 %

Leptofepidites
40 —

[44, 47, 50].

Schizaeaceae (22 %).

Triletesporites.
Gleichemaceae.

Classopoliis,

[63, 89].

Gleicheniaceae.
Murosporoides (Somers) . Vo-
ronova.
Schizaeaceae » ia-
ceae, Maron iaceae, Dipteridaceae, Poly pod iaceae,
Araucar iaceae, — Ginkgoaceae, Bennettitaceae, Cupressaceae,
Classopollis.
Podocarpaceae Cupressaceae.
Ginkgoaceae Bennettitaceae;
Classooollis.
Leptolepidites, Matonisporites, Concavisporites, Staplinisporites Chomotriletes
Pinaceae;
iis Classopol-

	Gleicheniaceae;	-
		-
Schizaeaceae;		-
Matomaceae, Dipteriaceae, Cyatheaceae	Dicksoniaceae,	-
		-
	Bennettitales Ginkgoaceae.	-
	Pinaceae.	-
		-
		-
Pollenites R. t n i , Tricolpopolienites R. t n i .		-
Murosporidales (Somers) . Voronova,		-
		-
		-
		-
	[92].	-
	Classopollis,	-
		-
		-
		-

LYCOPSIDA
 LYCOPSIDIALES
 LYCOPODIACEAE
 Lycopodiumsporites Thiergart, 1938

IV (bits 8j) .V v comb.nov.
 .1, .1

1962. *Lycopodium angulosum* Verbit ska) . :c. 82, .1, .8
 1963. *Lycopodiumsporites semimurus* Danz e-C orsinet Laveine. Danze-Corsin et Laveine:
 p. 79, pl. XVIII, fig. 12
 1965. *Lycopodium semimurus* Danz e-C orsinet Laveine. Gregor: p. 15, pl. III, fig. 46,49, 50
 1967. *Retitriletes globosus* Pierce. Schulz: s. 576, taf.IX, fig. 4—6

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1—1,5

1,5.

1—1,5

(28—35),

Lycopodiumsporites angulosus (Verb.)

M.V n v a comb. nov. *Lycopodiumsporites austroclav-*
atidites (Cookson) Potonie, *Lycopodiumsporites eminulus* Dettmann,
Lycopodiumsporites subrotundus (Kar a-M urza) Pocock

Tigrisporites scurrandus Nor-

i s [232, .91, pl.11, fig. 3—7],

3- [34],

Lycopodiumsporites.

357, 448,8—455,7

1, 389,3—390,9

484,

612,4—620,4

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. 430,7—436,3 1 ,
 () ; — ; — ; ;
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 Lycopodiumaparitoid Hedlund
 .1, .4

1964. Lycopodiumsporites sp. A. Singh: .41, pl.1, fig.11
 1966. Lycopodiumsporites crewmacerius Hedlund. Hedlund: .19, pl.3, fig1, a-c

tot 56
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 7 , , , 2—4 5.
 (50—61)

sporites. Lycopodium-
 vatidites (Cook-son) Fotonie Lycopodiumsporites austrocia-

5302, . 154,0—160,0
 . 0121, . 291,1—297,1
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Ly < « « D t i m • r t
 .1, .5

1960. Lycopodium aff. cleveum L., : .88, 6 > 3, .7
 1963. Lycopodiumsporites eminulus D e t m a n n. Dettmann: p.45—46, pi. VII, fig.8—12
 1967. Lycopodiumsporites reticuliumsporites (Rouse) Dettmann. Norris: s.90, pl.10, fig. 16—18

35
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 1—2) (1—2)
 1—1,5, 1 , , ,
 (7) .
 .10
 (27—39) ,

Reticulatisporites W I d and G re i
 f e 1 d [279, p.41, pl.10, fig.41, 43, 47]. Lycopodiumsporites eminulus Det-
 t m a n n Lycopodiumsporites
 aust'r oclavatifidites (Cookson) Potonie Lycopodium
 aft. undulatum L., [18, .82—83, . 1, .4],

.603,5—608,5
 .0121, .266,0—269,0
 .0123, .209—212

Lycopodiumsporites eminulus Couper
 .1, .6

1958. Lycopodiumsporites grithorpensis Couper. Couper: p.133, pl.15, fig.14—16
 1962. Lycopodiumsporites grithorpensis Couper. Pocock: p.33, pl.1, fig.9

30

2—2,5 ;

3—4

2,5—4,5,

(28—32).

Lycopodiumsporites grithor-
 pensis Couper P.Kynep [173]

[243],

Lycopodium [197]

Lycopodiumsporites grithorpensis Couper

VI,

XII, .7 — Collarisporites guscus Peak [176].

.505, .532,0—536

Lycopodium marginatum Kar a-M u z Singh

.1, .7

1954. Lycopodium marginatum Kar a-M u z .99—100, .16,

45

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*»

.357, .437,8—448,8
 .501, .633,7—641,7
 .518, .649,6—660,3

Lycopodiumsporites parvhnunn (Dorinj)M. Voronova comb. nov.

.1, .9

1965. *Retitriletes parvtmurus* Dorinj. DString: s.45, taf.XXI, fig.5—7

39

2/3 1/2 ;

(1)

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(30—48)

Lycopodiumsporites.

Lycopodiumsporites eminulus

Dittmann, *L. austroclavatoides* (Cookson) Potonié *L. subrotundus* (Kara-Murza) Pocock.

.577, .423,8—427,7
 .1, .389,3—390,9

LyceodiuflnaponWBMIbroHmdus (Kara-Murza) Pocock

.1, .10

1951. *Politusella* (*Dictiotriletes*) *subrotundus* Kara-Murza. Kape-Mypaa: Ta6n.VII6 .16,17

1956. *Lycopodium subrotundum* Kara-Murza. : .63, .VIII, .103, a-c

1956. *Lycopodium annotinum* Linne. Rogakka: p.19—20, pl.8, fig.4

1958. *Lycopodiumsporites clavatoides* Couper. Couper: p.132—133, pl.15, fig.11—13

1956. (?) *Permonolites reticulatus* Lanz, Lanz: p.924, pl.3, fig.32—33

1963. *Retitriletes subrotundus* (Kara-Murza in Kòil) Dorinj, Krutzsch, Mai et Schulz. Krutzsch: Lett. 11, s. 15

1967. *Retitriletes subrotundus* (Kara-Murza) Schulz: s.576, taf.IX, fig.7—9

1970. *Lycopodiumsporites subrotundus* (Kara-Murza) Pocock. Pocock: p.53, pl.9, fig. 18, 19

1970. *Retitriletes subrotundus* (Kara-Murza) Dorinj, Krutzsch, Mai et Schulz.

: .75, .1, .12, a, 6

40

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5,0—(6,0)—7,0

Murza) Schulz

Retitriletes subrotundus (Kara-

[17],

Lycopodium undulatum L.

Lycopodium annotinum L.,

Lycopodium i umspor i tes.

(33—45,5 /.

.547,

.957,9—964,8

538,

1237,4—1246,8

.238, .682,8—690,2

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Lycopodiacidites (Couper) Potonie

Lycopodiacidites becuaiatus Pocock

.1, .11

1962. Lycopodiacidites baculatus Pocock. Pocock; p.33—35, pl.1, fig. 10—11

1970. Lycopodiacidites baculatus Pocock, Pocock: p.62—63, pL12, fig.11

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(4—7),

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(39—81),

Lycopodiacidites bacalatus

Pocock

Lycopodiacidites bulierensis Couper)

Lycopodiacidites (Lycopodia-

[172, .26, fig.9],

[247],

[160].

Lycopodiumsporites

Lycopodiacidites.

Lycopodiacidites bulierensis Couper

Lycopo-

diacidites baculatus Pocock.

.547,

.951,6—957,95

Tigrporites Klaus, 80

1) Miunr—rtut Norris

.1, .12

1967. Tigrporitesscurrandus Norris: p.91, pl.11, fig.3—7

1971. Tigrisporites seurrandus Norris. Playford: p.536, pl.103, fig.18

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(23—)

Tigrsporites «eurrandus Norris

Srivastava, 1972

Tappen ope taébltchii Srivastava, [269, .84, pL29, f ig*4—6]

[269, .84,

Lycopodiumsporites,

LIAMJQ

.484, .70,1—672,5

.1, .382,0—385,4

Im ,Wb/

Balms

.1, .13

1357. FowaoKporites camhs a fme: Hehwe; .17, pl.1, fig. 15— 17

1980. Qptaegtosaum wnomanicwn Ch I on ova. : .30, . III, .13—16

1961 .Ophtogtosawn senomanicum Chlenova. Yntnioan e.49, : .IV, .30,30, a

1963. Foveomlétes subtriangulans Brenner. Brenner: p.62, pl.16, fig.2

1966. Fowoepontes çanal 6 a l m e. Stanley: p.240, pl .28, fig. 1—5

1966. Fow«np©rtesxf. F. cenahs a l rne. Gregor: pl JI, fig.27

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1,5.

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pseudoalveo fetus (Couper) M. Voronova comb. nov. Foveoti fetes

0 Foveosporites canalis a l m s [160],

Lycopodium verticillatum Knox [212]. [270]

[141] Ophioglossum lusitanicum L. Ophioglossum falcatum (Presl.) Fowler [261. s.26, t.2, fig.31—32],

Lycopodium appressum (D s v.) Petr. [135] Foveotriletes canalis Balme

Lycopodium (Lycopodium erythraeum Spring, Lycopodium rigidum Gmelin, Lycopodium subulatum D e s v a w), [231]. Foveosporites

Balme, 1957 Lycopodiaceae.

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Fcvsofpritasfistutaum (l ch.) . Voronova comb. nov.

.2, .14

1959. Ophioglossum fistulosum Bolchovitina. : .86, .1, .13

1966. Foveotriletes subtriangularis Brenner. Burger: p.246—247, pl.14, fig.1

1967. Sestrosporites pseudoalveolatus (Couper) Dettmann. Norris: p.96, pl.13, fig.8

1967. Foveosporites foveoreticulatus D 8 r i n g. Schulz; s.568—569, taf.Y, fig.7, 8

1967. Sestrosporites pseudoalveolatus (Coup.) Dettmann Archangelsky, Gamarro: p.212, pl.1, 6g-4

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— 4—5,

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— 2—2,5

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.10

(37-

57)

Foveosporites fistulosum (l h.) . Voronova comb. nov.

Foveosporites Balme (1957).

Foveosporites canalis (Balme) . Voronova comb. nov.

Foveosporites pseudoalveo fetus (Couper) M. Vorotova comb. nov.

Foveosporites fistulosum

(Bolchovitina) M. Voronova comb. nov. [166] Fove-

otritetes subterminalis Brenner,

Sestrosporites pseudoalveolatus (Couper)

Dettmann [232, 8]

.66, 165,5—173,8

.357, .448,8—455,7

Fawettsp^{ri}9s pmudeatonMees () . V v * « . nov.

.2, .15

- 1958. Cingulatisporites pseudoalveolatus Couper. Couper: p.147, pl.25,1 fig.5, 6
- 1964. Hymenozonocritetes pseudocalveolatus (Couper)Singh. Singh: p.83, pl.10, fig.1 — 3
- 1966. Foveosporites cyclicus Stanley. Stanley: p.241, pl.28. 6—10
- 1965. Vallizonosporites vallifoveatus Dořing. Dbring: s.60, taf.X 111, fig.1—2
- 1966. Vallizonosporites valhfoveatus Dořing. Burger; p.253, pl.21, fig.1
- 1971. Sestrosporites pseudoalveolatus (Couper) Dettmann. Playford: s.644, pl. 104, fig.27
- 1975. Valhzonosporites^p. Norvick and Burger: p.135,pt.25, fig.4

46

1-1,5

(2—3,5),

1—1,5

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4—6

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(37—58)

pseudoalveolatus* (Couper) Voronova comb. nov. Foveotritetes

Foveosporites alim, 1957.

win .5302,

160,0-166 ia ,

.484, .604,4—612,4

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() .

SELAGINELLALES

SELAGINELLACEAE

Selaginellidites Krasnova in Ssmoilovitch, 1961
 Seiagineilkfites to'nean (Chlonova) M. Voronova comb. tmv.
 .2, .16

1960. Selaginolla kemensis Chlonova : .23, .III, .8—9
 1961. Seiaginella kemensis Chlonova : .40, .25, .5—7
 1961. Seiaginella kemensis Chlonova et Krasnova : .32—33, .5,6,
 .2^, ., ., .4
 1962. Heliosporites altmarkensis Schulz. Schulz: s.311, taf.I, II, fig.9—11
 1963. Cingulatisporites reticinguius Brenner. Brenner: p.42, pi.4, fig.2, 3
 1965. Kraeuselisporites altmarkensis Schulz. Rioult et Levet-Carette: p.291, pl.XXV, fig.5—7
 1967. Heliosporites altmarkensis Schulz. Schulz: o.Sffi, taf.XY, fig. 1—3
 1968. Cingulatisporites reticinguius Brenner. Hedlund et Norris: pl.HI, fig.9
 1969. Heliosporites sp. Norris: p.592, pl. 108, fig. 7,8, TO, II
 1971. Lundbladispora reticingula (Brenner) Playford. Playford; p.548—549, pl.105, fig.8
 1972. Heliosporites kemensis (Chlonova) Srivastava. Srivastava: p.19, pl. 14, fig.3—13; pl. 15,
 fig. 1-13
 1975. Heliosporites kemensis Srivastava. Srivastava: p.43—44, pi.19, fig.5—9
 1981. Kraeuselisporites reissingeri (Harris, 1957) Morbey. Helmar: p.40, taf.10, fig.2—6

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2,5—4

2—10

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4,5,

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(35—45

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(164)

Cingulatisporites Thomson.

[239]

— Lundbladispora.

[260]

Hymenozonotri fetes Naumova

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Heliosporites

Schulz.

Pattellaspites echinatus Groot et Groot

Sefagipellidites kemensis

(Chlonova) Voronova comb. nov.

Selaginellidites Krasnova et Samoiloovitch,

1 Selaginellidites X. [170].

Sefaginella selaginoides (L.) Link.

:11010,

.407,2—411,2

.0123,

.214,0—218,2

Denssporites Weyland and Krieger, 1953

Denssporites velatus Weyland and Krieger

.2, .17

1953. Densoisporites velatus Weyland and Krieger: s.12, taf.4, fig.12—14
1956. Selaginella reclusa Bolchovitina. : c.67, .VIII, .113
1958. Densoisporites perinatus Couper. Couper; p.145, pl.23, fig.6—9
1958. Dictyosporites complex Cookson et Dettmann. Cookson et Dettmann: p.107, pl.18, fig.1
1961. Selaginella velata (Weyland et Krieger) Krasnov . : c.35—36, .7 .5—6
1961. Densoisporites perinatus Couper. X : .54, .VI, .38, 38, a
1963. Densoisporites microruguiatus Brenner. Brenner: p.61, pl.15, fig.6, pl.16, fig. 1
1963. Densoisporites perinatus Couper. Brenner: p.61, pl.16, fig.3
1963. Densoisporites regularis Danze-Corsinet Lavene. Danze; Corsinet Lavene: p.117, pl.XIX, fig.5
1965. Densoisporites perinatus Couper. Desk: p.63, pl.X, fig.1 — 3
1966. Densoisporites perinatus Couper. Levet-Carette: p.160, pl.XY, fig.10
1966. Densoisporites microruguiatus Brenner. Brenner: p.253, pl.22, fig.1,2; pl.23, fig.1
1966. Selaginella reclusa Bolchovitina. : .136, .72, .2
1967. Densoisporites microruguiatus Brenner. Norris: p.99, pl.14, fig.11
1967. Densoisporites velatus (Weyland et Krieger) Krasnova. Archangeiscky, Gamero: p.212, pl.1, fig.C
1973. Densoisporites microruguiatus Brenner. Reyre: p.115, pl.YI, fig.2
1975. Densoisporites microruguiatus Renner. Brideaux, intyre a: d.16, pl.3, fig.4

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44—48

(; 3—5).

Densoisporites velatus

Weyland et Krieger,

(Densoisporites perinatus Couper, D. microruguiatus Brenner, D. regularis Danze-Corsinet Lavene),

Denso is pontes pennatus Couper F. [173]
Densoisporites vetatus
Weyland et Krieger . X [189] -
Denso isporites perinatus Couper
Denso isporites vetetus Weyland et Krieger. [173], -
seandens S i n g Seteginetia
L u n d b l a d [227, .484, JI, .6— 9] Seteginellites haitei
.52, .70 (), -
.486, .596,4—604,4 -
.049, .50,1—62,5 -
(). ; ; — ; — ;
; ; — ; — (); —
; — ; — ().
LeptotafridifM Couper, 8
becsetus (Me v k i *) V on v « . bay.
.2, .18
1949. Exine baccate aljavki : .74, .16, .9
1966. Onychium baccata (Ma l javkina)Bolchovitina. : .54, .1, « .81,
1962. PateHaeporites tavadensis Groot and Groot. Groot and Groot: pjBT, pl.VI, fig. 1—2
1963. Cingulatwporites distaverrucosus Brenner, Brenner: p.58, pl.13, fig. 6, 7; pl.14, fig.1
1875. Leptolepidites argenteaeformis (Bo l c h o v i t i n a) M r b e y. Morbey: p.14, pl.3, fig.7—9
41 -
10 (36—46),
Leptotepidrtes beecatus (Ma l javkjna)
M. Voronova comb, nov., no [17], -
Onychium. -
— Seteginelia nwngholica Knox. -
Leptolepidites baccatus (a l j a v k i n a) M. Voronova comb. nov.
Leptotepidites Couper, 1958. Leptolepidites
verrucatus Leptotepidrtes major Couper -
.547,
.951,6—957,9 -

Laptolepidites major Couper

.2, .19

- 195 >. Selaqinella granata I h viti . ; .31, .III, .9—10
- 1958. Leptolepidites major Couper: .141, pl.21, fig.7—8
- 1961. Selagineila orbiculata Krasnova. : .23—24, .3, .5
- 1963. Leptolepidites major Couper. Dettmann: p.29—30, pl.III, fig.10—12
- 1964. Verrucosisporites rotundas Singh. Singh: p.96, pl.13, fig.3
- 1964. Verrucosisporites sp. S i n g h. Singh: p.96, pl. 13, fig.4
- 1965. Leptolepidites major Couper. Schulz: p.558—559, taf;II, fig. 1—3
- 1970. Verrucosisporites orbiculatus (Krasnova) E.Sem. , c.50—51, .III, .32, a—c.

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2—6

2—3,

1—1,5.

50

(21—29)

Leptolepidites major Couper

[173],

Leptolepia novozelandae (Col.) 11

Selagineila granata

Bolchovitina,

[16]

Selagineila chrysocaulos (k, G v.) Spring,

[170, .]

Leptolepi-

dites wmu iosus (Doring) Srivastava

.39, .557,6—558,9

.1, .538,1—541,5 npen.II,

Leptolepidites tumulosus (Doring) Srivastava

.3, .20

- 1959. Bullasporites aequatorialis r u t z s c h. Krutzsch: p.128, pl. 18, fig.199—202
- 1962. Collarisporites fuscus Desk. Deak: p.111, taf.IX, fig.56—63
- 1963. Converrucosisporites ooxigranulatus Brenner. Brenner: p.60, pl.15, fig.1—3
- 1963. Leptolepidites verruatus Couper. Dettmann: p.29, pl.III, fig.6—9
- 1964. Matthesisorites tumulosus Dtl r'G. Doring: p.37—38, pl.2, fig.6—8
- 1964. Matthesisorites plurituberosus Doring. Doring: p.38—39, pl.2, fig.9—10
- 1970. Matthesisorites tumulosus Doring. Poeock: p.48—49, pl.8, fig.18—20, 24
- 1971. Collarisporites aequatorialis (Krutzsch) Fokina. : c.131—132, .XXIV, .1
- 1973. Leptolepidites tumulosus (Do r i n g) S t r i v a s t a v a: pl.3, fig.4.

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 Leptolepidites tumulosus (D 6 i gl
 Srivastava Leptolepidites verrucatus Couper,
 Collarisporites
 tuscus D Bullasporites aequatorialis
 u t z s h
 Bullasporites u t zsch [214]
 [267],
 Leptolepidites,
 Lophotriiates
 sincertus I h. (17, . 56, . VI, .86]
 Leptolepidites tumulosus (Do i ng) Srivastava
 .547,
 .951,6—957,9
 .538, . 1237,4—1246,8
 ();
 Leptobpidit» vamraatus Couper
 .3, .21
 1963. Leptolepidites verrucatus Couper. Couper: p.28, pl.2, fig. 14—15
 1960. Leptolepia fossil is C h 4 v : c.12—13, .1, .12—13
 1963. Bullasporites (al. Bullasporites) aequatorialis r u t z s c h. Danze-Corsin et Lavene: p.115,
 pl.XVIII, fig.5
 1964. Verrucosporites cf. verrucatus (Couper) Kr u t zsch. Breliu: p.137, taf.5, fig.2
 34,5
 0,5
 3—5 5—7 3—5,
 0,5—1,0.
 50
 (24,5—44,5)

oacciformis a l j a v i n [102, .76, . 18, ,11, -
 (. . .). -

Rubinella -
 Rubinella -

Leptolepidites Bullasporis aequatorialia Krutzsch
 [2V p.128, tat.18, fig.199—202] -

Leptolepidites verrucatus Couper
 [172], Leptolepidites verrucatus,
 Leptolepia novaezealandiae (l.), -
 [170, f ig.68].
 .2618, . 136,5—136,6 - -
 .0121,
 .291,0—297,1 . - ;
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Apiculatisporites t i and , 1956
 AfMcttatiaponsasymmetricCookson and Dettmann
 .3, .22

1958. Apiculatisporites asymmetricus Cookson and Dettmann, Cookson and Dettmann: p.100,
 pl.XIV, fig.11, 12
 1962. Verrucosporites asymmetricus (Cookson and Dettmann) Pocock: p.56, pl.8,
 fig. 124—12b
 1962. Todea gilva Verbitskaja. : .94, .1V, .35, .35
 1963. Apiculatisporites asymmetricus Cookson and Dettmann. Brenner: p.56, pl. 13, f ig. 1
 1963. Foraminisporites asymmetricus (C o k so n and Dettmann) Dettmann, Dettmann: p172—73,
 pl.XVI, fig.15—19
 1914. Neoraistricka ?sp. S i n g h: p.68, pl.8, fig.6, 7
 1964. Ceratrosporites equialis Cookson and Dettmann. Bushardo et Taugourdeau: p.167, pl.1,
 fig.10
 1967TTdraminisporites asymmetricus (Cookson and Dettmann) Dettmann. Norris: p.98,
 pl.14, fig.5^j

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 1—2 -
 2—2,5 , 2 ,
 1,5—2; -
 15 -
 (43—60), -

Apiculatisporites asymmetricus Cookson
 and Dettmann Apiculatisporites wonthaggiensisC k -
 son and Dettmann -
 .538,1—541J5 . , " , .1,
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Apiculatisporites wonthaggiensis Cookson et Dettmann

.22

- 1958. Apiculatisporites wonthaggiensis Cookson et Dettmann. Cookson Dettmann: p.100, pl.XIV, fig.7—10
- 1964. Neoraistrickia ?sp. Singh: p.68, pl.B, fig.6, 7
- 1967. Foraminisporites wonthaggiensis (Cookson et Dettmann) Dettmann. Norris: p.98, pl.13, fig.23

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1—1,5

2—2,5

(39 50).

[180]

Apiculatisporites wonthaggiensis Cookson et Dettmann

Foraminisporites Krutzsch, 1959.

Foraminisporites Krutzsch (214) 1959.

Apiculatisporites wonthaggiensis Cookson et Dettmann

.504,0—508,7 . 11007,

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Aequitriradites «ubverrucosus» Dettmann

.24

1964. Aequitriradites subverrucosus Dettmann: p.465, taf.1, fig.1.2

1969. Aequitriradites subverrucosus Dettmann: p.53, pl.1, fig.47.

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(4),

(1,5—

2),

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(72—85),

Aequitriradites subverrucosus Dettmann and Dettmann

Cookson and Dettmann,

.407, .592,45—597,75 .538, .1237,4—1246,8

Aequitiradites verrucosus (Cookson and Dettmann) Cookson and Dettmann: p.112—113, pl.XVI11, fig.2-6

1958. Cirratiradites verrucosus Cookson and Dettmann. Cookson and Dettmann: p.112—113, pl.XVI11, fig.2-6

1961. Aequitiradites verrucosus (Cookson and Dettmann) Cookson and Dettmann: p.427, pl.LII, fig.1-6

1961. Selaginellidites verrucosus (Cookson and Dettmann) Krasnov: c.40, .9, .2—3; .10, .1—4; .11, .1

1964. Aequitiradites verrucosus (Cookson and Dettmann) Cookson and Dettmann. D O r i n g: p.464, fig.1—4

69, 17.

(6—10—13),

(1—2),

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(60—78),

Aequitiradites verrucosus (Cook, and Dett.)

Cookson and Dettmann no

Aequitiradites spinulosus (Cookson and Dettmann)

Cookson and Dettmann [171, p.427, taf.LII, fig.7—12].

3—4

Cooksonites variabilis

Pocock [243, p.54—55, pl.7, fig.112—117]

(). Zoniasporites acutus Almeida [243, p.54—55, pl.7, fig.7, 112—117]

Aequitiradites verrucosus (Cookson and Dettmann) Cookson and Dettmann

.484, .670,1—672,5

.53, .1237,4—1246,8

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Schizaeaceae

Cicatricosporites Potonie and Gell, 1933

Cicatricosporites abacus Burger

.4, .26

1966. Cicatricosporites abacus Burger. Burger: p.242, pl.7, fig.3

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2,5—3

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(40—50)

Cicatricosporites abacus Burger,

Cicatri-

cosporites dorogensis Pot. and Gell,

Cicatricosporites australiensis (Cook.)

t.,

Cicatricosporites abacus Burger

.357,

.448,8—455,7

.1,

.614,

.2141—2147

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Cicatricosporitesaustraliensis (Cookson) Potonie

.4, .27

1953. Mohriosporites australiensis Cookson. Cookson: p.470, pl.2, fig.31—34

1956. Cicatricosporites australiensis (Cookson)Potonie. Potonie: p.48, taf.7, fig.60

1958. Ruftordia goepperti (Dun k.)Seward. Couper: p.109—110, pl.17, fig.-4—6

1958. Cicatricosporites australiensis (Cookson) Cookson etDettmann. Cookson and Dettmann: p.105—106, pl.XV, fig.13—14

1958. Cicatricosporites australiensis ICoo k so n) Ba l me. Balme: p.20,pl.2, fig.27—29

1961. Cicatricosporites dorogensis Potonie et G elletisch : c.70—71,

.XXI, .2, 2e

1963. Cicatricosporites australiensis (Cookson) Potonie. Dettmann: p.53, pl.IX, fig.10—16

37

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2-3

1,5-2

(1-2)

1,5-2,5

1,2,5

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(32-42)

Cicatricosisporites australiensis (Cookson)

P t n i e

[243]

Cicatricosisporites australiensis (Coo k s) Potonie

Cicatricosisporites dorogensis t i

et, G l i i s h.

[180]

Cicatricosisporites dorogensis t n i et

G l l e t i s c h

.357, .448,8-455,7

.0123,

.244,0-249,0

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Cicatricosisporites cooksonii Baime

.4, .28

- 1956. Anemia dorsostrata Bolchovitina. : .60, .95,8,
- 1957. Cicatricosisporites cooksonii Baime. Baime: .19, pl.1, fig.23-24; pl.2, fig.25-26
- 1961. Anemia cooksonii (Baime) Bolchovitina. : .59, .17, .6, -
- 1963. Contignisporites cooksonii (Baime) Dettmann. Dettmann: p.75-76, pl.XV, fig.11-16
- 1963. Contignisporites fornieatus Dettmann. Dettmann: p.76, pl.XVI, fig.1 - 5
- 1964. Appendicisporites cooksonii (a l m e) P c k. Singh: p.49, pl.2, fig.8-10
- 1964. Cicatricosisporites dorsostratus (Bolchovitina) Singh: p.57, pl.6, fig.2-4
- 1965. Contignisporites cf. C. cooksonii (Baime) Dettmann. Gregor: pl.Vi, fig.15-16
- 1966. Cicatricosisporites cooksonii Baime. Burger: p.242, pl.8, fig.1
- 1974. Contignisporites cooksonii (B a l m e) Dettmann. Hopkins: p.17, pl.4, fig.43-44
- 1974. Contignisporites fonicatus De ttmann. Hopkins: p.17, pl.4, fig.45, 46

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(1)

(2—3), (5), (1—1,5).
 (5—6). 5—6
 50 (30—53),
 [17] Anemia
 dorsostriata Bolchovitina.
 [160] Cicatricosisporites cooksonii Balme
 "dorsostriata",

Cicatricosisporites cooksonii Balme
 — Contignisporites problematicus (Couper) D i n g
 [260, p.569—570, tat.VI, fig.1, 2].

Cicatricosisporites myrtellii Burger
 [166, .243, pl.7, fig.1]
 Cicatricosisporites cooksonii Balme

.424 .11010, .430,7—436,3 .054,
 ; (), ();

Cicatri «rite» cunaiformns Pocock

.4, .29

- 1965. Cicatricosisporites cuneiformis Pocock. Pocock: .158, pl.2, fig. 17
- 1966. Cicatricosisporites hallei Del court and Sprumon t. Burger: p.244, pl.9, fig.2
- 1966. Cicatricosisporites dorogensis P t n i e and G e l i e t i s c h. Hedlund: p.18, pl.3, fig.5,a,b
- 1968. Cicatricosisporites cuneiformis Pocock. Dettmann and Playford: p.73—74, pl.6, fig.3—5
- 1972. Cicatricosisporites cuneiformis Pocock. Srivastava: p.8—9, pl.4, fig. 10—12

47

1/2 3/4 1—1,5 1,5—
 2 45° 1,5—2 1,

Cicatricosisporites

cuneiform is Pocock [244]
 Cicatricosisporites venustus beak [176, pl.V, fig. 1—5], Pelletieria
 mec.ostriata Bolchovitina PeHetieria ters Bolchovitina [19, . 1 ,
 . 3, , , .XIX, .4, -].

[164] Cicatricosisporites hailei Dele, and Sprum.
 [199] Cicatricosisporites dorogensis Pot. and Gell.,

Cicatri-

cosisporites ctmeifmormis

.357, .405,6—411,7

.049, .46,0—46,6

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trioemporites deregenicis t i »and G 11 e t i s c h

.4,

1933. Cicatricosisporites dorogensis P t n i e and Gelleftsch, Potonie and GeMetich: p.522, pl.1, fig.1—5

1951. Mohriosporites dorogensis P t p n i e. Potonie: pl.20, tig, 14

1953. Mohria mutabila Bolchovitina. : .36, .IV, .6

1955. Cicatricosisporites ct, dorogensis P t n i e and G e l l e t i s c h, Deicoart and Sprumont: p.21, abb.3

1957. Cicatricosisporites dorogensis Potonie and G e l l e t i s c h. Rouse: p.362, pl.1, tig,38, 39

1961. Mohria mutabila Bolchovitina. : .47, .IV, .25

1961. Cicatricosisporites dorogensis P e r t n i e and Gelleitisch Groot, Penny, Goot: p.128, pl.24, fig.8

1961. Cicatricosisporites dorogensis Potonie and G e l l e t i s c h. : .70, junc.5,a

1961. Mohria dorogensis (Potonie) Markova. : .86, .22, .4

1967. Cicatricosisporites dorogensis t n i and G l i t i s h. Krutzsch: p.80, taf.22

1969. Cicatricosisporites dorogensis Potonie and G e l l e t i s c h. Kedves: p.18, pi.IV, fig. 12

1974. Cicatricosisporites dorogensis P t n i e and G e l l e t i s c h, Hopkins: p.15, pl.3, fig.33

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2—2,5

0,5—1,5,

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(40—48),

Cicatricosisporites

dorogensis Pot. and Gell,

[136]

.390, .656,8—659,8 .1, .2208—2217

Cicatricosisporites hughesi Dettmann

.4, .32

1963. Cicatricosisporites hughesi Dettmann. Dettmann: .5 —56, pl.X, fig.6—16

49

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4—4,5

2,5—3
3—4
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(45—52),

Dettmann [180]
Cicatricosisporites WeylandetKrieger,
[194],
[19]
hughesi Dettmann

Cicatricosisporites hughesi
Appendicisporites [221],
Anemia caucasica Bolchovitina
Cicatricosisporites

.408,6 .055,
405,6 .357, .399,6—

Delcourt and Sprumont
.4, .33

1955. Cicatricosisporites mohrioides Delcourt et Sprumont. Delcourt and Sprumont: p.20, pl.1, fig.2

1962. Cicatricosisporites cf. C. mohrioides Delcourt et Sprumont. Pocock: p.40, pl.3, fig.42—43

1964. Cicatricosisporites sp. Smgh; p.60, pl.7, fig. 1—3

1966., Cicatricosisporites mohrioides Delcourt et Sprumont. Burger: p.243, pl.8, fig.2

1972. Cicatricosisporites furcatus De a k. Srivastava, p.9, pl.5, fig.1,2

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2,5

1—1,5

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1—1,5

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(41—56)

Cicatricosisporites mohrioides Dele, et
Cicatricosisporites,

S p r u m.

X. [262] <

Cicatricosisporites furcatus De a k [176] Cicatri-
cosisporites mohrioides (Delcourt et Sprum on t) -

[267] atri-

Cicatricosisporites furcatus D
cosisporites mohricides Delcourt et Sprumont.

.0123,

.218,8—223,0

11010, .411,2—416,3

()

Cicatricosisporites perforatus(Markova) Doring

.5, .34

- 1957. Anemia perforata Baranov, Nemkov, Kondratiev. :
.202, .2, .22
- 1961. Mohria perforata (Baranov, Nemkov, Kondratiev). Ma r k v : c.85—86.
.22, .3,3,
- 1961. Cicatricosisporites perforatus (Baran v, Nemkov, Kondratiev) Singh. Singh: p.58,
pl.6, f ig.5- 7
- 1965. Cicatricosisporites perforatus (M a r k v a) D r i n g. Doring: p.48, taf .XVI, fig.2, 3
- 1965. Costatoperforosporites fistulasus D e a k. Deak: p.61, pl IV, fig.7, 8
- 1965. Costatoperforosporites foveoiatus Deak. Deak: p.61, pl.V, fig.13, 15

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1,5—2

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— 2—2,5—3

0,5—0,75

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(41—49)

tes perforatus (Markova) Doring ()

Cicatricosispori-

[7]

X [189]

(taf.VII, fig.14—16),

Cicatrico-

sisporites perforates (Markova) Doring

Cicatricosisporites,

V-

.0121,

.263,0—266,0

.1, .2141—2143

Cictricoeisporites pseudoaurifwus (Bolchovltina)M. Voronov* comb. nov.

.5, .35

1961. Anemig pseudoaurifera. Bolchovitina. : c.52—53, .XIV, .7,*;

-XVII,

1975. Cicatricosisporites spiralis Singh. Srivastava: p.28, pl.12, fig.1—3

28

1,5—2

1,5—2

0,5—1.

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(26—30)

Cingulatisporites pseudoauriferus (Bolcho-

vitina) M.Voronova comb. nov.

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[268] Cicatri-

cosicporites spiralis Singh. [263, .78, 1.10,

fig.1—3].

Cicatricosisporites

brev.ilaesuratus Couper, [213]

Cicatricosisporites pseudoaurife-

rus (Ichovitina) . Voronova comb, nov.

Cicatricosisporites.

.577, .423,8—427,7

.1, .2229—2236

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Cicatricosporites smimovae* M. Voronova sp. nov.

.5, .36

.484, .670,1—672,5, .177, . 1, .

31

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(1—1,5),

1—1,5

(0,5) ;

0,5—1

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(25—35).

Cicatricosporites smirnovae . Voronova

sp. nov.

[232, 1967, pl.11, frg.16]

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Cicatricosporites haliei De I u t and Sprumont.

Cicatricosporites dorogensis t n i and G i l l i s h

[19, .XX, . 5,].

Cicatricosporites dorogensis t

n i and G i l l i s h

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.309,0—317,0

.248,

.0123, .218,3—223,0

Cicatricosporites tricostata (I h v i t i n) . Voronova sp. nov.

.5, .37

1963. Anemia tricostata Bolchovitina (Chomotriletes tricostatus Bo I ch.) : c.38,

Ta6n.IV, .9,12

1961. Anemia tricostata Bolchovitina. : c.51—52, .XIV, . ^-d

1961. Anemia tricostata Bolchovitina. : .70—71, .17, .6, -

1963. Cicatricosporites ludbrookii Dettmann. Dettmann: 54, pl.IX, fig.1 7—22

1965. Cicatricosporites angicanalis Dotting. Dotting: p.49, taf.XVII, fig.1—2, taf.XVIII, fig.1

1965. Cicatricosporites magnus D r i n g. Diking: p.49, taf.XV, fig.1—2; taf.XVI, fig.1

1966. Cicatricosporites sternum A m e n. Burger: p.243, pl. 11, fig.2

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1,5—2

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(39—50)

[161

[180].

Cicatricosporites ludbrooki Det t.,

Anemia tricostata I h_

Cicatricosporites tricostata (Ichovitin) . Voronova

comb. nov.
(son) Potonie,

Cicatricosporites australiensis (Cook-

Anemia flexuosa (Sav.) R

d *Anemia schimperiana* (P r e s l.) Ree d,

[19, . . , -2, - . . , .5, -].

.408,6

.055,

.357, .399,6—

405,6

CicwtrisesisparitBS venustus Deak

.5, .38

1964. *Cicatricosporites venustus* D a k. Deak: p.252, pl.2, fig.12, 13

1963. *Cicatricosporites fu-catus* Deak. Deak: p.254, pl.2, fig.6, 7

' 963. *Cicatricosporites haiei* De lcou rt and Sprumon t. Brenner: p .49—50, pl.9, fig. 2

1964. *Cicatricosporites* sp. A. Singh: p. 0, pl.7, fig.1—3

1966. *Cicatricosporites dorogensis* Potonie and Gellettsch. Hedlund:p.18, pl.3, fig.5

1968. *Cicatricosporites hallei** D e l u r t and S p r u m n t. Hedlund and Norris: p.136, pl.11, fig.4

1975. *Cicatricosporites venustus* D e a k. Norvick and Burger: p.121 —122, pl.19, fig.8—12

1975. *Cicatricosporites venustus* Deak. Srivastava: p.28:29, pl.12, fig.4—15

1976. *Cicatricosporites* sp. Amerom, Hemgreen, Romein: pl.5, fig.4

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2,5

1,5—2,0

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(23—30).

Cicatricosisporites venustus Deak, [164, 199]

Cicatricosisporites ha Hei D i t and Sprumont.

[177, .17, 1.1].

[262, 154]

Cicatricosisporites.

Mohria striata (Naumova) Boichovit i [16, .36, . IV, .1—51.

venustus Deak. Cicatricosisporites

.3030—3034 .31,

.484, .596,4—604,4

verbrtekeje* .Voronova .nov. .5, .39

.357, . 447,8—448,8 448,8-455,7 .38

39; .1, , 11, .

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1—1,5

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(0,5), 4

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10 (35—45),

Cicatricosisporites verbitskaj i M.Voronova
 Cicatricosisporites cook-
 sp. nov. no
 son ii a i m e,
 Cicatricosisporites hughes i Dettmann,
 Cicatricosisporites

.11010,
 .411,2—415,0 .6, .2582—2586

Appendicisporites Weyland and Krieger, 1953
 Appendicisporites* (folchovitina)M.Voronova comb.nov.
 .5, .40

1961. Anemia caucasica Bolchovitina. : .54, .5^ ;
 .4.a 39

2— 2,5 ;
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1— 1,5. 1—1,5—2 3

4—5. 30 (34—54),

Appendicisporites. Appendicisporites caucasica
 (folchovitina) M. Voronova comb, nov.,
 Appendicisporites erdtmanii Pocock.

Appendicisporites
 caucasica (folchovitina) M. Voronova comb. nov.
 Appendicisporites tricornitatus Weyland and Greifeld.
 [268, pi.7, fig.3—5] Appendicisporites jansonii Pocock,
 .54, .24 .12441,
 .202,4

Appendicisporites crimensis (Bolchovitina) Pocock

.5, .41

- 1961. Anemia crimensis Bolchovitina. : c.55, .-XV, .8, .XVII, .7
- 1961. Anemia crimensis Bolchovitina. : .75—76, .19, .1,2
- 1964. Appendicisporites crimensis (Bolchovitina) Pocock. Singh: p.49, pl.2, fig.11, 12
- 1965. Appendicisporites crimensis (Bolchovitina) Pocock. Pocock: p.154, pl.3, fig.5
- 1971. Appendicisporites crimensis (Bolchovitina) Pocock. Playford: pl.104, fig.2, 3

36

1,5—2

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4—4,5

5-6.

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(32—40 ?)

Anemia niacropyza (Maljavkina) Bolchovitina

Appendicisporites bilateralis Singh,

[268, .13, pl.5, fig.4, 5]

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.0121,

.269,0—272,0

.29,

.2922—2927

Appendicisporites erdtmanii Pocock

.5, .42

- 1964. Appendicisporites erdtmanii Pocock. Singh: p.48, pl.2, fig.5—7
- 1965. (1964). Appendicisporites erdtmanii Pocock. Pocock: p.167, pl.3, fig.17
- 1965. Plicatella erdtmanii (Pocock) Ameron. Ameron: 112, pl.5, fig.1,a-d; pl.12, fig.3,a-b
- 1975. Appendicisporites erdtmanii Pocock. Srivastava: p.14—15; pl.6, fig.1,2

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3-4-4,5

* 2—3,

2,5—3,5

6-7 , 10;

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(47-57)

Appendicisporites erdtmanii Pocock
Appendicisporites potamacensis [164,

.46, pl.6, fig.4, 5]

Anemia silvestris I-

chovit ina [19, .58, / , .8, -d].

Appendicisporites tricornitatus W land and G r e i f e l d [243, p.38,
plJ, f ig.24-30],

.391, .446,6-557,6

.1, .2223-2236

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*Appendicisporites marfcovee** . Voronova « . nov.

.5, .43 <

.538, . 1237,4-1246,8 , . 1,6.

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1,5-2.

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(1-1,5).

(1,5).

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(80-89 ()

sp. nov.

Appendicisporites morkcvae M.V oronova

Appendicisporites.

.527, .441,7—446

.547,

.957,9—965,8

Appendicisporites parviangulatus D r i n g

.5, .44

1966. Appendicisporites parviangulatus D r i n g. D r i n g: p.109, taf.111, bild 4—6, taf.IV, bild 4—6

43

3,5—4

3,5—4

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(34—53),

Appendicisporites parviangulatus

Appendicisporites hughesii Det

D r i n g

t m a n n [180, p.55—56, pt.X, fig.6—16].

.0121,

.269,0—272,0

.6, .2416—2419

Appendicisporites potamacensis Brenner

.6, .45

1961. Appendicisporites tricornitatus W e l a n d and G r e i f e l d. G r o t, P e n n y and G r o t: pl.129.pl.24, fig.6, 7

1963. Appendicisporites potamacensis Brenner, Brenner: p.46, pl.6, fig .4, 5

1964. Appendicisporites tricornitatus W e l a n d and G r e i f e l d. Singh: p.46,pl.2, fig.1

1969. Appendicisporites tricornitatus W e l a n d and G r e i f e l d. : .46,6—8

1975. Appendicisporites potamacensis Brenner. Williams, Brideaux: pl.39, fig.B—13

1975. Appendicisporites potamacensis Bren n e r. Srivastava: p.16—17, pl.7, fig.6—8, pl.8, fig.1—6, pl.9, fig.1—2

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i 3—4,5
 5,6. 2—2,5 2,5—4
 15 (40—45)

Appendicisporites potamacensis Brenner
 Appendicisporites erdtmanii Pocock,
 [244, n.167, pl.3, fig.17].

Appendicisporites
 potamacensis Brenner

Appendicisporites distocarinatus De t t m a n n and P l a f r d,
 [1 2, .75, pl.6, fig.13—201

[269],

D t t. and P l a f. Appendicisporites distocarinatus
 Brener. Appendicisporites potamacensis

.391, .556,0—557 .0121, .263,0—266,0

Appendicisporites » (Markov) . Voronova comb. nov.
 .6, .46

1961. Anemia symskiensis Markova. : .81—82, .21, .1, - , 2> , 3, - , 4, - , 6

1964. Appendicisporites sp. Singh: .51, pl.2, fig.14

1965. Appendicisporites ? jansonii Pocock. Gregor: pl.VIII, fig.21

1975. Appendicisporites jansonii Pocock. Srivastava: p.15—16, pl..7, fig. non 1, 2

1975. Appendicisporites sp. B. Srivastava: p.19, pi.10, fig.1,2

52

0,3—,5.

5,5—9

15

(42—59)

(). Appendicisporites symskiensis (Markova)
 . Voronova comb. nov.

Appendicisporites.

Anemia trichorhiza G a rdn.

.357, .437,8—448,8 .1,
.2147—2147

Appendicisporites tricornitatus Weyland and G r a i f a l d

.6, .47

- 1953. Appendicisporites tricornitatus W e l a n d and G r e i f e l d. Weyland and Greifeld: P-93, pl. 1T, fig.52
- 1955. Appendicisporites tricornitatus Weyland and Greifeld. Delcourt and Sprumort: p.40, pl.4, fig.3
- 1958. Appendicisporites tricornitatus Weyland and Greifeld. Couper: p.136, pl.17, fig.7—9
- 1961. Appendicisporites tricornitatus Weyland and Greifeld. : .60, .XIV, .9, ,
- 1962. Appendicisporites tricornitatus Weyland and Greifeld. Pocock: p.38, pl.2, fig.24—30
- 1964. Appendicisporites tricornitatus Weyland and Greifeld. Singh: p.46, pl.2, fig.1
- 1966. Appendicisporites clavatus (Markova) Doring: taf.III, bild 7, 8
- 1966. Appendicisporites tricornitatus Weyland and Greifeld. Hedlund: p.15, pl.4, fig.4,a, b

.55

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2—4

0,5—1),

10

15

(50—60),

and Greifeld

Appendicisporites tricornitatus Weyland
Anemia praecipua Verbits kaj a,

[34,

—09, .VII, .42, ,].

Appendicisporites bifurcatus S i g h

[268, .12, pl.3, fig. 8—10].

[195, .128, pl.24, fig.6,7]

» » Appendicisporites tricornitatus W e y l a n d and Greifeld.

.484, .604,4—612,4

.0121, .263,0—266,0

Ptilosporites I u t and Sprumont, 1955

Ptilosporites notensis K t n and Dettmann

.6, .48

1958. Ptilosporites notensis Cookson and Dettmann. Cookson and Dettmann: p.102, pl.XV, fig.1—3

1961. Lygodium notensis (Cookson et Dettmann) Bolchovitina. : c.103, .7

1961. Lygodium calvum E. I v a n v . : .105, .28, . ^,

1963. Ptilosporites notensis Cookson and Dettmann. Dettmann: p.37, pl.IV, fig.1—5, fig.4,d

1975. Ptilosporites notensis Cookson and Dettmann. Norvick and Burger: pl.18, fig.17

65

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3

1—3

0,5,

15

(55—75),

Ptilosporites notensis Cookson and Dettmann
Ptilosporites trichopapillosus (T h i e r g) D e l -
court and Sprumont

.538, . 1237,4—1246,8

.1; .2141—2147

Ptilosporites parvispinosus De 11 m a n n

.6, .49

1963. Ptilosporites parvispinosus Dettmann. Dettmann: p.38, pl.IV, fig.6—8, fig.41

40

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j

1

1—1,5

1—1,5,

1

10

(36—43),

Pilosporites parvispinosus Dettmann

Pilosporites notensis Cookson and Dettmann

Pilosporites brevibaculatus Dering [189,p.37—38, taf. XI, fig. 8—10],

Pilosporites parvispinosus Dettmann,

.538, 1237,4—1246,8

PHosisporites trichopapillosus (Thiergart) Delcourt and Sprumont

.6, .50

1949. Sporites trichopapillosus Thiergart. Thiergart: p.22—23, pl.IV/V, ab.18
1955. Pilosporites trichopapillosus (Thiergart) Delcourt and Sprumont, Delcourt and Sprumont: p.34, pl.3, fig.3
1958. Pilosporites trichopapillosus (Thiergart) Delcourt and Sprumont. Couper: p.144, pl.23, fig.1-3
1961. Lygodium horridum Sachanova et E. Ivanova. : c.101—102, .27, .2^,
1961. Lygodium unguatum E. Ivanov. : c.102—103, .27, .3, ,
1961. Lygodium spinosum E. Ivanov. : c.103—104, .28, .1, ,
1961. Lygodium longipilosum E. Ivanov. : c.106—107, .29, .1, ,
1961. Lygodium hirsutum E. Ivanov. : c.107—108, .29, .2, ,
1961. Lygodium trichopapillosus (Thiergart) Bolchovitina. : c.102, Tabn.XXXVII, .1, a,
1961. Lygodium verus (Delcourt et Sprumont) Bolchovitina: : c.103, .XXXVI11, .3, ,
1962. Pilosporites trichopapillosus (Thiergart) Delcourt et Sprumont. Pocock: p.45—46, pl.4, fig.70
1962. Pilosporites verus Delcourt et Sprumont. Pocock: p.45, pl.4, fig.69
1962. Lygodium setiferum Verbitskaja. : p.104—105, .XI, .53 -
1963. PHosisporites trichopapillosus (Thiergart) Delcourt and Sprumont Brenner: p.67, pl.20, fig.3
1964. Pilosporites trichopapillosus (Thiergart) Delcourt and Sprumont. Singh :p.75, pl.9, fig.4
1964. Pilosporites verus Delcourt and Sprumont. Singh: p.75, pl.9, fig.5
1964. Pilosporites trichopapillosus (Thiergart) Delcourt and Sprumont. Stover: p.144, pl.1, fig.8
1965. Pilosporites trichopapillosus (Thiergart) Delcourt and Sprumont. During: p.36—37, taf.XIV, fig.1—3
1967. Pilosporites trichopapillosus (Thiergart) Delcourt and Sprumont. Steves and Nilkins: pl.III, fig.1,2
1971. Pilosporites echinaceus (Verbitskaja) Bolchovitina. : c.119—120, .XXV .13
1971. Pilosporites verus Delcourt and Sprumont. Playford: p.536, pl.103, fig.6
1971. Pilosporites trichopapillosus (Thiergart) Delcourt and Sprumont Playford: p.536, pl.103, fig.7
1976. Pilosporites trichopapillosus (Thiergart) Delcourt and Sprumont. Ameron, Hemgreen, Romein: p.59, pl.6, fig.4

76

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6—11

Pilosporites . -

[177]

Pilosporites trichopapillosum (Thiergart) Delcourt and Sprumont.

Cyathea medullaris (Forst.) Swartz. Lygodium trichopapillosum (Thiergart) Bolchovitina [19]

[189],

Pilosporites trichopapillosum (Thiergart) Delcourt and Sprumont.

Pilosporites trichopapillosum (Thiergart) Delcourt and Sprumont.

.547,

.951,6—957,9

.1, .2229—2236

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Klukisporites variegatus Couper

.7, .51

1958. Klukisporites variegatus Couper. Couper: p.137, 138, pl.19, fig.67

1961. Klukisporites variegatus Couper; : .12, .1, .6

1965. Klukisporites variegatus Couper; : .43, .1, .5—9

1966. Klukisporites variegatus Couper; : .126, .XXIV, .5—9

1966. Klukisporites variegatus Couper. Burger: p.248, pl. 15, fig. 1

1971. Klukisporites variegatus Couper. : c.125—126, .XXV, .1

45

2,5—4,0

2—4

2—5

Klukisporites visibilis (Bolchovitina)

Ilhvit [19, .12, .1, .5, .1, .6,], (

Klukisporites variegatus Couper
 Klukisporites pseudoreticulatus Couper [173, p.138, pl.19, fig.8—10]

Klukisporites [173]
 Klukia exilis (Phillips) Ribiški Stachipteris hallei Thomas.

.430,7—436,3
 .25, .104,3
 (); ()

Klukisporites visibilis (Bolchovitina) Bolehovitina
 .7, .52

1953. Stenozonotriletes visibilis Bolehovitina : .52, -VII, .12
 1958. Klukia exilis (Phillips) Ribiški Couper: p.W9, pl.19, fig.2, 3
 1961. Klukisporites visibilis (Bolchovitina) Bolchovitina : .12, .1, .5, .VII, .6,
 1966. Klukisporites visibilis (Bolehovitina) Bolehovitina. : .125—126, .XXVI, .3,4

43
 3/4 4/5
 4
 — 3—4
 — 3—4 2—2,5.
 25 (38—50)

Klukisporites visibilis (Phillips) Ribiški
 Klukisporites variegatus Couper

[19],
 Klukia exilis (Phillips) Ribiški Lygodium reticulatum Schreb. Lygodium salicifolium Presl.

.430,6—431,0
 .25, .104,3
 (); ()

Tritobosporites (Pan t.) exR.Poton ie, 1966

Tritoteapórrteaapivemiustus Couper

Tafin.7, .53

1953. Lophotriletes crispaeformis Bolchovitina. : , .VII, .16
 1956. Lygodium gibberulum (Kar a-M r z a) Bolchovitina. : .55, .VI,
 .82, ,
 1958. Trilobosporites apiverrucatus Couper. Couper: p.142, pl.21, fig.11—13
 19u I. Lygodium tuberosum E. i v a n v . : c;100—101, .27, .1 ja,
 1961. Lygodium multituberculatum Bólchovitina. ; .92, . 1 , .7;
 Та6н.ХХХVii, .3, ,
 1962. Trilobosporites apiverrucatus Couper. Pocock: p.43—44, pl.4, fig.59—60
 1962. Lygodium mirabile Bolchovitina. ; .102— , .51, -
 1962. Trilobosporites apiverrucatus Couper. Groot and Groot: p.168, pl.IV, fig.1—4
 1963. Concavissimisporites variverrucatus (Couper) Brenner. Brenner: p.59, pl-14, fig.4
 1964. Trilobosporites apiverrucatus u p e r. Singh; p.72, pl.8, fig.16—17 (non 18)
 1965. Concavissimisporites apiverrucatus (Coupe r) Dbri ng. Diking: p.33—34, taf.Xtll, fig.3,4
 1966. Trilobosporites apiverrucatus Coup er. Burger: p.250—251, pl.18, fig.1
 1966. Concavissimisporites verrucosus D e l d u r t and Sprumont. Burger: p.249, pl.20, fig.1
 1967. Trilobosporites apiverrucatus Couper. Archangelsky and Gamarro: p.212, pl.1,
 1971. Trilobosporites apiverrucatus Couper. : .62, .2, .1
 1973. Tuberositriletes tuberculiformis (Cookson) Reyr e. Reyre: p.124, pl.10, fig.4—5

70

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2,5—3,5

6—7

4.

20

(65—75)

Trifobosporites apiverrucatus

Dicksonia

P.Kynep [173]

synarros Swartz.,

Lygodium.

.411,2-415,3

. 11010,

.29, .3125—3131

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Tritobosporites asper (olchovitin) .Voronova comb. nov.

.7, .54

1953. Stenozonotriletes -> I h viti . : .49, . . , .2
 1954. Lygodium (Stenozonotriletes) aspertum Kar a-M r z , - , .66, .9, J
 1954. Lygodium cf. flexuosum S a u e and MtchedlishviH. ; .VI,
 .11
 1955. Cncavisporites punctatus D I u t et S p r u m n t, Delcourt et Sprumont: p.25, pl.1,
 fig.8; pl.11, fig.2
 1958. Concavisporites punctatus Delcourt et Sprumont. Couper: p.142, pl. 22, fig.1—3
 1958. Lygodium reticulatum f. typicum Maljavkina. : .38, .IX, .1
 1958. Lygodium flexuosiformis Maljavkina. : .39, .1, .10
 1958. Lygodium fumatum Verbitskaja. : .III, .41

1958. *Lygodium punctatituberculatum* Mal'ja v i . : .41, .1, .11
 1961. *Lygodium granulatum* E. Ivanova. : .94, .24, .1,8-
 1962. *Concavisporites punctatus* De l co u r t e t Sp u m o n t. Pocock: p.46, pl.5, fig.72
 1963. *Concavissimsporites punctatus* (D e l co u r t and S p r u m o n t) Brenner. Brenner:
 p.59, pl.14, fig.6
 1964. *Maculatisporites granulatus* IE. Ivanova) Doring. Doring: p.100, taf.1, bild.1—3
 1965. *Maculatisporites maculatus* Döring. Doring: p.23—24, taf.VI, fig.3
 1965. *Maculatisporites granulatus* IE. I v a n o v a) Dör i n g. Döring: p.24, taf.VI, fig .4—6
 1965. *Cardioangulina trilobata* D 5 r i n g. Doriñg: p.18, taf.1, fig.4—6

60

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3—3,5

15

(45—70),

Trilobosporites asper (I h v i t i n)

M. Voronova comb. nov. *Concavisporites subsimpfex*
 (Belehov it in a) M. Voronova comb. nov.

Concavisporites maxoides (u t z s h) . Voronova
 comb. nov.

Tri lobosporites (Pant) ex t n i , 1956.

[177]

[173]

Cyatheaceae Dicksonioaeae.

.577, .418,3—423,8

.52, .9061, .70

(); ();
 ; — ;
 (); ;

*Trilobosporites bernissartans*K (D I u t o t S p r u m o n t)Potoni«

.7, .55

1955. *Lygodioisporites bernissartensis* D e l c o u r t and Sprumont. Delcourt and Sprumont: p.34, text fig.5
 1956. *Trilobosporites bernissartensis* (Delcourt and Sprumont) Potonie. Potonie: p.55
 -1958. *Trilobosporites bernissartensis* (Delcourt and Sprumont) Potonie. Couper: p.141, pl.21,fig.9,10
 1958. *Trilobosporites* cf. *bernissartensis* (Delcourt and Sprumont) Potonie. Lentz: p.36, «0.14
 1961. *Lygodium bernissartensis* (Delcourt and Sprumont) Bolchovitina. : .101, .XXXVII, ^,
 1992. *Trilobosporites bernissartensis* (Delcourt and Sprumont) Połonie. G. Groot and . Groot; p.24, pl.III, fig.5-7
 1963. *Trilobosporites*. Danz e-C orsin et Laven e: p.108, pl.XVIII, fig.4
 1963. *Trilobosporites bernissartensis* (Delcourt and Sprumont) Poton ie. Delcourt, Detmänn and Hughes: p.288—289, pl.43, fig.11 —14
 1965. *Trilobosporites* (*Tuberosisporites*) A. Doring; p.56, taf.X—XIV, fig.4
 1965. *Trilobosporites* (*Tuberosisporites*) *bernissartensis* (Delcourt and Sprumont) Doring: Döring: p.56, taf.XXIII, fig.1

1971. *Trilobosporites bernissartensis* De I u t and Sprumont) Poto^F *e. : c.129—130, .XXV, .15

1976 *Trilobosporites bernissertensis* IDE I cou rt and Sprumont) Potonie. Ameron, Herngreen, Romeln: p.56, pl.6, fig. 1

84

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0,6 10 ;

— 0,5

2—4

5—

6 3—4. 30

(78—91),

Trilobosporites bernissartensis (Delcourt and Sprumont) Potonie

Tritobosponesapiverrucatus Couper *Trilobosporites marylandensis* Brenner

Trilobosporites canadensis [243, p.44—45, pl.4, fig.63—68]

[19],

7,9—965,

.547,

287,1

.0121,

.291,1

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* . V or on oveep.wav.

.56

MtH

.1, .345,0—347,2

2/3

72

2/3

10

(67-80).

Trilobosporites bolchovitinae Voronova
Trilobosporites

sp. nov.

Trilobosporites microverrucosus (D 6 i n g) M.Voronova comb, nov.,

.503,

.670,7-676,5

Triobosporitesswemcam (. I v a n o r i)

M. Voronova comb. nov.

.8, .57

1961. Lygodium cavernosum E. I v a n o v a : 1.109-110, .30, ^^-

1964. Cyathidites fortvallatus r e l i e. Brellie: p.127 taf.3, fig.1,2

1971. Trilobosporites cavernosum (E. I v a n o v a) Bolch. var. tuberculatus E. I v a n o v a . :
c.130-131, .XXV, .11

65

2/3

5

2-3.

15

(57-72),

Trilobosporites cavernosum (. I v a n o v a)

. Voronova comb. nov.

Trignitrites rotaltš W l a n d and Krieger [2 , p.11, pl.1, f ig.1-2]

Trilobozonosporites (al. Trignitrites) rotalis (W e l a n d et r i eger) Poto-
n i e, [247, p.59-60, tat.8, fig.78].

Lygodium

cavernosum var. tuberculatus E. I v a n o v a [126, c.110-111, .31, .1, ,]

Trilobosporites cavemosum(E.I v

va)M. Voronova comb. nov.

co Trilobosporites
trireticubus Cookson and Dettmann [180, p.60, pl.XII, f ig.1-9],

Tri lobosporites.

.19

.430,6-431,0

.1, .603,5-608,5

Trilobosporites (Triobosporites) crassiangulatus Döring
.8, .58

7957. Cyethidites crassiangulatus I m e. Belme: p.22, pl.3, fig.39—41

1965. Trilobosporites (Trilobosporites) crassiangularis Döring: p.54, taf.XXIII, fig.3,4

199bu. Trilobosporites (Trilobosporites) weylandi Döring: p.53, taf.XIX, fig.4, 5

63

5

2/3

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2.

10

(50—75),

Trilobosporites hannonicus (Döring) Sprumont
and Sprumont) Potonie, [262, .71, 1.8,
fig.14, 15],

Trilobosporites (trilobosporites) crassiangularis Döring
Bolchovitina [19, .89, .1,], Lygodium mirabile

[160],

.476,7—482,8

.270,

.8, .66,5

Trilobosporites (Döring) Voronova comb. nov.
Ta6n.fi, .59

1965. Concavosporites giganteus Döring: p.32—33, taf.X, fig.1,2

81

3/4 — 1/2

(1),

3,5—4,5

7

3—4

2,5.

0,5—1—1,5

15

(67—94).

Trilobosporites giganteus
(Döring) M: V Voronova comb. nov.

Trilobosporites.

Trilobosporites verrucosus
(Döring) M: V and Sprumont) Voronova,

.407,2—411,211010,
.24,4 , .54.
Trilobosporites grand» (Bolchovitina) . Voronova comb. nov.
.8, .60
1956. Lygodium grandis Bolchovitina. : .55, .VI, .83
1954. Lygodioisporites sp. . Singh: .66, pl.8, fig.3
94
2/3
1,5
3—7 , 1—2,5
2,5—3
15
(85—100).
(58).
Trilobosporites (Pan t.) ex
Lygodium,
.407,2—411,211010,
.0121, .272,0—276,0
(); — :
().
Trilobosporites grossetuberculatum fBolchovitinaNLVoronova comb. nov.
.9, .61
1961. Lygodium grossetuberculatum (Bolchovitina) : .93, «11»-
1966. Tuberosisporites grossetuberculatus (BolchoVitina)Ddring. Dori ng: p.105, taf.11,
bild 1,2
1973. Varirugosisporites D r i n g. Sp.1. Rayne: p.130—131, pl.12, fig.8
55
2/3
5 10
15—8, 2—4 . 5—10
15
55.

Trilobosporites grossetuberculatum (Bole*
hovitina) M. Voronova
Trilobosporites crassus Brenner [164, p.70—71, pl.23,
fig.2],

(Trilobosporites grandis (Bolc-
hovitina) V v a, Trilobosporites apiverrucatus Couper, Trilobosporites
marylandensis Brenner)
Trilobosporites (a n t.) ex R. t n i , 1957.

.1139,
.272,0—276,0
.24,4
();
();

luarytendraah Brenner
.9, .62

- 1961. Lygodium sp. : .XXXIV, .5—7
- 1961. Lygodium bellum Ivanova. : .97, .25, .2^,
- 1962. Trilobosporites apiverrucatus Couper. : .43, pl.4, fig.69 only
- 1963. Trilobosporites marylandensis fl r e n e r: Brenner: p.71, pl.23, fig.5
- 1963. Trilobosporites tritootrys Dettmann. Dettmann: p.61, pl.XII, fig.10—14
- 1964. Trilobosporites marylandensis Brenner. Norris: p.95, pl.13, fig.3,5
- 1975. Trilobosporites marylandensis Brenner. Williams and Brideeux: p.66, pl.39, fig. 11
- 1975. Impsrdeciaporites marylandensis (Brenner) Srivastava. Srivastava: p.45, pl.22, fig.1— 3

75

2/3 3/4
1,5—2 3,4— 5
2,5—4, 1,5—1.

15

(68—83),

Trilobosporites marylandensis Brenner
Trilobosporites apiverrucatus Couper

Trilobosporites marylandensis Bren-
ner
Trilobosporites apiverrucatus, [173]
Trilobosporites marylandensis Brenner
Trilobosporites apiverrucatus [243, 262].
Lygodium bellum Ivanova ()
1961 Trilobosporites marylandensis
Brenner — 1964 ..

.547,
 .951,6—957,9
 .1, .2229—2236
 ;
 *
 () (-
); ()

Trilobosporites mi verrucosus (ĐoňngIM. Voronori comb. nov.
 .9, .63

1949. *Cardiangulma reticulata* f. *tupica* M a l j a v r i n . " : .36, .2, .12
 1955. *Concavissimisporites verrucosus* f. *verrucosus* D e i u r t and Sprumont. Delcourt and Sprumont: p.25, pl.2, fig. 1a
 1955. *Concavissimisporites verrucosus* f. *crassus* Delcourt and Sprumont. Delcourt and Sprumont p.25, pl.2, fig.1,b
 1958. *Concavisporites vanverrucatus* Couper. Couper: p.142, pl.22, fig.4, 5
 1961. *Lygodium variverrucatus* (Couper)Bolchovitina. : .100, .! XXVI, .5
 1962. *Concavisporites verrucosus* (Delcourt and Sprumont) Pocock. Pocock: p.46—47, pl 5, fig.73—74
 1964. *Concavissimisporites variverrucatus* (Couper)S i ngh. Singh - p.78, pl.9, fig.9—11
 1965. *Maculatisporites microverrucatus* D r i n g. During- p.1101, taf.11, di ld. 1 —6
 1965. *Cardionguima reticulata* Naly.Deak: p.20, pl.VI, fig.6
 1966. *Concavissimisporites punctatus* Burger- Burger: p.248, pl.19, fig.3
 .66

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 2 45
 2
 20
 (57—76)
 Trilobosporites

a n t. ex R. t n i . "microverrucosus" Trilobosporites

.503,
 .670,7—676,5
 .357, .448,8—
 465,8
 ;
 ;
 () ;

*Trilobosporites tedenkot** . Voronovs sp. nov.
 .9, .64

.270, .476,7—482,8 , .177,
 *

56

4

2/3

4

1

1/3

: 10x5,

7x6, 5x3

20

(47—68).

Tri lobosporites teslenkoi . Voronova

Tri lobosporites trioreticulos Coo k s n and Det-

t m a n n [171, p.109, pl.XVII, fig.1—3],

(2—3).

Ischyosporites amohalkus Srivastava [268, p.47—48, pl.24, fig.5, 6].

.345,0—347,2

.1,

Trilobosporites trioreticulosus Cookson end Dettmann

.9, .65

- 1958. Trilobosporites trioreticulosus Cookson and Dettmann. Cookson and Dettmann: p.109, pl.XVII, fig.1—3
- 1961. Lygodium trioreticulosus (Cookson et Dettmann) Bolchovitina. : .100, .5 - .8
- 1961. Lygodium trioreticulosum (Cookson et Dettmann) var. senomanicum E. Ivanova. : c.111—112, .31, .2, ,
- 1968. Trilobosporites trioreticulosus Cookson and Dettmann. Cookson and Dettmann: p.60, pl.XII, fig.1-9
- 1964. Trilobosporites trioreticulosus Cookson and Dettmann. Singh: p.73, pl.9, fig. 1,2
- 1967. Trilobosporites trioreticulosus Cookson et Dettmann Archangelsky and Gamarro: p.212, pl.1, fig.A
- 1969. Impardecispora trioreticulosa (Cookson et Dettmann) Venkatachala, Kar and Raza: p.124
- 1973. Trilobosporites trioreticulosus Cookson et Dettmann. Reyre: p.120, pl.7, fig.3
- 1975. Trilobosporites trioreticulosus Cookson and Dettmann. Norvick and Burger: p.123—124, pl.19, fig.5
- 1975. Impardecisporites trioreticulosa (Cookson et Dettmann) Venkatachala, Kar and Raza. Srivastava: p.46—45, pl.24, fig. 1—4

60

2/3

3/4

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1, 5

— 0,5—1,0

1,0—1,5

— 2,5

15

(55—65)

and Dettmann

'lobosporites trioreticulosus Cookson

Tri lobosporites.

Trilobosporites teslenkoi . V

v a sp. nov.,

.5302, . 160,0—166,0

.1, .503,5—608,5

TrHobosporites verrucosus (D I irr t and Sprumont)

M. Voronova comb. nov.

.9, .66

- 1955. Concavissimisporites verrucosus f. verrucosus Delcourt and Sprumont. Delcourt and Sprumont: p.26, pl.2, fig.1 a
- 1956. Concavissimisporites verrucosus Delcourt and Sprumont. Potonie: p.27, taf.2, fig.23
- 1961. Lygodium verrucosus (Delcourt and Sprumont) Bolchovitina. : c.100-101, .XXXVII, .2^,
- 1964. Concavissimisporites variverrucatus (Couper)Singh, Singh: p.18, pl.9, fig.9—11
- 1965. Concavissimisporites verrucosus Delcourt and Sprumont. Doring: p.31, 32, taf.XI, fig.1,2
- 1968. TrHobosporites apiverrucatus Couper. Hedlund and Norris: p.138, pl.III, fig.4
- 1972. Concavissimisporites variverrucatus (Couper) Brenner. Srivastava: p.10—11, pl.6,fig. 10—13
- 1973. Concavissimisporites verrucosus Delcourt and S p r u m n-t. R e y re: p.124, pl.X, fig.1—3
- 1974. Concavissimisporites verrucosus Delcourt and Sprumont. Hopkins: p.17, pl.4, fig.42
- 1974. Concavisporites variverrucatus Couper. Regali, Uesugui, Santos: p.267, pl.11, fig.3,4,6

68

2/3

3/4

2

3—4

20

(61—76)

Tri lobosporites.

Lygodium digitatum s l. [19, .4, -]

L. poly st achy um Wall. [19, .XXVI, .5].

.12, .280,0-285,5

.2229—2236

; — (); — ();
(); — ();

TrUefaoBporitas viaievii* . Voronov tip,
.10, .67

.0121, .263,0—266,0 , .1133, . 1,

75

10—15

15

(65—86)

Tri lobosporites viatovii M. Voronova
TrHobosporites cavernosum

(. Ivanova) . Voronova comb. nov. —

Lygodium caverno-

sum var. tuberculatum E. Ivanova [126, c. 11D—111, .31, . M,],

.350,0—360,0

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^21-

Pliciera Bolchovitina, 1866

МиртФ» «bHcata(I h vi11n) lch vitina

.10, .68

1968. PllcHera delicate (Bolchovltina)Bolchovtine
.15—17; -VI, .1—6,10—12

: —36, iwfin.V,

Q.C.

0,5

50

(16—33).
[20]

Plicifera de Heat

(Bolchovitina) Bolchovitina

— Plicifera, Clafivera, Gleicheniidites.

p.32, pi.5, fig.13]

Gleicheni idites delicatus (Bolchovitina) Pocock [245,

Plicifera delicata (Bolchovitina) Bolchovitina
Gleichenia polypodioides (L.) S w.

[126],

.391, .557,6—558,9

.5302,

160,0—166,0

Gleicheniidites Ross emend Bolchovitina, 1966

Gleicheniidites carinatus (Bolchovitina) Bolchovitina

.10, .69

1968. Gleicheniidites carinatus (Bolchovitina) Bolchovitina.

: .42,

IX

.15—23;

.1 15 (

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46

8

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(40—50),

Gleicheniidites carinatus (Bolchovitina)

Gleicheniidites rasilis (Bolchovi-

tina) Bolchovitina

[20]

Gleicheniidites carnatus

(Bolchovitina) Bolchovitina

Calymelia vulcanica (Ki.) P r e s l. Gleicheniastum microphyllum (Swartz)

Nakai.

.817, .665,0—670,0 . .0121, .263,0—

26 .0

6 " « eircimdrts (Coo kion) Deft mann
.10, .70

1953. Gleichinia cieciniidites Cookson. Cookson: p.464—465, pl.1, fig.5—6
1953. Gleichenia umboneta Bolchovitina. : c.53—54, .VIII, .4—7
1957. Gteiehenia of. G.cireinities Cookson. Balme: p.23, pl.3, fig.42—44
1959. Gleicheniidites (Laticrassisporites) circinidites (Cookson) Krutzsch. Krutzsch: s.113
1959. Gleicheniidites umbonatus (Botch.) Delcourt et Sprumont Delcourt and Sprumont:
p.34, pl.4, fig.6—7
1959. Gleichenia *umbonate* Bolchovitina : .98, .43 -
1961. Cingutritetes interruptus P i r c e. Pirce: p.26, pl.1, fig.5
1961. Gleichenia circinidites Cookson. : c.44—45, .1, .19—21
1961. Gleichenia umbonata Bolchovitina. : .47—48, .13, .4—5
1961. Gleichenia circinidites \$. : .51—52, .14, .6—7
1962. Gleichenia circinidites Cookson. : .11, .1
1963. Gleicheniidites cf. G. cercinidites (Coo kson) Dettmann. Dettmann: p.65, pl.VIII, fig.6—10
1963. Gleicheniidites circinidites (Cookson) Brenner. Brenner: p.53, pl.11, fig.4, 5
1964. Gleicheniidites senonicus Ross, Singh: p.69, pl.B, fig.non 8
1964. Gleicheniidites (Laticrassisporites) circinidites (Cookson) W.Kr. Brellie: p.130—131, taf.4,
fig.9-10
1965. Gleicheniidites (Tiremispores) bolchovitinae Do ri'ng. During: p.29, taf.VII, fig.7, 8
1965. Gleicheniidites (Triplexisporites) triplex (Bolchovitina) Krutzsch. During: p.30, taf.VII,
fig.11-13
1965. Gleicheniidites (Tiremispores) delcourt! D 6 r i n g. Diking: p.29—30, taf.XVIII, fig.9,10
1965. Gleicheniidites umbonatus (Bolchovitina) Krutzsch. D e a k: p.57, pl.1, fig.14
1965. Gleicheniidites nigra (Bolchovitina) Krutzsch. Greek: p.57, pl.1, fig.13
1965. Gleichenia circinidites Cookson. Stanley: p.246, pl.28, fig.15, 16
1966. Gleicheniidites circinidites (Cookson) Brenner. Burger: p.238, pl.3, fig.1
1967. Gleicheniidites sp. Archangelsky and Gamarro: p.212, pl.1, fig.K
1968. Gleicheniidites umbonatus (Bolchovitina) Bolchovitina. : .41, .IX,
.1—9
1970. Gleicheniidites circinidites (Cookson) Brenner. Habib: p.353, pl.2, fig.1
1970. Gleicheniidites umbonatus (Bolchovitina) Pocock. Pocock: p.31, pl.5, fig.5
1975. Gleicheniidites circinidites (Cookson) Dettmann. Norvick and Burger: p.125, pl.22,
fig.3-7
1975. Gleicheniidites circinidites (Cookson) Dettmann. Romans: pJ3O1, pl.2, fig.5
1978. Gleicheniidites senonicus Ross. Wilson: p.115—116, pl.3, fig.8

33

3—4

1—2

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(26—40),

Dettmann (Bolchovitina) *Gleicheniidites ciricinidites* (Cookson)
Gleicheniidites rasilis JBo

circinidites (Cookson) Dettmann
[170]
Gleichenia cercinata

1953 Swartz,

.357, .437,8—448,8
.484, .537—598
().

Gleicheniidites latifolius During

.10, .7

1965. *Gleicheniidites* (*Triremisporites* ?) latifolius D b r i n g. Doring: p.30, taf.VI, fig.9, 10
1968. *Gleicheniidites latifolius* Doring. : c.41—42, .IX, 10

38

— 4—4,5

1,5

1—1,5

2—4

15

(35—42).

Gleicheniidites latifolius "Doring

Gleicheniidites.

.236,0—240,0 .0123,
62,5 .049, .59,1—

Gleicheniidites redietus (Bolchovitina) Bolchovitina

.10, .72

1853. *Gleichenia radiata* Bolchovitin . : .54, .14, 15

1959. *Gleichenia radiata* I h vitin . : .97, .11, .39

1959. *Gleicheniidites* (*Radiatisporites*) radiatus (Bo Jhovitina) Krutzsch, KTutzsch: p.114—115

1968. *Gleicheniidites rasilis* (Bolchovitina) Bolchovitina. : .43, .1,

.1—7
30

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(23—32) ;

Gleicheniidites radiatus (Bolchovitina) Bolchovitina
Gleicheniidites Bolchovitina [20] — *Gleicheniidites circinidites* (Cookson)
Dettmann G. rasilis (Bolchovitina) Bolchovitina

.0123,

.209,0—212,0

.391, .557,6—558,9

Gleicheniidites (Chionov) Voronova comb. nov.
.10, .73

1960. *Gleichenia?* Chionova : .20—21, .9—10

1961. *Gleichenia?* Chionova : .45, .III, .20

1961. *Gleichenia* Chionova. : .55, .15, .4^ -

1963. *Gleicheniidites* cf. *G. circinidites* (Cookson) Dettmann. Dettmann: p.65, 66, pl.XIII, fig. non 89

1968. *Gleicheniidites senonicus* Ross. : c.38—40, .VII, 31,32

20

1,5.

(1—1,5)

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(18—22),

Gleicheniidites (Chionova) V
v a comb. nov. *Gleichenia dicarpoides*
Grigoriyev-a [126, .49—50, .13, .10, 12; .14, .1—2],

[141]

Gleicheniaceae — *Gleichenia glauca* (Thund.) Hook, -
, ,
, , ,
. Voronova. Dipteridaceae, Gleicheniidites (Chlonova) -
Clathropteris Dictyophyllum, -
. , , - - -
, .484, .587—59 . , , , .0123, .209,0—
212,0 . , , . : —
- ; — (-
-). : —

Gleicheniidites rasilis (Bolchovitina) Bolchovitina
.10, .74

1953. *Gleichenia rasilis* Bolchovitina. : .53, .VII, .16—18
1957. *Gleichenia* cf. *G. circinidites* Cookson. Balme. p.23, pl.3, fig.42—44
1961. *Gleichenia rasilis* Bolchovitina. : c.54—55, .15, .2, , 3
1962. *Gleicheniidites senonicus* Ross. Groot and Groot: p.147, pL11, fig.S—7
1967. *Gleicheniidites (Laticrassisporites) feronensis* (De la Rive and Sprumont) Delcourt and Sprumont. Brellie: p.130, taf.4, fig.4—6
1964. *Gleicheniidites senonicus* Ross Singh p.69, pl.8, fig. non 8
1965. *Gleicheniidites (Tnremisporites) delcourtii* Dring. Dotting: p.29—30, taf.XVIII, fig.9—10
1965. *Gleicheniidites (Tnremisporites) minor* Dotting. Dotting: p.28—29, taf.V, fig.9—11
1966. *Gleicheniidites feronensis* (De la Rive and Sprumont) Delcourt and Sprumont. Burger: p.238—239, pl.4, fig.4
1968. *Gleicheniidites rasilis* (Bolchovitina) Bolchovitina. : .43, ,
2—5
1970. *Gleicheniidites trianguius* (Stal) Habib* 354, pl.2, fig.-10,a
1976. *Gleicheniidites*. Ameron and Ather: pl.5, fig.2

, , 32 .
- , - -
, , — (3—4) -
, , 3/4 . -
. (2,0) .
. 50 .
. (24—40) .

. *Gleicheniidites rasilis* (Bolchovitina) Bolchovitina
Bolchovitina
.464, pl.1, fig.5—6]
, *Gleichenia circinidites* Cookson [170,
, *Gleichenia trianguius* Stanley -
[270, .247, pL28, fig.17—19]
. .8,
.520,5—533,00123,
.209,0—212,0 . , , . : —
- ; — ; — —
; ; — ; ;

Gleicheniidites wnonicus Ron

.10, .75

- 1949. Gleicheniidites senonicus R o-s s. Ross: p.31, pl.1, fig.3
- 1953. Leiotripletes orientalis Bolchovi tina. : .24, .ll, .11—14
- 195B. Gleichniidites senonicus R s s. Couper: p.138, pl.19, fig.13—15
- 1963. Gleicheniidites senonicus Ross. Brenner: p.53, pl.11, fig.6
- 1963. Gleicheniidites senonicus Ross. Levet-Carette: pl.XVII, fig.27—28
- 1964. Gleicheniidites senonicus Ross. Skarby: p.59—77, pl.1, fig.1—11
- 1965. Gleicheniidites (Gleicheniidites) major Doring. Doring: p.27, taf.VII, fig.6—8
- 1966. Gleicheniidites simplex Burger. Burger: p.239, pl.3, fig.3, 4
- 1968. Gleicheniidites senonicus (Ross)Delcourt and Sprumont. Hedlund and Norris: p.158, pl.HI, fig.6
- 1970. Gleicheniidites senonicus Ross. Habib: p.353, pl.2, fig.2
- 1972. Gleicheniidites senonicus Ross. Srivastava, p.15, pl.19, fig. non. 14—16
- 1975. Gleicheniidites circinidites (Cookson) Dettmann, Romans: p.301
- 1975. Gleicheniidites circinidites (Cookson) Dettmann. Romans: p.301, pl.2, fig.5
- 1975. Gleicheniidites senonicus Ross. Srivastava: p.41, pl.18, fig.7—15
- 1976. Gleicheniidites senonicus Ross. Saad and Ghazaly: p.414, pl.1, fig. 9

22

2—2,5.

30

(20-25),

Gleicheniidites senonicus Ross

Gleicheniidites. 1964

[264]

Gleichenia angulata Bolchovitina, Gleichenia umbonata Bolchovitina,
 Glychenis st e Hata Bolchovitina, Gleichenia laeta Bolchovitina, G. concavi-
 spo rites R u s s e. Neogen isporites neogenicus Krutzsch, Gleichenia circinidites
 Cookson . . . [20]

Gleicheniidites senonicus R s s.

Gleicheniidites senonicus Ross

Gleicheniidites

Gleicheniidites senonicus R s s

Gleicheniidites senoriicus Ross

Gleicheniidites circinidites (Cookson) Dettmann

Gleicheniidites rasilis (Bolchovitina)

Bo Ichovitina

.357, .437,8—448,8 .
.5302, .160,0—166,0

GteMhèninHtM toriooncavus Krutzsch

.10, .76

1959. Geicheniidites (Toridistalisporites) toriooncavus: Krutzsch, .112, fig.110—111

1965. Geicheniidites (Toridistalisporites) fsp. A. aff. toriooncavus Krutzsch. Döring: p.28, taf.V, fig.12, 13

1968 Geicheniidites fsp. A. aff. toriooncavus Krutzsch. * .45, .XI, .20—22

28

2—3
2,5—3,5

20

24—32

Geicheniidites toriooncavus Krutzsch

[214]

X [189],

.0121,

.279,0—289,0

.0123, .236,0—240,0

Clavifera Bolehovitina, 1966

Clavifera jachromiensis Bolehovitina

.11, .77

1961. Geicheniidites triplex (Bolehovitina) G rigor jv . : .53, .16, .10

1968. Clavifera jachromiensis Bolehovitina. : .47, .18—20

1968. Clavifera triplex (Bolehovitina) Bolehovitina. Dettmann and Playford: p.77, pl.6, fig. non 8

1974. Clavifera triplex (Bolehovitina) Bolehovitina. Hopkins: p.16, pl.4, fig.39

1975. Clavifera triplex (Bolehovitina) Bolehovitina. Hlorvick and Burger: p.126, pl.22, fig.11,12

38

(6—7)

(4)

20

(31—46)

Clavifera jachromensis Ichovitina
triplex (Bolchovitina) Bolchovitina

.5305—533

.484, .596,4—604,4

Clavifera triplex (Bolchovitina) Bolchovitina

.11> .78

- 1953. Gleichenia triplex Bolchovitina. : .54, . 1 , .10—13
- 1959. Gleicheniidites (Triplexisporites) triplex (Bolchovitina)W, Krutzsch Krutzsch: s.114
- 1961. Gleicheniidites triplex (Bolchovitina) Grigoryeva. : c.63—64, .16,
- 1966. Clavifera Bolchovitin . : .68—69.
- 1968. Clavifera triplex (Bolchovitina) Bolchovitina. : .46, .XI, .23,
27, 28; .X11, .1,6-8, 11,15
- 1976. Clavifera triplex (Bolchovitina) Bolchovitin a.Ameron, Her ngreen, Romein: pl.5,
fig.3

49

(4)

(8 , 6)

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(38—52)

[20]

[126]

Bolchovitina Clavifera triplex (Bolchovitina) Clavifera Ichovitina.
Gleicheniidites,
Gleicheniideae. Clavifera Bolchovitina

.536, .737,5—743,6

.0111, .119,3—121,0

Omamentifera Bolchovitina, 1966
Omamentifera echinate (Bolchovitina) Bolchovitina
 .11, .79

1953. *Gleicheniaechinata* Bolchovitina. - : c.55, -VIII, .17
 1953. *Gleichenia conspicienda* Bolchovitina. : c.54, -VIII, .16
 1959. *Glecheniidites* (*Peregrinisporites*) *echinatus* (Bolchovitina) Krutzsch. Krutzsch: s.114
 1961. *Glecheniidites echinatus* Bolchovitina : .61, .16, .1, - ; 2>c; 3
 1966. *Ornahientifera echinata* (Bolchovitina) Bolchovitina. : c.69—70
 1968. *Omamentifera echinata* (Bolchovitina) Bolchovitina. : .50, .XVI,
 .1—4

30

50

(29—34)

Omamentifera echinata (Bolchovitina)
Omamentifera peregrina (Bolchovitina)

Bolchovitina
tina) Bolchovitina

.0121,

.279,0—289,0

.049, .59,1—62,5 , .4492.

() ;

Omamentifera peregrina (Bolchovitina) Bolchovitina

.11,

1953. *Gleichenia peregrina* Bolchovitina . : .55, .VI11, .18
 1961. *Glecheniidites peregrinus* IB (Bolchovitina) Grigorjeva. : c.62—63, .16,
 .6,7 ,
 1968. *Omamentifera peregrina* (Bolchovitina) Bolchovitina . : .52, .VI,
 .24

30

2,0—3,8

1—0,6

- (27—32).
 Ornamentifera reg ri (l h.) l h.
 Ornamentifera tuberculata (l h.) l h.
- .484, .596,4—604,4 . .0111,
 .119,3—121,0 .
- pannttta .Voronova
 .11, .81
- 196fi. Ornamentifera granulate (Grigorjeva) Bolchovitina. : .51, ia6n.XVI,
 9, 10,13,16
1976. Ornamentifera punctata .Voronova. : .42—44, .III, .1—7
 36
- 6—10 , 1.
- (34—42),
- Ornamentifera punctata . V v -
 Ornamentifera granulata (Grig.) l h. [20, .51, . XVI,
 .5—20]
- (20).
 Ornamentifera sentosa D t t. and P l a f. [182, p.78—79, pl.6, f ig.9—12]
 or Ornamentifera punctata M. Voronova (-
- Gleicheniidites latifolius D 6 i g [189, .30,
 taf.VI, fig.9, 10]
- .366—370 . .21,
 .049, .46,0—46,6 .

OmamuntMara tubaroilato (Griegorjeva) Bolchovitina¹

- .11, .82
1961. Gleicheniidites tuberculatus Grigorjevā. : .62, .16, .4, - , 5, -
1966. Ornamentifera tuberculata (Grigorje.v a) Bolchovitina. : .69—70
1968. Ornamentifera tuberculata (G r l g r j e v a) Bolchovitina. : c. 51—52,
 .XVI, .21—23
1968. Piio*isporhes brevipapillosus Brenner. Hedlund and Norris: p.138, pl.III, fig.B
1970. Gleicheniidites granulatus Grigorjeva. Pocock: p.31 —32, pl.5, fig.6

(22—30)

Ornamentifera tuberculata (Bolchovitina) Bolchovitina
Ornamentifera peregrina (Bolchovitina) Bolchovitina.

Ornamentifera

sentosa Dettmann and Playford [182, p.78—79, pl.6, fig.78—79, pL6, fig.9—12]

.0121,

.269,0—272,0

.266,0—269

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Cyathidites Couper, 1953
Cyathidites* australis Couper

.11, .83

- 1953. Cyathidites australis Couper. Couper: p.27, pl.2, fig.11,12
- 1953. Lygodiosporites adriennis Potonie et Gellertich. mesozoicus Thiergart. Cookson: p.470, pl.2, fig.29
- 1956. Cyathidites mesozoicus (Thiergart) Potonie. Potonie: p.14
- 1957. Cyathidites australis Baime. Baime: p.21—22, pl.2, fig.34—35, pl.3, fig.36
- 1958. Cyathidites australis Couper. Couper: p.138—139, pl.20, fig.8
- 1958. cf. Matoniosporites equixinus Couper. Lantz: p.33, pl.1, fig.2, 3
- 1961. Lygodiumsporites adriennis Potonie et Gellertich. : c.104—105, .XXXI, .3, ,
- 1963. Cyathidites australis Couper. Dettmann: p.22, pl.1, fig.1—3
- 1963. Leiotriletes type A I = Cyathidites australis (Couper). Saad: p.120, pl.33, fig.1—3,5
- 1963. Cyathidites sp. Brenner: p.54, pl.11, fig.9
- 1964. Cyathidites australis Couper. Singh: p.70, pl.8, fig.12
- 1965. Cyathidites cf. australis Couper. During: p.19, taf.III, fig.1—3
- 1965. Leiotriletes mecklenburgensis Dönig. Dönig: p.20—21, taf.IV, fig.3—6
- 1966. Cyathidites australis Couper. Burger: p.237, pl.5, fig.2
- 1966. Cyathidites australis Couper. Hedlund: p.11, pl.1, fig.12
- 1967. Cyathidites australis Couper. Norris: p.86, pl.10, fig.1
- 1967. Deltoldospora psilostoma Rouse, Norris: p.86, pl.10, fig.8
- 1967. Biretisporites potoniaei Durrant and Sprumont. Norris: p.87—88, pl.10, fig.12
- 1971. Cyathidites hausmanioides Kuznetsov. : .105, .XXIII .4
- 1975. Cyathidites minor Couper. Van Koniynenburg van Cittert: p.302, pl.2, fig.9
- 1976. Cyathidites australis Couper. Saad and Ghazaly: p.412, pl.1, fig.3—5

49

(40—58),

Cyathidites australis Couper

Cyathidites, Matonisorites, Lygodiosporites, De Itoi do-
 spera, Biretisporites
 Leiotriletes,
 [172] (4] (0,5],
 Cyathidites hausma-
 moides i zitschkina.
 P. [173]

.345—347,2 .1,
 .1, .548,0—551,2 .
 ();
 ();

CyathidHm minor Couper

.11, .84

- 1953. *Cyathidites minor* Couper. Couper: p.28, pl.2, fig. 13.
- 1953. *Leiotriletes varius* Bolchovitina. : c.21, .1, .20
- 1953. *Coniopteris notabilis* (Naumova) (= *Leiotriletes notabilis* Naumov a) Bolchovitina
 : c.18—19, .1, .7
- 1953. *Lygodiosporites adriennis* P t n l e and Gelletischf. mesozoicus T riergart. Cook-
 son- p.470, pl.2, fig.30
- 1956. *Coniopteris* sp : c.32—34, .1, .10—11;12—13
- 1958. *Cyathidites minor* Couper. Couper: p. 139, pl.20. fig.9, 10
- 1958. *Cyathidites* cf. *minor* Couper. Zantz: p.34, pl.1, fig.6
- 1961. *Lygodiumsporites* (*Punctatisporites*) *adriennis* PotonleetGelletich. :
 c.104—105, .XXXI, .3,
- 1962. *Coniopteris* cf. *hymenophylloides* (Brongn.)Sew, : .113,72 - ,
- 1962. *Cyathidites minor* Couper. Pocock: p.43, pl.4, fig.57—58
- 1963. *Cyathidites minor* Couper. Dettmarm: p.22—23, pl.1, fig.4, 5
- 1963. *Leiotriletes* Type (= *Cyathidites minor* Couper) Saad: p.120, pl.33, fig.6—8
- 1963. *Cyathidites minor* Couper. Brenner: p.53—54, pl.11, fig.7
- 1964. *Coniopteris* sp. : .157,4—8
- 1964. *Coniopteris* sp. : .167, .VII, .13,14
- 1964; *Coniopteris* sp. : .188, .XV. .4—8
- 1964. *Cyathidites minor* Couper. Singh: p.71, pl.8, fig.13
- 1965. *Leiotriletes ɓalowensis* Dõr i ng. During: p.22, taf.1, fig.10,11
- 1966. *Coniopteris* sp. : .132,18—22
- 1966. *LaraccetrilleteS papyrus* u r g e r. Burger: p.240, pl.5, fig. 1
- 1966. *Cyathidites minor* Couper, Hedlund: p.12, pl.2, fig.2
- 1967. *Cyathidites minor* Couper. Norris: p.86, pl.10, fig.2
- 1971. *Cyathidites minor* Couper. : .106,
- 1973. *Cyathidites minor* Couper. Revre: p.104, pl.1, fig.3
- 1981. *Cyathidites minor* Couper. Helmar: p.16, taf.2, fig.5

36

2/3 3/4 (0,5 1),

100

(31—42),

Cyathidites minor Couper

Coniopteris hymenophylloides (Bron g.) Sew.

[24, .152—153, .2, -].

[17, 111, .]

Coniopteris.

Cyathidites minor Couper

.241,7—244,7

.0121,

.1, .2229—2236

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Cyathidites platigonus Rominov«k»ji

.11, .85

1949. *Sporites adriensis* t n i mesozoicus Triergart. Triergart: p.11, pl.2, fig.3

1982. *Cyathidites platigonus* Romanovskaja. : c.20—21, .1, .7

38

4/5

1,5

10

(35—45).

[88]

Cyathidites concavus (Bolchovitina) Dett ma nn

[180, p.24, pl.1, fig.17—19],

Cyathidites platigonus Romanovskaja

.411,2—415,3

?11010,

.501,

.611,8—616,8

Matonisorites Couper, 1968

Matonisorites equixinus Couper

.11, .86

1958. *Matonisorites equixinus* Couper. Copper: p.116, pl.20, fig.13,14

1962. *Matonisorites equiexinus* Couper. Groot and Groot: p.151, pl.III, fig.1—3
 1963. *Dictyophylidites* (al. *Matonisorites*) *equiexinus* (Couper) Dettmann. Dettmann: p.27
 1965. *Leiotrietes brevradlatus* Dorin'g. Dorin g: pl.VI, fig.1—2
 1966. *Matonisorites equiexinus* Couper. Burger: p.240—241, pl.2, fig.3
 1966. *Matonisorites* cf. *M. equiexinus* Couper. Hedlund: p.13, pl.2, fig.4
 1970. *Matonisorites equiexinus* Couper. Habib: p.353, pl.1, fig.9—10
 1973. *Matonisorites equiexinus* Couper. Reyre: p.108, pl.2, fig. non 13
 1976. *Matonisorites equiexinus* Couper. Saad and Jhazaly: p.414, pl.1, fig.6

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(1,5)

(0,5)

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(46—54)

1963

[180]

Dictyophylidites Couper

Matonisorites equiexinus Couper

Dictyophylidites.

Dictyophylidites.

[88]

Matonisorites.

Matonisorites equiexinus Couper

[173]

Phleboteris anustiloba (s 1.) Hirn and Hoerhammern *Matonisorites goepfertii* (E t t.) Schenk.,

.2229—2236

.547,

.951,6—957,9

().

Matonisorites phleboteroides Couper

.11, .37

1958. *Matonisorites phleboteroides* Couper. Couper: p.140, pl.20, fig.15—17

1964. *Toroisporis* (*Crassiangulisporis*) *planitorosus* D r i n g. Ddring: p.1102, taf.I II, blld non 9

1965. *Matonisorites phleboteroides* Couper. : c.44—45, .1, .14

1974.. cf. *Matonisorites* fsp. Damato Avanzl: tab.XV, fig.3,a, b

64

2—3

2

4-78.

Matonisorites phleboteroides Couper
 Matonisorites simplex D a k [176, p.19—20, p.1.1, fig.8] ;

[173]

Matonia pectinate R.

Ph leopter is hirsute S a h n i a. Sitholey, P. muenster i (Schenk)
 Hirme a. Hoerhammer P. indica Sahni a. S i t h l e y.

.0121,

.269,0—272

.11010, .388,1—403,3

(); — ();

Concavisporites (f l f d, 1952) Delcourt
 and Sprumont, 1955

Concavisporites dubia (B olchovitina) M. Voronova comb. nov.

.11, .88

1953. Dicksonia dubia Bolchovitina. : .47, .VI, .9

1964. Concavisporites (Obtusisorites) hexagonalis Kedves et Simoncsics. Kedves et Simoncsics: p.28, taf.7, fig.12—14

1969. Cf. Toroisporites (Duplotoroisporis) distalitorus Krutzsch. Kedver: p.21, pl.VII, fig.14—16

1914. Pacaoncancavisporites pseudoauriculatus D'amato Avanzi: p.14, p.X, fig.7, e-d

1981. Concavisporites (Obtusisorites) hexagonalis Kedves et Simoncsics, *Helmar*: p.13, taf.1, fig.6

38

(3—3,5),

15.

(30—46).

Concavisporites dubia (Bolchovit in)

M.Voronova comb. nov.

Concavisporites postregularis (Krutzsch) . Voronova comb. nov.

Concavisporites dubia (l h.) . Voronova comb. nov.

Concavisporites.

Concavisporites.

antarctica R.B . [127, .1, .7 *].

Dicksonia

.209—2120123,
 .5302, . 160,0—166,0
 () ;

* fodorevee* M.Voronoviei. nov.
 .12, .89

1974. Concavisporites fsp. D'amato Avanzi: p.28, taf.XXXI V, fig.2

.0123, .209—212 , .1149,
 4/5
 35
 4/5
 1—1,5
 10
 (30—41).

Concavisporites fedorovae . Voronova
 sp. nov. Acquit ri rad ites
 inf rapunctatus Lantz [221, p.36, pl.1, fig.20],

Aequi tri rad ites intrapunctatus Lantz

Concavisporites.

.391, .556,6—557,64 4,
 .596,4—604,4

Concavbaorites grievae** . Voronovs >. nov.
 .12, .90

.049, .591—625

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41

3—4

15

; (37—45)

Concavisporites griazevae . Voronova
Concavisporites dubia (Bolchovitina) . Voronova
 comb. nov.

V-

Dictyophy llidites (jersy) Playford and Dettmann [242, p.182, taf.12, fig.1— 3],

Concavisporites.

.484, .596,4—604,4 .5302, . 160,0—
 166,0

Concavisporites junctum (Kar - urz) . Semenova
 .12, .91

- 1954. *Cibotium junctum* Kar - u z . : .35—36, .1, .4—9
- 1966. *Cibotium junctum* Bolchovitina. : .37, .III, .25^-
- 1962. *Cibotium junctum* Kar - u z . : .112—11-3, .71. >
- 1962. *Divisisporites* (*Divisisporites*) fsp. A. Krutzsch: .74, taf.30, fig.1—3
- 1963. *Gleicheniidites apilobatus* Brenner. Brenner: p.52, pl.11, fig.3
- 1963. *Deltoidsporites hallii* Miner. Levet-Caretse: pl.XVII, fig.11—12
- 1964. *Deltoidospora junctum* (Kar a-M u al S i n g h. Singh: p.81, pl.9, fig.16
- 1966. *Cibotium junctum* Kar a-M u r z . : .131, .XXVII, .16,17
- 1967. *Deltoidospora juncta* (Kar a-M u r z a) S i n g h. Norris: p.86, pi.10, fig.4—5
- 1969. *Cibotium junctum* Kar a-M u r z . : .48, .III, .10
- 1970. *Concavisporites junctum* (Kar a-M u r z a) Semenova : .28, .69, -
- 1970. *Concavisporites polaris* (Kar a-M u r z a) S e m e n o v a : c.27, .68
- 1971. *Cyathidites junctum* (K. a r a - M u r z a) A l i m v. : c. 107, .XXIII, .6
- 1973. cf. *Deltoidospora junctum* (Kar a-M u r z a) S i n g h. Reyre: p.109—110, pl.3, fig.8—9
- 1974. *Deltoidospora juncta* (Kar a-M u r z a) S i n g h. Hopkins: p.18, pl.4, fig.49
- 1976. *Concavisporites sinuatus* (Couper) Krutzsch. Saad and Ghazaly: p.416, pl.2, fig.4

31

1

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(24—38)

Concavisporites jinctum (

Concavisporites kainophyticus (u t z sch)

z) S

M. Voronova comb. nov.

.391, .556,0—556,6

.484,

898,4—604,4

Cowieporitas I m «

.12, .92

- 1957. *Concavisporites jurienensis* a l m . Balme: p.20—21, pl.2, fig.30—31
- 1958. *Auritulirmsporites intrastriatus* Nilsson. Nilsson: p.36—37, taf.1, fig.17
- 1963. *Deltoidisporites neddeni* (Potonie) Danz e-C orsin et Laven e. Danze-Corsin et Laven e: pl.XVII,fig.21
- 1963. *Concavisporites* Type D. Saad: p.120, plJ33, fig. 18
- 1963. *Concavisporites* Type E. Saad: p.120, pl.33, fig.21
- 1964. *Concaviotde* Form 1. Brelie": p.133, taf.2, fig.2
- 1964. *Concavioide* Form 2. Brelie: p. 133, taf.2, fig.4
- 1964. *Concavisporites* cf. *jurienensis* Balme. Brelie: p.132, taf.2, fig. 1
- 1966. *Concavisporites*cf. *C. jurienensis* a l me. Hedlund: p.12, pl.1,fig.11 b ,a,
- 1966. *Concavisporites jurienensis* Balme. Burger: p.237, pl.4, fig.6
- 1966. *Concavisporites jurienensis* Balme. Burger: p.237, pl.2, fig.2
- 1971. *Concavisporites micropunctatus* D'a matoAvenzi. D'amato Avenzi: p.29, pl.XXXIV, fig.3
- 1975. *Dictyophylfidites* spA. Romans, p.306, pl.4, fig.5
- 1981. *Concavisporites jurienensis* Balme. Helmar: p.13, taf.1, fig. 10
- 19B1. *Concavisporites intrastriatus* (N i l s s n j A r j a n g. Helmar: p.13, taf.1, fig.8—9

27

(1—1,5)

15

(23—30 .)

Concavisporites juriensis Ba Im
Cibotium corn! cu latum Bolçovitina
[17, .37—38. .III, 26, -], [17]

[276] Laevigatisporites [247] neddeni (Potonie) Thomson and
P f l u g, [164, 174],
Concavisporites juriensis a l m

. 154,0—160,0 . .5302,
.391, .556,0—556,6

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ConcBVnporites kainophyticus (Krutzsch.)
M. Voronova comb. nov.

.12, .93

- 1958. Deltoisporites hallii Miner. Lantz: p.32, pl.1, fig-1
- 1959. Toripustulatisporites kainophyticus Krutzsch. Krutzsch: p.89—90, taf.26, fig.282—284
- 1962. Concavisporites (? Obtusisporites) fsp.5. Krutzsch: p.406, taf.46, fig.15—18
- 1963. Concavisporites Type D. Saad: p.120, pl.33, fig.18
- 1963. Dictyophyllidites sp. Brenner: p.35, pL12, fig.4
- 1965. Dictyophyllidites mortoni (de Jersey) Playford et Dettmann. Playford et Dettmann p.132, pl.12, fig.2
- 1965. Dictyophyllidites mortoni (de Jersey) Playford et Dettmann. Playford: pl.6, fig.8—3
- 1966. Deltoidisporites hallii Miner. Levet-Carette: p.155, pl.XI V, fig.6
- 1966. Concavisporites sp. Hedlund: p.13
- 1975. Dictyophyllidites Couper or Paraconcavisporites I a u \$. D'amato Avanzi: p.32, pl.VII, fig.3,fa,b

4/5
0,5
().

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(24—36)

Concavisporites kainophyticus (Krutzsch)
Voronova

Dictyophyllum vulgare (a l j a v k i n)
Kruchinina [88, .11, .1, . , 4]

Concavisporites juriensis a l m [160, .20—21, pl.2, fig.30—
31]

Concavisporites.

.556,6—557,6 , .391.

.), .2618, .130,5—136,6

Concavisporitas kruchtinae* . V v . nov.
.12, .94

.5302, .154—160 , .605, .1.

2/3

26

2/3

1

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(24—28),

Concavisporitas kruchtinae M. V. Voronova

sp. nov. no

Toroisporis (Toroisporis) fsp.A. 1189, p.26—27, taf.VII,

fig.4, 5].

.381,5

.269,0—272,0

.57,

.0121,

Concavisporitas (Krutzsch) M. Voronova comb. nov.

.12, .95

1962. Leiotrifetes maxoides maxoides Krutzsch. Krutzsch: p.18, taf.2, fig.1—3

76

2—2,5

"pseudotoroides ? lieu" (

2/3

*

15

(62—89)

Concavisporites.

Transbacuhspo-

rites grandiusus D r i n g [189, p.23, taf.IV, f tg.12].

Microreticulatisporites cf. opucus L e s c h i k, emend Klaus,
E. [238, p.17—18, pl.III, fig.5],

Lygodium.

.11010, .418,3—422,1

ConcavisporitM mesocoicus (Dtiring)M. Voronova comb. nov.

.12, .96

1965 Toroisporites (Toroisporites) mesozoicus Doring. Doring: p.25, taf.VH, fig. 1—3

1966. Auritulinasporites deltaformis Burger. Burger: p.236, pl.5, fig.4

1966 Auritulinasporites complexis Burger. Burger: p.236, pl.5, fig.3

1973. Matonisporites eguiexinus Couper. Reyre: p.10B, pl.2, fig. non 14

52

5—6

2,5—3

15

(46—58)

Concavisporites mesozoicus (D fi i g)

M. Voronova comb. nov. co Phlebopteris
regular is (Naumova) Bolchovitina, [17]

[253]

Mato-

nisporites eguiexinus Couper,

Concavisporites mesozoicuš (Doring) M.Vorono

v a comb. nov.

Auntulinispones cf. scamus N i l s s n
[175].

Concavisporites.

X. [189]

Matonia pectinate [173, .117,

pl.20, fig-11, 12].

.577, .418,3—423,8

.0123,

209—212,0

Concavisporites minor Voronova nov.
.12. .97

1953. Laevigatisporites neddeni t n i subsp. irregularis Pflug in Thomson and Pflug. Thomson and Pflug: p.54, pl.2, fig.2—7
1967. Laevigatisporites cf. Laevigatisporites neddeni (Potonie) Thomson and Pflug. Balme: p.24, pl.4, fig.49
1963. Deltoisporites hallii Miner. Danze-Corsin et Lavene: p.118, pl.XVII, fig.7
1964. Leiotriletes regularis (Pflug.) Krutzsch. Brell: p.122, taf.1, fig.3
1974. Dictyophyllidites Couper or transition forms to Paraconcavisporites I a u s. D Amato Avanzi: p.32, pl.VII, fig.2,f-c
1981. Concavisporites reissingeri (Kedves and Simoncsics) Arjanog. Helmar: p.14, taf.1, fig.14, 15.

.484, .587,0—596,0 .159, npen.la.

20

0,5

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(19—21).

Concavisporites minor V v a sp.
Concavisporites kainophyticus
nov. (Krutzsch) Voronova comb. nov.,

[160]

Laevigatisporites Polypodiaceoisporites
Concavisporites.

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[174]

Dictyophyllidites Couper

Paraconcavisporites.

Concavisporites,

.391, .556,6—557,6 .1038.

.0123, .214,0—218,3

Conoavieporites pectinatoef orm k (Bolchovitina)

M. V. n va comb. nov.

.12, .98

1953. Matonia peetinataeformis Bolchovitina. : cS6, .23
1963. Dictyophyllidites pectinaeformis (Bolchovitina) Dettman n, Det man nr p.27—28, pl. 11, fig.9-12
1965. Deltoisporites neddeni (P t 1 e) D a n z e-C r s l n, Lavene, Danze-Corsin et Lavene: pi.XVII, fig. 18
1965. Concavisporites tumidus Playford. Playford: pl.6, fig. 14—20
1974. Paraconcavisporites pseudoaurifculetus D A m a t o-A v a n z i. D Amato-Avanzi p.14— u, pl.X, fig.1 ad
1981. Concavisporites tumidus Playford. Helmar: p*. 15, taf. 1, fig.22,23

46

1,5—2

5 ;

15

(42—50);

Concavisporites pectenataeformis (Bolchovitina) Voronova comb. nov. (180), Dictyophyllidites, Concavisporites, Dictyophyllidites har is ii, Dictyophyllum.

Concavisporites pectinataeformis (Bolchovitina) Voronova comb. nov. Concavisporites postregularis (Krutzsch) Voronova comb. nov. [16]

Matonia pectinata R.B. [127, 7, 6, 71.

.484, .604,4—612,4 .391, .556,0—557,6

paetregularis (Krutzsch.) Voronova .13, .99

199. Toroisporites (Toroisporites) postregularis Krutzsch. Krutzsch: p.98—99, taf.10, fig. 77, 78
 1963. Concavisporites type A. Saad: p.120, pl.33, fig. 11
 1963. Concavisporites type B. Saad: p.120, pl.33, fig 12—14
 1963. Concavisporites type C. Saad: p.120, pl.33, fig. 1
 1963. Deltoidisporites neddeni (Potonie) Danze-Corsini, Lavene. — Danze-Corsini et Lavene: p.86, pl.XVII, fig.9,10
 1963. Deltoidisporites neddeni (Potonie) Danze-Corsini et Lavene: Danze-Corsini et Lavene: pl.XVII, fig.19
 1965. Toroisporites (Toroisporites) deHautcourt Krutzsch: p.26, taf.II, fig.8, 9
 1974. Inaequicraesporites robustekyrtomatus D'Amato Avanzi. D' Amato Avanzi: p.19, pl.XVI, fig.4-6

2,5 — — 2—
 1/2 3/4 10 — —
 10-11. 2 8—9
 15
 (34—43);

Concavisporites postreguiaris (Krutzsch)

. Voronova comb. nov.

Phleboteris regularis (Naumova) Bolchovitina

[17; .56, .20, 21, 22].

Phleboteris polypodioides n. g.

visporites.

Conca-

.418,3—422 . 11010,
 11009, .428—431

СоцевМpoiHae (I h v 111n »iM. Voronova comb. nov.

- .13; .100
- 1949. *Bacculina compacta* Maljav kina. : .35, .1, .13
- 1953. *Lygodium subsimplex* Bolchovitina. : .44, .1—5
- 1954. *Lygodium* sp. : .XV, .17—18
- 1956. *Lygodium subsimplex* Bolchovitina. : .62, .102, .
- 1958. *Lygodiumidites trifurcus* aljavki : .44, .1, .13
- 1956. *Lygodium majoriformis* aljavki : .39, .IX, .2, 3
- 1958. *Lygodium paehtellum* aljavki : .40, .V, .6
- 1958. *Lygodium compactum* aljavkina. Manne : .34, .V111, .6
- 1960. *Lygodium subsimplex* (Naumova) Bolchovitina. ; c.26—27, J, .1
- 1961. *Lygodium japoniciforme* Ivanova. , c.91—92, .23, .1, a, 6
- 1961. *Lygodium subsimplex* Bolchovitina. : .86, .XXVII, .1, 8,
- 1962. *Lygodium subsimplex* (Naumov a) Bolchovitina van. tenuis Verbitskaja. -
 : .101, .IX, .47 -
- 1964.-*Concavisporites punctatus* Delcourt end Sprumont Stover: p.144, pl.1, fig. 2
- 1964. *Concavtrtletes ordinatus* Ore lie. Brelle: p.128, taf.3, fig.3, 4
- 1964. *Maculatisporites* tsp. A. aff. *undulatus* Dorřng. Doring: p.1100, taf.III, bild.1—6
- 1965. *Cardioanguliņa trilobate* D r l n g. Dorřng: p.18, taf.I, fig.4—6

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4/5 2/3

2—3,5

20

(45—65),

Concavisporites subsimplex (Bolchovitina) Voronova

tin a) M. Voronova comb. nov.

Lygodium (Lygodium japonicum S w.),

Condioangulina trilobate Doring [189]

Lygodium japoniciforma Ivanova [126]

Concavisporites.

.3202, . 154,0—160,0

.4 , .381,1—386,1

() ;

Murosporoides(Somers) . Voronova, 1982

Murosporoides chibnovae* M. Voronova sp. nov.

.13, .101

1982. Murosporoides (Somers) M. Voronova. : c.62—65, —XV.

.0123, .209—212 , .1149, .15.

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3—4

(1—2

3—4

(5)

2.

(6,3

2—3

20

(44—45)

Murosporoides chlonovae . Voronova

sp. nov.

Chomotriletes latus Deak [176, p.23, pi. 11, fig.5—7]

Polypodiaceoisporites

*

cyclocmgulatus t z s h, [237, p.607, pi , fig.1—9]

(Potonie et Gelletisch) Kedves, Polypodiaceoisporites potonie M. [207, pl. IX, fig.1, 2]

Cmguiatisporites problematicus Couper [" , p.146—147, pL24, ftg.11—13] ()

.46,0—46,6 , .21 , .350—360 , .964. , .049, -

MunewimHwi re-h»a*M. Voronov »« . nov. .13, .102

, .0123, .209—212 , .1149, .1,6. ,

46

(, —)

3—4, — 1 , 4—5, 6

15 (46—52)

sp. nov. Mtiroeporoides rovninae . Voronova Murosporoides chtonovae . V v a sp. nov.,

.350,0- ,0 , .049, .46,0—46,6 , .21- , -

*Birafsporites Delcourt Mid Sprumont amend Del cou r t, De tt man nandHu gh e 19

* ** . Voronova ep« aov. .13, .

* * ** « »

.484, .596,4—604,4 , .160, . 1,6,
 , , , 2/3 3/4
 , 35
 , 2/3 3/4
 , 13
 , 1—1,5
 , 10
 (25—40)
 Biretisporites ponomarenkoe . Voronova
 Biretisporites magnilabiatus D'Amito-
 a n z i [174, .8, pi.], 5, ,],
 , .5, [174],
 Biretisporites ponomarenkoe . V vasp. nov.
 [196, .355,
 pL2, f ig.16], Undulatisporites sinmosus
 Groot and Groot,
 391, .557,6—558,9
 : —
 ; —
 Biretisporites cf. * « Dettmann
 .13, ,104
 1963. Biretisporites spectabilis Dettmann. Dettmann: p.26—27, pl.II, fig.3—8
 51
 , —
 4/5
 2,5—4
 1,5—2,5
 10
 (47—56),
 Biretisporites spectabilis
 Dettmann, [180]
 Leiotriletes selectiformis Bolchovitina [17, .20—21, .15—17]
 Cyathidites crassiangulatus a l m [160, .22, pL3, fig.39—
 41]

25866, .2582—
 . 57, .437,8—448,8

Staplinisporites Pocock, 1962
Staplinisporitas (Beirne) Pocock
 .14, .105

- 1957. Cingulatisporites caminus Baime: p.27, pl.5, fig.62—63
- 1958. Cingulatisporites cf. caminus Baime. Lantz: p.924, taf.3, fig.27—29
- 1958. Cingulatisporites valdensis Couper. Couper: p.146, pl.24, fig.6, 7
- 1962. Spinaecoronatisporites valdensis Deak. Desk: p.102, pl.VI, fig.45—48
- 1962. Staplinisporites caminus (Baime) Pocock: p.49—50, pl.6, fig. 88—90
- 1963. Cingulatisporites caminus Baime. Brenner: p.57—58, pl. 13, fig.5,a, b
- 1964. Staplinisporites parvus Dering. Diking: p.1109, taf.V, bild.7—9
- 1964. Staplinisporites caminus (Baime) Pocock. Singh: p.85, pl.11, fig.1—4
- 1965. Staplinisporites telatus (Baime) Doring. Doring: p.45, taf.XV, fig.6—8
- 1965. Spinaecoronatisporites valdensis (Couper) Deak. Deak: p.21—22, pl.IX, fig.7—10
- 1966. Staplinisporites caminus Burger. Burger: p.246, pl.12, fig.2
- 1966. Triangulatisporites mathurii Srivastava. Srivastava: p.91, pl.2, .5
- 1967. Coronatisporites valdensis (Couper) Dettmann. Norris: p.96, pl.13, fig.11
- 1975. Coronatisporites valdensis (Couper) Dettmann. Srivastava: p.33, 34, pl.15, fig.1—4
- 1975. Coronatispora valdensis (Couper) Dettmann. Brideaux, Intyre: p.15, pl.2, fig.25—27
- 1976. Staplinisporites caminus (Baime) Pocock. Ameron, Hengreen, Romein: pl.5, fig.9
- 1981. Polycingulatisporites crenulatus Playford et Dettmann. Helmar: p.33, taf.7, fig.6, 7

38

1 1,5—2.
 2
 2—4
 3-4 15
 (35—42),

Staplinisporites caminus
 (Baime) Pocock [243]
 Cingulatisporites caminus Balm [160].

Staplinisporites,
 [180] **Staplinispori-**
tes caminus (Baime) **Selaginella multiradiata**
 Verbitskajan Euryzonotri fetes microdiscus var. fimbriata Kar a-M u z a.
 [126, pl.1, fig.10].

Leiotriletes incertus I h v i-
 tina [18, .34, .III, .31, ,].
 .548, .551,2
 .357, .448,8—455,7 .

Staplinisporites muttiradiata (Verbitskaja) . Voronova comb. nov.
 .14, .106

1962. *Selaginelta metiradiata* Verbitskaja. : c.83—⁴, .12 .
 1962. *Staplinisporites caminus* (Balme) Pocock. Pocock: p.49—50, pl.5, fig.87
 1963. *Staplinisporites caminus* (a¹ me) Pocock. Dettmann: p.51 —52, pl.IX, fig.8—9

31

3 , 0,5.

12—22

10

(28—35)

Staplinisporites muttiradiata (Verbitskaja)

M. Voronova comb. nov. Staplinisporites caminus
 (Balme) Pocock

Staplinisporites caminus (Balme) Pocock

Staplinisporites muttiradiata (Verbitskaja) . Voronova comb,
 nov. [34] *Selaginelta muttiradiata*
 Verbitskaja *Selaginelta*
sibirica (i l d e) H i e n, [212, tågIXI, .7].

Staplinisporites.

.484, .612,4—520,4.

.563, .616,8—220,5

() .

rocu sporites Stover, 1962

spor ites bigranulatus (Leva t-C a r a 11 a) M. Voronova comb. nov.

.14, .107

1965. *Cingulatisporites bigranulatus* L e v e t-C a r e t t e. Levet-Carette: p.290, pl.XXV, fig.1—4, 4a
 1967. *Taurocusporites* cf. *T. segmentatus* Stover. Drugg: p.41, pl.7.,fig.2

1970. *Foraminifera transversus* (Nagy) Pacltova et Simoncsies. Pacltova et Simoncsies: p.601, pl.CV, fig.4, B-IO

1981. *Polycingulatisporites liassicus* Schulz. Helmar: p.33, taf.7, fig.8,a, b

53

*, 2 6

5

4-

(50—56).

[226].

Cingulatisporites.

[183]

Taurocusporites.

[202]

Polycingulatisporites

liassicus Schulz

[260]

Taurocusporites bigranulatus (L v t-C arette) M. Voronova
comb. nov. *Taurocusporites spurius* (Bolchovitina) M. Voronova

M. Voronova comb. nov.

.11007, .491,0—514,0

Taurocusporites— Singh

.14, .108

1956. *Chomotriletes triangularis* Bolchovitina. : .61, .7, .98, -

1962. *Neochomotriletes triangularis* (Bolchovitina) Reinhardt; Reinhardt: ,708, taf.1, fig.1, 5

1964. *Taurocusporites minor* Singh. Singh: p.87, pl.11, fig.7—11

1965. *Polycingulatisporites densatus* (Jersey, 1969) Playford et Dettmann. Playford et Dettmann: p.145, pl.14, fig.28—29

1967. *Neochomotriletes triangularis* (Bolchovitina) Schulz. Schulz: p.587, taf.XI V, fig. 10, 11; taf.XXII, fig.4

1970. *Foraminifera baranyaensis* (Nagy) Pacltova et Simoncsies. Pacltova et Simoncsies: p.60, pl.CV, fig.1—3,5-7

36

1/2 3/4

4—5

4.

Taurocusporites Stover [272].

Taurocusporites minor Singh.

	[180]	wtMKR	сходство с современными
Phaeoceros bulbiculosus (te)	s .		
.360,0—361,0			.21 , .369,0—370,0

reduncus (Bolchovitina) Stover

. 14, . 109

1953. Chomotriletes reduncus Bolchovitina. : <^35, 1, .23,24
 1956. Anogrammites imperfectus Bolchovitina. : .61, . , .99,8
 1959. Chomotriletes auristriatus Bolchovitina. : .105, .III, .62^
 1960. Distalanullosporites punctus Klaus. Klaus: p.139, taf.2B, fig.8
 1960. Chomotriletes reluncus Bolchovitina. : c.34—35, .IV, .15
 1961. Chomotriletes reduncus Bolchovitina. : c.55—56, .VII, .42
 1962. Taurocusporites reduncus (Bolchovitina) Stover. Stover: p.57, pl.1, fig.15—21
 1963. Taurocusporites reduncus (Bolchovitina) Stover. Brenner: p.69, pl.20, fig.
 1964. Taurocusporites reduncus (Bolchovitina) Stover. Singh: p.86, pl.11, fig.6
 1965. Polycingulatisporites reduncus (Bolchovitina) Playford et Dettmann n.n. Playford
 , et Dettmann: p.144
 1966. Taurocusporites reduncus (Bolchovitina) Stover. : c.100—101, .1,
 .5—9
 1967. Taurocusporites sp. cf. T. reduncus (Bolchovitina) Stover. Steeves and Wilkins: p.2358,
 pl.VII, fig.4—6
 1967. Taurocusporites reduncus (Bolchovitina) Stover. Norris: p.91, pl.117, fig.8
 1967. Taurocusporites raduncus (Bolchovitina) Stover. Drugg: p.40, pl.7, fig. 1
 1968. Taurocusporites reduncus (Bolchovitina) Stover. Hedlund and Norris: p.138, pl.II,
 fig.7
 1970. Taurocusporites reduncus (Bolchovitina) Stover. : .355, pl.3, fig.4
 1971. Distalanullosporites cf. punctatus Klaus. Pautsch: p.17, pl.III, fig.2
 1971. Polycingulatisporites reduncus (Bolchovitina) Playford et Dettmann n.n. Singh:
 p.132, pl.18, fig.B
 1972. Polycingulatisporites reduncus (Bolchovitina) Playford et Dettmann n.n. Srivastava:
 p.28, pl.23, fig.6—9; pl.24, fig.1-3
 1976. Polycingulatisporites reduncus (Bolchovitina) Playford et Dettmann n.n. Whson:
 p.117, pl.4, fig.5,6
 1981. Polycingulatisporites simplex. Ashraf. Helmar: p.33, taf.7, fig.9

37

1—2

5—6

2

3

Stover Taurocusporites reduncus (Bolchovitsh) (18)
 Taurocusporites segmentatus Stover
 Anogrammites imperfectus I h v i t i n ,
 Anagramma leptophylla (L.) Link. (ceM.Adiantaceae).

.538,1—541,5

.360,0—361,0

TawK>eiupsntMMgment*tus Stover

.14, .110

1962. Taurocusporites segmentatus Stover. Stover: p.56—57, pl.1, fig.1—14
 1962. Stenozonotriletes exuperans Alexandrova. : .467, .95, .4, ,
 1962. Chomotriletes irregularis (Korgenevskaja)Verbltskaja. : c.20, ra6n.XVI,
 .90, -
 1963. Taurocusporites segmentatus Stover. Brenner: p.69, pl.22, fig.1 b ,a,
 1964. Todisporites minor Couper. Singh: p.45,pl.1, fig.22
 1966. Taurocusporites segmentatus Stover. : .99—100, .1, .1—4
 1967. Polycingulatisporites cremelatus Playford etDettmann. Playford et Cornelius: pl.1,
 fig.1—4
 1967. Taurocusporites segmentatus Stover. Steever and Wilkins: p.2357—2358, pl.VII, fig. 1—3
 1967. Taurocusporites cf. T. segmentatus Stover. Drugg: p.41, pl.7, fig.2
 1967. Polycingulatisporites circulus Simones les et Kedvez. Schulz: p.586—587, pl.XI V, fig.5—6
 1971. Taurocusporites segmentatus Stover. Playford: p.546, pl.105, fig.5
 1975. Lycopodiacidites intraverrucatus Brenner. Brideaux, Intyre: p.14, pl.1, flg.19, 20
 1975. Taurocusporites segmentatus S t v e r. Srivastava: p.65—66, pl.29, fig.10, 11
 1975. Taurocusporites sp. Morbey: p.18—19, pl.4, fig.5—10

39

"V"

1—1,5

6

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4

15

[272]

faurocusporites,

Chomotriletes triangularis I -

v i t i [18, .61, .VII, .58 —98 1
v i t i [19, .105, .111, .62,a-c]

Chomotriletes auristriatus Bolcho-

[260],

tes, Polycingulatisporites circulus Simoncsies et Ked vez,

Taurocuspori-

.430,7—436,3

11010,

.407,2—411,2

.11, .1113—1125

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Taurocusporites spurius (Bolchovitin«)M. V-oronove comb. nov.

.14, .111

1953. Lophotriletes spurius Bolchovitin . : .29, .3, .1

1958. Kulyisporites lunaris Cook son et Dettmann. Cookson et Dettmann: p.103, pl.XIV, fig.21

1963. Lycopodiacidites triangularis Brenner. Brenner; p.65, pl.17, fig.6,8; b

1967. Polycingulatisporites liastcus Schulz. Schulz: p.587, tai.XIV, fig.7—9; taf.XXIII, fig.5

1970. Distalanulisporites spurius (Bolch ovi ti na) Pococ k: P-58, pl.10, fig.10—11

26

2,

1

4

10

(23—30)

Lycopodiacidites

Taurocusporites Stover [272].

.357, .437,8—448,8

Rotwebpórrtes Pocock, 1962
ReuMtaporim* reticulatus Pocock

.14, .112

1955. Cingulatisporites euskirchenoides Delcourt and Sprumont. Delcourt and Sprumont: p.38, fig.9
1958. Cinguletisporites euskirchenoides Delcourt and Sprumont. Cookson and Dettmann. 109-110, pl.XVfl.fie.4~6
1959. Diviisporites euskirchenoides Thomson. : c.100—101, .III, .49
1961. Cingulatisporites euskirchenoides Delcourt and Sprumont. : c.50—51, . /, .31
1961. Diviisporites euskirchenoides Thomson. : c.51, .V, 32
1962. Rouseisporites reticulatus Pocock. Pocock: p.53, pl.7, fig 101—105
1963. Rouwisporites reticulatus P c k. Dettmann: p.97, pl.XXIII, fig.4—9
1963. Cingulatisporites cf. euskirchenoides Delcourt and Sprumont. Brenner: p.58, pl.14, fig.2
1964. Rouseisporites reticulatus Pocock. Singh: p.90, pl.11, fig. 16, 17
1065. Cingulatisporites euskirchenoides Delcourt and Sprumont. : .35, .111, .1,3
1966. Campotriletes raritextuosus Prosvrnjakova. : c.138—139, . , .1—3
1967. Cingulatisporites euskirchenoides Delcourt and Sprumont. : c.109—110, .13, . , 4
1971. Triporoletes reticulatus (Pocock) Playford. Playford* p.552, pl.106, fig.5
1976. Triporoletes reticulatus (Pocock) Playford. Brideaux, M, Intyre: p.16, pl.3, fig. 13, 14
1977. Zhisporites palaeogenicus Krutzsch and Vanhoorne. Krutzsch and Vanhoorne: p.15, taf.6, fig.1—2

Omwaima: 49 , - -

2,5
 (2—2,5),

2— 2,5 : 19 22; 18 13; 10 8 ;

25
 (43—58),

(0,5)

Rouseisporites reticulatus Pocock
 Rouseisporites simplex (Cookson and Dettmann) Dettmann. [180, p.97—96, pLXXIII, fig.10—12] Hymenozonotriletes bracteatus Bolchovitina [18, c.160—107, -OV, f].

Riccia beyrichiana [180],

.345,347,2 , .1, .548,0—551,2

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 ();

Unaesporites Döring, 1965
Unaesporites argenteaeformis* (Bolchovitina) Schulz

.15, .113

1953. *Gymnogramma argenteaeformis* Bolchovitina (- *Stenozonotriletes argenteaeformis* Bolchovitina) : .51, .VII, .9
 1954. Ophioglossaceae (cf. *Botrychium lunaria* L.) Rogalska: P.9—10
 1962. *Triletes reissingeri* Reinhardt. Reinhardt: p.707, taf.2, fig.1—2
 1965. *Unaesporites glomeratus* Döring. Döring: p.39—40, taf.IX, fig.1—4
 1973. *Unaesporites argenteaeformis* (Bolchovitina) Schulz and Hope: pl.17, fig.20

53

1/2

0,5—1

6—9

4—6

5

15

(48—60)

Unaesporites argenteaeformis (Bolchov.) Schulz,

Unaespori-
[260]

X

[189]

Unaesporites glomeratus Döring

[17]

Gymnogramma gentes (Willd.) Mett. M.

[254]

(Ophioglossaceae)

Ophioglossaceae.

.049,

.59,1—62,5

.59, ;250,6—256,4

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Chomotriletes (Naum, 1963) Stover, 1962

Chomotriletes fragilis Pocock

.15, .114

1962. *Chomotriletes fragilis* Pocock. Pocock: p.39, pl.3, fig.30—32

26

1,5

0,5

0,2—0,3.

[243],

Chomotriletes fragilis Pocock,

Chomotriletes almeirensis Pocock

[243, .2, f ig.27—29]

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Appendicisporites Cicatricosisporites.

.538, .1139,5—1150,6

.1, .2141—2143

GYNNOSPERMAE
CONIFEROPHYTA

Coniferetes

Parvisaecites Couper, 1958

Parvinctes radiatus Couper

.15, .115

1958. Parvisaecites radiatus Couper. Couper: p.154, pl.29, fig.5—8; pl.30, fig.1,2

1961. Parvisaecites radiatus Couper. : .59, .IX, .53

1962. Parvisaecites radiatus Couper. Pocock: p.64—65, pl.10, fig.151—152

1966. Parvisaecites radiatus Couper. Burger: p.257, pl.32, fig.3

1967. Parvisaecites radiatus Couper. Norris: pl.15, fig.16—18

1970. Parvisaecites radiatus Couper. Habib: p.356, pl.5, fig.3, 4

1971. Parvisaecites radiatus Couper, Playford: p.560, pl.107, fig.19

59,7

28,2,

44,8,

33,2,

3,3.

30

(56—65),

Cedrus — Cedrus deformis Bolchovitina [18, .125, .VI I,

.108] -Parvisaecites radiatus Couper

Cedrus

Bolchovitina [17, .116, .I, .121]

Cedrus parvisaccata Sauer [104, .31—32, .IX, .6—8]

Parvisaecites radiatus Couper

Alisporites similis (Balm) De 11 m [180, .102, pl.XXV,
fig.5—7].

.049,

.58,0—59,1 ;

.1,

.345,0—347,2

CHLAMYDOSPERMIDAE
Gnetaceapollenites Thiergart, 1938
emend Jansonius, 1962
Gnetaceepoltenitesfusiformis (Habib) Verbitskaja
 .15, .116

1962. Schizaea sp. : c.105—106, .55
 1970. Epnedriphes fusiformis Habib. Habib: p.357, pl.6, fig.7
 1979. Gnetaceapollenites fusiformis (H a b i b) V e r b i t s k a j a . : .22, .5, .13,14
 50
 <4—6>
 2
 (*1—1,5),
 10
 40—60 10—14.

Gnetaceapollenites.

.52, .70,0
 .049, .58,0—59,1

jamonii (Pocock) Verbitskaja
 .15, .117

1979. Gnetaceapollenites jansonii (Pocock) Verbitskaja. : .20—21, .IV,
 .1—7 ())
 52)—33.
 ()
 (12—14)
 2 6;
 (1),
 10
 (2)
 (50—54).

Gnetaceapollenites jansonii
Gnetaceapollenites

.0121,
 .266,0—269,0
 .0111, .119,3—121,0

Gnetaceapollenites viniae (van Amerom) Verbitskaja

.15, .118

1965. Ephedripites viniae van Amerom. Van Amerom, p.130—131, pl.XII, fig.1,a,b,e, 2

1979. Gnetaceapollenites viniae (van Amerom) Verbitskaja : c.22—23, Ta6n.V, .15—18

50 , 24. -
 (1—1,5), (1), (20) -
 10 (46—52 , 20—
 27)

Gnetaceapollenites viniae (van Amerom) Verbitskaja
 Gnetaceapollenites jansonu (Pocock) Verbitskaja

.538,1—541,5 .1,
 .1, .548,0—551,2 -
 ; — ;

PLICATES NAUMOVA, 1937

PRAEPLICATES R. R , 1954

Eucommiidites (Erdtman) Hughes, 1961

&ucamihwtcdetš m̄mor Groot and Penny

.15, .119

1960. Eucommiidites minor Groot and Penny. Groot and Penny: p.234, pl.2, fig.14

1966. Eucommiidites minor Groot and Penny. Burger: p.268, pl.39, fig.4

1971. Eucommiidites minor Groot and Penny. Playford: p.660, pl.107, fig.3

19 , 15. -
 1,5 1—
 15 (17—21 ,
 12—19)

Eucommiidites minor Groot and Penny

Eucommiidites troedssonii Erdtman
 .5302, .154,0—160,0 .5, .597,65—603,0 -
 v ; — ;
 () .

Eucommiidites troedssonii Erdtman

.15, .120

1948. Tricolpites (Eucommiidites) troedssonii Erdtman: s.267—269, fig.5—10, 13—15

1953. Protoquercus agdjakendensis Bolchovitina. ; .93, .XV, .29—32

1956. Tricolpites troedssonii Couper. Couper: pl.7, fig.a-e, h-f

1958. *Eucommiidites troedssonii* Erdtman, Couper: s. 169—165, tef.31, fig.23—27
 1961. *Psilatricolpites psilatus* Peterc: s.49, taf.3, fig.98—99
 1962. *Protoquercus agdjakendensis* Bolchovitina. : c.142—143, Ta6n.XXIV, .143
 1962. *Eucommiidites troedssonii* Erdtman. Pocock: p.75, pl. 13, fig. 194—196, text fig.20
 1964. *Eucommiidites troedssonii* Erdtman. Singh: p.128, pl. 17, fig.6—9
 1966. *Eucommiidites troedssonii* Erdtman. Hedlund: p.26, pl.6, fig.2
 1966. *Eucommiidites troedssonii* Erdtman. Burger: p.267, pf.39, fig.1
 1966. *Eucommiidites troedssonii* Erdtman. : c. 156—157, .15—18
 1967. *Eucommiidites troedssonii* Erdtman. Norris: p.105, pl.16, fig.1T
 1971. *Eucommiidites troedssonii* Erdtman. Playford: p.560, pl.107, fig.4
 1975. *Eucommiidites troedssonii* (Erdtman) Couper. Romans: p.319, pl.7, fig.8

25 , 22.

1—2 , ,

30

(20—30 , -

18—24)

1948

[173]

Ginkgoales, Cycadales, Pteridospermales. 3. -

[34],

Protoquercus,

Quercus.

Eucommiidites troedssonii Erdtman , . .

.538,1—541,5

597,65—603,0

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- 1, 1974, . 233-249.
2. Hoi !
- (.), 1967, 3, . 191-193.
3.
4. , 1964. - 552 . (. ; . 124),
5. , 1960. — 696 . — (.) ,
1960. - 89 ,
6.
7. , 1973, . 6, . 27—32.
8. , 1957, 117, . 2, . 200-209.
9. , 1968, 179, IV 5, . 1167—1170.
Totiati Krutzsch, 1959
10. , 1976, . 192, . 94—109.
- 1941,8, . 1, . 33-57. *KLB.*
11. *OJJ.*
12. , 1959, . 1, . 113—121
13. , 1966, 10, . 116—122.
14. , 1967, . 42—55.
AJJ.
- 3, . 19, . 37—44. ^{1^>}
15.
16. , 1979, . 82—89.
17. , 1953. — 184 . — (. ; . 145),
18. , 1956. — 185 . (. ; . 2).
19. , 1959. — 186 . . (. ; . 24).
20. , 1961. - 216 . (. ; . 40),
21. , 196F - 135 . — (. ; . 186),
HJn.
- 1973, . 8-12.
22. , 1959. — 832 .
23. , 1965. — 85 . (. ; . 129).
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1. *Lycopodiumsporites angulosum* (Verbitskaya) . Voronova comb. nov. , -
 , 484, , 612, 4—620,4 , -
- 1a. *Lycopodiumsporites angulosum* (Verbitskaja) . V on ova comb. nov. , -
 , 357, , 448,8—455,7 .
- 2 *Lycopodiumsporites austrociavatidites* (Cookson) Potonie. , ,
 . 5302, . 154,0—160,0 .
- 2 . *Lycopodiumsporites austrociavatidites* (Cookson) Potonie. , -
 , 1, . 379—382 .
3. *Lycopodiumsporites cemiidites* (Ross) De I u t and Sprumont. , -
 . 5302, . 160,0—166,0 .
- Lycopodiumsporites cerniidites* (Ross) Deicourt and Sprumont. ,
 . 11010, , 430,7—436,3 .
4. *Lycopodiumsporites crassimacerius* Hedlund. ,
 . 0111, . 115,0—117,8 .
5. *Lycopodiumsporites eminulus* Dettmann, , . 11010, .
 430,7—436,3 .
6. *Lycopodiumsporites gristhorpensis* Couper. , ,
 357, . 437,8—448,8
7. *Lycopodiumsporites marginatus* Singh. , , . 5302, . 154,0—
 160,0 .
8. *lycopodiumsporites neoreticuloides* (Schulz) . Voronova comb. nov. ,, -
 , 367, , 437,8—448,8 .
9. *Lycopodiumsporites parvimurus* (D oring) M. Voronova comb. nov. , -
 , 484, , 604,4—612,4 .
10. *Lycopodiumsporites subrotundus* (Kara - Murza) Pocock. , -
 , 484, . 670,1—672,5 .
11. *Lycopodiacidites bacuiatus* Pocock. , , . 547, . 957,5—
 964,8 .
- 11 . *Lycopodiacidites bacuiatus* Pocock. , , . 951,6—957,9 .
12. *Tigrisporites scurrandus* Norris. , , . 1, . 538,1—541,5 .
73. *Foveosporites canaiis* a l m . , - . 484, .
 596,4—604,4 .
- 13 . *Foveosporites canaiis* Ba l m . , - . 484, .
 596,4—604,4 .

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14. *Foveosporites fistulosum* (Bolchovitina) . Voronova comb. nov. , -
 , 357, . 448,8—455,7 .
- 14 . *Foveosporites fistulosum* (Bolchovitina) . Voronova comb. nov. , -
 , * . 66, , 165,5—173,8 .
15. *Foveosporites pseudoalveolatis* (Couper) M. Voronova comb. nov. , -
 , 484, . 587—596 .
- 75 . *Foveosporites pseudoelvelatuis* (Couper) . Voronova comb. nov. , -
 , 5302, . 160,0—166,0 .
76. *Selaginellidites kemensis* (Chlonove) . Voronova comb. nov. ,
 , 577, . 423 —427 .

- 16a , b. *Seiaginellidires kemensis* IC h lo n v al M. Voronova comb. nov. ,
 . 1 10, . 407,2—411,2 .
17. *Densoisporites velatus* We l a n d and Krieger. ,
 . 357, . 423,8—427,7 .
- 17 . *Densoisporites veiatu* W l a n d et Krieger. , . 486,
 . 596,4—604,4 .
18. *Leptolepidites baccatus* (Maljavkina) . Voronova comb. nov. ,
 , . 538, . 1237,4—1246,8 .
- 18 . *Leptolepidites baccatus* (Maljavkina) . Voronova, comb. nov. ,
 , . 547, . 951,6—957,9 .
19. *Leptolepidites major* Couper. , . 484,
 594,4—604,4 ,
- 19 . *Leptolepidites major* Couper. ^ , . 1, . 538,1—541,5 .
- 3
20. *Leptolepidites tumulosus* (Doring) Srivastava. ,
 , . 536, . 216,8—220,5 .
21. *Leptolepidites verrucatus* Couper. , . 484,
 596,4—604,4 .
- 21 , b. *Leptolepidites verrucatus* Couper. ,
 . 0121, . 291,0—297,1 .
22. *Apiculatisporites asymmetricus* Cookson and Dettmann. ,
 , . 547, . 951,6—957,9 ,
- 22 . *Apiculatisporites asymmetricus* Cookson and Dettmann. ,
 . 1, . 538,1—541,5 .
23. *Apiculatisporites wonthaggiensis* Cookson and Dettmann. ,
 . 11010, . 411,2—415,3 .
- 23 . *Apiculatisporites wonthaggiensis* Cookson and Dettmann. ,
 , . 11007, . 504,0—508,7 .
24. *Aequitriradites subverrucosus* Doring. , . 352,
 . 4396—445,7 .
25. *Aequitriradites verrucosus* (Cookson and Dettmann) Cookson and Dett-
 m a n n. , . 352, . 438,6—446,7. .
- 25 . *Aequitriradites verrucosus* (Cookson and Dettmann) Cookson and Dett-
 mann. / , . 538, . 1237,4—1246,8 .
- 4
26. *Cicatricosisporites abacus* Burger. , . 484,
 , 596,4—604,4 ,
27. *Cicatricosisporites eustraliensis* (Cookson) Potonie. ,
 , . 484, . 670,1-672,5 .
- 27 . *Cicatricosisporites austral iensis* (Cookson) Potonie. ,
 , . 357, . 448,8—455,7 .
28. *Cicatricosisporites cqoksonii* a l m . , . 357, . 448,8—
 455,7 .
- 28 . *Cicatricosisporites cooksonii* a l m . ,
 . 054, . 424 .
- 291 *Cicatricosisporiets cuneiformis* Pocock. ,
 484, , 596,4—604,4 .
30. *Cicatricosisporites dorogensis* Potonie and G e l l e t i c h. ,
 , . 357, . 437JB—448,8 .
31. *Cicatricosisporites exilioides* (Maljavkina) . Voronova comb. nov. / ,
 , . 357, . 448,8—455,7 .
- 31 . *Cicatricosisporites exilioides* (Maljavkina) . Voronova comb. nov. ,
 , . 390, . 656£—659,8 .
32. *Cicatricosisporites hughesi* Dettmann. ,
 484, . 556,4—604,4 .

- 32a. *Cicatricosisporites hughesi* D ettmann. M.F.
, 055, 406,6
33. *Cicatricosisporites mohrioides* Delcourt and Sprumont.
, 0121, 272,0—276,0
33. *Cicatricosisporites mohrioides* Delcourt and Sprumont.
, 0123, 216,8—223,0
- 5
34. *Cicatricosisporites perforatus* (Markov a) During. , 484, 604,4—612,4
35. *Cicatricosisporites pseudoauriferus* (Bolchovitina) Voronova comb. nov.
, 547, 051,6—957,9
35. *Cicatricosisporites pseudoauriferus* (Bolchovitina) Voronova comb. nov.
, 1, 423—427,7
36. *Cicatricosisporites smirnovae* Voronova sp. nov.
, 484, 670,1—672,5
36. *Cicatricosisporites smirnovae* Voronova sp. nov.
248, 309—317
37. *Cicatricosisporites tricostata* (Bolchovitina) Voronova comb. nov.
, 1101Q, 407,2—411,2
- ~S. *Cicatricosisporites venustus* D
, 391, 554—656,0
38. *Cicatricosisporites venustus* D , 357,
47,8—4483 4483—455,7
- 39, 39. *Cicatricosisporites verbitskaja* Voronova sp. nov.
11010, 4112—4153
- 39b. *Cicatricosisporites verbitskaja* Voronova sp. nov.
11010, 4112—415,3
40. *Appendicisporites caucasica* (Bolchovitina) Voronova comb. nov.
, 17, 1439—1447.
41. *Appendicisporites crimensis* (Bolchovitina) Pocock.
, 0123, 218,0—223,0
42. *Appendicisporites erdtmanii* Pocock.
, 0121, 265,0—266,0
42. *Appendicisporites erdtmanii* Pocock.
, 391, 556,6—557,6
43. *Appendicisporites markovae* Voronova sp. nov.
538, 1237,4—12463
44. *Appendicisporites parviangulatus* D i n g. , 501,
6113—6163
44. *Appendicisporites parvianguiatus* Doting.
, 0121, 269,0—272.
- 6
45. *Appendicisporites potamacensis* Brenner.
484, 604,4—612,45
46. *Appendicisporites symskiensis* (Markova) Voronova comb. nov.
, 597, 441,7—446
46. *Appendicisporites symskiensis* (Markova) Voronova comb. nov.
, 1, 2127—2147
47. *Appendicisporites tricornitatus* W l a n d and G r u f e l d.
, 5302, 154,0—160,0

48. *Pilosispontes notensis* Cookson and Dettmann, 1, 2229—2236
48. *Pilosisporites nitensis* Cookson and Dettmann.- 536, 1237,4—12463
49. *Pilosispontes parvispinosus* Dettmann. 1, 2141—2147
50. *Pilosispontes trichopapillosus* (h i g t) Delcourt and Sprumont. 538, 1237,4-1246,8
50. *Pilosisporites trichopapillosus* (h i g t) Delcourt and S p r u m nt. 547, 951,6—9573
- 7
51. *Klukisporites variegatus* Couper. 0121, 276,0—272
51. *Klukisporites variegatus* Couper. 11010, 430,7—4363
52. *Klukisporites visibilis* (Bolchovitina) Bolchovitina. 11010, 427,1—430,7
52. *Klukisporites visibilis* (Bolchovitina) Bolchovitina. 19, 430,6—431,0
53. *Trilobosporites apiverrucatus* Couper. 547, 951,6—9573
53. *Trilobosporites apiverrucatus* Couper. 11010, 411,2—4153
54. *Trilobosporites asper* (Bolchovitina) . Voronova comb. nov. 501, 611,8—6163
54. *Trilobosporites asper* (Bolchovitina) . Voronova comb. nov. 577, 418,3—4233
55. *Trilobosporites bernissartensis* (Delcourt et Sprumont) Potonie, 21-, 369,0—370,0
55. *Trilobosporites bernissartensis* (Delcourt and Sprumont) Potonie. 547, 957,9—965,8
- 8
56. *Trilobosporites bolchovitinae* . Voronova sp. v. 1, 345,0—347,2
57. *Trilobosporites cavernosum* (. Ivano v) . Voronova comb. nov. 5302, 160,0—166,0
57. *Trilobosporites cavernosum* (. Ivanova) . Voronova comb. nov. 19-, 430,6—431
58. *Trilobosporites* (*Trilobosporites*) *ressiangularis* D i ng. 563, 2163—220,5
59. *Trilobosporites giganteus* (D b r i b g) M. Voronova comb. nov. 547, 951,6—9573
60. *Trilobosporites grandis* (Bolchovitina) . Voronova comb. nov. 484, 604,4—612,4
- 9
61. *Trilobosporites grossetuberculatum* (Bolchovitina) . Voronova comb. nov. 357, 448 —455,7
62. *Trilobosporites marylandensis* Brenner. 538, 1237,4—1246,5
63. *Trilobosporites micro verrucosus* (Doring) M. Voronova comb. nov.

- 547, 951,6—957,9 &
64. Trilobosporites teslenkoi Voronova sp. nov.
270, 476,7—492,8
- 64fi. Trilobosporites teslenkoi Voronova sp. nov. 1,
345,0—347
65. Trilobosporites trioreticulosus Cookson and Deimann.
270, 476,6—482,8
66. Trilobosporites verrucosus (Delcourt and Sprumont) M. Voronova comb. nov.
547, 951,6—957,9

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67. Trilobosporites vialovii Voronova sp. nov.
0121, 263,0—266,0
67. Trilobosporites vialovii V nova sp. nov.
21- 350,0—360,0
68. Plicifera deicara (Bolchovitina) Bolchovitina
484, 537—596
68. Plicifera delicata (Bolchovitina) Bolchovitina.
391, 557,6—558,9
69. Geicheniidites carinatus (Bolchovitina) Bolchovitina.
484, 596,4—604,4
70. Geicheniidites circinidites (Cookson) Dettmann.
5302, 160—166
70. Geicheniidites circinidites (Cookson). 357,
437,8—448,8
71. Geicheniidites latifolius Dbring.
0121, 279,0—289,0
71. Geicheniidites latifolius Dbring.
0123, 236—240,0
72. Geicheniidites radiatus (Bolchovitina) Bolchovitina
5302, 160,0—166,0
72. Geicheniidites radiatus (Bolchovitina) Bolchovitina.
0123, 209,0—212,0
73. Geicheniidites (h l v) /Voronova comb. nov. Rapa-
817, 665,0—670,0
74. Geicheniidites rasilis (Bolchovitina) Bolchovitina
484, 587—586
74. Geicheniidites rasilis (Bolchovitina) Bolchovitina
8, 530,5—533,0
75. Geicheniidites senonicus Ross. 484, 5964—
604,4
75. Geicheniidites senonicus Ross. 357, 437,8—
448
76. Geicheniidites toriconcavus Krutzsch.
484, 596,4—604,4
76. Geicheniidites toriconcavus Krutzsch.
0121, 279,0—289,0

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77. Clavifera jachrim.isis Bolchovitina.
0123, 209—212
78. Clavifera triplex (Bolchovitina) Bolchovitina
484, 596,4—604,4
78. Clavifera triplex (Bolchovitina) Bolchovitina
536, 737,5—743,5
79. Ornamentifera echinate (Bolchovitina) Bolchovitina
484, 586,4—604,4

	BO. Ornamentifera peregrins (i h v i t i n a) Bolchovitina	-
	, . 0121, . 266—268 .	
81.	Ornamentifera punctata . Voronova.	-
	, . 0121, . 266—269 .	
82.	Ornamentifera tubercuiata (Grigorjeva) Bolchovitina	-
	, . 484, . 596,4—604,4 .	
83.	Cyathidites australis Couper.	. 484,
596,4—604,4 .		
83 .	Cyathidites australis Couper,	. 1, . 345—347,2 .
84.	Cyathidites minor Couper.	. 484,
596,4—604,4 .		
85.	Cyathidites platigonus Romanovskaja.	. 11010,
418.3—422,1 .		
86.	Matonisorites equixinus Couper.	. 1, . 548,0—551,2 .
87.	Matonisorites phlebopteroides Couper.	
484, , 670,1—672,5 .		
87 .	Matonisorites phlebopteroides Couper.	-
	, . 0121, . 269—172 .	
88.	Concavisporites dubia (Bolchovitina) . Voronova nov.	
	, . 5301, . 160,0—167,6 .	
88 .	Concavisporites dubia (Bolchovitina) . Voronova comb. nov.	-
	, . 0123, . 209—212 .	
	12	
8	Concavisporites fedorovae . Voronova sp. nov.	-
	, . 0123, . 209—212 .	
90.	Concavisporites griazevae . V v a sp. nov.	-
	, . 049, . 591—625 .	
90 .	Concavisporites griazevae . V nova so. nov.	. 484. . 596,4—604,4 .
91.	Concavisporites junctum (Kara-Murza) Semenova.	
11010, . 430,7—436,3 .		
91 , .	Concavisporites junctum (Kara-Murza) Semenova.	
	, . 39. . 556,0—556.6 .	
92.	Concavisporites jurienensis Beirne.	. 484. i
. 596,4—604,4 .		
92 .	Concavisporites jurienensis a l m .	. 5302, . 154,0—
160,0 .		
93, .	93 . Concavisporites kainophyticus (Krutzsch) . Voronova.	-
	, . 484, . 596,4—604,4 .	
94.	Concavisporites kruchinae . Voronova sp. nov.	. 5302,
. 154—160.		
94 .	Concavisporites kruchinae . Voronova sp. nov.	-
	, . 57, . 381,5 .	
95.	Concavisporites maxoides (Krutzsch) . Voronova comb. nov.	-
	, . 1, . 548,0—551,2 .	
96.	Concavisporites mesozoicus (During) . Voronova comb. nov.	-
	, . 357, . 448,8—455,7 .	
96 .	Concavisporites mesozoicus (D 6 i n g) M. Voronova comb. nov.	-
	, . 0123, . 209—212,0 .	
97.	Concavisporites minor . Voronova sp. nov.	-
484, . 587,0—596,0 .		
97 .	Concavisporites minor . V v a sp. nov.	-

- , . 391, , 556,6—557,6 . - , , 7.
98. *Concavisporites pectinataeformis* (Bolchovitina) . Voronova comb. nov. -
, , . 0123, . 540,9—542,0 . -
- . *Concavisporites pectinataeformis* (Bolchovitina) . Voronova sp. nov. -
, , . 391, . 556,6—557,6 . -
- » , .
- 13
99. *Concavisporites postregulans* (Krutzschi) . Voronova comb. nov. , -
, . 484, , 596,4—604,4 . - , ,
- 99 . *Concavisporites postregulans* (Krutzschi) . Voronova comb. nov. ,
, . 11010, , 418,3—122,1 . , ,
100. *Concavisporites subsimplex* (Bolchovitina) , Voronova comb. nov. , -
, . 11010, . 418,3—422,1 . , ,
- 100 . *Concavisporites subsimplex* (Bolchovitina) . Voronova comb. nov. , -
, . 5302, . 154,0—160,0 . , ,
- 101, 101 . *Murosporoides cnionovae* . Voronova sp. nov. , -
, . 0123, . 209—212 . , ,
- 101 6, . *Murosporoides chlonovae* . V va sp. nov. , -
, . 049, , 46,0—46,6 . - , ,
102. *Murosporoides rovninae* . V v a sp. nov. , -
, , 0123, . 209—112 . , ,
- 102 . *Murosporoides rovninae* . V n ova sp. nov. ,
, . 21, . 350—360 . , ,
103. *Biretisporites* . V v a sp. nov. , -
, . 484, . 596,4—604,4 . - , ,
- 103 . *Biretisporites* . V ova sp. nov. , -
, . 391, . 557,6—558,9 . , ,
104. *Biretisporites cf. spectabilis* Dettmann. , ,
104 . *Biretisporites soectabilis* Dettmann. , . 6, . 2582—
2586 . -
- 14
105. 105 . *Staplinisporites caminus* (Balme) Pocock. , - -
, . 484, . 604,4—612,5 . - , ,
1056. *Staplinisporites caminus* (Balme) Pocock. , , . 1, , 54&0-
551,2 . -
106. *Staplinisporites multiradiata* (Verbitskaja) . Voronova comb. nov. , -
, . 484, . 596,4—604,5 . - , ,
- 106 . *Staplinisporites multiradiata* (Verbitskaja) . Voronova comb. nov. , -
, . 563, . 216,8—220,5 . - , ,
107. *Taurosporites bigranulatus* (Levet-Carette) . Voronova comb. nov. ,
, . 1, . 548,0—551,2 . - , ,
- 107 . *Taurosporites bigranulatus* (Levet-Carette) . Voronova comb. nov. ,
, . 11007, . 491,0—514,0 . - , ,
108. *Taurosporites minor* Singh. , , . 5302, . 154,0—
160,0 . -
109. *Taurosporites reduncus* (Bolchovitina) Stover. , -
, . 357, . 448,8—455,7 . - , ,
- 109 . *Taurosporites reduncus* (Bolchovitina) Stover. , , . 1,
. 538,1—541 . , ,
110. *Taurosporites segmentatus* Stover. , , . 547, . 951,6—
957 . , , , ,
-
- 110 , 6. *Taurosporites segmentatus* Stover. , , . 11010, . 436,
3 . -
111. *Taurosporites spurius* (Bolchovitina) . Voronova comb. nov. , -
, . 357, . 448,8—455,7 . - , ,

17	la, 5.	<i>Tauroporites spurius</i> (Bolchovitina) M. Voronova comb. nov.	, . 357,	. 437,8—448,8	-
112.		<i>Rouseisporites reticulatus</i> Pocock.	, . 538,	. 1237,4—	1246,8
15					
113,	113.	<i>Unaesporites argenteaeformis</i> (Bolchovitina) Schulz.	, . 049,	. 59,1—62,5.	-
1136,		<i>Unaesporites argenteaeformis</i> (Bolchovitina) Schulz.	, . 59,	. 250,6—256,4	-
114.		<i>Chomotriletes fragilis</i> Pocock.	, . 244—249	-	0123,
115,	115.	<i>Parvisaccites radiatus</i> Couper.	, . 5302,	. 154,0—	160,0
1156,		<i>Parvisaccites radiatus</i> Couper.	, . 049,	. 58,0—59,1	-
116,	116.	<i>Gnetaceapollenites fusiformis</i> (Habib) Verbitskaja.	, . 59,	. 250,6—256,4	-
117.		<i>Gnetaceapollenites jansonii</i> (Pocock) Verbitskaja.	, . 049,	. 58—59,1	-
118.		<i>Gnetaceapollenites viniae</i> (van Amerom) Verbitskaja.	, . 5302,	. 154,0—160,0	-
118.		<i>Gnetaceapollenites viniae</i> (van Ameron) Verbitskaja.	, . 1,	. 538,1—541,5	-
119,	119.	<i>Eucommiidites minor</i> Groot and Penn.y.	, . 160,6—167,6	-	. 5301,
1196.		<i>Eucommiidites minor</i> Groot and Penny.	, . 154,0—160,0	-	. 5302,
120.		<i>Eucommiidites troedssonii</i> d t m	, . 1,	. 548,0-	5512
120.		<i>Eucommiidites troedssonii</i> d t m	, . 5,	. 597,6—603,0.	-

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