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# Index of Generic Names of Fossil Plants, 1974-1978

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GEOLOGICAL SURVEY BULLETIN 1517



# Index of Generic Names of Fossil Plants, 1974-1978

By ARTHUR D. WATT

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G E O L O G I C A L   S U R V E Y   B U L L E T I N   1 5 1 7

*Based on the Compendium  
Index of Paleobotany of  
the U.S. Geological Survey*



UNITED STATES DEPARTMENT OF THE INTERIOR

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# INDEX OF GENERIC NAMES OF FOSSIL PLANTS, 1974-1978

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By ARTHUR D. WATT

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## INTRODUCTION

This bulletin is a continuation of the series begun as "Index of Generic Names of Fossil Plants, 1820-1950" (U.S. Geological Survey Bulletin 1013, 1955) by Henry N. Andrews, Jr. Bulletin 1013 was followed in 1970 by Bulletin 1300, also by Andrews; this encompassed the period 1820-1965 and included a complete history of this project and of the U.S. Geological Survey Compendium Index of Paleobotany, the primary source of material for this series. In 1975, Anna M. Blazer prepared a supplement (U.S. Geological Survey Bulletin 1396) that covered the period 1966-1973. The present supplement generally follows the format of the 1966-1973 Index, as well as the methodology described therein by Blazer. Some older names inadvertently omitted from the earlier bulletins have been incorporated here insofar as possible. This Index makes no attempt to include names of palynomorphs, diatoms, bacteria, acritarchs, or dinoflagellates.

The original aim of this supplement was to cover the years 1974-1977, but Richard S. Cowan of the Botany Department, Smithsonian Institution, kindly made available to me unpublished manuscript volumes of the "Index Nomina Genericorum" (later published in November 1979). In this material, I found many fossil generic names not encountered elsewhere: therefore, the coverage of this index has been extended through 1978. In the Index, all names initially found in the Index Nomina Genericorum are noted by the letters "ING" at the end of the citation; all entries taken either from quoted literature or ING and not seen by the present compiler are preceded by asterisks.

So that records of paleobotanical research may be kept as complete as possible in the Compendium Index, it is urgent that all paleobotanists contribute reprints or send notations of their publications to

The Paleobotanical Library  
Paleontology and Stratigraphy Branch  
U.S. Geological Survey  
Room W-300, U.S. National Museum  
Washington, D.C. 20560, U.S.A.

I have had considerable, much appreciated help in conjunction with the preparation of this supplement. The late Anna M. Blazer initiated the work, and Sergius H. Mamay generally supervised it. Francis M. Hueber, Smithsonian Institution, was always available for advice. Richard S. Cowan and Ellen Farr, also of the Smithsonian Institution, provided generous assistance through the ING manuscript. The librarians of both the U.S. Geological Survey and Smithsonian Institution gave invaluable assistance in locating publications.

## GENERIC INDEX OF FOSSIL PLANTS

**ABACODENDRON** Radchenko, 1955  
*\*Abacodendron liduginii* G. P. Radchenko, 1955, Atlas Rukovod. Form Iskop. Fauny Fl. Zapadn. Sibiri, v. 2, p. 99; bark, Lepidophyta; Kuzneck (sic.) Basin, U.S.S.R.; Lower Carboniferous.   ING

**ABUNDACAPSA** Licari, 1978  
*Abundacapsa impages* Licari, 1978, p. 780, pl. 2, fig. 7; alga, Chroococcaceae; eastern California, U.S.A., upper pre-Phanerozoic.

**ACANTHOPHYLLUM** Doubinger and Germar, 1973  
*Acanthophyllum boeckeri* Doubinger and Germar, 1973, p. 47-50, pl. 1, fig. 1; pinules; northwest Spain; Westphalian D.

**ACAULANGIUM** Millay, 1977  
*Acaulangium bulbaceus* Millay, 1977, p. 223-229, 13 figs.; marattialean; Calhoun coal mine, Richland County, Illinois, U.S.A.; Upper Pennsylvanian.

**ACORITES** Crepet, 1978  
*Acorites heeri* (Berry) Crepet, 1978, p. 250, pl. 1, figs. 3, 5; aroid inflorescence; La Grange, Tennessee, U.S.A.; Eocene. New name for *Acorus heeri* Berry, 1930, p. 55, pl. 8, fig. 7.

**ACROVENA** Hickey, 1977  
*Acrovena laevis* Hickey, 1977, p. 143, pl. 45, fig. 8, fossil leaf; Stark County, North Dakota, U.S.A.; lower Eocene.

**ACTINOPHOXYLON** Kramer, 1974  
*Actinophoroxylon heteroradiatum* Kramer, 1974, p. 36-42, figs. 34a-c; pl. 5, figs. 225, 226, 228, 229; wood, Tiliaceae; Sumbawa and Sumatra Islands, Southeast Asia; Tertiary.

**ACTINOPORELLA** Alth, 1882  
*Actinoporella podolica* (A. von Alth) Alth, 1882, p. 322, figured in 1878 as *Gyroporella*, pl. 6, figs. 1-8; Dasycladaceae; Ukraine, U.S.S.R.; Upper Jurassic.

**ACTINOSTELOPTERIS** Sharma and Bohra, 1974  
*Actinostelopteris pakurense* Sharma and Bohra, 1974, p. 55-58, pl. 1; fossil stem; Rajmahal Hills, District of Bihar, India; Jurassic.

**ACULEA** Douglas, 1973  
*Aculea bifida* Douglas, 1973, p. 93-94, pl. 35, fig. 1, sterile leaves and fertile pin-

nae; Boola Boola Forest L 14, Victoria, Australia; Mesozoic.

**ACULEOPHYTON** Kräusel and Venkatachala, 1966  
*Aculeophyton sibiricum* Kräusel and Venkatachala, 1966, p. 224-225, pl. 28, figs. 26-29; pls. 29-31; thallophyte; Orestove and Barass, Kuznetsk Basin, western Siberia, U.S.S.R.; Lower Devonian.

**ACUS** Tsao and Zhao, 1974  
*Acus platypluteus* Tsao and Zhao, 1974, p. 67, pl. 2, figs. 3, 4; microproblematica; southwest China; Sinian. Noticed in Cao Ruiji and Zhao Wenjie, 1978, p. 25.

**ADIANTOPTERIDIUM** Purkynova, 1970  
*\*Adiantopteridium oblongifolium* (Goepfert, 1839) Purkynova, 1970; see Purkynova, 1974, pl. 2, fig. 2.

**ADIANTOPTERIS** Vassilevskaya, 1963  
*\*Adiantopteris seawardi* (H. Yabe) N. D. Vassilevskaya, 1963, in Markovsky, B. P., Novye Vidy Drevn. Rast. Bespoz. U.S.S.R. v. 2, no. 1, p. 49 (1968); leaf; Pteridaceae; northwest of Naktong, South Korea; Upper Jurassic to Lower Cretaceous. New name for *Adiantites seawardi* Yabe, 1905, p. 39, pl. 1, figs. 1-8.   ING

**AEROCORTEX** Beck, 1978  
*Aerocortex kentuckiensis* Beck, 1978, p. 232, figs. 4, 5, 14-16, 25, 36, 37, 45 a, b; vascular bundles; 2.4 miles north of New Haven, Nelson County, Kentucky, U.S.A.; New Albany Shale, Lower Mississippian.

**AERORHIZOS** Chitaley, 1968  
*Aerorhizos harrisii* Chitaley, 1968, p. 7-12, text figs. 1-9; petrified roots; Mohgaon Kalan, Chhindwara District, Madhya Pradesh, India; Deccan Inter-trapezian series, probably Paleocene.

**AFZELIOXYLON** Louvet, 1966  
*\*Afzelioxylon kilianii* Louvet, 1966, Comp. Rend. 90 Congr. Nat'l. Soc. Savantes, Sect. Sci. 2, p. 325; wood, Leguminosae; Tinnherth, Algeria; Tertiary.   ING

**AFZELIOXYLON** Koeniguer, 1973  
*Afzelioxylon furoni* Koeniguer, 1973, p. 196-199, pl. 2, figs. 1-2; pl. 3, figs. 1-4; fossil plant, Caesalpiniaceae; l'oasis de Kirdimi, Tchad; Devonian.

- ALAFRUCTUS** MacGinitie, 1974  
*Alafructus lineatulus* (Cockerell) MacGinitie, 1974, p. 68, pl. 15, fig. 3; winged fruit; Kisinger Lakes, Wyoming, U.S.A.; middle Eocene.
- ALAMATUS** Douglas, 1973  
*Alamatus bifarius* Douglas, 1973, p. 94-95, pl. 37; pl. 38, figs. 1-2; fossil leaf; foot of Racecourse steps, Moonlight Head, Victoria, Australia; Mesozoic.
- ALATISPERMUM** Vassilevsk, 1977  
 \**Alatispermum malandinii* Vassilevsk, 1977, in *Mezozoishie otlozhenia Severo-Vostoka U.S.S.R.*, *Sbornik nauchnykh trudov*, p. 66-70, pl. 8, figs. 1-2; Lower Cretaceous.
- ALIBIZZINIUM** Prakash, 1973  
*Alibizzinium eolebbekianum* Prakash, 1973, p. 197-199, pl. 3, figs. 9, 11, 12; fossil wood, Leguminosae; Himachal Pradesh, India; lower Siwalik beds, middle Miocene.
- ALLOCLADUS** Townrow, 1967  
*Allocladus rajmahalense* (Feistmantel) Townrow, 1967, p. 159-161, pl. 1 D; coniferales incertae sedis; Bindarum, Rajmahal Hills, India; Middle Jurassic. New name for *Echinostrobus rajmahalense* Feistmantel, 1877, p. 90, pl. 65, figs. 3, 3a.
- ALNITES** H. R. Goeppert and G. C. Berendt, 1845  
 \**Alnites succineus* Goeppert and Berendt, 1845, *Bernstein Org. Reste Vorwelt*, v. 1, no. 1, p. 106; leaves; Prussia; Miocene. ING
- ALTINGIOXYLON** Kramer, 1974  
*Altingioxylon rhodoleioides* Kramer, 1974, p. 98-105, pl. 23, figs. 61, 65; pl. 24, figs. 65, 67, 68, 70-72; fossil wood; Hamamelidaceae; Java; Tertiary.
- AMADOCOPTERIS** Zalessky, 1944  
 \**Amadocopteris rossica* Zalessky, 1944, *Neues Jahrb. Mineral. Geol., Monatsch., Abt. B, Geol. Palaeontol.* (1944), p. 190; fertile foliage, incertae sedis; Mironowaja, Donetz Basin, U.S.S.R.; Lower Permian. ING
- AMANDA** Douglas, 1973  
*Amanda floribunda* Douglas, 1973, p. 95-96, pl. 36, figs. 2-3; pl. 39, figs. 1-3; pl. 41, figs. 1-3; fossil leaves; Culvert, Deep Creek near Casterton, Victoria, Australia; Mesozoic.
- AMDRUPIOPSIS** H. C. Sze and H. H. Lee, 1952  
 \**Amdrupiopsis sphenopteroides* Sze and Lee, 1952, *Palaeontol. Sin., Ser. A.*, ser. 2, 3, p. 6, 24; foliage, Filicales; Ngai-Shan-Tze, Weiyuan, China; Jurassic.
- ING  
**AMPHORELLA** Borza and Samuel, 1977  
*Amphorella bicamerata* Borza and Samuel, 1977, p. 100.101, pl. 1, figs. 1-8; incertae sedis; the Muranska planina plateau, Czechoslovakia; Upper Triassic, Norian.
- AMPHOROCHARA** Krasavina, 1978  
*Amphorochara grambastii* Krasavina, 1978, p. 227-228, pl. 1, figs. 1-6; charophyte; eastern Siberia, U.S.S.R.; upper Pleistocene.
- ANABAENIDIUM** Schopf, 1968  
*Anabaenidium johnsonii* Schopf, 1968, p. 680-681, pl. 81, fig. 4; incertae sedis, "alga," Nostocaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.
- ANABARIA** Komar, 1964  
 Noticed in Tsao-Rui-chi and Liang Yuzou, 1974.
- ANASPERMA** Long, 1966  
*Anasperma burnense* Long, 1966, p. 351-354, pl. 1, figs. 7-10; pl. 2, figs. 11-20; pl. 3, figs. 21-32; pl. 4, fig. 33; anatroous, ovoid seed; near Burnmouth, Berwickshire, Scotland; Lower Carboniferous.
- ANCYSTROPHYLLUM** Göppert, 1841  
*Ancystrophyllum stigmariaeforme* Göppert, 1841, *Genres de pl. foss. v. 2*, p. 33, pl. 17, figs. 1-3; incertae sedis; Landshut, Silesia, Germany; Carboniferous.
- ANDANOPHYLLUM** Svedov, 1957  
 \**Andanophyllum elongatum* Svedov, N. A., 1957, *Sborn. Statej. Paleontol. Biostratigr.* v. 3, p. 61; leaf, Medullosaceae; lower Tunguska River basin, eastern Siberia, U.S.S.R.; Lower Permian. ING
- ANDREWOPTERIS** Baxter, 1975  
*Andrewopteris revoluta* Baxter, 1975, p. 157-161, fig. 1, pls. 1-3; fern, Filicales; Pittsburg-Midway coal mine 19.5 miles northeast of Hallowell, Kansas, U.S.A.; Middle Pennsylvanian.
- ANGOPHYLLITES** Gluchova, 1978  
 \**Angophyllites optimus* Gluchova, 1978, p. 534, illustrated in Gluchova, 1967, as *Cordaites optimus*; fossil leaves; Minusinsk Basin, U.S.S.R.; Middle to Upper Carboniferous.
- ANGRENIA** T. A. Sixtel, 1972  
 \**Angrenia angustifolia* Sixtel, 1972, in Grigor'eva, A. M. et al, *Novye Vidy Drevnih Rast. Bespoznoc*, U.S.S.R., p. 324; trunks, leaves, and strobili, Gymnospermae; Tjan'San, central Asia; Upper Permian and Lower Triassic. ING



**ANISOPTERIS** Oberste Brink, 1914

\**Anisopteris machaneki* (Stur) Oberste Brink, 1914, p. 95, new name for *Rhacopteris machaneki* Stur, 1875, Abh. K. K. geol. Reichs., Wien, v.8, no. 1, p. 75, pl. 8, fig. 4; Sphenopterideae; d'Altenordf; Lower Carboniferous.

**ANOMALOIDES** Ulrich, 1878

*Anomaloides reticulatus* Ulrich, 1878, p. 92-93, pl. 4, fig. 6; cyclocrinid alga; Covington, Kentucky, U.S.A.; Upper Ordovician.

**ANTROPHYTES** Andreanezky, 1954

\**Antrophytes egedensis* Andreanezky, 1954, Bot. Kozlem, v. 45, p. 137; leaf, Polypodiaceae; Kiseged, near Eger, Hungary; lower Oligocene. ING

**APHANOCAPSAOPSIS** Maithy and Sukla, 1977

*Aphanocapsaopsis sitholeyii* Maithy and Sukla, 1977, p. 178-179, pl. 1, figs. 8, 9; alga, Chroococcaceae; Ramapura, Madhya Pradesh, India; Suket shales, Vindhyan System, upper Precambrian.

**APHROSTROMA** Gürich, 1906

\**Aphrostroma tenerum* G. Gurich, 1906, Mem. Mus. Roy. Hist. Nat. Belgique, v. 3, no. 12, p. 36, 53; Cyanophyceae; Namur, Belgium; Lower Carboniferous, lower Viséan. ING

**APOPHORETELLA** Elliott, 1975

*Apophoretella dobunnorum* Elliott, 1975, p. 354-355, pl. 49, fig. 3; algae, Myxophyceae; north of Cirencester, Gloucestershire, England; Middle Jurassic.

**APPIA** Shapovalova, 1974

*Appia topicalis* Shapovalova, 1974, p. 97-99, pl. 14, figs. 2, 4, 5; pl. 15, figs. 1-4; pl. 16, figs. 1-4; stromatolite; Kyllakhskiy Mts., Yakutskaya, U.S.S.R.; middle Riphean.

**ARACITES** P. A. Nikitin, 1957

\**Aracites johnstrupii* (N. Hartz) Nikitin, 1957, Plioc. Cetvert Fl. Voronezhsk Obl., p. 123; seed, Araceae; Jutland, Denmark; Tertiary. New name for *Carpolithes johnstrupii* Hartz. ING

**ARANETZIA** Zalessky, 1934

\**Aranetzia spendens* Zalessky, 1934, p. 271, figs. 46-48; Sphenopterideae; Petchora; Permian.

**ARAUCARIODENDRON** Krassilov, 1965

*Araucariodendron heterophyllum* Krassilov, 1965, p. 110-114, pl. 9, figs. 1-4; fossil wood, Araucariaceae; Far East of the U.S.S.R.; Cretaceous. ING

**ARCHAEONEMA** Schopf, 1968

*Archaeonema longicellularis* Schopf, 1968,

p. 678, pl. 80, fig. 11; incertae sedis, "alga," Nostocaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian. Species name corrected to *A. longicellularis* in Schopf and Blacic, 1971, p. 956.

**ARCHAEOPODOCARPUS** Weigelt, 1928

*Archaeopodocarpus germanicus* Weigelt, 1928, p. 485-553, pl. 13, 29 figs.; Coniferae; Germany; Permian.

**ARCHAEOSPHAEROIDES** Schopf and Barghoorn, 1967

*Archaeosphaeroides barbertonensis* Schopf and Barghoorn, 1967, p. 501-512, figs. 1-4; algalike bodies; 28 km east-northeast of Barberton, eastern Transvaal, South Africa; Fig Tree series, upper Swaziland System, lower Precambrian.

**ARCTOPTERIS** Samylna

*Arctopteris kolymensis* Samylna, 1964, p. 50-53, pl. 3, figs. 5-8; pl. 4, figs. 1, 2; fern, Pteridaceae; Zyrynska coal basin, U.S.S.R.; Lower Cretaceous.

**ARCTOSTAPHYTES** Nikitin, 1976

*Arctostaphytes tertiaria* Nikitin, V. P., 1976, p. 186-187, pl. 71, figs. 33-36; seeds, Ericaceae; Mamontova Gora, eastern Siberia, U.S.S.R.; middle Miocene. ING

**ARCHAEOPOROLITHON** Pal and Ghosh, 1972

*Archaeoporolithon miocenicum* Pal and Ghosh, 1972, p. 191, pl. 3, figs. 10, 11; coralline algae; southeastern Cutch, India; lower Miocene.

**ARDISIA** Andreanszky, 1963

*Ardisia montis-stellae* Andreanszky, 1963, p. 241-242, fig. 8; fossil leaf; Csillaghegy, near Budapest, Hungary; lower Oligocene.

**ARISTOLOCHIOXYLON** Kulkarni and Patil, 1977

*Aristolochioxylon prakashii* Kulkarni and Patil, 1977, p. 44-49, 1 pl.; fossil wood; Nawargaoon, Wardha District, Maharashtra, India; Lower Tertiary.

**AROITES** Kovats, 1856

\**Aroites tallyanus* Kovats, 1856, Arbeiten Geol. Ges. Ungarn, v. 1, p. 48; spadix, Araceae; Tallya, Hungary; Cretaceous. ING

**ARTISOPHYTON** Pfefferkorn, 1976

*Artisophyton approximatum* Pfefferkorn, 1976, p. 5-6, fig. 4; new name for *Megaphyton approximatum* Lindley and Hutton, 1833-1835, Fossil flora of Great Britain or figures and descriptions of the

- vegetable remains found in a fossil state in this country, v. 2, pl. 116; tree fern compressions; Illinois, U.S.A.; Pennsylvanian.
- ARTOCARPOXYLON** Prakash and Lalitha, 1978  
*Artocarpoxylon kartichcherraensis*, 1978, p. 132-133, 3 figs.; fossil wood, Moraceae; Kartichcherra, about 50 km south of Hailakandi, District Cachar, Assam, India; Tipam sandstones, Tertiary.
- ASANSOLIA** Pant and Misra, 1976  
*Asansolia phegopteroides* Pant and Misra, 1976, p. 129-130, 3 pls.; foliage, Filicinae; Raniganj coal field, India; Raniganj Stage.
- ASCODESMISITES** Trivedi, Chaturvedi and Verma, 1973  
*Ascodesmisites malayensis* Trivedi, Chaturvedi and Verma, 1973, p. 126-129, pl. 1, figs. 1-5; fossil fungus; Kuala Lumpur, Malaya; Tertiary, Eocene.
- ASPERIA** Semikhatov, 1978  
*Asperia aspera* Semikhatov, 1978, p. 120-122, pl. 13, figs. 1-5; stromatolite; Canadian Shield; Aphebian.
- ASPHALTINELLA** Mamet and Roux, 1978  
*Asphaltinella horowitzi* Mamet and Roux, 1978, p. 78, pl. 4, figs. 2-6; alga; northernmost Tennessee, U.S.A.; base of Namurian.
- ASTEROCAPSOIDES** Yin and Li, 1978  
*Asterocapsoides sinensis* Yin and Li, 1978, p. 87, pl. 9, fig. 7; alga, Chroococcaceae; southwest China; Precambrian.
- ASTEROSTROMUM** Zanon, 1947  
 \**Asterostromum salurnum* Zanon, 1947, Acta Pontif. Acad. Sci. v. 11, p. 48, 55; Chrysostomaceae; Quaternary. ING
- ASTRONIOXYLON** Suguio and Mussa, 1978  
*Astronioxylon maimeri* Suguio and Mussa, 1978, p. 28-30, est. 1, figs. 1-4; wood, Anacardiaceae; Itaquaquecetuba, São Paulo City, Brazil; upper Pleistocene.
- ATALANTIOXYLON** Lakhnupal, Prakash and Bande, 1978  
*Atalantioxylon indicum* Lakhnupal, Prakash and Bande, 1978, p. 198-199, pl. 3, figs. 13-17; fossil wood, Rutaceae; near the village of Mohgaon, Mandla District, Madhya Pradesh, India; Paleogene.
- ATRIAECARPUM** Chandler, 1978  
*Atriaecarpum venablesi* (Chandler) Chandler, 1978, p. 21-22, pl. 4, figs. 4-5, fossil seed; Bognor, England; lower Aldwick beds, Tertiary.
- AUSTRALOXYLON** Marguerier, 1973  
*Australoxylon teixeirae* Marguerier, 1973, p. 37-58, 6 pls.; fossil wood; District of Tete, Natal, Africa; Permian.
- AUSTROSEQUOIA** Peters and Christophel, 1978  
*Austrosequoia wintonensis* Peters and Christophel, 1978, pl. 3119-3128, figs. 2-12; taxodaceocone; 50 km northwest of Winton, Queensland, Australia; Upper Cretaceous.
- AUSTROSTROBUS** Morbelli and Petriella, 1973  
*Austrostrobus ornatum* Morbelli and Petriella, 1973, p. 280-281, pls. 1, 2; a petrified lycopsidean cone; Estancia Canadon Largo, Santa Cruz Province, Argentina; Triassic.
- AUSTROGLOSSA** Holmes, 1974  
*Austroglossa walkomii* Holmes, 1974, p. 132-133, pl. 7, figs. 2, 3; female fructification, Glossopteridales; Kane's Flat, Cooyal, New South Wales, Australia; Upper Permian.
- AVERRHUITES** Hickey, 1977  
*Averrhoites affinis* (Newberry) Hickey, 1977, p. 132, pl. 33, figs. 2, 3; pl. 35, figs. 1, 2; fossil leaves; Tertiary; new name for *Sapindus affinis* Newberry, 1868, p. 52.

## B

- BAGEOPITYS** Dolms, 1976  
*Bageopitys articulata* Dolms, 1976, p. 164-181, 5 pls.; fossil wood; 12 km from Bagé, Rio Grande do Sul, Brazil; Permian.
- BAICALIOR** Semikhalov, 1960  
 \**Baicalior prima* Semikhalov, 1960; stromatolite; Turukhamsk region; Riphean, Precambrian.
- BALIOS** Tsao, Chen, and Chu, 1965  
 \**Balios pinuensis* (Tsao) Tsao, Chen, and Chu, 1974, p. 71, pl. 9, fig. 2; Cyanophyta; China; Sinian. Noticed in Cao Ruiji and Zhao Wenjie, 1978, p. 15. New name for *Praechrococcus pinguensts* Tsao, 1964.
- BALKHANELLA** Srivastava, 1973  
*Balkhanella hurkai* Srivastava, 1973, p. 690-708, figs. 23-25; alga; Bolshoi Balkhan, U.S.S.R.; Neocomian, Lower Cretaceous. ING
- BARSASIOPHYTON** Stepanov, 1975  
*Barsasiophyton aboriginum* Stepanov, 1975, p. 77, pl. 23, fig. 2; incertae sedis (?algoid); outskirt of Kuznetsk Basin, U.S.S.R.; Devonian.

- BARSASOPTERIS** Stepanov, 1967  
 \**Barsasopterus nativa* Stepanov, 1967. Noticed in S. A. Stepanov, 1975, p. 75-77, pl. 24; pl. 26, fig. 5; Primofilices incertae sedis; Devonian.
- BARSOSTROBUS** Fairon-Demaret, 1977  
*Barsostrobos famennensis* Fairon-Demaret, 1977, p. 56, pls. 1-5; lycophyta cone; near Barse, Belgium; upper Famennian, Upper Devonian.
- BATHURSTIA** Hueber, 1971  
*Bathurstia denticulata* Hueber, 1971, p. 9, pl. 1, fig. 4; pl. 3, figs. 1-5; stems, Zosterophyllaceae; Bathurst Island, Franklin District, Northwest Territories, Canada; Lower Devonian.
- BATINEVIA** Korde, 1966  
*Batinevia ramosa* Korde, 1966, p. 1440-1442, fig. 1; alga, Epiphytaceae; Kuznetsk Alatair Bol'shaya Natal'yevka River, U.S.S.R.; Lower Paleozoic.
- BECKSPRINGIA** Licari, 1978  
*Beckspringia communis* Licari, 1978, p. 779-780, pl. 1, figs. 3-6; alga, Nostocaceae; eastern California, U.S.A.; upper pre-Phanerozoic.
- BELAYA** Shuyskiy, 1973  
*Belaya implicata* Shuyskiy, 1973, p. 45-46, fig. 14; pl. 3, fig. 3; algae, Oscillatoriaceae; western slope of the southern Urals, and the Belaya River, U.S.S.R.; Lower Devonian.
- BELONOPHYLLUM** Zalesskij, 1934  
 \**Belonophyllum acriculatum* Zalesskij, 1934, Kamennougol'naja Fl. Severn. Kavkaza, p. 5, 17; leaves, Lepidodendrales; northern Caucasus; Carboniferous. ING
- BELOVSKOXYLON** Parfenova, 1965  
 \**Belovskoxylon cyclicus* Parfenova, 1965, Izv. Tomsk. Politehn.-Inst. v. 127, no. 2, p. 22, wood, incertae sedis; Pionerskaja Mine, Kemerovo District, Kuznetsk Basin, U.S.S.R.; Permian. ING
- BEVOSOLEN** Pia, 1940  
 \**Bevosolen huecenen* Pia, 1940, Akad. Wiss. Wien, Math.-Naturwiss. Kl., Anz., v. 77, p. 59; Codiaceae; Hueco Mountains, Texas, U.S.A.; Upper Carboniferous and Lower Permian. ING
- BIGEMINOCOCCUS** Schopf and Blacic, 1971  
*Bigeminococcus lamellosus* Schopf and Blacic, 1971, p. 952-953, pl. 111, fig. 1a-c; alga; Ellery Gorge, 80 km west of Alice Springs, Australia; Precambrian.
- BIRISIA** Samylnina, 1972  
*Birisia acutata* Samylnina, 1972, p. 95-97, pl. 1, figs. 1-4; pl. 2, fig. 3; fern, Dicksoniaceae; Siberia, U.S.S.R.; Cretaceous.
- BIRSIOMYCES** Schaarschmidt, 1966  
*Birsiomyces pterophylli* Schaarschmidt, 1966, p. 78, pl. 16-21; fungi, Ascoloculares; Neuwelt near Basel, Switzerland; Triassic.
- BISCHOFINIUM** Bande, 1974  
*Bischofinium deccanii* Bande, 1974, p. 191-194, pl. 2, figs. 6-10; wood, Euphorbiaceae; Parapani, Mandla District, Madhya Pradesh, India; lower Eocene.
- BIUMBELLA** Mamet, 1970  
*Biumbella braznikhovae* (Aizenberg and Braznikhova) Mamet, 1970, Can. Jour. Earth Sci., v. 7, p. 1169, pl. 1, figs. 8-9; Charophyceae; Donetz Basin, Ukraine, U.S.S.R.; Upper Devonian and Lower Carboniferous. New name for *Umbella braznikhovae* Aizenberg and Braznikhova, 1966, pl. 19, figs. 1-3. ING
- BODEODENDRON** Wagner and Spinner, 1976  
*Bodeodendron hispanicum* Wagner and Spinner, 1976, p. 353-356, 2 pls.; lycophyte; Province de Ciudad Real, Spain; Stephanian.
- BOGUTCHANIA** Korde, 1965  
*Bogutchania angarica* Korde, 1965, p. 431, pl. 1, fig. 3; algae, Entophysalidaceae; near Boguchany, Krasnoyarsk Territory, U.S.S.R.; Ordovician.
- BORAGINOCARPUS** Mathur, 1974  
*Boraginocarpus lakhampalii* Mathur, 1974, p. 44-48, figs. 3A, B; 4A-C; fossil seed, Boraginaceae; Saketri, near Chandigarh, India; Neogene.
- BOREOPTERIS** Mogucheva, 1973  
*Boreopteris evenkensis* Mogucheva, 1973, p. 44-47, pl. 3, figs. 1-3; pl. 4, figs. 1-6; pl. 5, figs. 1-7, 11; foliage, Marattiaceae; southern bank of Lake Severnogo, opposite the mouth of Epekli-Sen River, Tunguska Basin, eastern Siberian SFSR, U.S.S.R.; Lower Triassic.
- BOROROA** Petriella, 1972  
*Bororoa anzulovichii* Petriella, 1972, p. 216-221, pls. 6, 7; cycadales trunk, Zamiaceae; central Chubut (Cerro Bororo), southern Argentina; Tertiary.
- BOROVUCHKIA** Parfenova, 1965  
 \**Borovuchkia kemeroviana* Parfenova, 1965, Izv. Tomsk. Politehn. Inst., v. 127, no. 2, p. 132; leaf, Pteridophyta; Borovus, Kemerovo District, Kuznetsk Basin, U.S.S.R.; Permian. ING
- BORUSSIELLA** Chachlov, 1940  
 \**Borussiella minima* Chachlov, 1940, Trudy Nauk Konf. Izuc. Osvoenie Proizv. Sibiri, v. 2, p. 192; leafy shoot, Coniferales; river Burus, Lower Tunguska

- River basin, U.S.S.R.; Lower Permian. ING
- BORYSTHENIA** Stanislavskii, 1976  
*Borysthenia fasciculata* Stanislavskii, 1976, p. 75-81, pl. 36, figs. 5b-7; pl. 43, figs. 1-4; pl. 44; pl. 45, figs. 1-8; pl. 47, figs. 1-3; fossil seeds, Cycadocarpidiaceae; Donetz Basin, U.S.S.R.; middle Keuper.
- BOSEA** Srivastava, 1973  
*Bosea indica* Srivastava, 1973, p. 19-21, pl. 1, figs. 1-12; microsporangiate fructification, incertae sedis; near Nidpur, Gopad River valley, Sidhi District, Madhya Pradesh, India; Triassic.
- BOSTONIA** Stein and Beck, 1978  
*Bostonia perplexa* Stein and Beck, 1978, p. 459-465, 8 figs.; calamopityan axis; near Boston, Kentucky, U.S.A.; Sanderson Formation, Lower Mississippian.
- BOSWELLIOXYLON** Dayal, 1964  
*Boswellioxylon indicum* Dayal, 1964, p. 683-684, figs. 1-3; fossil wood, Burseraceae; Keria, Madhya Pradesh, India; Deccan Intertrapean series, Eocene.
- BRANDENBERGIA** Mustafa, 1975  
*Brandenbergia meinertii* Mustafa, 1975, p. 122-128, pls. 7, 8; fossil leaves; Brandenberg-Schichten, Sauerland, Germany; Middle Devonian.
- BRASILESTILOXYLON** Mussa, 1978  
*Brasilestiloxylon piracicabense* Mussa, 1978, p. 118-122, pl. 1, figs. 1-5; wood; Pedreira Vitti, Piracicaba, Est. São Paulo, Brazil; Formação Irati, Grupo Passa Dois.
- BREVICHARA** Horn af Rantzien, 1956  
*Brevichara hordlensis* Horn af Rantzien, 1956, *Micropaleontology*, v. 2, p. 245; Charophyceae; Hordle Cliffs, Hampshire, England; upper Eocene. New name for *Chara wrightii* Reid and Groves, 1921, p. 183, pl. 4, fig. 1. ING
- BRYOTRICHUM** Yasui, 1926  
*Bryotrichum aichiense* Yasui, 1926, p. 18, pl. 1, figs. 1-6; musci, Bryaceae; Tertiary. ING
- BULLASPHAERA** Licari, 1978  
*Bullasphaera variegata* Licari, 1978, p. 789, pl. 3, fig. 6; alga, incertae sedis; eastern California, U.S.A.; upper pre-Phanerozoic.
- BURSEROXYLON** Prakash and Tripathi, 1973  
*Burseroxylon presuratum* Prakash and Tripathi, 1973, p. 58-60, pl. 4, figs. 19-25; fossil wood, ?Burserorylaceae; Sultanicherra, near Hailadandi, Cachar District, Assam, India; Tertiary.
- BUSCHMANNIA** Kaever and Richter, 1976  
*Buschmannia roeringi* Kaever and Richter, 1976, p. 27-33, pl. 4, figs. 1-5; Archaeocyatha; Southwest Africa; Lower Cambrian.
- BUTHELEZIA** Lacey, van Dijk, and Gordon-Gray, 1975  
*Buthelezia mooiensis* Lacey, van Dijk, and Gordon-Gray, 1975, p. 411-413, figs. on p. 412; small leafy shoots, incertae sedis; Mooi River district, Natal, South Africa; Upper Permian.
- BUTINELLA** Makarikhin, 1978  
*Butinella boreale* Makarikhin, 1978, p. 76-77, pl. 2, fig. 3; stromatolite; Karelia, U.S.S.R.; Yatulian.
- BYSMOCHARA** Grambast and Gutiérrez, 1977  
*Bysmochara conquensis* Grambast and Gutiérrez, 1977, p. 10-11, pl. 2, figs. 10-14; pl. 3, figs. 1-4; pl. 16, figs. 4a-b; charophyte; Torrecilla, ouest au km. 20, de la route allant Ribagorda, Spain; Campanian and Maastrichtian.

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- CABRIEROPORA** Mamet and Roux, 1975  
*Cabrieropora pokornyi* Mamet and Roux, 1975, algae, Dasycladaceae; Cabrières region (Montagne Noire), France; Carboniferous.
- CALATHOPTERIS** Long, 1976  
*Calathopteris heterophylla* Long, 1976, p. 327-335, pl. 1, figs. 1-10; pl. 2, figs. 11-23; pteridospermous axes; Oxroad Bay, East Lothian, Scotland; Lower Carboniferous.
- CALCINEMA** Bornemann, 1886  
 \**Calcinema triasinum* Bornemann, 1886, *Jahrb. Koenigl. Preuss Geol. Landesanst. 1885*, p. 290; algae incertae sedis; Horstberg, Thuringen, Germany; Triassic. ING
- CALYPTOTHRIX** Schopf, 1968  
*Calyptothrix annulata* Schopf, 1968, p. 667-669, pl. 78, figs. 5-8; "alga," Oscillatoriaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.
- CAMPTONEMA** Chungying, 1977  
*Camptonema sinense* Chungying, 1977, p. 163, pls. 1, 2, figs. 1-15; blue-green algae; Xinghua of northern Kiangsu, China; Lower Tertiary.
- CANARIOPHYLLUM** Hickey, 1977  
*Canariophyllum ampla* Hickey, 1977, p. 134, pl. 35, figs. 3, 4; Mercer County,

- North Dakota, U.S.A.; Bear Den Member, Golden Valley Formation, Upper Paleocene.
- CANARIOXYLON** Prakash, Bresinova, and Awasthi, 1974  
*Canarioxylon ceskobudejovicense* Prakash, Bresinová, and Awasthi, 1974, p. 112-113, pl. 50, figs. 10, 12-13, 15; pl. 51, fig. 16; wood, Burseraceae; Dasny near Ceske Budejovice, South Bohemian Basin, Czechoslovakia.
- CANNAEPHYLLUM** Kristofovich, 1934  
*\*Cannaephyllum beringii* Kristofovich, 1934, Trudy Dal'nevast, Geol.-Razved. Tiesta, v. 62, p. 11; imprint of leaf, Zingiberales; Korf Gulf, Kamchatka, U.S.S.R.; middle Miocene. ING
- CARINALASPERMUM** Krassilov, 1976  
*Carinalaspermum mumbureicum* Krassilov, 1976, p. 66, pl. 33, figs. 1-11; Platanaceae.
- CARYOSPHAEROIDES** Schopf, 1968  
*Caryosphaeroides pristina* Schopf, 1968, p. 677, pl. 85, figs. 1-3, 4?, 5; "alga," Chlorellaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.
- CASSINIUM** Prakash, 1973  
*Cassinium profistulai* Prakash, 1973, p. 199-202, pl. 4, figs. 14, 16, 17; fossil wood, closest affinities are with the modern genus *Cassia*; Himachel Pradesh, India; lower Siwalik beds, middle Miocene.
- CASTANEOIDES** MacGinitie, 1974  
*Castaneoides aequalita* MacGinitie, 1974, p. 73-74, pl. 2, fig. 4; fossil leaf; Tipperary, Kisinger Lakes, Wyoming, U.S.A.; middle Eocene.
- CATHAIPTERIDIUM** Obrhel, 1966  
*Cathaipteridium minutum* (Halle) Obrhel, 1966, p. 442. New name for *Protopteridium minutum* Halle, 1936, p. 16, pls. 4, 5; Yunnan Province, China; Devonian.
- CATHAYSIODENDRON** Lee, 1963  
*\*Cathaysiodendron incertum* (Sze and Lee) Lee, 1963, Pal. sinica, n. s., A, v. 6, p. 127-128, pl. 21, fig. 166; pl. 19, fig. 6; north China; Stephanian.
- CATINELLA** Pflug, 1965  
*Catinella polymorpha* Pflug, 1965, p. 65-66, pl. 27, figs. 11-13; Clark Fork Quadrangle, Idaho-Montana, U.S.A.; Precambrian.
- CAUDICULOPHYCUS** Schopf, 1968  
*Caudiculophycus revularioides* Schopf, 1968, p. 679-680, pl. 79, figs. 3-6; incertae sedis, "alga," Oscillatoriaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.
- CAUDOPHYTON** Stepanov, 1967  
*\*Caudophyton aquatilis* Stepanov, 1967. Noticed in Stepanov, S. A., 1975, p. 73, pls. 26, 27; Primofilices incertae sedis; Devonian.
- CAVEOPHYLLUM** Megatcheva, 1968  
*\*Caveophyllum guttiforme* Megatcheva, 1968, in Markovskiy, B. P., Novye Vidy Drevnih Rast. Bespozv., U.S.S.R.; Upper Triassic. ING
- CEPHALOPHYTARION** Schopf, 1968  
*Cephalophytarion grande* Schopf, 1968, p. 669, pl. 78, figs. 1-4; "alga," Oscillatoriaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.
- CHAETOCOCUS** Kuetzing, 1849  
*\*Chaetococcus violaceus* Kuetzing, F. T., 1849, Tabulae Phycol., v. 1, p. 51; algae incertae sedis. ING
- CHAKREA** Srivastava, 1974  
*Chakrea papillosa* Srivastava, 1974, p. 45-48, pl. 1, figs. 8-9; wheel-shaped plant organ; Nidpur, Sidhi District, M. P., India; Lower(?) and Middle Triassic.
- CHALEURIA** Andrews, Gensel, and Forbes, 1974  
*Chaleuria cirrosa* Andrews, Gensel, and Forbes, 1974, p. 387-407, pls. 52-57; fertile axes, incertae sedis; beach outcrop three-quarters of a mile west of Dalhousie Junction, New Brunswick, Canada; Middle Devonian.
- CHARIELLA** Birina  
*Chariella prisca* Birina, 1948, p. 155, pl. 1, fig. 3; algae incertae sedis; Bolohova, Moskovskaja District, U.S.S.R.; Upper Devonian. ING
- CHEIROPHYLLUM** Pant and Singh, 1978  
*Cheirophyllum lacerata* (Feistmantel) Pant and Singh, 1978, p. 353-362, pl. 1, 2; detached simple leaves; South Rewa Gondwana Basin, India; Karharbari Stage, lower Gondwana. New name for *Noeggerathiopsis lacerata* Feistmantel, 1886, pl. 15, figs. 1-3; pl. 17, figs. 2-3.
- CHHSIENELLA** Liang and Tsao, 1974  
*Chhsienella chhsienensis* Liang and Tsao, 1974, p. 14-15, pl. 6, figs. 1-2; pl. 7, fig. 2; alga, Corallinaceae; China; Sinian.
- CHINIANELLA** Ott, 1967  
*\*Chinianella ellenbergeri* (Lebouché and Lemoine) Ott, 1967, new name for *Cylindroporella ellenbergeri*; southern

- France; Lias.
- CHITALEYPUSHPAM** Paradkar, 1971  
*Chitaleypushpam mohgaense* Paradkar, 1971, p. 334-338, figs. 1-10; pls. 1-2, figs. 1-11; a dicotyledonous fossil flower; Mohgaonkalan, Chhindwara District, Madhya Pradesh, India; Upper Cretaceous.
- CHLOROTYLITES** Howe, 1932  
*Chlorotylites berryi* Howe, 1932, p. 219-220, pl. 15, figs. 1-3; alga, Chlorophyceae; Sumter County, Alabama, U.S.A.; Sucarnooche Clay, lower Eocene. ING
- CHONDROSTROMA** Gürich, 1906  
 \**Chondrostroma* no sp. given Gurich, 1906, Mem. Mus. Roy. Hist. Nat. Belgique, v. 3, no. 12, p. 12, 45, 54; Cyanophyceae; Namur, Belgium; Lower Carboniferous, lower Viséan. ING
- CLADOCUPRESSINOXYLON** Hoffmann, 1884  
 \**Cladocupressinoxylon ucranicum* Hoffmann, 1884, Z. Naturwiss, v. 57, p. 171; wood of branches, Coniferae; Verona, Italy; Cretaceous. ING
- CLADOGIRVANELLA** Ott, 1966  
 \**Cladogirvanella cipitensis* Ott, 1966, Mitt. Bayer. Staatssamml. Palaeont., v. 6, p. 162; Cyanophyceae; Cipitbach, Austria; Middle Triassic, upper Ladinian. ING
- CHLAMYDOSPORITES** Paradkar, 1975  
*Chlamydosporites gramineum* Paradkar, 1975, p. 96, pl. 1, fig. 4; fossil fungi; Mohgaon Kalan, District Chhindwara, M. P., India; Deccan Intertrappean series, Upper Cretaceous.
- CHOLOROGLŌEAOPSIS** Maithy, 1975  
*Cholorogloeopsis zairensis* Maithy, 1975, p. 139, pl. 3, figs. 21-23; algal, elongated colony, Entophysalidaceae; Kanshi, Zaire; Bushimay supergroup, upper Precambrian.
- CHRYSOPHYLLOXYLON** Awasthi, 1975  
*Chrysophylloxyton pondicherriense* Awasthi, 1975, p. 21-22, pl. 1, figs. 1-3, 6; pl. 2, figs. 7, 8; fossil wood; Murattandichavadi, near Pondicherry, India; Cudalore series, Miocene and Pliocene.
- CIRCULIMORPHA** Yin and Li, 1978  
*Circulimorpha concentrica* Yin and Li, 1978, p. 91, pl. 7, figs. 7-8; alga, Chlamydomonadaceae; southwest China; Precambrian.
- CLASSOSTROBUS** Alvin, Spicer, and Watson, 1978  
*Classostrobos rishra* (Barnard) Alvin, Spicer, and Watson, 1978, p. 850. New name for *Masculostrobos rishra* Bernard, 1968, p. 168, pl. 1; conifer male cone; Elburz Mountains, northern Iran; Upper Carboniferous.
- CLIBECA** Poncet, 1975  
*Clibeca devoniana* Poncet, 1975, p. 119-123, pl. 11, figs. 1-5; calcareous algae, Udoteaceae; Surtainville, Cotentin (Manche), France; Lower Devonian.
- CLOSTERIMOPSIS** Yin and Li, 1978  
*Closterimopsis curvus* Yin and Li, 1978, p. 94, pl. 8, fig. 10; alga, Dasmidaceae; southwest China; Precambrian.
- COELOTROCHIUM** Schlueter, 1879  
 \**Coelotrochium dechenia* Schlueter, 1879, Z. Deutsch. Geol. Ges., v. 31, p. 668; Dasycladaceae; Eifel, Germany; Middle Devonian. ING
- COLAXYLON** Koeniguer, 1973  
*Colaxylon coppensi* Koeniguer, 1973, p. 192-195, pl. 1, figs. 1-3; fossil plant, Sterculiaceae; l'ois de Kirdimi, Tchad; Devonian.
- COLUMBIAPORA** Mamet, 1974  
*Columbiapora johnsoni* Mamet, 1974, p. 44, pl. 3, figs. 5-12; alga, Dasycladaceae; region of Mt. Hannington, British Columbia, Canada; Tournaisian.
- COMBRETOPHYLLUM** Puri, 1966  
*Combretophyllum josiensis* Puri, 1966, p. 239, pl. 3, figs. 10, 11; angiospermic leaf fragments, Combretaceae; Jos Plateau, Nigeria; Tertiary.
- COMBRETOXYLON** Lemoigne, 1978  
*Combretoxyton desrotoris* Lemoigne, 1978, p. 110-111, pl. 5, figs. 10-15; fossil wood; Pont sur l'Omo, Ethiopia; Miocene.
- CONDOMAEPHYTON** Radcenko and Petrosjan, 1960  
 \**Condomaephyton gracile* Radcenko, G. P. and Petrosjan, M. M., 1960, Vesesojuzn. Nauk Geol. Inst. Inform. Sbornik, v. 24, p. 102; stem, incertae sedis; Kondoma River, Kemerovo District, Siberia, U.S.S.R.; Upper Devonian. ING
- CONFUNDA** Semikhatov, 1978  
*Confunda confuta* Semikhatov, 1978, p. 133-136, pl. 19, figs. 1-5; stromatolite; Canadian Shield; Alpehian.
- CONGLOBORELLA** Licari, 1978  
*Congloborella trozelli* Licari, 1978, p. 788-789, pl. 2, fig. 4; alga, incertae sedis; eastern California; upper pre-Phanerozoic.
- CONDOMAJELLA** Radzenko, 1969  
*Condomajella typica* Radzenko, 1969, p. 173; gymnospermous seed; Permian. C. *tankaensis* Radzenko, 1969, pl. 27, fig. 14 in Sukhov, 1969, validates the genus.

**CONIOPTERIDIUM** Kirichkova and Pavlov, 1965

*Coniopteridium sibiricum* Kirichkova and Pavlov, 1965, p. 118-120, pl. 11, figs. 1-11; sterile leaves, Dicksoniaceae; lower reaches of the river Sitte, a left tributary of the Lena, U.S.S.R.; Lower Cretaceous.

**CONIPORELLA** Fischer and Thierry, 1971

*Coniporella clavaeformis* (d'Archaic) Fischer and Thierry, 1971, p. 25-34. New name for *Conipora clavaeformis* d'Archaic, 1843.

**CONOCOLLENIA** Maslov, 1960

*Conocollenia glebulosa* Maslov, 1960, p. 78, pl. 21, figs. 4-5; alga; Siberian platform, U.S.S.R.; Ordovician.

**CONODICTYUM** Goldfuss, 1832

*Conodictyum striatum* (Münster M.S.) Goldfuss, 1832, p. 104, pl. 37; algae, Dasycladaceae; Baviere, Germany; upper Oxfordian. Originally described as an animal but generally considered to be an alga, see Fischer, J. C. and J. Thierry, 1971, p. 26. ING

**CONTORTOTHRIX** Schopf, 1968

*Contortothrix vermiformis* Schopf, 1968, p. 670-671, pl. 79, figs. 7, 8; "alga," Oscillatoriaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.

**CONTORTONEMA** Schopf and Blacic, 1971

*Contortonema vermiforme* (Schopf) Schopf and Blacic, 1971, p. 956. Name change of *Contortothrix vermiformis* Schopf, 1968, p. 671, pl. 79, figs. 7, 8.

**COOKSONELLA** Senkevitch, 1978

*Cooksonella sphaerica* Senkevitch, 1978, p. 288-292; figs. 1-3; psilophytales; Devonian.

**CORNUSPERMUM** Banerjee, 1969

*Cornuspermum pennatus* Banerjee, 1969, p. 361-364, pls. 2-3, figs. 8-17; glossopteridian seeds; Murulidith collieries, Bihar, India; Mohuda seam, Raniganj Stage, Upper Permian.

**CORYMBOSTONUM** Zanon, 1947

\**Corymbostonum ivanoffii* Zanon, 1947, Acta Pontif. Acad. Sci., v. 11, p. 48, 54; Chrysostomataceae; Quaternary. ING

**COSTAPALMA** Daghlian, 1978

*Costapalma philippii* Daghlian, 1978, p. 72, pl. 6, figs. 22-23; pl. 7, figs. 25-26; pl. 8, figs. 31-33; fossil palm leaves; Lamkin clay pit, Hickory Quadrangle, Kentucky, U.S.A.; Claiborne Group, middle Eocene.

**COSTATHECA** Hall, 1967

*Costathecra (Chrysotheca) discoensis* (Miner)

Hall, 1967, p. 1298; "perianth," Jungermanniales (Bryophyta); Greenland; Upper Cretaceous.

**COSTATUMBELLA** Berchenko, 1974

*Costatumbella ukrainica* Berchenko, 1974, p. 107.108, pl. 1, figs. 13, 14; Charophyceae; Dneiper, Donets Basin, Ukraine, U.S.S.R.; Upper Devonian.

**COURVOISIELLA** Niklas, 1976

*Courvoisiella ctenomorpha* Niklas, 1976, p. 187-203, pl. 1, figs. 1-9; pl. 2, figs. 1-12; siphonous alga; 3.5 km west of Valley Head, West Virginia, U.S.A.; Upper Devonian.

**COUMOXYLON** Gottwald, 1976

*Coumoxylon hartigii* Gottwald, 1976, p. 283-290, pl. 40-41; fossil wood; Tagebau Neumark-Sud, Saxony, Germany; middle Eocene.

**CRAIBIOXYLON** Lemoigne, 1978

*Craibioxylon welkitii* (Lemoigne and Beauchamp, 1972) Lemoigne, 1978, p. 109-110, pl. 3, figs. 1-8; fossil wood; Welkite, Ethiopia; Miocene. New name for *Leguminoxyylon welkitii* Lemoigne and Beauchamp, 1972.

**CRIBRITES** Lange, 1978

*Cribrites aurea* Lange, 1978, p. 534, figs. 5, 7, 8; fossil fungi; Golden Grove, South Australia; middle Eocene.

**CRINELLA** Sokac and Nikler, 1973

*Crinella carsica* Sokac and Nikler, 1973, p. 18-19, pl. 13, figs. 1-11; calcareous algae, Dasycladaceae; Montenegro, Yugoslavia; Barremian and Aptian. ING

**CRISTOPHYTON** Stepanov, 1965

\**Cristophyton kuznetskianum* Stepanov, 1965. Noticed in Stepanov, S. A., 1975, p. 77-78, pl. 3, fig. 1; Primofilices incertae sedis; Devonian.

**CRUSTELLA** Maslov, 1960

*Crustella stylostromica porosa* Maslov, 1960, p. 86, pl. 17, figs. 1-3; alga; Siberian platform, U.S.S.R.; Ordovician.

**CRUSTOPHYCUS** Vologdin, 1962

\**Crustophycus angaricus* Vologdin, A. G., 1962, Drevn. Vodorosli. U.S.S.R., p. 195; Cyanophyceae-Crustophycaceae; Angara River, Krasnoyarsk Territory, U.S.S.R.; upper Precambrian. ING

**CULCITITES** Appert, 1973

*Culcites madagascariensis* Appert, 1973, p. 35, pls. 47-53; Dicksoniaceae; Ambatomainity, Bereich, Madagascar; Upper Jurassic.

**CYANONEMA** Schopf, 1968

*Cyanonema attenuata* Schopf, 1968, p. 670, pl. 79, figs. 1, 2; "alga," Oscillatoriaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter

- Springs Formation, upper Precambrian. Species name changed to *C. attenuatum* in Schopf and Blacic, 1971, p. 956.
- CYANOSTROMA** Vologdin, 1962
- \**Cyanostroma turuchanicum* Vologdin, A. G., 1962, *Drevn. Vodorosli U.S.S.R.*, p. 287; Cyanophyceae-Plexostromataceae; Yenisey River, Krasnoyarsk Territory, U.S.S.R.; upper Precambrian. ING
- CYCADINORACHIS** Sharma, 1973
- Cycadinorachis omegoides* Sharma, 1973, p. 48, pl. 1, figs. 5-7; rachis, Cycadales; Rajmahal Hills, Bihar, India; Jurassic. ING
- CYCLISTOMORPHITES** Yin and Li, 1978
- Cyclistomorphites laxus* Yin and Li, 1978, p. 96, pl. 9, fig. 8; algae incertae sedis; southwest China; Precambrian.
- CYCLOSPHENOPTERIS** Stopa, 1957
- \**Cyclospenopteris striata* (Gothan) Stopa, 1957; Sphenopteridae; Silesia, Poland; Westphalian (A?). New name for *Sphenopteris striata* Gothan, 1913, *Abh. Königl. Preuss. Geolog. Landesanst.*, N. F., v. 75, p. 24, pl. 5, fig. 2; pl. 6, fig. 3.
- CYCLOSTROBUS** Helby and Martin, 1965
- Cyclostrobos sydneyensis* (Walkom) Helby and Martin, 1965, *Austral. Jour. Botany*, v. 13, p. 391, pl. 1, figs. 3, 5, 6; pl. 2, figs. 10, 11, 18; pl. 3, figs. 22-27; cone with megaspores and microspores; Australia; Lower Triassic. New name for *Araucarites sydneyensis* Walkom. ING
- D
- DABEROCARPON** Chitaley and Sheikh, 1971
- Daberocarpon gerhardii* Chitaley and Sheikh, 1971, p. 297-299, pl. 1, figs. 1-7; a schizocarpic fruit, possibly Malvaceae; Mohgaon-kalan, Chhindwara District, India; uppermost(?) Cretaceous.
- DAMUDOSORUS** Pant and Misra, 1977
- Damudosorus searsolensis* Pant and Misra, 1977, p. 77-79, pl. 1, figs. 1-9; pectopterid leaves; Raniganj coal field, West Bengal, India; Raniganj Stage, lower Gondwana.
- DAMUDOPTERIS** Pant and Khara, 1972
- \**Damudopteris polymorpha* (Feistmantel) Pant and Khara, 1972, p. 121-135; sphenopterid fern frond; Raniganj coal field, West Bengal, India; Raniganj Stage of the Damuda series. According to Maithy, P. K., 1973, *Damudopteris* is invalid as *Neomariopteris* was published one month earlier and both are based on the same material of Feistmantel.
- DANAEPHYLLUM** Grebenca, 1928
- \**Danaephyllum narbornense* Grebenca, O. A., 1928, *Izv. Assoc. Nauk. Inst. Fiz.-Mat. Fak. Perv. Moskovsk Gosud. Univ.*, v. 1, nos. 1-2, p. 56; branch with leaves, Liliaceae; Armissan, near Narbonne, France; Tertiary, Aquitanian. ING
- DECCANANTHUS** Chitaley and Kate, 1972
- Deccananthus savitrii* Chitaley and Kate, 1972, p. 317-319, pl. 1, figs. 1-6; a petrified flower, incertae sedis; Mohgaon-kalan, Chhindwara District, Madhya Pradesh, India; uppermost(?) Cretaceous.
- DENKANIA** Surange and Chandra, 1971
- Denkania indica* Surange and Chandra, 1971, p. 264-268, 2 pls., 4 figs.; female reproductive organ, Glossopteridales; Handappa, Orissa, India; Upper Permian.
- DESMIDOPSIS** Yin and Li, 1978
- Desmidopsis prima* Yin and Li, 1978, p. 94, pl. 8, fig. 6; alga, Dasmidaceae; southwest China; Precambrian.
- DESMOPOROXYLON** Lepekhina and Yatsenko-Khmelevsky, 1966
- Desmoporoxyylon newberryi* (Dawson) Lepekhina and Yatsenko-Khmelevsky, 1966, p. 68, new name for *Dadoxylon newberryi* Dawson, 1871, p. 14, pl. 1, figs. 7-9; wood of pycnoxylic plant; Ohio, U.S.A.; Middle Devonian, Hamilton Group. ING
- DETARIOPHYLLUM** Louvet and Mouton, 1970
- Detariophyllum coquinense* Louvet and Mouton, 1970, p. 85-87, pl. 3; fossil leaf; Libya; Oligocene.
- DICHOTOMOPTERIS** Maithy, 1972
- Dichotomopteris major* (Feistmantel) Maithy, 1972, p. 365-366, pl. 1, figs. 1-4; new name for *Merianopteris major* Feistmantel, 1881, p. 83, pl. 19A, figs. 9-11; fern; Raniganj coal field, West Bengal, India; Permian.
- DICTYOSPHAERIDIUM** Timofeev, 1969
- \**Dictyosphaeridium tungusum* Timofeev, 1969, *Sferomorfidy proterozoa*, p. 18, pl. 4, fig. 2.
- DIETTERTIA** Brown and Robison, 1974
- Dietteria montanensis* Brown and Robison, 1974, p. 170-173, 6 figs.; moss gametophyte; Great Falls, Cascade County, north-central Montana, U.S.A.; Lower Cretaceous.
- DIMORPHOSIPHONOIDES** Guilbault and Mamet, 1976
- Dimorphosphonoides lespancei* Guilbault and Mamet, 1976, p. 645-646,



- pl. 4, figs. 7, 8; alga; Saint-Vincent-de-Paul, Canada; Formation de Lowville, Ordovician.
- DINARELLA** Sokac and Nikler, 1969  
*Dinarella kochi* Sokac and Nikler, 1969, p. 303, pls. 1, 2; calcareous algae, Dasycladaceae; Velebit Mountain, Yugoslavia; lower Lias. ING
- DIOSCOREAEACARPUM** Andreanszky, 1959  
*Dioscoreaeacarpum marginatum* Andreanszky, G., 1959, Acta Bot. Akad. Sci. Hung., v. 5, p. 21, pl. 4, figs. 20, 21; fruit, Diosioreaaceae; Kiseged, near Eger, Hungary; lower Oligocene. ING
- DIOSPYROPSIS** Korovin, 1956  
*Diospyropsis microcarpa* Korovin, E. P., 1956, p. 835, not illustrated; fructification, Ebenaceae; Er-Orlan-Duz Lake, Badkhyz, Turkmenistan, U.S.S.R.; Paleogene. ING
- DIPHYLLOPTERIS** Srivastava, 1978  
*Diphyllopteris verticillata* Srivastava, 1978, p. 486-488, pl. 1, figs. 1-3; leaves attached in a whorl; Auranga coal field, Bihar, India; lower Gondwana, Upper Permian.
- DIPLOLEPIDODENDRON** Lejal-Nicol, 1975  
*Diplolepidodendron costulatum* Lejal-Nicol, 1975, p. 60-63, pl. 1, fig. 1; pl. 2, figs. 7-9, 11; pl. 5, fig. 25; axes, Protolopidodendraceae; Mourzouk Basin, Libya; Lower Devonian.
- DIPLONEUROSPORA** Jain and Gupta, 1970  
*Diploneurospora tewarii* Jain and Gupta, 1970, p. 180, pl. 1, fig. 21; fungus, Microthyriaceae; Padappakara (11 km northeast of Quilon), western Ghat, India; Tertiary, Miocene.
- DIPLOPORUNDUS** Bock, 1961  
*Diploporundus rugosus* Bock, W., 1961, Proc. Pennsylvania Acad. Sci., v. 35, p. 78; Dasycladaceae; Gwynedd, Pennsylvania, U.S.A.; Upper Triassic. ING
- DIRHOPALOSTACHYS** Prynada (MS), fide Krassilov, 1975  
*Dirhopalostachys rostrata* Prynada (MS), fide Krassilov, 1975, p. 103-104, pl. 1, figs. 1-17; pl. 2, figs. 18-30; pl. 3, figs. 31-43; pl. 5, figs. 60-64; proangiosperm, Dirhopalostachyaceae; Urgal and Bureya River valleys, U.S.S.R.; Upper Jurassic to Lower Cretaceous.
- DISCINELLA** Xing-Xue and Chong-Yang, 1978  
*Discinella cui Fengshanensis* Xing-Xue and Chong-Yang, 1978, p. 9, pl. 1, figs. 1-2, 2a; algae incertae sedis; East Yunnan, southwest China; Lower Devonian.
- DISCORSIA** Semikhatov, 1978  
*Discorsia discorsia* Semikhatov, 1978, p. 136-138, pl. 20, figs. 1, 2; pl. 21, figs. 1, 2; stromatolite; Canadian Shield; Aphebian.
- DISTICHOPLAX** Pia, 1934  
*\*Distichoplax biserialis* (W. O. Dietrich) Pia, 1934, Vestn. Statniho Geol. Ustavu. Ceskoslov. Republ., v. 10, p. 18; Rhodophyceae-Corallinaceae; between Kirtaka and Sajindek, Baluchistan, Pakistan; upper Eocene. New name for *Lithothamnium biserialis* W. O. Dietrich. ING
- DISTICHO THECA**, 1974  
*Distichotheca crossothecoides*, 1974, p. 167, pl. 129, figs. 1-4; fructifications, Coniferae; China; Carboniferous. In Paleozoic plants of China: Nanking Inst. Geol. and Paleont. 1974 (in Chinese).
- DOBUNNIELLA** Elliott, 1975  
*Dobunniella coriniensis* Elliott, 1975, p. 358, 360-361, pl. 49, figs. 1, 2; pl. 50, fig. 1; algae, Dasycladaceae; Cirencester, Gloucestershire, England; Middle Jurassic.
- DONEGGIA** Rothwell, 1978  
*Doneggia complura* Rothwell, 1978, p. 3096-3104, figs. 1-22; filicalean fern; 8 km west of Steubenville, Ohio, U.S.A.; Upper Pennsylvanian.
- DORDRECHTITES** Anderson, 1978  
*Dordrechtites elongatus* Anderson, 1978, p. 62-63, pl. 4, figs. 1-21; pl. 5, figs. 1-14; pl. 6, figs. 3, 4; pl. 8, fig. 3; T-shaped scale, Coniferales; Dordrecht II (Bird's River), South Africa; Molteno Formation, Upper Triassic.
- DORFIELLA** Weber, 1976  
*Dorfiella auriculata* Weber, 1976, p. 1-13, 3 pls.; fossil water fern; Nueva Rosita no. 6 coal mine, Coahuila, Mexico; Olmos Formation, lower or middle Maestrichtian.
- DUGHIELLA** Feist-Castel, 1975  
*DughIELLA bacillaris* Feist-Castel, 1975, p. 89, pl. 1, figs. 1-9; Charophyceae; Aix-en-Provence Basin, Bouches-du-Rhone, France; upper Paleocene. ING
- DUNEDOOIA** Holmes, 1977  
*Dunedooia reticulata* Holmes, 1977, p. 52-57, 1 pl.; fossil pinnate leaf; Cobborah, New South Wales, Australia; Dunedoo Formation, Permian.
- DUTROELLA** Mamet and Roux, 1978  
*Dutroella scotti* Mamet and Roux, 1978, p. 75-76, pl. 3, figs. 3-4; dasycladacean alga; northernmost Tennessee, U.S.A.; upper Viséan.

**DZHULFANELLA** Korde, 1965

*Dzhulfanella gelatinosa* Korde, 1965, p. 273, pl. 51, figs. 2-6; Rhodophyceae; Dzhagdy River, near Ogbin, Armenia, U.S.S.R.; Upper Permian. ING

## E

**EDYNDELLA** Mogucheva, 1973

*Edyndella dentata* Mogucheva, 1973, p. 83-85, pl. 6, figs. 1-9; pl. 37, figs. 1-5; foliage, incertae sedis; Tunguska Basin, eastern Siberian SFSR, U.S.S.R.; Lower Triassic.

**EIRENE** Gorelova, 1973

*Eirene asteriscus* Gorelova, in Gorelova, Men'shikova and Khalifin, 1973, pt. 1, p. 93-95; pt. 2, pl. 19, figs. 10, 11; arthropyte, incertae sedis; Kuznetsk Basin, Kemerovo, U.S.S.R.; Carboniferous.

**ELATRA** Appert, 1977

*Elatra bella* Appert, 1977, p. 25-27, pl. 32, figs. 1-4; ?Glossopteridales; Sakoa coal basin, southwest of Madagascar; lower Gondwana.

**ELENIA** Pojarkov, 1965

*Elenia famena* (Bykova) Pajarkov, 1965, p. 730; alga, Umbellaceae; Uryupinsk District, Stalingrad region, U.S.S.R.; Upper Devonian. New name for *Umbella famena* Bykova, 1955, in Bykova and Polenova, p. 43, pl. 9, fig. 7; pl. 15, figs. 3, 5. ING

**ELEONORA** Bertrand-Sarfati and Caby, 1976

*Eleonora ramosa* Bertrand-Sarfati and Caby, 1976, p. 22, figs. 13a, d; stromatolite; Eleonore Bay, Greenland; Precambrian.

**ELLESMERIA** Sveshnikova, 1975

*Ellesmeria juniperoides* Sveshnikova, 1975, Botanicheskii Zhurn., v. 60, p. 372-373, pl. 1, figs. 27a, 28a, 29, 30; Compressaceae; Ellesmere Island, Northwest Territories, Canada; Tertiary.

**EMPLECTOPHYCUS** Xing-Xue and Chong-Yang, 1978

*Emplectophycus yunnanensis* Xing-Xue and Chong-Yang, 1978, p. 10, pl. 1, figs. 22, 23; algae incertae sedis; East Yunnan, southwest China; Lower Devonian.

**ENCRUSTA** Daley, 1974

*Encrusta psalliota* Daley, 1974, p. 16-18, pl. 2, figs. 1-4; pl. 3, figs. 1-3; calcified alga, Scytonemaceae; Isle of Wight, Hampshire, England; Oligocene.

**ENDOINA** Korde, 1965

*Endoina stellata* Korde, 1965, p. 282, pl.

57, figs. 1-3; Dasycladaceae; Nakhuevanskaya, U.S.S.R.; Upper Permian. ING

**ENTANDROPHRAGMINIUM** Prakash, 1976

*Entandrophragminium aegyptiancum* Prakash, 1976, p. 502-504, pl. 90, figs. 4-6, pl. 91, figs. 1-4; fossil wood; Cairo, Egypt; probably Tertiary.

**ENTOPELTACITES** Selkirk, 1972

*Entopeltacites osbornii* (Lange) Selkirk, 1972, p. 143, pl. 7, figs. 1-4; fungi; South Maslin Sands, South Australia; Eocene. New name for *Marginula osbornii* Lange. ING

**EODASYCLADUS** Cros and Lemoine, 1966

*Eodasycladus ogilviae* Cros and Lemoine, 1966, p. 161-163, pl. 1, figs. 3-7; alga, Dasycladaceae; l'Alpe Fanes, France; Lias.

**EOKACHYRA** Crepet, Dilcher, and Potter, 1975

*Eokachyra aelolius* Crepet, Dilcher, and Potter, 1975, p. 813-823, figs. 1-25; a catkin with juglandaceous affinities; Weakley County, Tennessee, U.S.A.; middle Eocene.

**EOMIMOSOIDEA** Crepet and Dilcher, 1977

*Eomimosoidea plumosa* Crepet and Dilcher, 1977, p. 714-725, 17 figs.; mimosoidean inflorescence; Warman clay pit, Weakley County, Tennessee, U.S.A.; middle Eocene, Claiborne Formation.

**EOMYCETOPSIS** Schopf, 1968

*Eomycetopsis robusta* Schopf, 1968, p. 684-685, pl. 82, figs. 2, 3; incertae sedis; "alga," Eumycophyta (?); 40 miles east-northeast of Alice Springs, Northern Territory, Australia; upper Precambrian, Bitter Springs Formation.

**EOSTANGERIA** Barthel, 1976

*Eostangeria saxonica* Barthel, 1976, p. 466-471, pls. 87-88; fossil leaf; Tagebau Böhlen; middle to upper Eocene.

**EOTETRAHEDRION** Schopf and Blacic, 1971

*Eotetrahedron princeps* Schopf and Blacic, 1971, p. 955-956, pl. 112, fig. 1, 2(?); alga; Ellery Gorge, 80 km west of Alice Springs, Northern Territory, Australia; Precambrian.

**EOUMBELLA** Platonov, 1974

*Eoumbella ollaria* (Bykova, 1955) Platonov, 1974, p. 109-110, pl. 9, figs. 15-17; charophyte. New name for *Umbella ollaria* Bykova, 1955.

**EOVELEBITELLA** Vachard, 1974

*Eovelebitella occitanica* Vachard, 1974, p.

- 1855-1858, fig. 2; Dasycladaceae; Vailhan, Herault, France; Lower Carboniferous. ING
- EOVOLVOX** Kaźmierczak, 1975  
*Eovolvox silesiensis* Kaźmierczak, 1975, p. 76-81, pl. 17, figs. 1, 2; pl. 18, figs. 1-3; pl. 19, figs. 1, 3-4; pl. 20, figs. 1-6; colonial algae, Volvocaceae; town of Sosnowiec, Katowice District, Upper Silesia, southern Poland; Upper Devonian.
- EOZYGIION** Schopf and Blacic, 1971  
*Eozygion grande* Schopf and Blacic, 1971, p. 953-954, pl. 111, figs. 2a-c, 6?, 7?; pl. 112, figs. 5a, b; alga; Ellery Gorge, 80 km west of Alice Springs, Northern Territory, Australia; Precambrian.
- EPIVALVIA** Daley, 1974  
*Epivalvia edwardsii* Daley, 1974, p. 15-16, pl. 1, figs. 1-3; calcified alga, Scytonemaceae; Isle of Wight, Hampshire, England; Oligocene.
- EQUITATILEPIS** Pant and Basu, 1977  
*Equitatilepis elongatus* Pant and Basu, 1977, p. 175, pl. 3, figs. 17-21; fossil scale; Nidpur, India; Triassic.
- EREMODENDRON** Chachlov, 1940  
*Eremodendron articulatum* Chachlov, 1940, p. 509; stem, Lycopodiopsida; river Batoy, near Krasnoyarsk, U.S.S.R.; Upper Devonian.
- EREMOSIMORPHA** Yin and Li, 1978  
*Eremosimorpha elliptica* Yin and Li, 1978, p. 91, pl. 8, fig. 5; alga, Eremosphaeraceae?; southwest China; Precambrian.
- EREVANELLA** Maslov, 1962  
*Erevanella flavellosa* Maslov, 1962, p. 129, text fig. 99; Rhodophyceae-Ungdarellaceae; Vedi area, Armenia, U.S.S.R.; Middle Permian.
- ERICOXYLON** Hofmann, 1939  
*\*Ericoxylon arboreum* E. Hofmann, 1939, Tisia, v. 3, p. 267; wood, Ericaceae; Tokay-Eperjesi Mountains, Hungary; upper Miocene. ING
- ERITHRINAPHYLLUM** Louvet and Mouton, 1970  
*Erithrinaphyllum parvisenegalense* Louvet and Mouton, 1970, p. 92-94, pl. 4, fig. 4; fossil leaf; Coquin, Libya; Oligocene.
- ESTINNOPHYTON** Fairon-Demaret, 1978  
*Estinnophyton gracile* Fairon-Demaret, 1978, p. 597-610, figs. 1-9; plant remains; Estinnes-au-Mont, east of Binche, Belgium; lower Siegenian.
- EUROPHYLLITES** Gluchova, 1978  
*Europhyllites crassus* (Renault) Gluchova, 1978, (sensu Harms and Leisman, 1961), p. 534, illustrated in Harms and Leisman, 1961; fossil leaves; Iowa, U.S.A.; Pennsylvanian. New name of *Cordaites crassus* Harms and Leisman, 1961.
- EUSPONDYLOPORELLA** Sokač and Nikler, 1973  
*Euspondylopora duplicata* Sokač and Nikler, 1973, p. 22-25, pl. 10, fig. 5; pl. 11, figs. 1-4; pl. 12, figs. 1-4; cylindrical calcareous thallus, Dasycladaceae; Montnégro, Jugoslavia; Barremian and Aptian.
- EUTHURSOPHYTON** Mustafa, 1978  
*Euthursophyton hamperbachense* Mustafa, 1978, p. 94-97, pl. 9, figs. 11, 12; axes; Hamperbach-Tel, Sauerland, Germany; Devonian, Brandenberg beds.
- EUXYLOPHOROXYLON** Petriella, 1972  
*Euxylophoroxyylon chiquichanense* Petriella, 1972, p. 190-195, figs. 5A-B; pl. 4, figs. A, B, C, and E; wood, Rutaceae; central Chubut (Cerro Bororo), southern Argentina; Tertiary.
- EXTERNIA** Semikhatov, 1978  
*Externia externa* Semikhatov, 1978, p. 122-125, pl. 14, figs. 1-4; stromatolite; Canadian Shield; Aphebian.

F

- FANESELLA** Cros and Lemoine, 1966  
*Fanesella dolomitica* Cros and Lemoine, 1966, p. 164, pl. 2, figs. 1, 3, 5; Dasycladaceae with a cylindrical calcareous sleeve; Dolomites, Italy; Lias.
- FASCIELLA** Ivanova, 1973  
*Fasciella kizilia* Ivanova, 1973, p. 39, pl. 21, fig. 2; pl. 27, fig. 6; ?Chlorophytophyta; Oural [Urals, U.S.S.R.?]; Carboniferous.
- FASCIPTERIS**, 1974  
*Fascipteris hallei* (Kaw.), 1974, p. 99, pl. 68, figs. 8-12; leaflets, Pecopterides; China; Carboniferous. In Paleozoic plants of China: Nanking Inst. Geol. and Palaeont., 1974 (in Chinese). New name for *Validopteris hallei* (Kaw.) Stockm. and Math.
- FERAXOTHECA** Millay and Taylor, 1977  
*Feraxotheca culcitatus* Millay and Taylor, 1977, p. 177-185, 14 figs., lyginopterid pollen organ; Lewis Creek, Kentucky, U.S.A.; Lower to lower Middle Pennsylvanian.
- FERGANIELLA** Prynada, 1935  
*\*Ferganiella urjancaica* Prynada, V. D., 1935, in Neuberg, M. F., Trudy Geol. Inst. Akad. Nauk, U.S.S.R., v. 5, p. 151;

- leaf, Podozamitaceae; right bank of Byhem River, Tuva Autonomous District, U.S.S.R.; Jurassic. ING
- FERGANODENDRON** Dobruskina, 1974  
*Ferganodendron sauktangensis* (Sixel) Dobruskina, 1974, p. 389, pl. 10, figs. 1-7; lepidophyte; southern Fergana, Madygen; lower and middle Keuper. New name for *Sigillaria sauktangensis* Sixel, 1962, p. 302-304, pl. 4, figs. 1-6.
- FETURA** Benecke, 1976  
*Fetura natalensis* Benecke, 1976, p. 102-104, figs. 25-41; fructifications; Mooi River National Road, Natal, South Africa; Upper Permian.
- FIBULARIX** Pflug, 1965  
*Fibularix funicula* Pflug, 1965, p. 18, pl. 3, figs. 1-3; algae incertae sedis; Clark Fork Quadrangle, Idaho-Montana, U.S.A.; Precambrian. ING
- FILAMENTELLA** Pflug, 1965  
*Filamentella plurima* Pflug, 1965, p. 19, pl. 4, figs. 1, 6-8, 12-15; Cyanophyceae; Clark Fork Quadrangle, Idaho-Montana, U.S.A.; Precambrian. ING
- FILICONSTRICTOSUS** Schopf and Blacic, 1971  
*Filiconstrictosus majusculus* Schopf and Blacic, 1971, p. 947-948; pl. 105, fig. 8, alga; Ellery Gorge, 80 km west of Alice Springs, Northern Territory, Australia; Precambrian.
- FLABELLIA** Shuyskiy, 1973  
*Flabellia basifixa* Shuyskiy, 1973, p. 51-53, pl. 7, figs. 1-4; algae, Pulvinariaceae (?); Vaygach Island, western slope of the central and southern Urals, Serga and Belaya Rivers, U.S.S.R.; Lower Devonian.
- FOSSELLA** Maslov, 1960  
*Fossella cerebriformis* Maslov, 1960, p. 84, pl. 24, figs. 3-6; pl. 26, fig. 2; alga; Siberian platform, U.S.S.R.; Ordovician.
- FOVELITA** Nikitin, 1976  
*Fovelita rubiforme* Nikitin, 1976, p. 192, pl. 74, figs. 8-14; seeds; Mamontova Gora, Siberia, U.S.S.R.; middle Miocene. ING
- FREDERICA** Barta-Calmus, 1965  
*Frederica villiersi* Barta-Calmus, 1965, p. 907, pl. 39, figs. 1-8; Dasycladaceae; near Evreure, Eure, France; Eocene. ING
- FRUTEXITES** Maslov, 1960  
*Frutexites arboriformis* Maslov, 1960, p. 60, pl. 3, figs. 1-3; stromatolite; Siberian platform, U.S.S.R.; Ordovician. ING
- FUELOEPIA** Nagy, 1965  
*Fueloepia fimbriata* Nagy, E., 1965, Acta Bot. Acad. Sci. Hung., v. 11, p. 210; algae; Zengovarkony, Mecsek Mountains, Hungary; middle Miocene. ING
- FUSIOIDEA** Yin and Li, 1978  
*Fusioidea septem* Yin and Li, 1978, p. 97, pl. 8, fig. 1; algae incertae sedis; southwest China; Precambrian.

## G

- GESSELLA** Poulsen, 1974  
*Gessella communis* Poulsen, 1974, p. 29-30, pl. 12, fig. 2; pl. 13, figs. 1-2; pl. 14, figs. 1-3; pl. 15, fig. 4; liverwort, Haplomitriaceae; Slagelse no. 1, western Sealand, Denmark; Permian.
- GIGANTOXYLON** Parfenova, 1965  
*Gigantoxylon tabulatus* Parfenova, 1965, p. 28-30, pls. 9-10; gymnospermous wood; Kuzbass; Upper Permian.
- GINKGOPHYTOPSIS** Høeg, 1967  
*Ginkgophytopsis flabellata* (Lindley and Hutton) Høeg, 1967, p. 375, figs. 270-271; leaves, Paleophyllales; Great Britain; Upper Carboniferous. New name for *Noeggerathia flabellata* Lindley and Hutton. ING
- GINKGOPHYTOPSIS** Burago, 1977  
*\*Ginkgophytopsis flabellata* (Zalessky, 1918) Burago, p. 132; see Zalessky, 1918, for description, figures, locality and age. New name for *Ginkgophyton* Zalessky, 1918. ING
- GINKGOXYLON** Andreansky, 1952  
*\*Ginkgoxylon bihariense* Andreansky, G., 1952, Ann. Biol. Univ. Hung., v. 1, p. 20; wood, Ginkgoaceae; Mikofalva, Hungary; upper Miocene. ING
- GLEICHENIORACHIS** Sharma, 1973  
*Gleicheniorachis jurassica* Sharma, 1973, p. 43, pl. 1, figs. 1-4; rachis, Gleicheniaceae; Amarjola, Rajmahal Hills, Bihar, India; Jurassic. ING
- GLEICHOTHECA** Pant and Srivastava, 1977  
*Gleicotheca jabalpurensis* Pant and Srivastava, 1977, p. 157, pl. 3, fig. 7; sporangia; Bansa, South Rewa Gondwana Basin, Madhya Pradesh, India; Jabalpur Stage, Cretaceous or Upper Jurassic.
- GLENOBOTRYDION** Schopf, 1968  
*Glenobotrydion aenigmatis* Schopf, 1968, p. 681-683, pl. 81, fig. 5; pl. 83, fig. 9; incertae sedis, "alga," Chlorococcales (?); 40 miles east-northeast of Alice Springs, Northern Territory, Australia; upper Precambrian, Bitter Springs Formation.
- GLOBALATOR** Grambast, 1966  
*Globator trochiliscoides* Grambast, 1966, p.

- 1929-1932, 7 figs.; charophyte; Cabo del Termino, Prov. de Tarragone, Spain; Lower Cretaceous.
- GLOBOPHYCUS** Schopf, 1968  
*Globophycus rugosum* Schopf, 1968, p. 683-684, pl. 84, fig. 1; incertae sedis, "alga," Chlorococcales (?); 40 miles east-northeast of Alice Springs, Northern Territory, Australia; upper Precambrian, Bitter Springs Formation.
- GLOEODINIOPSIS** Schopf, 1968  
*Gloeodiniopsis lamellosa* Schopf, 1968, p. 684, pl. 84, fig. 2; incertae sedis, "alga," Chroococaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; upper Precambrian, Bitter Springs Formation.
- GLOTTOLEPIS** Bose and Srivastava, 1970  
*Glottolepis rugosa* Bose and Srivastava, 1970, p. 215-217, pl. 1, figs. 1-9; scale-leaves; Nidpur, Sidhi District, M. P., India; Lower Triassic.
- GOKSUELLA** Güvenc, 1966  
*Goksuella maslovii* Güvenc, 1966, p. 848, pl. 32, fig. 13; Dasycladaceae; valley of Dikenli Dere, Alanya, Turkey; Middle Carboniferous.                   ING
- GONAMOPHYTON** Vologdin and Drosdova, 1964  
*Gonamophyton ovale* Vologdin and Drosdova, 1964, p. 577, pl. 1, figs. 1-6; Cyanophyceae; near Nelkan, Khabarovsk Territory, U.S.S.R.; upper Precambrian.                   ING
- GONDOMARIA** Teixeira, 1964  
*Gondomaria alethifolia* Teixeira, 1964, C. R. v<sup>e</sup> Congr. Strat. and Geol. Carbon., v. 2, p. 821-822, 7 pls.; near Porto, Portugal; Stephanian. Noticed in Boureau, v. 4, p. 372.
- GONDWANOSTACHYS** Meyen, 1967  
*Gondwanostachys australis* Meyen, 1967, p. 143-144, figs. in Townrow, J., 1955, pl. 1, figs. A, D-F; fertile shoots of *Phyllothea australis*, Gondwanostachyaceae; Hawkesbury River, near Port Jackson, New South Wales, Australia; Permian. New name for *Phyllothea australis* Brongniart, 1828, p. 150.
- GONIOLINOPSIS** Milanovic, 1966  
*Gonolinopsis hexagona* Milanovic, 1966, p. 115-121, pls. 1-3; dasycladacean alga; Velebit Mountain, Yugoslavia; Middle to Upper Permian.
- GONDWANOPHYTON** Maithy, 1972  
*Gondwanophyton indicum* Maithy, 1972, p. 298-302, pls. 1, 2, figs. 1-7; fan-shaped entire leaves, Palaeophyllales; Churuliapit, Raniganj coal field, West Bengal, India; Raniganj Stage.
- GOPADIA** Srivastava, 1974  
*Gopadia coriacea* Srivastava, 1974, p. 44-45, pl. 1, figs. 1-5; fossil leaf; Nidpur, Sidhi District, M. P., India; Lower (?) and Middle Triassic.
- GORNOSTACHIA** Shapovalova, 1974  
*Gornostachia longa* Shapovalova, 1974, p. 104-107, pl. 23, figs. 1-5; stromatolite; Sette-Daban Mountains, Yakutskaya, U.S.S.R.; Riphean.
- GRAMBASTIA** Brousmiche, 1978  
*Grambastia goldenbergii* (Andrae) Brousmiche, 1978, p. 164, pls. 1-4; sphenopteridian frond; Sarre-Lorraine coal field, France; Carboniferous. New name for *Sphenopteris goldenbergii* Andrae, 1865, p. 43, pl. 14.
- GRAMBASTIELLA** Massieux and Tambareau, 1978  
*Grambastiella acuta* Massieux and Tambareau, 1978, p. 143-144, pl. 1, figs. 1-6; alga, Characeae; central Pyrenees; Thanetian.
- GRAMINOCARPON** Chitaley and Sheikh, 1971  
*Graminocarpon mohgaonense* Chitaley and Sheikh, 1971, p. 141, figs. 1-7, 9; monocotyledonous albuminous grain; Mohgaon Kalan, India; Deccan Inter-trappean cherts.                   ING
- GRANDIPHYCUS** Nautiyal, 1978  
*Grandiphyucus satpuliensis* Nautiyal, 1978, p. 222-226, figs. 1, 2; fossil alga, Nostacales; Satpuli, Garhwal Himalaya, India; Precambrian.
- GUAREOXYLON** Lemoigne, 1978  
*Guareoxylon cedratoides* Lemoigne, 1978, p. 130-131, pl. 9, figs. 11-13; fossil wood; Welkite region, Ethiopia; Miocene.
- GUIZHOUNEMA** Mu Xinan, 1977  
*Guizhounema endosporicum* Mu Xinan, 1977, p. 153, pl. 1, figs. 1-7; pl. 2, fig. 9 (a); fossil fungi; Anshun of Guizhou, China; Upper Permian.
- GYMNOVULITES** Shukla, 1948  
*Gymnovulites* (no species given) Shukla, 1948, p. 259, pl. 18, fig. 14; seed, Cycadinae; Mohgaon-kalan, Chhindwara District, India; Tertiary.                   ING

H

- HALOSPHAEROPSIS** Mädlar, 1963  
*Halosphaeropsis liassica* Mädlar, 1963, p. 313, pl. 15, figs. 2-9; alga, Chlorophyceae; Ziegeleigrube Osterfeld bei Goslar, Germany; Lias.

**HALYTHRIX** Schopf, 1968

*Halythrix nodosa* Schopf, 1968, p. 678, pl. 77, fig. 7; incertae sedis, "alga," Oscillatoriaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; upper Precambrian, Bitter Springs Formation.

**HAMATOPHYTON** 1974

*Hamatophyton verticillatum*, 1974, p. 38, pl. 19, figs. 3-5; pl. 20, figs. 1-4; Hyeniales; China; Paleozoic. In Paleozoic plants of China: Nanking Inst. Geol. and Palaeont., 1974 (in Chinese).

**HAMULUSELLA** Elliott, 1978

*Hamulusella sedalamensis* Elliott, 1978, p. 687-691, pl. 73; dasycladacean alga; northeastern Iraq and western Iran; Paleocene.

**HARRISOCARPON** Chitaley and Nambudiri, 1973

*Harrisocarpon sahnii* Chitaley and Nambudiri, 1973, p. 36-41, pl. 1; petrified dicotyledonous fruit; Mohgaon-kalan, Chhindwara District, India; Deccan Intertrappean beds, Eocene.

**HASTYSTROBUS** van Konijnenburg-van Ciltert, 1971

\**Hastystrobus muirii* J. H. A. van Konijnenburg-van Ciltert, 1971, Acta Bot. Neerl., v. 20, p. 30; male fructification, Cycales; Hasty Bank, Yorkshire, England; Jurassic, lower Deltaic. ING

**HELICONEMA** Schopf, 1968

*Heliconema australiensis* Schopf, 1968, p. 671-672, pl. 81, figs. 2, 3; "alga," Oscillatoriaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; upper Precambrian, Bitter Springs Formation. Species name corrected to *H. australiense* in Schopf and Blacic, 1971, p. 956.

**HELIOPORELLA** Sokač and Nikler, 1973

*Helioporella cylindrica* Sokač and Nikler, 1973, p. 9-11, pl. 1, figs. 1-8, calcareous algae, Dasycladaceae; Yugoslavia; Barrémian and Aptian. ING

**HELMINTHOSORITES** Chitaley and Sheikh, 1971

*Helminthosorites mohgaonense* Chitaley and Sheikh, 1971, p. 141, fig. 8; fungi; Mohgaon-kalan, India; Deccan Intertrappean cherts. ING

**HERBULA** Stepanov, 1967

*Herbula marina* Stepanov, 1967. Noticed in Stepanov, S. A., 1975, p. 75, pl. 29, fig. 11; Primofilices, incertae sedis; Devonian.

**HIDASIA** Nagy, 1965

\**Hidasia duigana* E. Nagy, 1965, Acta Bot. Acad. Sci. Hungary, v. 11, p. 212;

algae; Hidas, Mecsek Mountains, Hungary; middle Miocene. ING

**HOLOPTELEOXYLON** Awasthi, 1975

*Holopteleoxylon indicum* Awasthi, 1975, p. 23-24, pl. 2, figs. 9, 11-13; fossil wood; Murattandichavidi near Pondicherry, India; Cuddalore series, Miocene and Pliocene.

**HOMALIOXYLON** Prakash and Tripathi, 1972

*Homalioxylon assamicum* Prakash and Tripathi, 1972, p. 305-307, pl. 1, figs. 1, 3, 5, 6; wood, Flacourtiaceae; Rath Tila, near the town of Hailakandi, Cachar District, Assam, India; upper Miocene.

**HONANELLA** Vologdin, 1958

*Honanella densa* Vologdin, 1958, p. 27-28, pl. 5, figs. 1-2; alga; Honan; Cambrian.

**HONSELERIA** Mustafa, 1978

*Honselerialia verticillata* Mustafa, 1973, p. 39-40, pl. 5, figs. 3-4; xylem-cylinder; Sauerland, Germany; Givetian.

**HYDROCORYNITES** Maslov, 1960

*Hydrocorynites stylostromicus* Maslov, 1960, p. 63, text fig. 7; alga; Siberian platform, U.S.S.R.; Ordovician. ING

**HYSTERIOPSIS** Geyley, 1887

\**Hysteriopsis subopegraphoides* H. T. Geyley, 1887, Vega-Exped. Vetensk. Iakttagelser, v. 4, p. 487; fungi; Labuan, Borneo, Indonesia; Tertiary. ING

## I

**IEVLEVIA** Samylyna, 1976

*Ievlevia dorofeevii* Samylyna, 1976, p. 93, pl. 48, figs. 11b, 12, 13b; seeds, Vitaceae; Omsukchan, Magadan District, U.S.S.R.; Cretaceous.

**IKELLA** Shuyskiy, 1970

\**Ikella vermicularis* Shuyskiy, 1970, Akad. Nauk U.S.S.R., Uralskiy Nauchnyy Tsentr. Inst. Geol. i Geophy. im. A. N. Zarbitskogo; Serga River, U.S.S.R.; Lower Devonian.

**ILEMORPHYTON** Stepanov, 1972

\**Ilemorphyton asiaticum* S. A. Stepanov, 1972, Noye Vidy Drevnih Rast. Bespozvonocnyh, U.S.S.R., p. 299; Psilopsida; southern Minusinsk Basin, Altai-Sayansky District, U.S.S.R.; Devonian, Givetian. ING

**IMPERIELLA** Elliott, 1975

*Imperiella iranica* Elliott, 1975, p. 452-454, pl. 1, figs. 1-3; green algae, Dasycladaceae; Emerat, Alborz, Iran; Upper Permian.

**INDOCARPUS** Surange and Chandra, 1972

*Indocarpus elongatus* Surange and Chandra, 1972, p. 2-3, pl. 2, fig. 5; pl. 4, fig.

14; one-winged seeds, Glossopteridae; Handappa, Orissa, India; Upper Permian.

**INZERIA** Bertrand-Sarfati and Caby, 1976  
*Inzeria groenlandica* Bertrand-Sarfati and Caby, 1976, p. 27, figs. 7b, d, 16, 17, 18; stromatolite; Eleonore Bay, Greenland; Precambrian.

**IRTYSHENIA** Dorofeev, 1972

*Irtyszenia tenuicostata* (Dorofeev) Dorofeev, 1972, p. 1049-50, pl. 1, figs. 1-3; pl. 2, fig. 1; seed, Nymphaeaceae; Lezanki, Irtyse, Omskaya District, U.S.S.R.; upper Miocene. New name for *Euryale tenuicostata* Dorofeev, 1959, v. 2, p. 30, pl. 9, figs. 32, 33.

**ISCHNOPHYTON** Delevoryas and Hope, 1976

*Ischnophyton iconicum* Delevoryas and Hope, 1976, p. 95-99, pl. 1; pl. 2, figs. 1-5; cycadeoidalean stem with leaves, Williamsoniaceae; Deep River basin, central North Carolina, U.S.A.; Pekin Formation, Upper Triassic.

**IZHELLA** Antropov, 1955

\**Izhella nubiformis* I. A. Antropov, 1955, Ucen. Zap. Kazansk. Gosud. Univ. Ul'janova-Lenin, v. 115, no. 8, p. 47; Cyanophyceae; Udmurt, U.S.S.R.; Upper Devonian. ING

**JACUTIELLA** Korde, 1964

\**Jacutiella aciculata* (Korde) Korde, 1964, p. 162, figured in Korde, 1957, p. 68, fig. 1; siphonal alga.

**JAMBADOSTROBUS** Chandra and Surange, 1977

*Jambadostrobos pretiosus* Chandra and Surange, 1977, p. 128-137, pl. 1, figs. 1-4; pl. 2, figs. 7-12; pl. 3, fig. 16; pl. 5, fig. 24; female reproductive organ; Selected Jambad colliery, Raniganj coal field, West Bengal, India; Raniganj Stage, Permian.

**JANSAELLA** Mamet and Roux, 1975

*Jansaella ridingii* Mamet and Roux, 1975, p. 1481, pl. 1, figs. 1-6; incertae alga; Mount Simla, Alberta, Canada; Upper Devonian. ING

**JATULIANA** Korde, 1965

*Jatuliana furcata* Korde, 1965, p. 431, pl. 1, fig. 4; Cyanophyceae-Rivulariaceae; Karelia, U.S.S.R.; Precambrian. ING

**JOHNSONIA** Korde, 1965

*Johnsonia spinosa* Korde, 1965, p. 275, pl. 54, figs. 3, 4, 7; Chlorophyceae-Dasycladaceae; Nakhichevanskaya, U.S.S.R.; Upper Permian. ING

**JULIPHYTON** Stepanov, 1975

*Juliphyton glazkina* Stepanov, 1975, p. 78, pl. 1, figs. 3-8; pl. 2, figs. 3, 6; incertae

sedis; outskirts of Kuznetsk Basin, U.S.S.R.; Devonian.

**JURELLA** Kyansep-Romashinka, 1974

*Jurella abshirica* Kyansep-Romashinka, 1974, p. 28-29, pl. 2, figs. 6a, b; charophytic algae, Raskyellaceae; right bank of Abshir-Say River, southeastern Fergana, U.S.S.R.; Middle Jurassic.

K

**KAMAENELLA** Mamet and Roux, 1974

*Kamaenella denbighi* Mamet and Roux, 1974, p. 138, pl. 7, fig. 14; alga, Palaeobereselleae; Chollerford, Northumberland, England; Carboniferous.

**KAPLUNELLA** Senkovic, 1972

\**Kaplunella lissa* M. A. Senkovic, 1972, Novye Vidy Drevnih Rast. Bespoz. U.S.S.R., p. 300; Psilopsida; Kazakhstan, U.S.S.R.; Devonian, Eifelian. ING

**KARAGANDELLA** Juriana, 1965

*Karagandella kabanovii* Juriana, 1965, p. 119-122, pl. 10, figs. 1-5; fossil fern, Protopteridiales(?); Kazakhstan, U.S.S.R.; Middle Devonian. ING

**KARATOPHYLLUM** Gomez, 1972

\**Karatophyllum bromelioides* L. D. Gomez, 1972, Revista Biol. Trop., v. 20, p. 223; Bromeliaceae; San Ramon province of Alguela, Costa Rica; middle Tertiary. ING

**KARELIANA** Korde, 1965

*Kareliana zonata* Korde, 1965, p. 430, pl. 1, figs. 1, 2; Cyanophyta; Karelia, U.S.S.R.; Precambrian. ING

**KARIBACARPON** Lacey, 1976

*Karibacarpion problematicum* Lacey, 1976, p. 8, pl. 1, figs. 1-6; pl. 2, fig. 5; cupulate fructification; Sinamwenda, Lake Kariba, Rhodesia; Molteno.

**KARPATIA** Maslov, 1962

*Karpathia sphaerocellulosa* Maslov, 1962, p. 122, pl. 23, fig. 2; Rhodophyceae-Peyssonneliaceae; Sambor River, Carpathian Mountains, U.S.S.R.; Paleocene. ING

**KASAIA** Bertrand-Sarfati, 1972

*Kasaia convexa* Bertrand-Sarfati, 1972, p. 129-131, pl. 16, fig. 4; stromatolite; Kanshi, Bushimay, Zaire; Precambrian.

**KATAVELLA** Tchuvashov, 1965

*Katavella orlovkaensis* Tchuvashov, 1965, p. 83, pl. 24, figs. 1-3; Rhodophyceae-Solenoporaceae; Katav River, southern Ural Mountains, U.S.S.R.; Upper Devonian. ING

**KEMEROWSKIA** Chachlov, 1939

\**Kemerowskia originalis* Chachlov, 1939, Trudy Tomsk. Gosud. Univ. Kiybys. Ser.

- Geol., v. 96, p. 13; stem, incertae sedis; Staraja Balahonka, Kemerovo District, Kuznetsk Basin, U.S.S.R.; Carboniferous and Permian. ING
- KEMIA** Ananiev, 1948  
*Kemia rostrata* Ananiev, A. R., 1948, Trudy Tomsk. Gosud Univ. Kujbys. Ser. Geol., v. 99, p. 35; fruits, Alismataceae; Kem River, tributary of Yenisey River, U.S.S.R.; Upper Cretaceous. ING
- KENDOSTROBUS** Surange and Chandra, 1972  
*Kendostrobos cylindricus* Surange and Chandra, 1972, p. 255-256, pl. 1, figs. 1, 2; cone, male fructification, probably Glossopteridales; Raniganj coal field, Bengal, India; Upper Permian.
- KIRJAMKENIA** Prinada, 1970  
*Kirjamkenia lobata* Prinada, 1970, Iskap. Fl. Korvanc. Svity, p. 59; leaf, Pteridospermae; left bank of Lower Tunguska River, Siberia, U.S.S.R.; Lower Triassic. ING
- KLIMETIA** Makarikhin, 1978  
*Klimetia marginata* Makarikhin, 1978, p. 81-82, pl. 1, figs. 3, 5, 6; stromatolite; Karelia, U.S.S.R.; Yatulian.
- KOCHANSKYELLA** Milanović, 1974  
*Kochanskyella tulipa* Milanović, 1974, p. 127-132, 5 pls.; algae, Dasycladaceae; northeastern slopes of Mount Velebit, near the villages of Brizik, Okic, Medak, and Meduvode, Croatia, Yugoslavia; Middle to Upper Permian.
- KONINCKOPOROIDES** Rich, 1974  
*Koninckoporoides monteaglensis* Rich, 1974, p. 367, pl. 2, figs. 10, 12, 13, 18; pl. 5, figs. 1, 2; algae, Chlorophyceae-Dasycladaceae; Grundy County, Tennessee, U.S.A.; Upper Mississippian. ING
- KOOMPASSIOXYLON** Kramer, 1974  
*Koompassioxylon elegans* Kramer, 1974, p. 117-124, pl. 27, figs. 94, 95, 97-101; pl. 28, fig. 105; fossil wood, Leguminosae; British Borneo; Tertiary.
- KORDEPHYTON** Radugin and Stepanova, 1964  
*Kordephyton crinitum* (Korde) Radugin, K. V., and Stepanova, M. V., 1964, Mater. Geol. Polezn. Iskop Zapadn. Sibiri, p. 64; thallus, Rhodophyta-Cambrinaceae; Elanskoe on the Lena River, Yakutia, U.S.S.R.; Middle Cambrian. ING
- KORILOPHYTON** Voronova, 1976  
*Korilophyton inopinatum* Voronova, 1976, p. 83-84, pl. 17, figs. 4-6; algae incertae sedis; Siberian platform, U.S.S.R.; Cambrian.
- KORVUNTSCHIANA** Prynada, 1970  
*Korvuntschiana dentata* Prynada, 1970, Flore fossile de la srie de Korvuntschansk, p. 49-51, pl. 3, fig. 1; pinnules, Pecopterideae; Tungouska [Tunguska?] Basin, Siberia; Lower Triassic. Noticed in Boureau and Doubinger, 1975, p. 258.
- KOTUIKANIA** Komar, 1964  
*Kotuikania torulosa* Komar, 1964, noted in Walter, Krylov, and Preiss, 1979, p. 294; north Siberian platform, U.S.S.R.; Riphean.
- KRASSAVINELLA** Feist-Castel, 1977  
*Krassavinella lagenalis* (Straub) Feist-Castel, 1977, p. 771-775, 1 pl.; charophyte; between Ehingen and Ulm on the Donau River, Germany; Oligocene. New name for *Chara lagenalis* Straub, 1952.
- KUGARTENIA** Sixel, 1953  
*Kugartenia irregularis* Sixel, 1953, sterile fronds; Ferghana, U.S.S.R.; Lower Jurassic. Noticed in Boureau and Doubinger, 1975, p. 259, fig. 207.
- KUSJAELLA** Chuvashov, 1973  
*Kusjaella fruticosa* Chuvashov, 1973, p. 37-38, pl. 4, figs. 1-5; pl. 5, figs. 5, 10; algae, Scydiaceae; Koyva River near settlement of Kus'e-Aleksandrovsk, western slope of the central Urals, U.S.S.R.
- KUSSOIDEA** Semikhatov, 1978  
*Kussoidella limata* Semikhatov, 1978, p. 138-140, pl. 22, figs. 1-4; stromatolite; Canadian Shield; Aphebian.
- KUZBASSOXYLON** Parfenova, 1963  
*Kuzbassoxylon* Parfenova, M. D., 1963, Izv. Tomsk. Politehn. Inst., v. 121, p. 90; incertae sedis. ING

## L

- LAGENUMBELLA** Mamet, 1970  
*Lagenumbella lageniformis* (Reitlinger) Mamet, 1970, v. 7, no. 4, p. 1169, pl. 1, figs. 10-12; Charophyceae-Umbellaceae; Armenia, U.S.S.R.; Upper Devonian and Lower Carboniferous. New name for *Umbella lageniformis* Reitlinger, 1966, p. 218, pl. 1, figs. 6-11.
- LARICIOXYLON** Greguss, 1969  
*Laricioxylon nógrádense* Greguss, 1969, p. 97, pl. 85, figs. 1-6; wood, Pinaceae; Nógradezakal, Hungary; Sarmatian.
- LATISPHAERA** Licari, 1978  
*Latisphaera wrightii* Licari, 1978, p. 784-785, pl. 2, figs. 8-9; alga, Chlorococcales; eastern California, U.S.A.; upper pre-Phanerozoic.
- LEIOPLANKTONA** Kar and Saxena, 1974  
*Leioplanktona madhensis* Kar and Saxena,



- 1974, p. 3-4, pl. 1, figs. 1-4; alga, microplankton; Kutch, India; Paleocene.
- LEMNOSPERMUM** Nikitin, 1976  
*Lemnosperrum pistiforme* Nikitin, 1976, p. 174-175, pl. 66, figs. 1-3; fossil seed; Mamontova Gora, U.S.S.R.; Miocene.
- LEPEOPHYLLUM** Zaleski, 1933  
*Lepeophyllum gemmatum* (Geinitz) Zaleski, 1933, p. 1249, fig. 8; leaves, Cordaitales; Kuznetsk Basin, western Siberia, U.S.S.R.; Permian. ING
- LEPIDOLITES** Ulrich, 1879  
*Lepidolites dickhauti* Ulrich, 1879, p. 21-22, pl. 7, fig. 17; cyclocrinitid alga; Covington, Kentucky, U.S.A.; Upper Ordovician.
- LEPTOSPERMATOXYLON** Trivedi and Verma, 1973  
*Leptospermatoxylon indicum* Trivedi and Verma, 1973, p. 151-156, pl. 1, figs. 1-6; petrified fossil axis, Myrtaceae; Mohgaon-kalan, east of Chhindwara, M. P., India; Tertiary.
- LIBYARIA** Lejal-Nicol, 1975  
*Libyaria devontense* Lejal-Nicol, 1975, p. 87-88, pl. 9, figs. 42-46; impressions of axes, Lepidosigillariaceae; Mourzouk Basin, Libya; Lower Devonian.
- LIDASIMOPHYTON** Senkevitch, 1961  
*Lidasimophyton akkermensis* Senkevitch, 1961, p. 156, pl. 25, figs. 2-5; pl. 26, figs. 1-5; stems, Lycopsidea; Lake Balkhash area, U.S.S.R.; Middle Devonian.
- LIKANELLA** Milanović, 1966  
*Likanella spinosa* Milanović, 1966, p. 9-13, pl. 1-4; dasycladacean alga; Velebit Mountains, Yugoslavia; Permian.
- LINYIECHARA** Xinlun, 1978  
*Linyiechara clara* Xinlun, 1978, p. 23-24, pl. 4, figs. 2-6; charophyte; Bohai, China; Oligocene. (See in Bibliography: China Ministry of Petroleum and Chemistry Industry.)
- LITHOCHRYSITES** Maslov, 1964  
*Lithochrysites calcarea* Maslov and Rengarten, 1964, p. 579-581, pl. 2; algae, Chrysophyta(?); Kiev, U.S.S.R.
- LITIA** Shapovalova, 1974  
*Litia difformia* Shapovalova, 1974, p. 86-89, pl. 10, figs. 1-5; pl. 11, figs. 1-4; stromatolite; central Sette-Daban Mountains, Yakutsk, U.S.S.R.; middle Riphean.
- LITSEAPHYLLUM** Wolfe, 1977  
*Litseaphyllum carbonensis* Wolfe, 1977, p. 68, pl. 28, figs. 6, 9; fossil leaf; Gulf of Alaska; Paleogene.
- LIUPINGIA** Yin and Li, 1978  
*Liupingia fungiformis* Yin and Li, 1978, p. 96, pl. 8, fig. 4; algae incertae sedis; southwest China; Precambrian.
- LONCHOPTERIDIUM** Gothan, 1910  
*\*Lonchopteridium alethopteroides* Gothan, 1910, in Potoni, Abb. u. Besch. foss. Pflanz., v. 7, no. 133, p. 1-2, fig. 1; bipinnate frond, Alethopterideae; Europe; Westphalian B-C-D.
- LOPINOPTERIS** Sze, 1958  
*\*Lopinopteris intercalata* Sze, 1958, Acta Palaeontol. Sinica, v. 6, no. 4, p. 383-384, pl. 2, figs. 1-4; pl. 3, figs. 4-6; Alethopterideae; northeast Kiangsi, China; Westphalian. Noticed in Boureau and Doubinger, 1975, p. 375.
- LOWVILLIA** Guilbault and Mamet, 1976  
*Lowvillia grandis* Guilbault and Mamet, 1976, p. 647-650, pl. 6, fig. 1; alga; Ouareau River, Canada; Ordovician.
- LOXSOMOPTERIS** Skog, 1976  
*Loxsomopteris anasilla* Skog, 1976, p. 8-14, figs. 2-5; fossil fern rhizome; Paint Branch, College Park, Maryland, U.S.A.; Lower Cretaceous.
- LUCERNELLA** Grambast and Lorch, 1968  
*Lucernella ampullacea* Grambast and Lorch, 1968, p. 48-49, pl. 1, fig. 1a-d; charophyte, Clavatoraceae; Toumatt-Jessine, southern Lebanon; Cretaceous.
- LUMINITZEROXYLON** Kramer, 1974  
*Luminitzeroxylon palaeococcineum* Kramer, 1974, p. 16-24, figs. 30a-c, 31; pl. 3, figs. 205, 206, 208-210, 213-215; wood, Combretaceae; Southeast Asia; Tertiary.
- LYGINOPITYS** Galtier, 1970  
*Lyginopitys puechcapelensis* Galtier, 1970, p. 149-155, figs. 58, 59; pteridospermales incertae sedis; St. Nazaire de Laderez, France; lower Viséan.
- LYNGBYITES** Makhaev, 1937  
*\*Lyngbyites elegans* Makhaev, V. N., 1937, Comp. Rend. (Dokl.) Akad. Sci. U.S.S.R., v. 15, p. 484; Cyanophyceae; Ishimbay, Bashkir, U.S.S.R.; Upper Carboniferous. ING

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- MACHAERITES** Andreansky, 1954  
*\*Machaerites* Andreansky, G., 1954, Oesnovenytan XV; fruit, Leguminosae; Obuda, Hungary; lower Oligocene. ING
- MACRONUBECULARITES** Maslov, 1960  
*Macronubecularites subradiatus granulosus* Maslov, 1960, p. 87, pl. 30, fig. 1; alga; Siberian platform, U.S.S.R.; Ordovician.
- MACULOSPHERA** Licari, 1978  
*Maculosphaera kingstonensis* Licari, 1978,

- p. 783-784, pl. 11, fig. 8; alga, Chlorococcales; eastern California, U.S.A.; upper pre-Phanerozoic.
- MADHUOCOXYLON** Prakash and Tripathi, 1975
- Madhucoxylon cacharensense* Prakash and Tripathi, 1975, p. 142-144, pl. 2, figs. 7, 9; fossil wood; Sultanicherra, Assam, India; Tertiary.
- MAGNOLIACEOXYLON** Wheeler, Scott, and Barghoorn, 1977
- Magnoliaceoxylon wetmorei* Wheeler, Scott, and Barghoorn, 1977, p. 291-294, figs. 18-20; fossil wood; Gallatin Fossil Forest, Yellowstone National Park, Montana, U.S.A.; Eocene.
- MAJSASSIA** Suchov, 1964
- Majsassia elliptica* Suchov, 1964, p. 176, pl. 31, figs. 1-3; gymnospermous seed; central Siberia, U.S.S.R.; Permian. Noticed in Sukhov, 1969.
- MANGIFEROXYLON** Awasthi, 1966
- Mangiferoxylon scleroticum* Awasthi, 1966, p. 131-135, pls. 1-2, figs. 1-11; fossil wood, Anacardiaceae; 8-10 km west-northwest of Pondicherry, South Arcot District, Madras, India; Tertiary.
- MAMETELLA** Brenckle, 1977
- Mametella chaotauquae* Brenckle, 1977, p. 250-255, 1 pl.; alga; Chautauqua, Jersey County, Illinois, U.S.A.; Mississippian, Fern Glen Formation.
- MAMMEOXYLON** Lemoigne, 1978
- Mammeoxylon lanneoides* Lemoigne, 1978, p. 119-120, pl. 6, figs. 4-7; fossil wood; Welkite region, Ethiopia; Miocene.
- MANICA** Watson, 1974
- Manica (Frenelopsis) parceramosa* (Fontaine) Watson, 1974, p. 428; cupressaceous shoots (conifer).
- MANICOSIPHONIA** Cao and Zhao, 1978
- Manicosiphonia bambusa* Cao and Zhao, 1978, p. 32-33, pl. 1, figs. 1, 7; pl. 3, fig. 4; fossil alga; southwest China; Sinian.
- MANILKAROXYLON** Hofmann, 1948
- Manilkaroxylon diluviale* Hofmann, 1948, Palaeobiologica, v. 8, p. 280, not illus.; wood, Sapotaceae; Sta. Paula, Equador; Quaternary. ING
- MANILKAROXYLON** Grambast-Fessard, 1968
- Manilkaroxylon crystallophora* Grambast-Fessard, 1968, p. 58-65, pls. 1 and 3; wood, Sapotaceae; Rayan near Castellane, Basses-Alpes, France; upper Miocene. ING
- MARANHITES** Brito, 1965
- Maranhites brasiliensis* Brito, I. M., 1965, Univ. Bahia, Esc. Geol. Publ. Avulsa, v. 2, p. 1; algae incertae sedis; Maranhão, Brazil; Devonian. ING
- MARHAJELLA** Tolstych, 1968
- Marchajella kaschireiwii* Tolstych, A. N., 1968, Novye Vidy Drevnch. Rast. Bespozv. U.S.S.R., v. 2, no. 1, p. 78; leaf, Cordaitales; Olenek, Mazha River basin, U.S.S.R.; Lower Triassic. ING
- MARGINOPTERIS** Gothan, 1941
- Marginopteris bipartita* Gothan, 1941, Abh. Reichst. f. Bodenforsch. n. f. 196, p. 1-54; Filicophyta, incertae sedis; Germany; Westphalian A.
- MARGINOPTERIS** Salmenova, 1978
- Marginopteris kasachstaica* Salmenova, 1978, p. 539, pl. 12, illus. 1-3; tripinnate frond; northern cis-Balkhash region, U.S.S.R.; Lower Permian.
- MARINELLA** Pfender, 1939
- Marinella lugeoni* Pfender, 1939, p. 215, pl. 2, figs. 1-2; red algae; Spain; Upper Jurassic and lowermost Cretaceous; Lias.
- MARWARIA** Sukh-Dev and Bose, 1972
- Marwaria latifolia* (Feistmantel) Sukh-Dev and Bose, 1972, p. 65-66, pl. 3, figs. 19-24, new name for *Araucarites (Araucaria) latifolius* Feistmantel, 1882, p. 45, pl. 2, fig. 6; coniferous leafy twigs; Bansa, South Rewa Basin, Madha Pradesh, India; Lower Cretaceous.
- MASLOVIPORELLA** Kulik, 1973
- Masloviporella calixoidea* Kulik, 1973, p. 40, pl. 3, figs. 1-4; Dasycladaceae; Carboniferous.
- MATANOMADHIA** Kar and Saxena, 1974
- Matanomadhia indica* Kar and Saxena, 1974, p. 5, pl. 1, figs. 11a-11b; alga, microplankton; Kutch, India; Matanomadh Formation, Paleocene.
- MATONIOPTERIS** Snigirevskaya, 1977
- Matoniopteris sibirica* Snigirevskaya, 1977, Bot. Zhurn., v. 62, no. 6, p. 858-862, pl. 1, figs. 1-8; pl. 2, figs. 1-8; rhizome, Matoniaceae; eastern Siberia, U.S.S.R.; Jurassic.
- MATTEUCCIA** Fotjanova, 1967
- Matteuccia septemtrionalis* Fotjanova, 1967, p. 118, fig. 1, illus. 1, 3; fig. 2, illus. 1; Aspidiaceae; Mamontova Gora, U.S.S.R. Noticed in Ijinskaja, I. A., Pnevva, G. P., and Schvareva, N. Ya., 1972, pt. 2, The Mamontove Gora flora through leaf impressions. Akad. Nauk U.S.S.R. Sibirskoe otdelenie. Inst. geol. i geof. Trudy. vyp. 233, p. 90.
- MEGALOPTERIS** Andrews, 1875
- Megalopteris dawsoni* (Hartt) Andrews, E. B., 1875, p. 415, new name for

- Neuropteris dawsoni* Hartt; fern or pteridosperm foliage, Megalopteridaceae; Rushville, Ohio, U.S.A.; Pennsylvanian. ING
- MELANORRHŒOXYLON** Prakash and Tripathi, 1974
- Melanorrhœoxylon cacharens* Prakash and Tripathi, 1974, p. 82-85, pl. 2, figs. 1-5; fossil wood, Sultanicherra, near Hailakandi, District Cachar, Assam, India; Tertiary.
- MELIACEOXYLON** Greguss, 1969
- Meliaceoxylon matrense* Greguss, 1969, p. 89-90, pl. 85, figs. 1-9; wood, Meliaceae; Matranovak, Hungary; Miocene. ING
- MELIOLINITES** Selkirk, 1975
- Meliolinites spinksi* (Dilcher) Selkirk, 1975, p. 70-71, pl. 7, figs. 1-6; fossil fungal colonies; western Tennessee, U.S.A.; Eocene. New name for *Meliola spinksi* Dilcher, 1965, p. 8, pl. 2, figs. 9-11.
- MERIANOPTERIS** Heer, 1876
- Merianopteris angusta* Heer, 1876, p. 88, pl. 24, figs. 7-12; pl. 37, figs. 7, 8; fronds and pinnules, Pecopterideae; Jura, Switzerland; Keuper. ING
- METASEQUOIOXYLON** Greguss, 1967
- Metasequoioxylon hungaricum* Greguss, 1967, p. 69, pl. 55, figs. 3-4, 8-12; wood, Taxodiaceae; Karancskeziz, Hungary; Helvetian.
- MEXIGLOSSA** Delevoryas and Person, 1975
- Mexiglossa varia* Delevoryas and Person, 1975, p. 18-19, pls. 1, 2, figs. 1-6; glossopterid leaves, exact affinities unknown; Oaxaco, Mexico; Jurassic.
- MICROCALAMOIDES** Bonet, 1956
- Microcalamoides diversus* Bonet, 1956, p. 47-49, pls. 28-30; calcitic remains of cylindrical shape, incertae sedis; Cañon de Lajitas, Mexico; lower Barremian to Albanian.
- MICROZAMIA** Reuss, 1846
- Microzamia* sp. unk. Reuss, A. E., 1846, Verstein. Boehm. Kreideformat, v. 2, p. unk.; cone, Cycadophyta; Bohemia, Czechoslovakia; Cretaceous. ING
- MILLARIA** Pflug, 1966
- Millaria implexa* Pflug, 1966, p. 66-67, pl. 28, figs. 6-18, 20-44, 48-63; pl. 29, figs. 1-28; Cyanophyta(?); Clark Fork Quadrangle, Idaho-Montana, U.S.A.; Precambrian.
- MILLETIAPHYLLUM** Louvet and Mouton, 1970
- Milletiaphyllum obtusum* Louvet and Mouton, 1970, p. 90-91, pl. 4, fig. 2, fossil leaf; Coquin, Libya; Oligocene.
- MILLETIOXYLON** Awasthi, 1967
- Millettioxylon indicum* Awasthi, 1967, p. 180, figs. 1-3; fossil wood, Leguminosae; about 8-10 km south of Pondicherry, India; Tertiary.
- MILLETIOXYLON** Lemoigne, 1978
- Millettioxylon embergeri* Lemoigne, 1978, p. 108-109, pl. 2, figs. 12, 13; fossil wood, Papilionaceae; Welkite, Ethiopia; Tertiary.
- MINJARIA** Korolyuk, 1960
- Minjaria calceolata* Korolyuk, 1960, stromatolite; eastern Siberia, U.S.S.R.; upper Riphean.
- MISTASSINIA** Hofmann, 1978
- Mistassinia wabassinon* Hofmann, 1978, p. 573-579, figs. 2-10; stromatolite; northwest shore of Lake Mistassini, Quebec, Canada; lower part of Alanel Formation, Mistassini Group, Precambrian.
- MNEME** Eyde, 1972
- Mneme menzelii* (Reid) Eyde, 1972, p. 114, seeds of unknown affinity; Senftenberg, Austria; Miocene. New name for *Dichiodocarya menzelii* Reid, 1927.
- MOHRIOPSIS** Appert, 1973
- Mohriopsis plastica* Appert, 1973, p. 15, pls. 9-14; Schizaeaceae; Ambatoinity, Bereich, Madagascar; Upper Jurassic.
- MONGOLICHARA** Kyanssep-Romashkina, 1975
- Mongolichara deplanata* Kyanssep-Romashkina, 1975, p. 200-201, pl. 5, fig. 2; alga, charophyta; Mongolia; Upper Jurassic or Cretaceous.
- MONGOLICHARA** Kyanssep-Romashkina, 1975
- Mongolichara gobica* (Karczewska and Ziembinska-Tworzydło) Karczewska and Kyanssep-Romashkina, 1979, p. 423-424, emending the type species of Kyanssep-Romashkina, 1975.
- MONTANELLA** Pflug, 1965
- Montanella beltensis* Pflug, 1965, p. 16, figs. 1-3; algae incertae sedis; Clark Fork Quadrangle, Idaho-Montana, U.S.A.; Precambrian. ING
- MONTENEGRELLA** Sokač and Nikler, 1973
- Montenegrella tuberifera* Sokač and Nikler, 1973, p. 11-13, pl. 2, figs. 1-5; algae, Dasycladaceae; near Nikšić Crna Gora, Yugoslavia; Lower Cretaceous. ING
- MOOIA** Lacey, van Dijk, and Gordon-Gray, 1975
- Mooia lidgettonioides* Lacey, van Dijk, and Gordon-Gray, 1975, p. 389-392, figs. on p. 391; a cupulate fructification, incertae sedis; Mooi River district, Natal, South Africa; Upper Permian.

- MOSELLOPHYTON** Schaarschmidt, 1974  
*Mosellophyton hefteri* Schaarschmidt, 1974, p. 192-200, pl. 28, figs. 1a-2; bulbous stems and branches, ?psilophyte; Grosser Steinbruch in Alkenner Bachtal bei Alken and Mosel, western Germany.
- MOSTOTCHKIA** Chachlov, 1939  
 \**Mostotchkia longifolia* Chachlov, V. A., 1939, Trudy Tomsk. Gosud. Univ. Kiybyseva, Ser. Geol., v. 96, p. 12; leaf, incertae sedis; Staraja Balahonka, Kemerovo District, Kuznetsk Basin, U.S.S.R.; Carboniferous and Permian. ING
- MULTISIPHONIA** Tsao and Liang, 1974  
*Multisiphonia nanshanensis* Tsao and Liang, 1974, p. 9-10, pl. 2, fig. 4; alga, Corallinaceae; China; Sinian.
- MUSATEA** Galtier, 1968  
*Musatea globata* Galtier, 1968, p. 1004-1007, pl. 1, figs. 1-15; pl. 2, figs. 19-28; coenopterid fern, fructification; Roannais and near Autun, France; Lower Carboniferous.
- MYELONTORDOXYLON** Mussa, 1978  
*Myelontorodoxylon vittii* Mussa, 1978, p. 170-173, pls. 4-5, figs. 18-31; Pedreira Maluf, near Piricicaba, São Paulo, Brazil; Permian, Irati Formation.
- MYXOCOCCOIDEDES** Schopf, 1968  
*Myxococcoides minor* Schopf, 1968, p. 676, pl. 81, fig. 1; pl. 83, fig. 10; "alga," Chroococcaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.

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- NANAMANICOSIPHONIA** Cao and Zhao, 1978  
*Nanamanicosiphonia minuta* Cao and Zhao, 1978, p. 35, pl. 1, fig. 4; fossil alga; southwest China; Sinian.
- NATALIANA** Baxter, 1978  
*Nataliana sinuata* Baxter, 1978, p. 79-84, 3 pls.; lycophyta incertae sedis; Lost Creek Mine, Oskaloosa, Iowa, U.S.A.; Middle Pennsylvanian, Des Moinesian Series.
- NAUCLEAPHYLLUM** Louvet and Mouton, 1970  
*Nauclaphyllum ovale* Louvet and Mouton, 1970, p. 82-85, pl. 2; fossil leaf; Libya; Oligocene.
- NELCANELLA** Vologdin and Drozdova, 1964  
*Nelcanella stellata* Vologdin and Drozdova, 1964, p. 114-115, pl. 1, figs. 3A, 5;

- algae; Ayany-Maysky region of the Russian Far East; Uchur series, Proterozoic.
- NEOANNULARIA** Wang Xifu, 1977  
*Neoannularia shanxiensis* Wang Xifu, 1977, p. 185-187, pl. 1, figs. 1-9; whorled leaf-bearing stems; Sichuan-Shanxi area, China; Upper Triassic.
- NEOCHARA** Wang Zhen, 1978  
*Neochara huananensis* Wang Zhen, 1978, p. 112-113, pl. 5, figs. 21-24, 40-45; charophyte; Yangtze-Han River basin, China; Paleogene.
- NEOMACROPORELLA** Crescenti, 1964  
*Neomacroporella cretacia* Crescenti, 1964, p. 8, pl. 1, figs. 5, 6; pl. 2, figs. 1, 2, 4; calcareous algae, Dasycladaceae; Italy; Cretaceous.
- NEOMARIOPTERIS** Maithy, 1972  
*Neomariopteris polymorpha* (Feistmantel) Maithy, 1972, p. 70-75, pl. 1, figs. 1-4; new name for *Sphenopteris polymorpha* Feistmantel, 1876, p. 365, pl. 16, figs. 5-7; pl. 17, figs. 1-3; fern fronds; Raniganj coal field, Bengal, India; Permian.
- NEOMIZZIA** Lévy, 1966  
*Neomizzia elongata* Lévy, 1966, p. 37, pl. 1, figs. 1, 2; articulated dasyclad; Rharrb-Prerif, Morocco; Lower Jurassic. ING
- NEOSTACHYA** Wang Xifu, 1977  
*Neostachya shanxiensis* Wang Xifu, 1977, p. 188-189, pl. 2, figs. 1-10; fossil cone; Sichuan-Shanxi area, China; Upper Triassic.
- NEOTEUTLOPORELLA** Bassoulet, 1978  
*Neoteutloporella socialis* (Radoicic) Bassoulet, Bernier, Conrad, Deloffre and Jaffrezo, 1978, p. 184, pl. 21, figs. 5-7; calcareous algae, Dasycladaceae; l'Apennin central, Italy; Upper Jurassic. New name for *Teutloporella gallaeformis* Radoicic, 1964, p. 219-235.
- NEPHROSTROBUS** Chachlov, 1940  
 \**Nephrostrobos degaliensis* Chachlov, V. A., 1940, Trudy Nauk Konf. Izuc. Osvolnie Proizv. Sibiri, v. 2, p. 188; strobilus, Coniferales; Degali, Lower Tunguska River, U.S.S.R.; Upper Carboniferous. ING
- NIGRELLA** Nikitin, 1976  
*Nigrella spinulosa* Nikitin, P. A. ex Nikitin, V. P., 1976, Trudy Inst. Geol. Geofiz., v. 233, p. 193, pl. 74, figs. 15-23; seed; Kireevskoe, Ob River, Tomsk District, western Siberia, U.S.S.R.; Miocene. ING
- NIKITINELLA** Dorofeev, 1974  
 \**Nikitinella tavidensis* Dorofeev, V. I., 1974, Iskopaemye Cvetkovye Rast.

- U.S.S.R., v. 1, p. 63; seed, Nymphaeaceae; Vaskovo, western Siberia, U.S.S.R.; Oligocene. ING
- NILSSONIOCLADUS** Kimura and Sekido, 1975
- Nilssoniocladus nipponense* Kimura and Sekido, 1975, p. 113-116, pl. 1, figs. 1-4; pl. 2, figs. 1-5; new name for *Nilssonia nipponensis* Yokoyama, 1889, p. 42, pl. 6, fig. 8d; pl. 7, figs. 2-7, 8a; pl. 12, fig. 1; pl. 13, fig. 1; foliage, Nilssoniaceae; Ishikawa Prefecture, central Honshu, Japan; Lower Cretaceous. ING
- NITOPHYLLITES** Iljinskaya, 1963
- Nitophyllites zaisanica* Iljinskaya, 1963, p. 174, pl. 1, illus. 1, 1a, 1b; pl. 2, illus. 1, 1a, 1b; leaves, Araceae; Kazakhstan, Zaysan depression, U.S.S.R.; Paleocene.
- NORDIA** Krylov and Perttunen, 1978
- Nordia laplandica* Krylov and Perttunen, 1978, p. 90-93, pl. 3, stromatolite; Tervola region, northwest Finland; Aphebian.
- NORWOODIA** Rothwell, 1976
- Norwoodia angustum* Rothwell, 1976, p. 307-315, pls. 45-46; pteropsid fructifications, Pteridophyta; Pittsburg and Midway Coal Co., no. 19 mine. Cherokee County, Kansas, U.S.A.; Middle Pennsylvanian.
- NOSTOCOPSIS** Mädler, 1963
- Nostocopsis saprolitheca* Mädler, 1963, p. 312-313, pl. 15, fig. 1; alga; Ziegelei Osterfeld bei Goslar, Germany; Lias, Lower Jurassic.
- NOSTOCOPSIS** Yin and Li, 1978
- Nostocopsis desmoides* Yin and Li, 1978, p. 89, pl. 8, fig. 15; alga, Nostocaceae; southwest China; Precambrian.
- NOTHOCHARA** Musacchio, 1973
- Notochara apiculata* Musacchio, 1973, p. 8-9, pl. 2, figs. 1, 4-5, 7-12; gyrogonite; Neuquen Province, Argentina; Upper Cretaceous.
- NOTOTHYLACITES** Nêmejc and Pacltová, 1972
- Notothylicites filiformis* Nêmejc and Pacltová, 1972, p. 23-26, pls. 1-4; hepaticoid dichotomizing thalli; Zliv-Blana, south Bohemian Basin, Czechoslovakia; lower Senovian.
- NOUATILA** Bertrand-Sarfati, 1972
- Nouatila frutectosa* Bertrand-Sarfati, 1972, p. 133-134, pl. 20, figs. 1-2; stromatolite; Guelb Nouatil, Atar, Mauritania, West Africa; upper Precambrian.
- NUCELLOSPHAERIDIUM** Timofeev, 1963
- \**Nucellosphaeridium deunfii* Timofeev, 1963. Noticed in Timofeev, 1969, Sferomorfidy proterozoa, p. 23.
- NUIA** Maslov, 1954
- Nuia siberica* Maslov, 1954, p. 526, pl. 1; algae incertae sedis; Angara River, eastern Siberia, U.S.S.R.; Ordovician. ING
- NYMPHAR** Ozaki, 1978
- Nymphar ebae* (Huzioka) Ozaki, 1978, p. 14-19, pl. 1, figs. 1, 3-5; fossil leaf of the Nymphaeaceae family; Gifu Prefecture, Japan; lower Miocene Nakamura Formation. New name for *Nuphar ebae* Huzioka, 1964, Jour. Min. Coll. Akita Univ., ser. A., v. 3, no. 4, p. 82-83, pl. 11, fig. 6; pl. 12, figs. 1-3.
- O
- OBCONICOPHYCUS** Schopf and Blacic, 1971
- Obconicophycus amadeus* Schopf and Blacic, 1971, p. 950, pl. 107, figs. 1a, b; alga; Ellery Gorge, 80 km west of Alice Springs, Northern Territory, Australia; Precambrian.
- OCHOTOPTERIS** Lebedev, 1974
- Ochotopteris ochotensis* Lebedev, 1974, p. 46-47, pl. 9, fig. 7; pteridophyll; lower reaches of Ilinurek-Makit, left tributary of the Tyl River, West Priokhotsk, U.S.S.R.; Albian.
- OMACHTENIA** Nuzhnov, 1967
- Omachtenia omachtensis* (Nuzhnov) Nuzhnov, 1967, p. 132, pl. 1, figs. 1-2; stromatolite; Siberian platform, U.S.S.R.; Precambrian(?).
- ONCOBELLA** Reid and Chandler, 1933
- Oncobella polysperma* Reid and Chandler, 1933, p. 412, pl. 21, figs. 19-24; fruit, Flacourtiaceae; Sheppey, Kent, England; Eocene. ING
- OOCAMPSA** Andrews, Gensel, and Kasper, 1975
- Oocampsa catheta* Andrews, Gensel, and Kasper, 1975, p. 1719-1728, figs. 1-12; branching plant with small monosporangiate sporangia; possibly intermediate between trimerophytes and progymnosperms; one-half mile west of Dalhousie Junction, New Brunswick, Canada; Middle Devonian.
- ORDOVICIMYCES** Elias, 1966
- Ordovicimycetes gallowayi* Elias, 1966, p. 12-13, figs. 46-67; algal and fungal, Ordovicimycaceae; no locality given; Ordovician.
- ORIENSPHYTON** Stepanov, 1967
- Oriensphyton yakubovii* Stepanov, S.,

1967. Noticed in Stepanov, S. A., 1975, p. 73-75, pl. 28, figs. 1-8; Primoflicies, incertae sedis; Devonian.
- OSCILLATORIOPSIS** Schopf, 1968  
*Oscillatoriopsis obtusa* Schopf, 1968, p. 666-667, pl. 77, fig. 8; "alga," Oscillatoriaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.
- OSMUNDACAULIS** Miller, 1967  
*Osmundacaulis skidegatensis* (Penhallow) Miller, 1967, p. 146; rhizomes, roots, leaf-bases, Osmundaceae; a new name for *Osmundites* Under because of prior use by Jaeger, 1827. ING
- OTOFOLIUM**, 1974  
*Otofolium polymorphum*, 1974, p. 164-165, pl. 127, figs. 2-6; leaflets, Coniferae; China; Carboniferous. In Paleozoic plants of China: Nanking Inst. Geol. and Palaeont., 1974 (in Chinese).
- OUGENIOXYLON** Prakash and Tripathi, 1975  
*Ougenioxylon tertiarum* Prakash and Tripathi, 1975, p. 140-142, pl. 1, figs. 1-3; pl. 2, figs. 5-6; fossil wood; Sultanicherra, Assam, India; Tertiary.
- P
- PAEONIAECARPUM** Andreanszky, 1961  
*\*Paeoniaecarpum hungaricum* Andreanszky, 1961, Ann. Hist. Nat. Mus. Natl. Hung., v. 53, p. 15; fruit, Ranunculaceae; Szelecsi Valley, Hungary; Miocene, Sarmatian. ING
- PAGODAPORELLA** Elliott, 1966  
*Pagodaporella wetzelii* Elliott, G. F., 1966, Micropaleontology, v. 2, p. 333; Dasycladaceae; Bekhme, Erbil Luvu, northern Iraq; Paleocene. ING
- PALAEOANACYSTIS** Schopf, 1968  
*Palaeoanacystis vulgaris* Schopf, 1968, p. 672-676, pl. 82, figs. 5-7; "alga," Chroococcaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.
- PALAEOARTHRODENDRON** Dayal, 1964  
*Palaeoarthrodendron diffusum* (Ulrich) Dayal, 1964, p. 716-717; Alaska; Lower Jurassic. Revised name for *Arthrodendron* Ulrich, 1904, Harriman Alaska Exped., Geology and Paleontology, p. 138.
- PALAEOBERESELLA** Mamet and Roux, 1974  
*Palaeoberesella lakuseni* (von Möller, 1879) Mamet and Roux, p. 138, alga,
- Palaeobereselleae*; Vyazma, U.S.S.R.; Viséan. New name for *Nodosinella lakuseni* von Möller, 1879, p. 75, pl. 5, figs. 6-7; pl. 3, fig. 5.
- PALAEOEURYALE** Dorofeev, 1972  
*Palaeoeuryale sukaczewii* (Dorofeev) Dorofeev, 1972, p. 1052, pl. 1, figs. 7, 8; pl. 2, fig. 7; seed, Nymphaeaceae; Lezanki, Irtyse, Omskaja District, U.S.S.R.; upper Miocene. New name for *Eurale sukaczewii* Dorofeev. ING
- PALAEOEGMINELLA** Fairchild and Schopf, 1973  
*Palaeoegminella folkii* Fairchild and Schopf, 1973, p. 951, pl. 1, figs. 1-9; Chlorophyceae-Ulotrichaceae; Brewster County, Texas, U.S.A.; Upper Devonian. ING
- PALAEOGIRVANELLA** Krasnopeeva, 1937  
*\*Palaeogirvanella ergiensis* Krasnopeeva, P. S., 1937, Mater. Geol. Krasnojarsk. Kraja, v. 3, p. 12; algae; Potehino, Hakassia, Kuznetsk, Alatau Range, U.S.S.R.; Cambrian. ING
- PALAEOLEPTOPHYCUS** Korde, 1954  
*\*Palaeoleptophycus varsanofievae* (Korde) Korde, 1954, Mater. Osnov. Paleontol., v. 2, p. 104; Cyanophyceae, Rivulariaceae; near Boguchany, Krasnojarsk Territory, U.S.S.R.; Upper Cambrian. New name for *Leptophycus varsanofievae* Korde. ING
- PALAEOLYNBYA** Schopf, 1968  
*Palaeolynbya barghoormiana* Schopf, 1968, p. 665-666, pl. 77, figs. 1-5; "alga," Oscillatoriaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.
- PALAEOMICROCOLEUS** Korde, 1965  
*Palaeomicrocoleus grumeri* Korde, 1965, p. 432, pl. 1, fig. 5; Cyanophyceae, Schizotrichaceae; Minnesota, U.S.A.; Precambrian, Huronian. ING
- PALAEOMICROCYSTIS** Maithy, 1975  
*Palaeomicrocystis schopfi* Maithy, 1975, p. 138, pl. 2, figs. 11, 12; algal, long and narrow filaments, Chroococcaceae; Kanchi, Zaire; Bushimay Supergroup, upper Precambrian.
- PALAEONITES** Maslov, 1956  
*Palaeonites jacutii* (Maslov) Maslov, 1956, p. 80, pl. 25, fig. 2; Rhodophyceae, Proauloporaceae; Lena River, Yakutsk, U.S.S.R.; Lower Cambrian. New name for *Epiphyton jacutii* Maslov. ING
- PALAEOPHTHORA** Singhai, 1978  
*Palaeophthora mohgaonensis* Singhai,

- 1978, p. 481-485, pl. 1, figs. 1-5; fungus, Pythiaceae; Mohgaon-kalan, Chhindwara District, Madhya Pradesh, India; Deccan Intertrappean beds, Tertiary.
- PALAEOPINULXYLON** Mussa, 1974  
*Palaeopinulyxylon josuei* Mussa, 1974, p. 510-511, pls. 1-5; wood, Protopinaceae; Uberlandia, Minas Gerais, Brazil; Lower Cretaceous.
- PALAEOSCLEROTIUM** Rothwell, 1972  
*Palaeosclerotium pusillum* Rothwell, 1972, p. 2353-2356, 8 figs.; fossil fungal sclerotia; Harrisburg Quadrangle, Williamson County, Illinois, U.S.A.; Carbondale Formation, Middle Pennsylvania.
- PALAEOSCYTONEMA** Maithy and Shukla, 1977  
*Palaeoscytonema srivastavae* Maithy and Shukla, 1977, p. 179-180, pl. 2, figs. 13, 14; algae, Oscillatoriaceae; Ramapura, Madhya Pradesh, India; Semri series, Vindhyan system, upper Precambrian.
- PALAEOSIDEROXYLON** Grambast-Fessard, 1968  
*Palaeosideroxylon flammula* Grambast-Fessard, 1968, p. 65-70, pls. 1-4; wood, Sapotaceae; Rayau near Castellane, Basses-Alpes, France; upper Miocene. ING
- PALAEOSIPHONELLA** Licari, 1978  
*Palaeosiphonella cloudii* Licari, 1978, p. 785-788, pl. 3, figs. 10-11; alga, incertae sedis; eastern California, U.S.A.; upper pre-Phanerozoic.
- PALEOCLOSTERIUM** Baschnagel, 1966  
*Paleoclosterium leptum* Baschnagel, 1966, p. 299-300, figs. 3-4; freshwater algae; Lancaster, New York, U.S.A.; in Onondaga Limestone chert, Middle Devonian.
- PALEOCYSTOPHORA** Parker and Dawson, 1965  
 \**Paleocystophora subopposita* Parker, B. C. and Dawson, E. Y., 1965, Nova Hedwigia, v. 10, p. 285; Phaephyceae, Cystoseiraceae; Los Angeles County, California, U.S.A.; Miocene, upper Mohanian. ING
- PALEODIDYMPRIUM** Baschnagel, 1966  
*Paleodidymoprium didymum* Baschnagel, 1966, p. 300, fig. 5; freshwater algae; 2 miles east of Richfield Springs, New York, U.S.A.; chert in Onondaga Limestone, Middle Devonian.
- PALEOEDOGONIUM** Baschnagel, 1966  
*Paleoedogonium micrum* Baschnagel, 1966, p. 299, figs. 1, 2; freshwater algae; Buffalo, New York, U.S.A.; chert in Onondaga Limestone, Middle Devonian.
- PALEOOREOMUNNEA** Dilcher, Potter, and Crepet, 1976  
*Paleooreomunnea stoneana* Dilcher, Potter, and Crepet, 1976, p. 539-541, figs. 26-32; winged fruit, Juglandaceae; Warman, Weakley County, Tennessee, U.S.A.; middle Eocene.
- PALEOPIKEA** Parker and Dawson, 1965  
*Paleopikea cranei* Parker, B. C., and Dawson, E. Y., 1965, Nova Hedwigia, v. 10, p. 288; Rhodophyceae, Dumontiaceae; Los Angeles County, California, U.S.A.; Miocene, lower Luisian. ING
- PALEOPLEUROCAPSA** Knoll, Barghoorn, and Golubic, 1975  
*Paleopleurocapsa wopfneri* Knoll, Barghoorn, and Golubic, 1975, p. 2489, fig. 1; algae, Cyanophyta; near Port Augusta, South Australia; Precambrian. ING
- PALEOROSA** Basinger, 1976  
*Paleorosa similkameenensis* Basinger, 1976, p. 2293-2305, 14 figs.; permineralized flower, Rosaceae; 8.4 km south-southwest of Princeton, British Columbia, Canada; Allenby Formation, middle Eocene.
- PALEOSIPHONIA** Parker and Dawson, 1965  
 \**Paleosiphonia oppositoclada* Parker, B. C. and Dawson, E. Y., 1965, Nova Hedwigia, v. 10, p. 288, Rhodophyceae, Gloiosiphoniaceae; Los Angeles County, California, U.S.A.; Miocene, upper Mohanian. ING
- PALEOTHAMNION** Parker and Dawson, 1965  
 \**Paleothamnion aciculare* Parker, B. C., and Dawson, E. Y., 1965, Nova Hedwigia, v. 10, p. 290; Rhodophyceae, Ceramiaceae; Los Angeles County, California, U.S.A.; Miocene, lower Luisian. ING
- PALUSTRAPALMA** Daghlian, 1978  
*Palustrapalma agathae* Daghlian, 1978, p. 73, pl. 2, fig. 10; pl. 7, figs. 24, 26; pl. 10, figs. 38, 39; pl. 11, figs. 40-43; pl. 12, figs. 44-50; pl. 13, figs. 51-54; pl. 14, figs. 55-56; fossil palm leaves; Marion County, Texas, U.S.A.; Wilcox Group, lower Eocene.
- PARACMOPYLE** Krassilov, 1967  
*Paracmopyle sutschanica* Krassilov, 1967, p. 19, *P. florinii* is pl. 68, figs. 1-4; Coniferales; Primorye, U.S.S.R.; Lower Cretaceous.
- PARACOLONNELLA** Tsao and Liang, 1974  
*Paracolonnella laohudingensis* Tsao and Liang, 1974, p. 12-13, pl. 4, figs. 3-4; Solenopora; China; Sinian.

- PARACONOPHYTON** Liang and Tsao, 1974  
*Paraconophyton inconspicua* Liang and Tsao, 1974, p. 12, pl. 8, fig. 2; alga, Corallinaceae; China; Sinian.
- PARAGARWOODIA** Poncet, 1974  
*Paragarwoodia balbinia* Poncet, 1974, p. 226, pl. 4, fig. 1; calcareous algae, Codiaceae; Amoricain Massif, Baubigny (Manche), western France; Lower Devonian.
- PARAGONDWANIDIUM** Meyen, 1967  
*Paragondwanidium sibiricum* (Petunn.) Meyen, 1967, p. 145-146, text fig. 5; leaves with distinct midrib and lateral veins concentrated in bundles; Angara, U.S.S.R.; Permian.
- PARAKAMAENA** Mamet and Roux, 1974  
*Parakamaena tenuisepta* (Mamet and Rudloff, 1972) Mamet and Roux, 1974, p. 139-140 (pl. 5, fig. 11 in Mamet and Rudloff, 1972); alga, Palaeobereselleae; Northern Hemisphere; Lower Carboniferous. New name for *Kamaena? tenuisepta* Mamet and Rudloff, 1972.
- PARALANCICULA** Shuyskiy, 1973  
*Paralancicula fibrosa* Shuyskiy, 1973, p. 18-20, pl. 1, figs. 1-3; green algae, Codiaceae; western slopes of the central Urals, U.S.S.R.; Lower Devonian.
- PARALYCOPODITES** Morey and Morey, 1977  
*Paralycopodites minutissimum* Morey and Morey, 1977, p. 64-69, pls. 1-2; branching lycopod axis; Williamson County, Illinois, U.S.A.; Middle Pennsylvanian.
- PARAMICROTHALLITES** Jain and Gupta, 1970  
*Paramicrothallites (Microthallites) spinulatus* (Dilcher) Jain and Gupta, 1970, p. 179, fig. in Dilcher, 1965, pl. 12, fig. 92; epiphyllous fungus, Microthyriaceae; Eocene.
- PARAOEROMUNNEA** Dilcher, Potter, and Crepet, 1976  
*Paraoeromunnea puryearensis* (Berry) Dilcher, Potter, and Crepet, 1976, p. 536-537, figs. 7-15, 22, 23, for *Engelhardia* (sic.) *puryearensis* Berry, 1916, 1930; winged fruit, Juglandaceae; Henry County, Tennessee, U.S.A.; Eocene.
- PARAPSILOPHYTON** Senkevich, 1972  
*\*Parapsilophyton balkhashensis* Senkevich, M. A., 1972, *Novy Vidy Drevnih Rast. Bespozvonocnyh S.S.S.R.*, p. 298; Psilopsida; Kazanstan, U.S.S.R.; Devonian, Eifelian. ING
- PARASOLENOPORA** Tsao and Zhao, 1974  
*Parasolenopora irregularis* Tsao and Zhao, 1974, p. 70, pl. 25, fig. 2; ?Solenoporaceae; southwest China; Sinian, Tongying Formation. Noticed in Cao Ruiji and Zhao Wenjie, 1978, p. 24.
- PARASOROCAULUS** Turutanova-Ketova, 1968  
*\*Parasorocaulus corticalis* Turutanova-Ketova, A. I., 1968, *Novy Vidy Drevnih Rast. Bespozv. S.S.S.R.*, v. 2, no. 1, p. 18; branch with leaves, Phyllotheceae; Saur Range, eastern Kazakhstan, U.S.S.R.; Upper Triassic and Lower Jurassic. ING
- PARASPOROTHECA** Dennis and Eggert, 1978  
*Parasporotheca leismanii* Dennis and Eggert, 1978, p. 117-139, 45 figs.; compound synangiate pollen organ; Berryville, Illinois, U.S.A.; Mattoon Formation, Upper Pennsylvanian.
- PARATERNSTROEMIA** Hickey, 1977  
*Paraternstroemia hyphovenosa* Hickey, 1977, p. 140, pl. 42, figs. 2, 4; pl. 43, fig. 1; fossil leaf; Stark County, North Dakota, U.S.A.; Camels Butte Member, Golden Valley Formation, Eocene.
- PARATINOMISCIMUM** Wolfe, 1977  
*Paratinomiscium conditionalis* (Hollick) Wolfe, 1977, p. 65, pl. 7, fig. 5; fossil leaf; Yakutat Bay, Alaska, U.S.A.; Tertiary.
- PARATORDOXYLON** Mussa, 1978  
*Paratorodoxylon camposi* Mussa, 1978, p. 174-177, pls. 8-11, figs. 49-64; gymnospermous wood; Pedreira Maluf, near Piricicaba, São Paulo, Brazil; Permian, Irati Formation.
- PARASTACHEIA** Mamet and Roux, 1977  
*Parastacheia iglii* Mamet and Roux, 1977, p. 221, pl. 2, figs. 2-3; alga; Igli, Algeria; upper Viséan.
- PARMATHYRITES** Jain and Gupta, 1970  
*Parmathyrites indicus* Jain and Gupta, 1970, p. 177-178, pl. 1, fig. 1; fossil fungus, Microthyriaceae; Padappakara (11 km northeast of Quilon), western Ghat, India; Tertiary, Miocene.
- PARSOROPHYLLUM** Lele, 1969  
*Parsorophyllum indicum* Lele, 1969, p. 313-318, 2 pls.; fern-like frond; South Rewa Basin, Madhya Pradesh, India; Parsora Stage, middle Gondwana, Triassic.
- PARTHA** Surange and Chandra, 1971  
*Partha indica* Surange and Chandra, 1971, new name for *Lidgettonia indica* Surange and Maheshwari, 1970, p. 356-358, pl. 1, figs. 1-4; fertile leaf, Glossopteridales; Hinjrida Ghati, north



- of Handappa in the Denkanal District, Orissa, India; Permian.
- PARTITIOFILUM** Schopf and Blacic, 1971  
*Partitiofilum gongyloides* Schopf and Blacic, 1971, p. 947, pl. 105, fig. 3; pl. 106, fig. 6; alga; Ellery Gorge, 80 km west of Alice Springs, Northern Territory, Australia; Precambrian.
- PECTINANGIUM**, 1974  
*Pectinangium lanceolatum*, 1974, p. 166-167, pl. 128, figs. 9-12; fructifications, Coniferae; China; Carboniferous. In Paleozoic plants of China: Nanking Inst. Geol. and Palaeont., 1974 (in Chinese).
- PEKINOPTERIS** Hope and Patterson, 1970  
*Pekinopteris auriculata* Hope and Patterson, 1970, p. 1137-1139, figs. 1A, B, C; fernlike plant, incertae sedis; central North Carolina, U.S.A.; Upper Triassic, Pekin Formation.
- PEKISKOPORA** Mamet, 1974  
*Pekiskopora macqueeni* Mamet, 1974, p. 40, 42, pl. 1, figs. 1-11; pl. 2, figs. 1-11; alga, Dasycladaceae; region of Mt. Hannington, British Columbia, Canada; Tournaisian.
- PENDULOSTACHYS** Good, 1975  
*Pendulostachys cingulariformis* Good, 1975, p. 69-72, pl. 13, fig. 118; pl. 14, figs. 119-128; pl. 15, fig. 129; calamitean cone; Berryville, Lawrence County, Illinois, U.S.A.; Pennsylvanian.
- PENOSPHYLLUM** Hickey, 1977  
*Penosphyllum cordatum* (Ward) Hickey, 1977, p. 139, pl. 43, fig. 2; fossil leaf; below Glendive, Montana, U.S.A.; Fort Union Formation. New name for *Pterospermites cordatus* Ward, 1887, p. 93, pl. 41, fig. 4.
- PENTAPORELLA** Senowbari-Daryan, 1978  
*Pentaporella rhaetica* Senowbari-Daryan, 1978, p. 6-12, figs. 1-9; dasycladacean alga; Hintersee/Salzburg, Austria; upper Rhaetian.
- PERISPERMUM** Darrah, 1969  
*Perispermum pachytestum* (Lesquereux) Darrah, 1969, p. 167-169; gymnosperm seeds; Mazon Creek, Illinois, U.S.A.; Middle Pennsylvanian. New name for *Rhabdocarpus pachytesta* Lesquereux, 1884, pl. 110, figs. 37-38.
- PERISPORITES** Pampaloni, 1902  
*Perisporites hirsutus* Pampaloni, 1902, p. 126, pl. 10, fig. 9; fungi, Perisporiaceae; Melilli, Sicily, Italy; Tertiary.
- PERMOPERPLEXELLA** Elliott, 1968  
*Permoperplexella attenuata* Elliott, 1968, p. 64, pl. 17, figs. 1-5; calcareous alga, Dasycladaceae; Ora, Mosul, Iraq; Permian, Zinnar Formation.      ING
- PERSICOPTERIS** Boureau and Fakhr, 1975  
*Persicopteris pachypteroides* Boureau and Fakhr, 1975, p. 269-271, fig. 219; Pecopterideae; Shemshak, Iran; Rhaetic and Lias. In Boureau and Doubinger, 1975.
- PERSITES** Hickey, 1977  
*Persites argutus* Hickey, 1977, p. 127, pl. 26, figs. 1, 4, 6, 8; pl. 27, fig. 1; fossil leaves; Morton County, North Dakota, U.S.A.; Bear Den Member, Golden Valley Formation, upper Paleocene.
- PETRASCULA** Gumbel, 1873  
*Petrascula bursiformis* (Etallon) Gumbel, 1873, p. 292, pl. 1, figs. 1-15; Dasycladaceae; Switzerland; Upper Jurassic. New name for *Conodictyum bursiforme* Etallon, 1858, p. 530.      ING
- PHACELOFIMBRIA** Tsao and Zhao, 1974  
*\*Phacelofimbria emeishanensis* Tsao and Zhao, 1974, p. 70, pl. 24, figs. 1, 2; microproblematica; southwest China; Siniian, Tongying Formation. Noticed in Cao Ruiji and Zhao Wenjie, 1978, p. 26.
- PHANEROSPHAEROPS** Schopf and Blacic, 1971  
*Phanerosphaerops capitaneus* Schopf and Blacic, 1971, p. 951-952, pl. 110, figs. 11, 14a-d; alga; Ellery Gorge, 80 km west of Alice Springs, Northern Territory, Australia; Precambrian.
- PHYTOSPONGIA** Maslov, 1960  
*Phytospongia cylindrica* Maslov, 1960, p. 59, pl. 2, fig. 4; alga; Siberian platform, U.S.S.R.; Ordovician.      ING
- PIAZOPTERIS** Lorch, 1967  
*Piazopteris branneri* (White) Lorch, 1967, p. 134, pls. 3, 4, 5; leaves, Matoniaceae; Bahia, Brazil; Jurassic. New name for *Phlebopteris branneri* White, Am. Jour. Sci., v. 35, p. 633.
- PICCOLOMINITES** Unger, 1847  
*Piccolominites sardus* Unger, 1847, p. 90; wood; Sardinia; Miocene.      ING
- PICEOSTROBUS** Palibin, 1932  
*Piceostrobus neustruevii* Palibin, 1932, p. 53, figs. 1c, 2; cone, Pinaceae; Tocilnajo Hill, northwest part of Oreburskaja District, U.S.S.R.; Oligocene.      ING
- PIENINIA** Borza and Misik, 1976  
*Pieninia oblonga* Borza and Misik, 1976, p. 65, pls. 1-4; algae; Strazov bei Zilina, Czechoslovakia; Barrême and Apt (Urgon).
- PIPTADENENIOXYLON** Suguio and Mussa, 1978  
*Piptadenenioxylon chimeloi* Suguio and

- Mussa, 1978, p. 30-32, pl. 2, figs. 5-9; wood, Mimosaceae; Itaquaquetuba, São Paulo City, Brazil; upper Pleistocene.
- PLAFKERIA** Wolfe, 1977  
*Plafkeria rentonensis* (Wolfe) Wolfe, 1977, p. 81; fossil leaf; Renton, Washington, U.S.A.; Paleogene. New name for *Willisia rentonensis* Wolfe, 1968, p. 24, pl. 7, figs. 3, 5.
- PLANOUMBELLA** Platonov, 1974  
*Planoumbella patella* (Bykova) Platonov, 1974, p. 99; charophyte; Voronezh Province, U.S.S.R.; Frasnian. New name for *Umbella patella* Bykova, 1955, p. 37 (pars).
- PLEUROCAPSITES** Maslov, 1960  
*Pleurocapsites angaricus* Maslov, 1960, p. 62, pl. 4, figs. 4-5; alga; Siberian platform, U.S.A.; Ordovician. ING
- PLEUROMEIOPSIS** Sixel, 1958  
 \**Pleuromeiopsis kryshstofovichii* Sixel, T. A., 1958, Trudy Sredneaziatsk. Univ. nova ser. 125, Geol. Nauk, v. 10, p. 67; leaves, Lycopodiophyta; Madygen field, southern Fergana intermountain basin, Uzbekistan, U.S.S.R.; Upper Permian and Lower Triassic. ING
- PLUMSTEADIELLA** Le Roux, 1966  
*Plumsteadiella elegans* Le Roux, 1966, p. 37-43, pl. 1, fig. 1; pl. 2, figs. 1-2; fructification; Vereeniging, Transvaal, Africa; Carboniferous and Permian.
- PLUMSTEADIOSTROBUS** Chandra and Surange, 1974  
*Plumsteadiostrobis ellipticus* Chandra and Surange, 1974, p. 161-175, 6 pls.; multiovulate, elliptical, female reproductive organ fructification; Raniganj coal field, Bengal, India; Raniganj Stage, Permian.
- PODOCARPIUM** Unger, 1864  
 \**Podocarpium dacrydiodes* Unger, F.A.J.A.N., 1864, Reise Novara Erde, Geol. Theil, v. 1, no. 2, p. 13; Podocarpaceae. ING
- POIKILOPORELLA** Pia, 1943  
*Poikiloporella duplicata* (Pia) Pia, 1943, p. 28; alga, Dasycladaceae; Austria; Karn. New name for *Oligoporella duplicata* Pia, 1920, p. 48, pl. 2, figs. 23-29.
- POLANISIA** Nikitin, 1976  
*Polanisia graveonella* Nikitin in coll., p. 181, pl. 69, figs. 14-17; seeds, Capripadaceae; Mammontova Gora, eastern Siberia, U.S.S.R.
- POLYALTHIOXYLON** Kramer, 1974  
*Polyalthioxyylon platymitroides* Kramer, 1974, p. 105-112, pl. 25, figs. 73, 74, 76, 79, 81, 82; fossil wood, Annonaceae; Java; upper Tertiary/lower Quaternary.
- POLYCELLARIA** Pflug, 1965  
*Polycellaria bonnerensis* Pflug, 1965, p. 12, pl. 1, figs. 1-3; fungi; Clark Fork Quadrangle, Idaho-Montana, U.S.A.; Algonkian, Beltian. ING
- POLYLOBOXYLON** Kräusel and others, 1973  
*Polyloboxyylon raniganjense* Kräusel and others, 1973, p. 209-210, figs. 45-48; pl. 2, figs. 29-31; wood, Gymnospermae; Rajahanundry, East Fodovari District, peninsular India; Pliocene. ING
- POLYSPHAERINELLA** Mamet, 1973  
*Polysphaerinelia bulla* (Conil and Lys) Mamet, 1973, p. 108, pl. 3, figs. 1-3, 5-7; algae incertae sedis; Namur, Belgium; Lower Carboniferous. New name for *Eotubertina bulla* Conil et Lys, which was published as a foraminiferan. ING
- POLYTAENIA** Saporta and Marion, 1885  
*Polytaenia quinquesecta* Saporta and Marion, 1885, p. 119, fig. 125A; leaf; Bagnole, Gard, France; Cretaceous, Turonian. ING
- POLYTRYPES** Defrance, 1826  
 \**Polytrypes elongatus* Defrance, J. L. M., 1826, Dict. Sci. Nat., v. 42, p. 453; Dasycladaceae; Grignon, Seine-et-Oise, France; Eocene, Lutetian. ING
- POPULOXYLON** Andreanszky, 1952  
 \**Populoxylon* Andreanszky, G., 1952, Ann. Biol. Univ. Hung., v. 1, p. 18; wood, Salicaceae; Mikofalva, Hungary; upper Miocene. ING
- POROSPHAERA** Wang Zhen and Huang Ren-jin, 1978  
*Porosphaera maxima* Wang Zhen and Huang Ren-jin, 1978, p. 273, pl. 1, figs. 7, 8; charophyte; Shanxi Province, China; Heshanggon Formation, Triassic.
- POROSIA** Hickey, 1977  
*Porosia verrucosa* (Lesquereux) Hickey, 1977, p. 114, pl. 54, figs. 1-4; fossil seed bodies; Black Buttes, Wyoming, U.S.A.; Tertiary. New name for *Carpites verrucosus* Lesquereux, 1878, p. 305.
- POWYSIA** Edwards, 1977  
*Powysia bassetii* Edwards, 1977, p. 823-832, pls. 110-111; Llangammarch Wells, Powys, Wales; algae incertae sedis; Upper Silurian.
- PRAECHARA** Birina, 1948  
*Praechara chovanensis* Birina, 1948, p. 154, pl. 1, figs. 1-2; algae incertae sedis; Novomoskovskaya, Moskovskaya District, U.S.S.R.; Upper Devonian. ING

**PRAECHARA** Horn af Rantzen, 1954 (non Birina, 1948).  
*Praechara mädleri* Horn af Rantzen, 1954, p. 57-64, pl. 5, figs. 6-8; Charaphyceae; Scania, Sweden; Middle Triassic. ING

**PRAECHROOCOCCUS** Tsao, 1964  
*Praechroococcus pinguensis* Tsao, 1964, p. 353, pl. 1, figs. 1-2; Cyanophyta; Sinian. Noticed in Cao Ruiji and Zhao Wenjie, 1978, p. 15.

**PRAEDEPARIA** Stur, 1921  
*Praedeparia banatica* Stur, D. ex Krasser, F., 1921, Akad. Wiss. Sitzungsber, Math.-Naturwiss. Kl. Abt. 1, v. 130, p. 347; fertile foliage, Polypodeaceae; Steiersdorf, Banate, Hungary; lower Liassic. ING

**PRAEDONEZELLA** Kulik, 1973  
*Praedonezella cespeformae* Kulik, 1973, p. 47, pl. 3, figs. 5-6; Rhodophyta; Shartym River, U.S.S.R.; Carboniferous.

**PRAESOLENOPORA** Tsao and Zhao, 1974  
*Praesolenopora magniflabella* Tsao and Zhao, 1974, p. 69, pl. 9, fig. 4; ?Solenoporaceae; southwest China; Sinian, Tongying Formation. Noticed in Cao Ruiji and Zhao Wenjie, 1978, p. 22.

**PRECYCLOSTIGMA** Lejal-Nicol, 1975  
*Precyclostigma tadrartense* Lejal-Nicol, 1975, p. 70-74, pl. 6, figs. 29-31; pl. 7, fig. 33; impression of axes, Sublepidodendraceae; Mourzouk Basin, Libya; Lower Devonian.

**PRELEPIDODENDROPSIS** Senkevíc, 1972  
*\*Prelepidodendropsis kornilovae* Senkevíc, M. A., 1972, Novye Vidy Drevnih Rast. Bespozvonocnyh U.S.S.R., p. 302; Lepidodendropsidaceae; [Kazakhstan], U.S.S.R.; Devonian, Eifelian. ING

**PROPYTHIUM** Elias, 1966  
*Propythium carbonarium* Elias, 1966, p. 10-11, pl. 1, figs. 12-20; fungus, Pythiaceae; near South Bend, Nebraska, U.S.A.; Missouri series, Upper Pennsylvanian.

**PROTEACIPHYLLUM** MacGinitie, 1974  
*Proteaciphyllum minutum* MacGinitie, 1974, p. 88, pl. 5, fig. 2; pl. 18, fig. 2; fossil leaf; Kisinger Lakes, Wyoming, U.S.A.; middle Eocene.

**PROTOLEMMMA** Saporta, 1891  
*Protolemma* Saporta, 1891, p. 251; dicotyledon; Cercal, Portugal; Cretaceous. ING

**PROTOPINAKODENDRON** Radcenko, 1967  
*Protopinakodendron asiaticum* (V. A. Chachlov) Radcenko, G. P., 1967; bark, Lepidodendrales; Voznesenskoe, Batoj

River, near Krasnoyarsk, Siberia, U.S.S.R.; Lower Carboniferous. New name for *Porodendron asiaticum* Chachlov, 1940, C. R. de la Conference sur les forces de production de la Siberia, v. 2, p. 510, fig. 2. Noticed in Boureau, E., 1967, *Traité Paleobot.*, v. 2, p. 696, fig. 473. ING

**PROTOPINUXYLON** Eckhold, 1921  
*Protopinuxylon* Eckhold, W., 1921, Hof-tufel Rezent. Fossil. Konif. (2); wood, Coniferae. ING

**PROTOPODOCARPITYS** Mussa, 1974  
*Protopodocarpitys rösleri* Mussa, 1974, p. 620-633, pls. 1-5; a podocarpaceous fossil wood; near Piracicaba, São Paulo, Brazil; Permian.

**PROTOSTIGMARIA** Jennings, 1975  
*Protostigmardia eggertiana* Jennings, 1975, p. 20-23, pl. 3, figs. 1-5; roots, lycopod; Coal Bank Hollow, about 4.2 km north of Blacksburg, Virginia, U.S.A.; Lower Mississippian.

**PROTOTAXOPITYS** Agashe, 1977  
*Prototaxopitys andrewsii* (Agashe and Chitnis) Agashe, 1977, p. 278-279. New name for *Prototaxoxylon andrewsii* Agashe and Chitnis.

**PROTOTAXOXYLON** Kräusel and Dolianiti, 1958  
*Prototaxoxylon africanum* (Walton) Kräusel and Dolianiti, 1958, p. 126; fossil wood, sekundäres gymnospermenholz; South Africa; Permian.

**PROTOTROCHODENDROIDES** Budanev and Kirichova, 1966  
*Prototrochodendroides jacutica* Budanev, L. J. and Kirichova, A. I., 1966, Trudy Vsesojuzn. Neft. Nauc Geologorazved. Inst., v. 249, p. 164; leaf, Ranunculales; Lepiske River, tributary of Lena, Yakutia, U.S.S.R.; Cretaceous, Albanian. ING

**PROTOUMBELLA** Mamet, 1970  
*Protoumbella saccammeniformis* (Bykova) Mamet, 1970, p. 1169; Charophyceae; Uryupansk District, Stalingrad region, U.S.S.R.; Upper Devonian, Famennian. New name for *Umbella saccammeniformis* Bykova, in Bykova and Polenova, 1955, p. 44, pl. 9, figs. 10-11; pl. 16, figs. 1-2. ING

**PSEUDAGATHOXYLON** Greguss, 1974  
*Pseudagathoxylon eplényense* Greguss, 1974, p. 167-187, 3 pls.; wood, Coniferae; Eplny, Hungary; Jurassic.

**PSEUDOCLYPEINA** Radoicic, 1970  
*Pseudoclypeina cirici* Radoicic, 1970, p. 4,

- figs. 1a-3; calcareous thallus, Dasycladaceae; Yugoslavia; Kim-mridgien to Aptien.
- PSEUDOCONUS** Krasnopeeva, 1937  
 \**Pseudoconus convexus* Krasnopeeva, P. S., 1937, Mater. Geol. Krasnojarsk Kraja, v. 3, p. 9; thallus, algae; near Potehino, Hakassia, Kuznetsk Alatau Range, U.S.S.R.; Precambrian, Algonkian. ING
- PSEUDOEURALE** Dorofeev, 1972  
*Pseudoeurale dravertii* Dorofeev, 1972, p. 1050-1051, pl. 1, figs. 4, 5; pl. 2, fig. 2; seed, Nymphaeaceae; Lezanki, Irtyse, Omskaja District, U.S.S.R.; upper Miocene.
- PSEUDOGYMNOSOLEN** Liang and Tsao, 1974  
*Pseudogymsolen mopanyüensis* Liang and Tsao, 1974, p. 15, pl. 7, figs. 5-7; alga, Corallinaceae; China; Sinian.
- PSEUDOHARRISICHA** Musacchio, 1973  
*Pseudoharrisichara walpurgica* Musacchio, 1973, p. 10-12, pl. 3, figs. 9-16; pl. 4, figs. 3, 5; gyrogonite; Neuquen and Rio Negro Provinces, Argentina; Upper Cretaceous.
- PSEUDOHEDSTROEMIA** Mamet and Roux, 1978  
*Pseudohedroemia polyfurcata* Mamet and Roux, 1978, p. 71, pl. 2, figs. 1-5; pl. 7, fig. 16; codiacean alga; northernmost Tennessee, U.S.A.; Calcaire de Saint-Louis.
- PSEUDOHIPIDOPSIS** P'an, 1974  
*Pseudohipidopsis brevicaulis* (Kaw and Kon'no) P'an, 1974, p. 148, pl. 117, figs. 4-9; leaflets; China; Carboniferous. In Paleozoic plants of China: Nanking Inst. Geol. and Palaeont., 1974 (in Chinese).
- PSEUDOLATOCHARA** Wang Zhen, 1978  
*Pseudolatochara jianghanensis* Wang Zhen, 1978, p. 74-75, pl. 5, figs. 36-42; charophyte; Yangtze-Han River basin, China; Cretaceous.
- PSEUDONANOPORA** Mamet and Roux, 1975  
*Pseudonanopora stockmansii* Mamet and Roux, 1975, p. 251, pl. 2, figs. 1-6; algae, Dasycladaceae; Tramaka, Belgium, and Igli, Algeria; Carboniferous.
- PSEUDOPHYLLOTHECA** Turutanova-Ketova, 1968  
 \**Pseudophyllothea torosa* Turutanova-Ketova, A. I., 1968, Novye Vidy Drevnih Rast. Bespozv. U.S.S.R.; branch with leaves, Calamophyta; Kenderlyk coal deposit, Saur Range, eastern Kazakhstan, U.S.S.R.; Upper Triassic and Lower Jurassic. ING
- PSEUDORHACOPTERIS** Rigby, 1973  
*Pseudorhacopteris ovata* (McCoy) Rigby, 1973, p. 1; barren fronds, Pteridospermae; Arowa, New South Wales, Australia; Upper Paleozoic. New name for *Otopteris ovata* McCoy, 1847, pl. 9, fig. 2.
- PSEUDOSOLENOPORA** Mamet and Roux, 1977  
*Pseudosolenopora owodenkoi* (Chanton-Güvenc, 1972) Mamet and Roux, 1977, p. 233-236; alga; lower Viséan. New name for *Solenopora owodenkoi* Chanton-Güvenc, 1972, p. 13, fig. 1, 3.
- PSEUDOSPHEPHYTON** Baxter, 1975  
*Pseudosphephyton höegii* Baxter, 1975, p. 31, 4 figs.; whorled leaves, Sphenophyta; Pyramid coal mine, Perry County, Illinois, U.S.A.; Pennsylvanian. ING
- PSEUDOSYCIDIDIUM** Karpinsky, 1932  
*Pseudosycidium* Karpinsky, A. P. ex Hacquart, A. L., 1932, Bull. Mus. Roy. Hist. Nat. Belgique, v. 8, no. 30, p. 10, figs. 5, 7; Charophyceae; Turkestan Mountain, U.S.S.R.; Silurian. ING
- PSEUDOTIELENGELLA** Liang and Tsao, 1974  
*Pseudotielengella chihsiensis* Liang and Tsao, 1974, p. 14, pl. 6, fig. 6; alga, Corallinaceae; China; Sinian.
- PSEUDOVERMIPORELLA** Elliott, 1958  
*Pseudovermiporella sodalica* Elliott, 1958, p. 419, pl. 1, figs. 1-6; pl. 2, figs. 2-6; pl. 3, figs. 1-4, 7; Dasycladaceae; Jebel Qamar, Oman; Permian. ING
- PTEROSPERMOPHYLLUM** Rasky, 1962  
*Pterospermophyllum hornafrantzenii* Rasky, K., 1962, Ann. Hist. Nat. Mus. Natl. Hung., v. 54, p. 40; leaf, Sterculiaceae; Budapest-Obuda, Hungary; upper Eocene. ING
- PTYCHODENDRON** Chachlov, 1940  
 \**Ptychodendron batofense* Chachlov, 1940, p. 511; stems, Lycopodiopsida; river Batoy near Krasnoyarsk, U.S.S.R.; Upper Devonian.
- PUERTOLLANIA** Remy and Remy, 1975  
*Puertollania sporangiostrubifera* Remy and Remy, 1975, p. 20-27, pl. 3, figs. 8-11; stem fragment, incertae sedis; Puertollano, Spain; Upper Carboniferous.
- PYCNOSTROMA** Güruch, 1906  
*Pycnostroma densius* Güruch, 1906, p. 39, pl. 4, figs. 1-2; pl. 5, figs. 1-2; pl. 20, fig. 1; stromatolite, Cyanophyceae; Namur,

Belgium; Lower Carboniferous. ING  
**PYTYS** Endlicher, 1837  
 \**Pytys* Endlicher, 1837, Gen., p. 263; foliage, cones, Coniferae; Europe; Tertiary. ING

Q

**QUASIUMBELLA** Pojarkov, 1965  
*Quasiumbella rotunda* (Bykova) Pojarkov, 1965, p. 730, fig. 3; algae, Umbellaceae; Uryupansk District, U.S.S.R.; Upper Devonian, Famennian. New name for *Umbella rotunda* Bykova, in Bykova and Polenova, 1955, p. 44, pl. 2, figs. 8-9; pl. 15, figs. 8-9. ING

**QUERCOPTERIS** Chachlov, 1948  
 \**Quercopteris sibirica* Chachlov, 1948, Trudy Tomsk. Gosud. Univ. Kujbyseva, Ser. Geol., v. 99, p. 172; leaf, incertae sedis; Kemerovskaja District, Kuznetsk Basin, U.S.S.R.; Middle Carboniferous. ING

**QUILONIA** Jain and Gupta, 1970  
*Quilonia typica* Jain and Gupta, 1970, p. 180, pl. 1, fig. 19; fungus, Microthyriaceae; Padappakara (11 km north-east Quilon), western Ghat, India; Tertiary, Miocene.

R

**RAMSAYSPHAERA** Pflug, 1976  
*Ramsaysphaera ramses* Pflug, 1976, p. 130-168, 8 pls.; organic structures; Sheba gold mine near Barberton, Ost-Transvaal, South Africa; Precambrian.

**RAMULINA** Thurmann, 1863  
*Ramulina minima* Thurmann, J., 1863, Neue Denkschr. Allg. Schwerz. Ges. Naturwiss., v. 20, no. 1, p. 448, pl. 62, fig. 17; algae; Jura Bernois, Switzerland; Upper Jurassic. ING

**RAONTHUS** Chitale and Patel, 1975  
*Raonthus intertrappea* Chitale and Patel, 1975, p. 141-149, pl. 1, figs. 1-6; pl. 2, figs. 7-11; a petrified flower; Mohgaonkalan, Chhindwara District, Madhya Pradesh, India; Upper Cretaceous.

**RECTANGULINA** Antropov, 1959  
*Rectangulina tortuosa* (Antropov) Antropov, 1959, p. 30, pl. 1, figs. 8-10; algae; near Shugurovo, Tatar, U.S.S.R.; Upper Devonian, Frasnian. New name for *Syniella tortuosa* Antropov, which was described as a foraminiferan. ING

**RENALIA** Gensel, 1976  
*Renalia hueberi* Gensel, 1976, p. 19-37, 5 pls.; rhyniophyte (seed fern); north shore

of Gaspé Bay, Quebec, Canada; Battery Point Formation, Gaspé Sandstone, Devonian.

**RETUSOCHARA** Grambast, 1971  
*Retusochara macrocarpa* Grambast, 1971, p. 28-32, pl. 24, figs. 1-6; pl. 25, figs. 1-12; charophyte, gyrogonite; Provence, southeastern France; Upper Cretaceous.

**RHIZOMITES** Paradkar, 1971  
 \**Rhizomites dakshini* Paradkar, 1971, p. 15; pteridophyte axis; India; Deccan Intertrappean beds. ING

**RHODEOPTERIDIUM** Zimmermann, 1959  
*Rhodeopteridium* (*Rhodea*) *fasciaeformis* (Presl in Sternberg) Zimmermann, 1959, p. 274, 280, 727; fernlike foliage; Uranowitz, Bohemia, Czechoslovakia; Upper Carboniferous. New name for *Rhodea Presl* in Sternberg, 1838.

**RHODOMYRTOPHYLLUM** Rüffle and Jähnichen, 1976

*Rhodomyrtophyllum tristanioides* Rüffle and Jähnichen, 1976, p. 307-336, pl. 51, figs. 1-4; stomata, fossil leaf; Kayna Süd, Saxony, Germany; Upper Eocene.

**RHYMOKALON** Scheckler, 1975  
*Rhymokalon trichium* Scheckler, 1975, p. 26-37, figs. 1-35; wood, Cladoxylales; Greene County, New York, U.S.A.; Upper Devonian.

**RIGBYA** Lacey, van Dijk, and Gordon-Gray, 1975

*Rigbya arberioides* Lacey, van Dijk, and Gordon-Gray, 1975, p. 409-411, figs. on p. 410; fructification, incertae sedis; Mooi River district, Natal, South Africa; Upper Permian.

**ROSTHORNIA** Unger  
 \**Rosthornia carinthiaca* Unger, 1842, Neues Jahrb. Mineral. Geognosie 1842, p. 174; wood, dicotyledon; Carinthia between Althofen and Guttaring, Austria; Upper Cretaceous. ING

**ROTHPLETZELLA** Alan Wood, 1949  
*Rothpletzella gotlandica* (Rothpletz) Alan Wood, 1949, p. 18-19; alga, an encrusting organism, Cyanophyceae; Baltic region; Wenlock Limestone, Silurian. New name for *Sphaerocodium gotlandicum* Rothpletz, 1913, pl. 7, fig. 3. ING

**ROWLEYA** Long, 1976  
*Rowleya trifurcata* Long, 1976, p. 467-481, 4 pls.; petrified vascular plant; Rowley tip, Burnley, Lancashire, England; Lower Coal Measures (Westphalian).

**RUGAPITES** Pant and Basu, 1977

*Rugapites spherica* Pant and Basu, 1977, p. 174, pl. 4, figs. 29-34; dispersed pollen grains; Nidpur, India; Triassic.

**RUGASPERMUM** Pant and Basu, 1977

*Rugaspermum insigne* Pant and Basu, 1977, p. 163, pl. 1, figs. 1-8; fossil seed; Nidpur, India; Triassic.

**RUGATHECA** Pant and Basu, 1977

*Rugatheca nidpurensis* Pant and Basu, 1977, p. 172, pls. 3, 4, figs. 22-34; fossil synangia; Nidpur, India; Triassic.

**RUSANGEA** Lacey, van Dijk, and Gordon-Gray, 1975

*Rusangea elegans* Lacey, van Dijk, and Gordon-Gray, 1975, p. 392-394, figs. on p. 393; seed-bearing fructification, incertae sedis; Mooi River district, Natal, South Africa; Upper Permian.

## S

**SAGENOPTERIDIUM** Stanislavsku, 1976

*Sagenopteridium inaequale* Stanislavsku, 1976, p. 120-121, pl. 68, fig. 5; pl. 69; fossil leaves; Donetz Basin, U.S.S.R.; Middle Keuper.

**SAHNIOCARPON** Chitaley and Patil, 1971

*Sahniocarpon harrisii* Chitaley and Patil, 1971, p. 288-292, pls. 1-2, figs. 1-14; dicotyledonous pentalocular, septicial fruit capsule; Mohgaon-kalan, Chhindwara District, India; Upper Cretaceous.

**SAJAKIA** Senkevitsch, 1961

*Sajakia rhomboidea* Senkevitsch, 1961, p. 181, pl. 31, figs. 3-5; leaf-cushions, Leptophloioaceae; northeastern Lake Balkhash area, U.S.S.R.; Upper Devonian.

**SAKOAROTA** Appert, 1977

*Sakoarota polyangata* Appert, 1977, p. 14-15, pl. 10, figs. 2-4; pls. 11-17; pl. 18, figs. 1-7, 9; pl. 19, fig. 4; pls. 20, 21; equisetales; Sakoa coal basin, southwest Madagascar; lower Gondwana.

**SALICOXYLON** Mädel-Angeliewa, 1968

\**Salicoxylon messinianum* (Pampaloni) Mädel-Angeliewa, 1968, Geol. Jahrb., v. 86, p. 454; wood, Salicaceae; Piemont, Italy; Pleistocene. New name for *Salicinium messinianum* Pampaloni. ING

**SALOPEKIELLA** Milanovic, 1965

*Salopekiella velebitana* Milanovic, 1965, p. 373, pls. 1-3; Dasycladaceae; Velebit Mountains, Yugoslavia; Middle and Upper Permian. ING

**SALOPELLA** Edwards and Richardson, 1974

*Salopella allenii* Edwards and Richardson, 1974, p. 315-318, pl. 40, figs. 2, 3; pl. 41, figs. 1-3; axes, Rhyniaceae; Newton Dingle, Shropshire, western England; Lower Devonian.

**SANDOELLA** Mamet and Roux, 1978

*Sandoella fowleri* Mamet and Roux, 1978, p. 74-75, pl. 3, fig. 2; dasycladacean alga; northernmost Tennessee, U.S.A.; lower Viséan.

**SANDREWIA** Mamay, 1975

*Sandrewia texana* Mamay, 1975, p. 81-82, pl. 1, figs. 1, 2; axes with leaves, incertae sedis; Baylor County, Texas, U.S.A.; Lower Permian.

**SANTHALEA** Maithy, 1975

*Santhalea bansloivensis* Maithy, 1975, p. 97-99, pl. 2, figs. 3-6; fossil leaves; Pachwara coal field, Santhal Pargana, Bihar, India; Raniganj(?).

**SAPINDACEAECARPUM** Andreanszky, 1959

\**Sapindaceaeacarpum lunulatum* Andreanszky, G., 1959, Fl. Sarmat. Stufe Ungarn, p. 156; fruit, Sapindaceae; Balaton, Hungary; Miocene, Sarmatian. ING

**SAPORTELLA** Fucini, 1936

\**Saportella* Fucini, A., 1936, Palaeontogr. Italy, ser. 2, v. 1 (App.), p. 92; algae; Monte Pisano, Italy; Wealden. ING

**SARALINSKIA** Krasnopeeva, 1933

\**Saralinskia* Krasnopeeva, P. S., 1933, Mater. Geol. Zapadno-Sibirsk. Kraja, v. 4, p. 21; stromatolith, Phaephyta; Saraly Mine, Kuznetsk Alatan Range, U.S.S.R.; Proterozoic Z. ING

**SARFATIELLA** Conrad and Peybernes, 1973

*Sarfatiella dubarii* Conrad and Peybernes, 1973, p. 302, pl. 1; pl. 2, figs. 1, 2; Dasycladaceae; Corbieres orientales, Aude, France; Middle Jurassic, Bajocian. ING

**SARMAELLA** Turonenko and Virskaia, 1962

*Sarmaella vesiculosa* Turonenko and Virskaia, 1962, p. 265, pl. 55, figs. 1-3; Cyanophyceae, Sarmaellaceae; Akshal River, tributary of Sarma River, pre-Baikal [Pribaikal?] area, U.S.S.R.; Precambrian, upper Sinian. ING

**SASHINIA** Meyen, 1978

*Sashinia aristovensis* Meyen, 1978, p. 304-306, pl. 2, fig. 15; short shoots, incertae sedis; near the village of Kuznetsovo, West Angaraland, U.S.S.R.; Upper Permian, upper Tatarian.

**SATPURIA** Sukh-Dev and Zeba-Bano, 1978

*Satpuria schoraensis* Sukh-Dev and Zeba-

- Bano, 1978, p. 500-502, pl. 2, figs. 11-19; pl. 3, figs. 25, 26; linear conifer leaves, affinities uncertain; near Sehora, Madhya Pradesh, India; Jabalpur Formation, Upper Jurassic and Lower Cretaceous.
- SAWDONIA** Hueber, 1971  
*Sawdonia ornata* (Dawson, 1871) Hueber, 1971, p. 641-642; a new name for *Psilophyton princeps* var. *ornatum*; stems, Zosterophyllaceae; Gaspé Bay, Canada; Devonian.
- SCALAROXYLON** Vogellehner, 1967  
*Scalarioxylon multiradiatum* Vogellehner, 1967, p. 216, pl. 20, figs. 5-8; wood, Cycadophytina; Röthenbach, Franken, Germany; Triassic, Keuper. ING
- SCHIMOXYLON** Kramer, 1974  
*Schimoxylon dachalense* (Kräusel) Kramer, 1974, p. 24; wood, Theaceae; Egypt and Borneo, Southeast Asia; Tertiary. New name for *Ternstroemioxylon dachalense* Kräusel, 1939, p. 91, pl. 21, figs. 1, 2.
- SCHIMPERIA** Remy and Remy, 1975  
*Schimperia binneyana* Carruth. sp. sensu Taylor, 1967, fig. 6, Remy and Remy, 1975, p. 88-90; *Calamostachys* cone; Nahe area, Germany; Middle Permian.
- SCHVEDOPTERIS** Mogucheva and Radchenko, 1973  
*Schvedopteris lobata* Mogucheva and Radchenko, in Mogucheva, 1973, p. 50-52, pl. 9, figs. 3, 4; pl. 10, figs. 1-8; ferns, (?)Schizaeaceae; left bank of the Nizhney Tunguska River, 25 km below the mouth of the Taymury River, Tunguska Basin, eastern Siberian SFSR, U.S.S.R.
- SCIADOPHYTON** Steinmann, 1928  
*Sciadophyton laxum* (Dawson) Steinmann, 1928, p. 46; incertae sedis; Canada; Lower Devonian. New name for *Anularia laxa* Dawson. ING
- SCIAROMIADELPHUS** Abramova and Abramova, 1967  
*\*Sciaromiadelphus longifolius* Abramova, A. L. and Abramova, I. I., 1967, Novosti Sist. Niz. Rast. 1967, p. 334; Musci, Amblistegiaceae. ING
- SCIRROMA** Chandra and Surange, 1977  
*Scirroma angusta* Chandra and Surange, 1977, p. 245-247, pl. 1, figs. 3-5; scale leaf; Raniganj coal field, West Bengal, India; Permian.
- SCLEROMEDULLOXYLON** Doubinger and Marguerier, 1975  
*Scleromedulloxylon aveyronense* Doubinger and Marguerier, 1975, p. 36-37, pl. 1, figs. 1-4, 7, 8; pl. 3, figs. 2, 4-7, 9; pl. 4, figs. 1-7; pl. 5, fig. 7; gymnosper-
- mous wood; St. Afrique Basin, Aveyron Department, southern France; Permian.
- SCOLEPIAEPHYLLUM** Rasky, 1962  
*\*Scolepiaephyllum protoluzonensis* Rasky, K., 1962, Ann. Hist. Nat. Mus. Natl. Hung., v. 54, p. 42; leaves, Flacourtiaceae; Hungary; Tertiary. ING
- SCOPUS** Benecke, 1976  
*Scopus gibbosus* Benecke, 1976, p. 104-105, figs. 42-45, 55-81, 85, 94; fructification; Little Tugela River, Natal, South Africa; Upper Permian.
- SCRIBROPORELLA** Spriestersbach, 1935  
*Scribroporella socialis* Spriestersbach, 1935, p. 477; Dasycladaceae; Westfalen, West Germany; Middle Devonian. Described as belonging to the Porifera, but S. Rietschel, Senckenber. Leth., v. 47, p. 94 (1966) transferred the genus to the algae. ING
- SEARSOLIA** Pant and Bhatnagar, 1975  
*Searsolia oppositifolia* Pant and Shatnagar, 1975, p. 191-198, figs. 1-3; pls. 1, 2, figs. 1-17; coniferlike foliage; Raniganj coal field, West Bengal, India; Upper Permian.
- SELLINGIA** Lorch, 1968  
*Sellingia microloba* Lorch, 1968, p. 138, pl. 5, figs. f, d, g; pl. 7, fig. 4; fertile foliage, Schizaeaceae; Makhtesh Ramon, Israel; Jurassic. ING
- SELLIPORELLA** Sartoni and Crescenti, 1962  
*Selliporella donzellii* Sartoni and Crescenti, 1962, p. 262, pl. 43, figs. 1-5; Dasycladaceae; Italy; Bajocien and Bathonien.
- SHUGURIA** Antropov, 1950  
*Shuguria flabelliformis* Antropov, 1950, p. 30; algae, Parachabakoviaceae; near Shugurovo, Tatar, U.S.S.R.; Upper Devonian, Frasnian. Originally assigned to the algae by B. I. Chuvashov in Paleontol. Zhurn., 1965, part 2, p. 144. ING
- SENGWACARPON** Lacey, 1976  
*Sengwacarbon obscurum* Lacey, 1976, pl. 2, fig. 6; cupulate fructification; Lake Kariba, Rhodesia; Molteno.
- SENIA** Khan, 1969  
*Senia reticulata* Khan, 1969, p. 335-337, pl. 1, figs. 1-3; incertae sedis; Hinjrida Ghati north of Handapa, Dhenkanal District, Orissa, India; Raniganj Stage, Upper Permian.
- SENOTHECA** Banerjee, 1969  
*Senotheca murulidihensis* Banerjee, 1969, p. 359-360, pls. 1-3, figs. 1-17; glossopteridean fructification; Murulidih

- collieries, Bihar, India; Mohuda seam, Raniganj Stage, Upper Permian.
- SERIZIA** Bertrand-Sarfati, 1972  
*Serizia radians* Bertrand-Sarfati, 1972, p. 131-133, pl. 26, figs. 1-4; stromatolite; Serize, Atar, Mauritania, west Africa; Precambrian.
- SHANDONGOCHARA** Xinlun, 1978  
*Shandongochara decorosa* Xinlun, 1978, p. 46, pl. 21, figs. 1-7; pl. 22, figs. 1, 2; pl. 23, fig. 2; charophyte; Bohai, China; lower Tertiary. (See in Bibliography: China Ministry of Petroleum and Chemistry Industry.)
- SHARTYMOPHYCUS** Kulik, 1973  
*Shartymophycus fusus* Kulik, 1973, p. 45-46, pl. 4, figs. 2-6; alga; Shartym River, U.S.S.R.; Carboniferous.
- SHUKLANITES** Singhai, 1964  
*Shuklanites decanii* Singhai, 1964, p. 117-119, figs. 1, 2; bryophytic sporogonium; Mohgaon-kalan, Chhindwara District, India; Deccan Intertrapean beds.
- SIBERIELLA** Radcenko, 1955  
*Siberiella kosmovskii* Radcenko, G. P., 1955, in Halfin, L. L., Atlas Rudoved. Form Iskop. Fauny Fl. Zapadn. Sibiri, v. 2, p. 46; frond, Schizaeaceae; Kuznetsk Basin, U.S.S.R.; Upper Carboniferous. ING
- SIBERIOPTERIS** Chachlov, 1939  
*Siberiopteris dichotoma* (Neuburg) Chachlov, V. A., 1939, Trudy Tomsk Gosud Univ. Kujbyseva, Ser. Geol., v. 96, p. 8; Filicinae; Scerbinovskoe coal mine, Kemerovo District, Kuznetsk Basin, U.S.S.R.; Carboniferous and Permian. New name for *Neuropteris dichotoma* Neuburg. ING
- SICHOTAEALINOPTERIS** Ablajev, 1974  
*Sichotaealinopteris acuminatus* Ablajev, 1974, p. 58, pl. 1, figs. 16-18; foliage, Plypodiopsida; Ustinovska, Premorskii Krai, U.S.S.R.; Danian. ING
- SINOCAPSA** Vologdin, 1958  
*Sinocapsa honanica* Vologdin, 1958, p. 26-27, pl. 4, figs. 1-2; alga, Cyanophyceae; Honan, China; Cambrian.
- SINOPHYLLUM** Sze and Lee  
*Sinophyllum sunii* Sze, H. C., and Lee, H. H., Palaeontol. Sin. Ser. A, ser. 2, v. 3, p. 12, 32; leaf, incertae sedis; I-Ping-Chang, Pahasien, China; Jurassic. ING
- SIPHONOPHYCUS** Schopf, 1968  
*Siphonophycus kestron* Schopf, 1968, p. 671, pl. 80, figs. 1-3; "alga," Oscillatoriaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.
- SKOKIA** Radcenko and Tarasova, 1969  
*Skokia crassa* Radcenko, G. P. and Tarasova, N. M., 1969, in Suhov, S. V., Trudy Sibirsk Nauk Inst. Geol. Geofiz. Mineral. Syr'ja, v. 64, p. 170; seeds, Gymnospermae; Kuznetsk Basin, U.S.S.R.; Permian. ING
- SOLENOBRASILIOXYLON** Mussa, 1978  
*Solenobrasilioxylon irinei* Mussa, 1978, p. 122-126, pl. 2, figs. 6-10; wood; Pedreira de calcario de Porangaba, Est. São Paulo, Brazil; Irati Formation, Passa Dois Group.
- SOLENOMERIS** Douville, 1924  
*Solenomeris o'gormanii* Douville, 1924, p. 169-170, 5 figs.; calcareous algae; Province of Béarn, France; lower Eocene.
- SORBITES** Philippova, 1978  
*Sorbites asiatica* Philippova, 1978, p. 127-128, pl. 10, illus. 3, 4; fossil leaves, Rosaceae; Chukotskaya River, north-eastern U.S.S.R.; Cenomanian.
- SOROSPORONITES** Mu Xinan, 1977  
*Sorosporonites parasiticus* Mu Xinan, 1977, p. 152, pl. 1, fig. 8; pl. 2, figs. 3-7; fossil fungi; Anshun of Guizhou, China; Upper Permian.
- SOSNOVIA** Stepanova, 1972  
*Sosnovia filaris* Stepanova, 1972, p. 68-69, pl. 1, figs. 1-3; algae, cyanophyta; Sosnovaya Mountain in the Batenev Ridge and Tuva, Altai-Sayan District, U.S.S.R.; Lower Cambrian.
- SPHAEROCONGREGUS** Moorman, 1974  
*Sphaerocongregus variabilis* Moorman, 1974, p. 529-536, pls. 1, 2, 3; algae, Cyanophyceae; Banff Park, Alberta, Canada; upper Precambrian. ING
- SPHAEROPHYCUS** Schopf, 1968  
*Sphaerophycus parvum* Schopf, 1968, p. 672, pl. 80, figs. 4-10; "alga," Chroococaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.
- SPHAGNOPHYLLITES** Pant and Basu, 1978  
*Sphagnophyllites triassicus* Pant and Basu, 1978, p. 346-347, pl. 2, figs. 11-13; pl. 3, figs. 14-17; bryophyte; Nidpur, Sidhi District, Madhya Pradesh, India; Triassic, middle Gondwana.
- SPINASPHAERA** Kar and Saxena, 1974  
*Spinasphaera robusta* Kar and Saxena, 1974, p. 4-5, pl. 1, figs. 7-10; alga, microplankton; Kutch, India;



- Matanomadh Formation, Paleocene.
- SPINUMBELLA** Platonov, 1974  
*Spinumbella spinifera* Platonov, 1974, p. 102-103, pl. 9, illus. 18, 19; charophyte, Umbellaceae; Pechora Basin, U.S.S.R.; upper Famennian.
- SPIRAMPHORELLA** Borza and Samuel, 1977  
*Spiramphorella carpathica* Borza and Samuel, 1977, p. 110-118, pl. 3, figs. 1-5; incertae sedis; the Stratenska Hor-natina [Mountains], Czechoslovakia; the Tisovec limestones, Karnic, Upper Triassic.
- SPIROPITYS** Goeppert, 1850  
 \**Spiropitys zobeliana* Goeppert, H. R., 1850, Naturk. Verh. Holl. Maatsch. Wetensch. Haarlem, ser. 2, v. 6, p. 246; wood, Coniferae; central Europe; Ter-tiary. ING
- SPIROXYLON** Walton, 1925  
*Spiroxylon africanum* Walton, 1925, p. 18, pl. 2, fig. 12; pl. 3, figs. 15, 16; fossil wood, araucarian in character; Arms Fontein [probably should be Harmsfontein], South Africa; horizon unknown of Karroo System.
- SQUAMELLA** White, 1978  
*Squamella australis* (White) White, 1978, p. 475-480, figs. 3-9, 14-25; fossil cone of *Glossopteris*; Flagstaff Hill, Newcas-tle, Australia; Upper Permian. New name for *Lidgettonia australis* White, 1964, pl. 22, figs. 1-5.
- SQUAMOPHYLLUM** Radcenko, 1934  
 \**Squamophyllum actaeonelloides* (Geinitz) Radcenko, G. P., 1934, Mater. Geol. Zapadno-Sibirsk Kraja, v. 13, p. 35; leaf, Cordaitales; Meretskaya, Kuznetzk, western Siberia, U.S.S.R.; Upper Per-mian. New name for *Trigonocarpus actaeonelloides* Geinitz. ING
- STAUROXYLON** Galtier, 1970  
*Stauroxylon beckii* Galtier, 1970, p. 170-177, figs. 66-72; pterophytes, incertae sedis; St. Nazaire de Laderez, France; Lower Carboniferous.
- STEPHANOSTACHYS** Neuberg ex Meyen, 1964  
*Stephanostachys borealis* Neuberg ex Meyen, 1964, p. 64, pl. 31, fig. 2; stems with sporophylls, Calamitaceae; Verhnesyrjanskoe Mine, Pechora River basin, Komi, U.S.S.R.; Lower Per-mian. ING
- STICHOSTROMIUM** Reinsch, 1881  
 \**Stichostromium* Reinsch, P. F., 1881, Neue Untersuch Mikrostruktur Steinkohle, p. 56; incertae sedis; Saxony and Bohemia and England; Car-boniferous. ING
- STOLOPHYTON** Stepanov, 1975  
*Stolophyton acyclicus* Stepanov, 1975, p. 79, pl. 2, figs. 1, 2, 4, 5; incertae sedis; outskirts of Kutnetzk Basin, U.S.S.R.; Devonian.
- STOMIOPELLITITES** Alvin and Muir, 1970  
*Stomiopeltites cretacea* Alvin, K. L. and Muir, M. D., 1970, Biol. Jour. Linn. Soc., v. 2, p. 56; mycelium with thyrothecia, Micropellaceae; Hanover Point, Isle of Wight, England; Wealden. ING
- STRATICONOPHYTON** Hofmann, 1978  
*Straticonophyton icon* Hofmann, 1978, p. 579-582, figs. 11-15; stromatolite; 50 km northeast of Chibougamau, Quebec, Canada; lower part of Albenel Forma-tion, Mistassini Group, Precambrian.
- STRIGILLOTHECA**, 1974  
*Strigillotheca fasciculata*, 1974, p. 167, pl. 129, figs. 5-7; leaflets, Coniferae; China; Carboniferous. In Paleozoic plants of China: Nanking Inst. Geol. and Palaeont., 1974 (in Chinese).
- STROBILIFER** Weigelt, 1928  
*Strobilifer frumentarius* Weigelt, 1928, p. 553, pl. 30, figs. 13, 14; Coniferae; Gera, Germany; Permian. ING
- STROBILOCHARA** Grambast, 1974  
*Strobilochara viallardi* Grambast, 1974, p. 72-73, pl. 2, figs. 1-6; charophyte; Calderón, au nord de Valera de Arriba, Spain; Maastrichtian.
- STROMATOCERIUM** Seely, 1904  
*Stromatocerium rugosum* Seely, 1904, p. 144, pl. 70; coral or alga; Isle La Motte, Vermont, U.S.A.; Ordovician, Black River Limestone. This genus was originally described by James Hall in Paleontology of New York, v. 1, p. 48, pl. 12. ING
- STYRACOXYLON** Van der Burgh, 1978  
*Styracoxylon rhenanum* Van der Burgh, 1978, p. 245-246, pl. 10, figs. 1-7; fossil wood, Styracaceae; North Rhine-Westphalia, Netherlands; Pliocene.
- SUBLEPIDODENDRON** Hirmer, 1972  
*Sublepidodendron mirabile* (Nathorst) Hirmer, 1972, p. 204; stems, Lepidoden-draceae; Camp Miller, Spitsbergen; Car-boniferous. New name for *Lepidodendron mirabile* Nathorst, 1920, p. 25, pl. 3, figs. 11a, 12a. ING
- SUGOIA** Samylyna, 1976  
*Sugoia opposita* Samylyna, 1976, p. 89-90, pl. 47, figs. 9, 10; fossil angiospermous leaves, Celastraceae; Omsukchan, Magadan District, U.S.S.R.; Cretaceous.

- SULLITHECA** Stidd, Leisman, and Phillips, 1977  
*Sullitheca dactylifera* Stidd, Leisman, and Phillips, 1977, p. 994-1002, 35 figs.; medullous pollen organ; near Cayuga, Fountain County, Indiana, U.S.A.; Staunton Formation, Middle Pennsylvania.
- SUTUROVAGINA** Chow and Tsao, 1977  
*Suturovagina intermedia* Chow Tseyen and Tsao Chengyao, 1977, p. 167, pl. 2, figs. 1-14; conifer; east China; Cretaceous.
- SYNYLCOSTROBUS** Krassilov, 1978  
*Synlycostrobos tyrmensis* Krassilov, 1978, p. 18-19, pl. 2, figs. 15-30; pl. 3, figs. 31-36; leafy shoots, cuticles, strobili, spores; Tyrna River near Alanap, Amur, Siberia, U.S.S.R.; Upper Jurassic or Lower Cretaceous (Tithonian or Berriasian).
- SYZYGIOXYLON** Kramer, 1974  
*Syzgioxylon bataviae* Kramer, 1974, p. 144-152, pl. 30, figs. 137, 138; pl. 31, figs. 139, 140, 142-144, 146; fossil wood, Myrtaceae; West-Java; Tertiary.
- SZEELLA** Vologdin, 1958  
*Szeella ordosica* Vologdin, 1958, p. 29, pl. 9, figs. 1-2; pl. 10, figs. 1-2; alga, Szeellaceae; West Ordos, Inner Mongolia; Cambrian.
- T
- TAENIOPITYS** Kräusel, 1962  
*Taeniopitys scotti* Kräusel, 1962, p. 133-138, pl. 25, figs. 1-8; pl. 26, figs. 9-15; pl. 28, fig. 22; fossil wood; South Victoria Land, Antarctica; Carboniferous and Permian.
- TAIMYRIA** Chachlov, 1964  
*Taimyria longifolia* Chachlov, V. A., 1964, Mater. Geol. Polezn. Zapadn. Sibiri, p. 114; branches with leaves, incertae sedis; Kajerkanskoe coal mine, Norilsk coal basin, northern Siberia, U.S.S.R.; Upper Carboniferous. ING
- TAJMYROPTERIS** Schwedov, 1950  
*Tajmyropteris parchanovii* Schwedov, 1950; fern foliage; Permian. Noticed in Radcyenko, 1961, Permskaia flora severa Eniseisko-Tenskogo kraia Nauchno-issled. Inst. Geol. Arktiki, Trudy, v. 103, p. 83, pl. 20, fig. 1; pl. 21, fig. 1.
- TARAVALIA** Shuyskiy, 1973  
*Taravalia frutata* Shuyskiy, 1973, p. 100-101, pl. 34, figs. 1-3; algae incertae sedis; central and southern Urals, U.S.S.R.
- TARTHENIA** Drosdova, 1975  
*Tarthenia rotunda* Drosdova, 1975, p. 300-303, pl. 1, figs. 1-5; alga, Protobangiophyceae; Mongolia; Lower Cambrian.
- TAURIDIUM** Güvenc, 1966  
*Tauridium cuvillieri* Güvenc, 1966, p. 45-47, pl. 2, figs. 1-4; alga, Codiaceae; Taurus occidentaux, Turkey; Upper Permian.
- TAVDENIA** Dorofeev, 1974  
*Tavdenia sibirica* Dorofeev, V. I., 1974, Iskopaemye Cvetkovye Rast. U.S.S.R.; seed Nymphaeaceae; Belojarka, Vaskova, western Siberia, U.S.S.R.; Oligocene. ING
- TAXOCLADUS** Vassilevskaya, 1959  
*Taxocladus tschetschumensis* Vassilevskaya, N. D., 1959, Sborn. Statej. Paleontol. Biostratigr., v. 15, p. 76, pl. 11, figs. 1-5; stem with leaves, Taxaceae; Cecuma River, Lena River basin, eastern Siberia, U.S.S.R.; Upper Jurassic. ING
- TCHIHALCHEWIA** Unger, 1863  
*Tchihalchewia byzantina* Unger, F.A.A.N., 1863, Comptes Rend. Hebd. Seances Acad. Sci., v. 56, p. 516; wood, incertae sedis; Lake Derkos, Thrace, Turkey; Tertiary. ING
- TCHUCOTOPTERIS** Vassilevskaja, 1977  
*Tchucotopteris ustinovii* Vassilevskaja, 1977, p. 252-254, pl. 12, illus. 1-4; fossil pinnate leaves, Pteridaceae; Chukotka, vicinity of Kresta Bay, upper reaches of the Nyrvakintoveyev River, U.S.S.R.; Lower Cretaceous, Albanian.
- TELEMACHUS** Anderson, 1978  
*Telemachus elongatus* Anderson, 1978, p. 61-62, pl. 2, figs. 1-15; pl. 3, figs. 1-9; pl. 6, figs. 1-3; pl. 7, figs. 1-5; cones, Coniferales; Telemachus Spruit, South Africa; Moltano Formation, Upper Triassic.
- TENUOFILUM** Schopf, 1968  
*Tenuofilum septatum* Schopf, 1968, p. 679, pl. 86, figs. 10-12; incertae sedis, "alga," Oscillatoriaceae; 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.
- TETORIA** Kimura and Sekido, 1974  
*Tetoria endoi* Kimura and Sekido, 1974, p. 23-26, figs. 1-6, pls. 1-3; bipinnate cycadean leaves; upper course of the Makkodani, a tributary of the Tetori, Ishikawa Prefecture, Japan; Lower Cretaceous.
- TETRACOCOCCOSPORIUM** Biradar and Mahabale, 1972

- Tetracoccosporium eocenum* Biradar and Mahabalé, 1972, p. 223-226, 1 pl.; fossil fungus; Mohgaon-kalan, Chhindwara District, India; Deccan Intertrapean series, Eocene.
- TETTRAGONUS** Eichwald, 1842  
 \**Tetragonus murchisonii* Eichwald, C. E. von, 1842, Urvivelt Russlands, v. 2, p. 81; incertae sedis; U.S.S.R. ING
- THAIPORELLA** Endo, 1966  
*Thaiporella kobayashii* Endo, 1966, p. 171-172, pl. 7, fig. 3; algae, Rhodophycophyta; Doi Chang Hill, northern Thailand; Upper Ordovician or Lower Silurian.
- THIBIA** Shuyskiy, 1973  
*Thibia proninae* Shuyskiy, 1973, p. 22-23, pl. 3, figs. 1-6; green algae, Dasycladaceae; western slopes of the central Urals, U.S.S.R.; Lower Devonian.
- THOMASLESLIA** Le Roux, 1975  
*Thomaslesia vereeningsis* Le Roux, 1975, p. 31-35, figs. 1, 2; sterile vegetative frond; Vereeniging, Transvaal, South Africa; Lower Permian.
- THUCHOMYCES** Hallbauer and Jahns, 1977  
*Thuchomyces lichenoides* Hallbauer and Jahns, 1977, p. 488, figs. 3-14, 24, 28-29; fossil plant of algal origin; Carletonville, South Africa; Precambrian.
- THYSANOPLANTA** Vologdin and Tilorenko, 1966  
*Thysanoplanta filamentosa* Vologdin and Tilorenko, 1966, p. 1438, figs. 2f, 4B, 6; Cyanophyceae, Thysanoplantaceae; Kurtun River, pre-Baikal [Pribaikal?] area, U.S.S.R.; Upper Precambrian. ING
- TIANZHUSHANIA** Yin and Li, 1978  
*Tianzhushania spinosa* Yin and Li, 1978, p. 95, pl. 8, fig. 13; algae incertae sedis; southwest China; Precambrian.
- TIELINGELLA** Liang and Tsao, 1974  
*Tielingella tielingensis* Liang and Tsao, 1974, p. 13-14, pl. 6, figs. 3-4; alga, Corallinaceae; China; Sinian.
- TIFOUNKEIA** Bertrand-Sarfati, 1972  
*Tifounkeia ramificata* Bertrand-Sarfati, J., 1972, p. 135, pl. 27, figs. 1-4; stromatolite; Tifounke, Atar, Mauritania, West Africa; upper Precambrian.
- TIMANOPHYTON** Senkevitch, 1959  
 \**Timanophyton lorum* Senkevitch, 1959, Devon. sup. Timan, p. 116-119, pl. 2, fig. 4; Filicophyta, incertae sedis; Timan, U.S.S.R.; Upper Devonian.
- TIRASOPHYTON** Istchenko, 1974  
*Tirasophyton europaeum* (Istchenko) Istchenko, 1974, p. 104-108, pl. 10, figs. 1-8; fossil stems with seedlike appendages; Podolia, southwest Ukrainian SSR, U.S.S.R.; Lower Devonian. New name for *Tomiphyton europaeum* Istchenko, 1968, p. 102, pl. 21, figs. 6-9.
- TOLYPORELLA** Saidakovskiy, 1960  
*Tolyporella globosa* Saidakovskiy, 1960, Biostratirafi una skhema nizhnogo Triasu Dnilrovsbko-Donelsbokoi Zaladini, Geologinij Zhurnal an U.S.S.R., v. 20, no. 6, p. 50-57, pl. 1, fig. 4a.
- TOMIELLA** Chachlov, 1939  
 \**TomIELla prostrata* Chachlov, V. A., 1939, Trudy Tomsk. Gosud Univ. Kujbys., Ser. Geol, v. 96, p. 9; leaf, Filicinae; Staraja Balahonka, Kemerovo District, Kuznetsk Basin, U.S.S.R.; Carboniferous and Permian. ING
- TORREYOXYLON** Greguss, 1967  
*Torreoyoxylon boureaui* Greguss, 1967, p. 44, pl. 32, figs. 1-11; wood, Cephalotaxaceae; Urkut, Hungary; Cretaceous, Aptian. ING
- TORMENTELLA** Pflug, 1966  
*Tormentella tubiformis* Pflug, 1966, p. 67-68, pl. 29, fig. 44; fungi; Clark Fork Quadrangle, Idaho-Montana, U.S.A.; Precambrian.
- TORTOFIMBRIA** Tsao and Zhao, 1974  
*Tortofimbria dictyotos* Tsao and Zhao, 1974, p. 72, pl. 13, fig. 1; Cyanophyta; China; Sinian. Noticed in Cao Ruiji and Zhao Wenjie, 1978, p. 16.
- TRIBOLITES** Bradley, 1964  
*Tribolites tetrastonyx* Bradley, W. H., 1964, Am. Jour. Sci., v. 262, p. 413, figs. 1-2; fungi, Hyphomycetes; Sweetwater County, Wyoming, U.S.A.; Green River Formation. ING
- TRIRADIOXYLON** Barnard and Long, 1975  
*Triradioxylon primaevum* Barnard and Long, 1975, p. 232-236, 238, pl. 1, figs. 1-8; pl. 2, figs. 9-18; pl. 3, figs. 19-25; pl. 4, figs. 30, 32-34; petrified stems and petioles, Buteoxylonaceae, incertae sedis; Oxroad Bay, East Lothian and Berwickshire, Scotland; Lower Carboniferous.
- TRIPLOSPORITE** Brown, 1848  
 \**Triplosporite* Brown, R., 1848, Proc. Linn. Soc., London, v. 1, p. 345; strobilus, Lepidophyta; Carboniferous. ING
- TRISACCOCLADUS** Archangelsky, 1966  
*Trisacocladus tigrensis* Archangelsky, 1966, p. 276-282, pl. 4, fig. 21; pl. 5, figs. 22-39; pl. 8, figs. 56-57; leafy shoots with male cones attached

Podocarpaceae; Estancia Baja Tigre, Santa Cruz Province, Argentina; Lower Cretaceous. ING

**TRITHEOPTERIS** Pant and Misra, 1977

*Trithecopteris gondwanensis* Pant and Misra, 1977, p. 79-83, pl. 3, figs. 1-6; pl. 4, figs. 1-11; pectopterid leaves; Raniganj coal field, West Bengal, India; Raniganj Stage, Lower Gondwana.

**TROCHODENDROCARPUS** Kristofovic, 1958

\**Trochodendrocarpus arcticus* (Heer) Kristofovic, A. N., 1958, Trudy Bot. Inst. Kamarova Akad. Nauk U.S.S.R., ser. 8, Paleobot., v. 3, p. 113; fruit, Trochodendrales; Atanekerdruk, Greenland; Paleocene. New name for *Nyssa arctica* Heer. ING

**TUBULITES** Bein, 1932

*Tubulites articulatus* Bein, 1932, p. 798, pl. 27, figs. 3-4; algae; upper Zechstein Limestone.

**TUDOVAKIA** Schorochova and Krassilov, 1970

\**Tudovakia papillosa* Schorochova, S. A. and Krassilov, V. A., 1970, Trias. Bespozv. Rast. Vostoka U.S.S.R., p. 108; leaf, Pteridospermae; Malinovo, Iman River basin, Premorski Territory, U.S.S.R.; Upper Triassic. ING

**TUMIELLA** Levedeva, 1940

\**Tumiella originalis* Levedeva, A. G., 1940, Trudy Nauk Konf. Izuc. Osvoenie Proizv. Sibiri, v. 2, p. 352; leaf, Filicinae; Atamanova, river Chulym, Minusinskaya Lowland, U.S.S.R.; Jurassic. ING

**TUNGUSSKIA** Chachlov, 1940

\**Tungusskia longifolia* Chachlov, V. A., 1940, Trudy Nauk Konf. Izuc. Osvoenie Proizv. Sibiri, v. 2, p. 184; leaves, incertae sedis; Bugarihta, Lower Tunguska River, U.S.S.R.; Upper Carboniferous. ING

**TURBOCHARA** Wang Zhen, 1978

*Turbochara specialis* Wang Zhen, 1978, p. 78, pl. 6, figs. 1-9; charophyte; Yangtze-Han River basin, China; Cretaceous.

**TURMIA** Brik, 1952

*Turmia angustiloba* Brik, M. I. ex Sixtel, T. A., 1952, Trudy Inst. Geol. Akad. Nauk Tadziksk. U.S.S.R., v. 2, p. 37; leaf, Bennettiales; Fam-Jagnob coal mine, Tadzikstan, U.S.S.R.; Jurassic. ING

**TURUCHANICA** Rudavskaja, 1964

*Turuchanica alara* Rudavskaja, 1964. Noticed in Timofeev, 1969, Sferomorfidy proterozoa, p. 19.

**TYRASOTAENIA** Gnivolovskaja, 1971

*Tyrasotaenia podolica* Gnivolovskaja, 1971,

pl. 11, illus. 1-5; alga; Dniester region of Podolia and Moldavia, U.S.S.R.; upper Precambrian. ING

U

**UCSUNAJPHYTON** Stepanov, 1975

*Ucsunajphyton ananievi* Stepanov, 1975, p. 80, pl. 1, fig. 1; incertae sedis; outskirts of Kuznetsk Basin, U.S.S.R.; Devonian.

**UMBELLA** Maslov, 1955

\**Umbella bella* Maslov, V. P., 1955, Trudy Vsesojuzn. Neft. Nauk Geologorazved Inst. (VNIGRI) ser. 2, v. 87, p. 37; Charophyceae, Umbellaceae; Voronezh region, U.S.S.R.; Devonian. ING

**UNCATOELLA** Xing-Xue and Chong-Yang, 1978

*Uncatoella verticillata* Xing-Xue and Chong-Yang, 1978, p. 9, pl. 1, figs. 3-7; algae incertae sedis; eastern Yunnan, southwest China; Lower Devonian.

**UNELLA** Poncet, 1974

*Unella roquellensis* Poncet, 1974, p. 78-80, pl. 15, figs. 1-6; alga, Dasycladaceae; Roquelle (Beaubigny hamlet), Manche, Armorica Massif, western France; Lower Devonian.

**URAIMELLA** Chuvashov, 1973

*Uraimella incognita* Chuvashov, 1973, p. 32-33, pl. 3, figs. 1-6; algae, Corallinaceae; western slopes of the central and southern Urals, U.S.S.R.; Upper Devonian.

**URALIA** Tchirkova-Zaleskaia, 1957

\**Uralia bella* Tchirkove-Zaleskaia, 1957, p. 86, figs. 77-79; pl. 6, figs. 29-31; pl. 25, figs. 125-126; stems; Severokamsk, U.S.S.R.; Devonian.

**URALITES** Chuvashov, 1973

*Uralites regularis* Chuvashov, 1973, p. 30-31, pl. 2, figs. 1-5; algae, Ungdarellaceae; western slopes of the central and southern Urals, eastern slope of the southern Urals, U.S.S.R.; Lower Devonian.

**URNULINELLA** Borza and Samuel, 1977

*Urnulinella andrueovi* Borza and Samuel, 1977, p. 118-119, pl. 7, figs. 1-6; incertae sedis; the Stratenska Hornatina [Mountains], Czechoslovakia; Tisovec Limestone, Karnic, Upper Triassic.

**USHIA** Kolakovski, 1965

*Ushia kamyschinensis* (Goepfert) Kolakovski, 1965, p. 127-132, pl. 12, figs. 1-4; pl. 13, figs. 1-8; Kamyshin; Paleocene. New name for *Phyllites kamyschinensis* Goepfert, 1845, in Murchison, 1845, p. 502, pl. G, fig. 1.

**USSURIOCLADUS** Krysshtofovich and Prynada, 1932

\**Ussuriocladus racema* (Halle) Krysshtofovich and Prynada, 1932, Materialy Mezozoyzskoy flore Ussiryskogo Kraya—Izv. Vses. Geop.-razved. Obep, 2, vyp. 28.

**USSURITHYRITES** Krasilov, 1967

*Ussurithyrites araucariodendri* Krasilov, 1967, p. 94, pl. 2, figs. 1–3; fungi, Ascomycetae; Krestljanka River, Siyfunsky Basin, U.S.S.R.; Lower Cretaceous. ING

V

**VAGINOPORA** Defrance, 1830

\**Vaginopora fragilis* Defrance, J. L. M. ex Blainville, H. M. D. de, 1830, Dict. Sci. Nat'l. (Levrault), v. 60, p. 405; Dasycladaceae; Parnes, Oise, France; Eocene, Lutetian. ING

**VARICAMANICOSIPHONIA** Cao Ruiji and Zhao Wenjie, 1978

*Varicamanicosiphonia quadricella* Cao Ruiji and Zhao Wenjie, 1978, p. 36–37, pl. 1, fig. 5; pl. 2, fig. 5; pl. 3, fig. 2; fossil alga; southwest China; Sinian.

**VELENOVSKIA** Knobloch, 1974

*Velenovskia opatovicensis* Knobloch, 1974, p. 171–173, pl. 1; leaf, incertae sedis; Velké Opatovice, 48 km north of Brno, Moravia, Czechoslovakia; Cenomanian.

**VENUSTROSTROBUS** Chandra and Surange, 1977

*Venustrostrobis diademus* Chandra and Surange, 1977, p. 137–140, text-fig. 10A, B; female reproductive organ; Selected Jambad colliery, Raniganj coal field, West Bengal, India; Raniganj Stage, Permian.

**VERMICULUS** Bertrand-Sarfati, 1972

*Vermiculus contortus* Bertrand-Sarfati, 1972, p. 163–166, pl. 9, figs. 1–5; problematica; Passe de Serize, Atar, Mauritania, Africa; upper Precambrian.

**VERTEXA** Semikhatov, 1978

*Vertexa termina* Semikhatov, 1978, p. 143–145, pl. 23, fig. 4; pl. 24, figs. 1–4; stromatolite; Canadian Shield; Aphebian.

**VERTICILLODESMIS** Dragastan and Misnik, 1975

*Verticillodesmis clavaeformis* Dragastan and Misnik, 1975, p. 215–220, pl. 1, figs. 1–4; algae, Valoniaceae; Vrsatec, Czechoslovakia; Upper Jurassic.

**VESICAMASSULATHUS** Stepanova, 1972

*Vesicamassulatus compositus* Stepanova,

1972, p. 69, pl. 1, figs. 4, 5; microphytolite; Srednyaya Mountain, Batenev Ridge, Altai-Sayan District, U.S.S.R.; upper Precambrian.

**VETELLA** Krylov, 1967

*Vetella uschbasica* Krylov, 1967; stromatolite; Lower Cambrian. Noticed in Schmitt, Michael, 1979, New stromatolites from the upper Precambrian of the Anti-Atlas and from the Lower Cambrian of the High Atlas, Morocco; Senckenbergiana lethaea, v. 60, nos. 1–3, p. 43.

**VETERONOSTOCAL** Schopf and Blacic, 1971

*Veteronostocale amoenum* Schopf and Blacic, 1971, p. 950–951, pl. 107, fig. 4; pl. 108, figs. 1, 2; alga; Ellery Gorge, 80 km west of Alice Springs, Northern Territory, Australia; Precambrian.

**VITEOCOXYLON** Lemoigne, 1978

*Viteocoxylon aethiopicum* Lemoigne, 1978, p. 137, pl. 3, figs. 5–8; fossil wood, Verbenaceae; Welkite region, Ethiopia; Miocene.

**VITIMIA** Vachrameev and Kotova, 1977

*Vitimia doludenkoi* Vachrameev and Kotova, 1977, p. 490–492, pl. 11, illus. 1–5; fossil leaf, Bennettiales; northwest Transbaikalia, left bank of Vitim River, above the mouth of the Baysa River, U.S.S.R.; Lower Cretaceous, upper part of Zazaizn suite.

**VITTAEPHYLLUM** Dobruskina, 1975

*Vittaephyllum hirsutum* Dobruskina, 1975, p. 127–130, pl. 12, figs. 1, 2, 5; leaves; southern Fergana, U.S.S.R.; Upper Permian and Lower Triassic. New name for *Aipteris hirsuta* Sixel, 1962, p. 320–323, pl. 10, fig. 1, pl. 11, figs. 1–5.

**VLADIMIRIELLA** Saidakovsky, 1971

\**Vladimiriella globosa* (Saidakovsky) Saidakovsky, 1971, Geol. Zhurn., v. 31, no. 3, p. 122; Charophyceae; Sumy region, Ukraine, U.S.S.R.; Lower Triassic. New name for *Tolypella globosa* Saidakovsky and figured in Saidakovsky, 1960. ING

**VOLVOXIMORPHITES** Yin and Li, 1978

*Volvoximorphites gregarius* Yin and Li, 1978, p. 90, pl. 7, figs. 1–2; Volvocaceae?; southwest China; Precambrian.

W

**WARDENSHEPPEYA** Eyde, 1970

*Wardensheppeya davisii* (Chandler) Eyde, 1970, p. 650; endocarp, Menisperm-

maceae; Sheppey, Kent, England; Eocene. New name for *Wardenia davisii*, Chandler, 1961, p. 158, pl. 16, fig. 8. ING

**WARDIAPHYLLUM** Hickey, 1977

*Wardiaphyllum daturaefolium* (Ward) Hickey, 1977, p. 150, pl. 52; pl. 53, figs. 1, 2; fossil leaves; below Glendive, Montana, U.S.A.; Fort Union Formation, Paleocene. New name for *Credneria? daturaefolium* Ward, 1887, p. 97, pl. 42, fig. 4.

**WEINMANNIOXYLON** Petriella, 1972

*Weinmannioxylon multiperforatum* Petriella, 1972, p. 195-198, pl. 4, figs. F-I; wood, Cunoniaceae; central Chubut (Cerro Bororo), southern Argentina; Tertiary.

**WILLSIOSTROBUS** Grauvogel-Stamm and Schaarschmidt, 1978

*Willsiostrobos willsii* (Townrow) Grauvogel-Stamm and Schaarschmidt, 1978, new name for *Masculostrobos willsi* Townrow, 1962, p. 25, pl. 1, figs. e, h; pl. 2, fig. i; microsporangiate fructification.

**WOODWARDITES** Goepfert, 1836

\**Woodwardites* Goepfert, H. R., 1836, Nov. Actorum Akad. Caes. Leop-Carol. Nat. Cur. 17, Suppl., p. 175; barren fronds, Filicinae; Waldenburg, Silesia, Poland. ING

X

**XYMALOXYLON** Louvet, 1975

*Xymaloxylon zeltenense* Louvet, 1975, p. 276, pl. 2, figs. 1-5; wood, Momimiaceae; Djebel Zelten, Libya, Africa; lower Miocene. ING

Y

**YENTAIYA** Vologdin, 1958

*Yentaiya liaoyangensis* Vologdin, 1958, p. 25-26, pl. 6, figs. 1-2; pl. 7, figs. 1-3; alga, Chlorophyceae; Cambrian.

**YUANIA** Sze, 1974

*Yuania stricta* Sze, 1974, p. 64, pl. 40, figs. 4-7; pl. 41, fig. 1; stems with leaflets; China; Permian. In Paleozoic plants of China: Nanking Inst. Geol. and Palaeont., 1974 (in Chinese).

Z

**ZAISSANIA** Romanova, 1971

*Zaissania monucoica* (Romanova) Romanova, 1971, Mater. 1st Fauny Fl. Kazahstana, v. 5, p. 113; leaf, Platanaceae; Kun-Keris Mountain, Zajsan Lake basin, Kazakhstan, U.S.S.R.; Paleocene. New name of *Populus monucoica* Romanova. ING

**ZALESSKIOXYLON** Lepekhina and Yatsenko-Khmelevsky, 1966

*Zallesskioxylon angustum* (Felix) Lepekhina and Yatsenko-Khmelevsky, 1966, p. 68; see Felix, 1882, p. 81; and Halle, 1911, p. 180-181, pl. 9, figs 8, 9; wood of pycnoxylic plant; New South Wales, Australia; Carboniferous. New name for *Dadoxylon angustum* Felix.

**ZEAPORA** Penecke, 1894

*Zeapora gracilis* Penecke, 1894, p. 60, pl. 10, fig. 11; alga, Dasycladaceae; Graz, Steiermark, Austria; Middle Devonian. ING

**ZELKOVOXYLON** Greguss, 1969

*Zelkovoxylon yatsenko-khmelevskyi* Greguss, 1969, p. 83, pl. 75, figs. 1-9; wood, Ulmaceae; Nogradszakal, Hungary; Miocene. ING

**ZINGIBEROPSIS** Hickey, 1977

*Zingiberopsis isonervosa* Hickey, 1977, p. 115, pl. 10, fig. 2; fossil leaves, Zingiberaceae; Stark County, North Dakota, U.S.A.; Camels Butte Member, Golden Valley Formation, lower Eocene.

**ZOSTEROSPHAERA** Schopf, 1968

*Zosterosphaera tripunctata* Schopf, 1968, p. 684, pl. 84, fig. 6; incertae sedis, "alga," Pyrrophyta(?); 40 miles east-northeast of Alice Springs, Northern Territory, Australia; Bitter Springs Formation, upper Precambrian.

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