

Index of
Generic Names
of Fossil Plants,
1966-1973

GEOLOGICAL SURVEY BULLETIN 1396



Index of Generic Names of Fossil Plants, 1966-1973

By ANNA M. BLAZER

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



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CONTENTS

	Page
Introduction -----	1
Generic index of fossil plants -----	2
Bibliography -----	35

INDEX OF GENERIC NAMES OF FOSSIL PLANTS, 1966-1973

By ANNA M. BLAZER

INTRODUCTION

This bulletin is a supplement to the "Index of Generic Names of Fossil Plants, 1820-1965," by Henry N. Andrews, Jr. (U. S. Geol. Survey Bull. 1300, 1970). It includes the names of new fossil plant genera found in the literature during the 8-year period 1966-73, and now included in the U.S. Geological Survey's Compendium Index of Paleobotany. Also included are a few names published in earlier literature but not contained in Andrews' work. (For a complete history and background of the Compendium Index, see Andrews, 1970.)

This supplement follows the same general format used in the 1970 Index, except that the titles of Russian articles are both transliterated and translated. This makes for longer individual citations, but it also expedites access to the Russian literature.

Where more than one author has chosen the same name to describe a fossil plant, the publication bearing the earliest date is the one that has been selected for inclusion in this supplement.

The method followed in obtaining necessary data has been to visit regularly the local libraries to select paleobotanical material for scanning and inclusion of pertinent material in the Compendium Index. This involves searching through approximately 18,000 pieces of geologic literature yearly in the U.S. Geological Survey Library alone; even so, a few names are missed because of the growing mass of literature.

In the interest of maintaining a complete record of paleobotanical research in the Compendium Index, it is urgent that all paleobotanists send reprints or a notation 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. 20244, U. S. A.

I have received help of many kinds during the preparation of the supplement, all of which is sincerely appreciated. Sergius H. Mamay generally supervised this work; he and Francis M. Hueber of the Smithsonian Institution assisted me with problems of fossil identification and other technicalities. For assistance in library research I thank Marjorie Arnold and Arthur D. Watt. Birute Saldukas gave valuable help in linguistic problems. The librarians of the U.S. Geological Survey and the Smithsonian Institution gave generously of their time in locating publications. I owe special thanks to Marcia Lakeman of the Geological Society of America for her advice and help in cataloguing.

GENERIC INDEX OF FOSSIL PLANTS

A

- AACHENIA** Knobloch, 1972.
Aachenia debeyi Knobloch, 1972, p. 401-405, figs. 1-10; cone, Coniferales; Upper Cretaceous; Aachen, West Germany.
- ABRUPTOPHYCUS** Vologdin, 1962.
Abruptophycus compositus Vologdin, 1962, pt. 1, p. 232-235, figs. 41-43; pl. 41, figs. 1-3; pl. 42, figs. 1, 2; stromatolite, Vesiculariaceae; Sinitian; right bank of the lower Nizhney Tunguska, about 8.5 km from the mouth, U.S.S.R.
- ACACIELLA** Walter, 1972.
Acaciella austriaca (Howchin) Walter, 1972, p. 113-123, figs. 6, 21-22, 29-32; pl. 2, figs. 3, 4; pls. 13-14; pl. 15, figs. 1, 2; stromatolite; upper Riphean (Adelaidean); Northern Territory, Australia.
- ACANTHINA** Korde, 1973.
Acanthina multiformis Korde, 1973, p. 117, pl. 4, fig. 2; pl. 5, figs. 1, 2; pl. 7, fig. 6; algae, Acanthinaceae; Lower Cambrian; Bazaikha river, eastern Sayan, U.S.S.R.
- ACHLAMYDOCARPON** Schumacker-Lambry, 1966.
Achlamydocarpon belgicum Schumacker-Lambry, 1966, p. 21-22, pls. 1-5, figs. 1-30; cone, Lepidocarpaceae; Upper Carboniferous; eastern Belgium.
- ACTINIDIOXYLON** Müller-Stoll and Mädél-Angeliewa, 1969.
Actinidioxylon princeps (Ludwig, 1860) Müller-Stoll and Mädél-Angeliewa, 1969, p. 103-108, figs. 1-3; pl. 1, figs. 1-4; pl. 2, figs. 6-9; fragments of woody twigs or branches; Pliocene; Dernbach in Westerwald, western Germany.
- ACTINOXYLON** Matten, 1968.
Actinoxylon banksii Matten, 1968, p. 776-779, figs. 1-18; progymnosperm; Middle Devonian; near Cairo, New York, U.S.A.
- ADENANTHEROXYLON** Prakash and Tripathi, 1968.
Adenantheroxylon pavoninium Prakash and Tripathi, 1968, p. 115, figs. 1, 2; wood, closely resembles the modern species *Adenantha pavonina*, Leguminosae; Tertiary; Hailakandi, Cachar district, Assam, India.
- AESCHYNOMENOXYLON** Müller-Stoll and Mädél, 1967.
Aeschynomenoxyylon tertianum (Prakash) Müller-Stoll and Mädél, 1967, p. 149-150; wood, Leguminosae; lower Tertiary; India.
- AFGHANOPOLIA** Kaever, 1969.
Afghanopolia fragilis Kaever, 1969, p. 26-30, figs. 6: 4-5. 7: 1-6; pl. 10, figs. 1-9; algae, Cymopolieae; middle Eocene; east Afghanistan.
- AGAMUS** Vologdin, 1970.
Agamus shungiticus Vologdin, 1970, p. 1165-1166, fig. 1v; unicellular

- microscopic algae, Vesiculariaceae; Precambrian; Shun'ga and Zaonezh'e villages, Karelo-Finnish SSR.
- AGARDHIELLOPSIS** Lemoine, 1966.
Agardheillopsis cretacea Lemoine, 1966, p. 203-210, pl. 1, figs. 1-4; alga, closely resembles *Agardhiella tenera*; Lower Cretaceous; Aude, Ariège, Basses-Pyrénées, southern France, and Navarre province, Spain.
- AGROSTISTACHYOPHYLLUM**
Rásky, (1965) 1966.
Agrostistachyophyllum tomharrisi Rásky, (1965) 1966, p. 264, pl. 1, fig. 1; leaves, Euphorbiaceae; upper Eocene; Budapest-Obuda, Hungary.
- ALANGIOXYLON** Awasthi, (1968) 1969.
Alangioxylon scariforme Awasthi (1968) 1969, p. 322-325; figs. 1-3; pl. 1, figs. 1, 3-6; wood, Alangiaceae; middle Tertiary; north-northwest Pondicherry, Arcot district, Madras State, India.
- ALATOCARPUS** Lele (1968) 1969.
Alatocarpus indicus Lele, (1968) 1969, p. 52-55, figs. 1, 2, 7-10; pl. 1, figs. 1-5, 12-15, a platyspermic seed; Permian; Singrauli coalfield, Uttar Pradesh, India.
- ALBERTLONGIA** Taylor, 1967.
Albertlongia incostata Taylor, 1967, p. 26-28, figs. 1, 2, pl. 9, figs. 10-17; pteridosperm seed; Middle Pennsylvanian; Carrier Mills, Illinois, U.S.A.
- ALBERTAPORELLA** Johnson, 1966.
Albertaporella involuta Johnson, 1966, p. 1386, pl. 176, figs. 2-8; green algae, Dasycladaceae; Mississippian; along South Berland River, north of Jasper National Park, Alberta, Canada.
- ALCHORNEAEPHYLLUM** Rásky, (1965) 1966.
Alchorneaephyllum chandleri Rásky, (1965) 1966, p. 264-265, pl. 1, fig. 3; leaves, Euphorbiaceae; upper Eocene; Budapest-Obuda, Hungary.
- ALDANELLA** Kolosov, 1966.
Aldanella monstrata Kolosov, 1966, p. 978, figs. 1B', 1B''; algae, Rivulariaceae; Precambrian; Olekma river basin, Yakut SSR.
- ALDANIA** Krylov, 1969.
Aldania sibirica (Jackolev, 1934) Krylov, in Krylov, Korolyuk and Siderov, 1969, p. 200-203, figs. 50, 51; pl. 37, figs. 3-5; stromatolite; Precambrian; Aldan river basin, Siberian platform, northeastern Siberia, U.S.S.R.
- ALSTAETTIA** Remy and Remy, 1969.
Alstaettia andersoni Remy and Remy, 1969, p. 91-129, figs. 1-7; pls. 20-23; stem, Matoniceae; middle Barremian; Alstaettia, Ahaus district, North Rhine-Westphalia.
- ALTERNELLA** Raaben, 1972.
Alternella hyperboerica Raaben, 1972, p. 47-49, fig. 10; pl. 29, figs. 1-4; stromatolite; lowermost Cambrian; Severnaya Zemlya and Spitsbergen.
- ALTERNIA** Vologdin, 1962.
Alternia silva Vologdin, 1962, pt. 2, p. 519-521, fig. 29; pl. 25, figs. 1-4; stromatolite, Trichostromaceae; Lower Ordovician; right bank of the Angara near Boguchany village, Krasnoyarskiy Kray, U.S.S.R.
- ALTERNICUTIS** Schneider, 1969.
Alternicutis gibba Schneider, 1969, p. 29-30, fig. 8; pl. 9, figs. 5-7; cuticle, Glumiflorae; middle Miocene; Kolenfeld Nochten, Lower Lusatia, east-central Germany.
- ALTOCHARA** Saydakovskiy, 1968.
Altochara continua Saydakovskiy, 1968, p. 103-104, pl. 15, figs. 22, 23; charophyte, fruit; Caspian depression, U.S.S.R.
- AMADOCARPUS** Novik, 1968.
Amadocarpus beschevskensis Novik, 1968, p. 199-200, pl. 51, figs. 17, 18; seed, incertae sedis; Lower Carboniferous; western outskirts of the Donets basin, U.S.S.R.
- AMADOCOPTERIS** Zalessky, 1944.
Amadocopteris rossica Zalessky, 1944, p. 190-192, fig. 3; fernlike leaf, Marattiaceae; Permian and Carboniferous; Donets basin, U.S.S.R.
- AMGAINA** Korde, 1973.
Amgaina compacta Korde, 1973, p. 158-159, pl. 30, figs. 1, 2; algae, Parachabkoviaceae; Middle Cambrian; Amga river, Yakutsk, U.S.S.R.
- AMORFIA** Rác, (1964) 1966.
Amorfia jalinki Rác, (1964) 1966, p. 85-86, pl. 8, figs. 1-5; calcareous, red algae of uncertain affinities; the San Emiliano and Lois-Ciguera Formations, Carboniferous; Leon province, northwestern Spain.
- ANDIROXYLON** Müller-Stoll and Mädel, 1967.
Andiroxylon biseriatum Müller-Stoll and Mädel, 1967, p. 126-130, figs.

- 7a, b; pl. 31, figs. 44, 45; pl. 32, figs. 48-50; pl. 33, figs. 53-56; wood, Leguminosae; Tertiary; Kenya, east Africa.
- ANGAROPHLOIOS** Meyen, 1972.
Angariphloios leclercqianus Meyen, 1972, p. 154-156, fig. 5; pl. 1, figs. 7-10; bark, lepidophyte; Carboniferous; Angaraland, Siberia, U.S.S.R.
- ANGAROPHYCUS** Vologdin, 1962.
Angarophycus depictus Vologdin, 1962, pt. 1, p. 177-180, figs. 13, 14; pl. 10, figs. 2, 3; pl. 11, figs. 1, 2; stromatolite, Lermontvaephycaceae; Sinian; right bank of the Angara river above Kamenka village, U.S.S.R.
- ANGARORADIX** Khakhlov, 1964.
Angaroradix bellis Khakhlov, 1964, p. 55-56, pl. 1, figs. 2, 3; Equisetales; upper Paleozoic; northern Siberia.
- ANGIOPORELLA** Masse, Conrad and Radoičić, 1973.
Angioporella fouryae Masse, Conrad, and Radoičić, 1973, p. 383-387, fig. 1; pl. 1, figs. 1-8, calcareous alga, Dasycladaceae; Lower Cretaceous; Bouches-du-Rhône, southeastern France.
- ANGULOCELLULARIA** Vologdin, 1962.
Angulocellularia anistoma Vologdin, 1962, pt. 2, p. 484-485, fig. 5; algae, Sajaniaceae; Lower and Middle Cambrian; Yanguda river basin, U.S.S.R.
- ANSOPORELLA** Gnilovskaya, 1972.
Ansoporella ansa Gnilovskaya, 1972, p. 116-119, fig. 51; pl. 15, fig. 2; alga, Moniliporellaceae; Middle and Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- ANTIQUOPHYTOLITHUS** Vologdin, 1962.
Antiquophytolithus filamentaris Vologdin, 1962, pt. 1, p. 262-264, fig. 58, pl. 54, figs. 1-4; stromatolite, Trichostromataceae; lower Sinian, right bank of the Angara river, Grebensky Byk, eastern slope of the Yenisey ridge, U.S.S.R.
- AOUJGALIA** Termier and Termier, 1950.
Aoujgalia variabilis Termier and Termier, 1950, in Petryk and Mamet, 1972, p. 791, 793, pl. 9, figs. 1-5; calcareous algae (originally described by Termier and Termier as a foraminifer); Lower Carboniferous; central Morocco and southwestern Alberta, Canada.
- APHRODITICODIUM** Elliott, 1970.
Aphroditicodium aurantium Elliott, 1970b, p. 329-330, pl. 62, figs. 1, 2; algae, Codiaceae; Permian, Ora Mosul, northern Iraq, Middle East.
- APHROPORELLA** Gnilovskaya, 1972.
Aphroporella gracilis Gnilovskaya, 1972, p. 72-76, figs. 32-34, pl. 4, fig. 4; pl. 5, figs. 2-4; alga, Dasycladaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- APOROTHALLUS** Krasilov, 1973.
Aporothallus ladyzhenskajae Krasilov, 1973, p. 99-100, pl. 46, figs. 58-64; pl. 47, figs. 65-74; bryophyte, Hepaticae; Upper Jurassic; Bureya basin, near the mouth of the Umalta river, U.S.S.R.
- APTEROCLADUS** Archangelsky, 1966.
Apterocladus lanceolatus Archangelsky, 1966, p. 282-286, figs. 27-28, 34; pl. 6, figs. 40-48; pl. 7, figs. 52, 55; pl. 8, figs. 68-70; gymnospermous cones and leafy twigs, Podocarpaceae; Lower Cretaceous; Santa Cruz province, Argentina.
- ARCHAEOCYCAS** Mamay, 1973.
Archaeocycas whitei Mamay, 1973, p. 687-689, fig. 1a-c; fertile organ, Cycadales; Lower Permian; Baylor County, Texas, U.S.A.
- ARCHAEOLARIX** Teslenko, 1970.
Archaeolarix argunensis Teslenko, 1970a, p. 102-104, pl. 13, figs. 1-6; twigs and small female cones, Pinaceae; Lower Cretaceous; left bank of Argun river, Pavlovka village near settlement of Nerchinskii Zavod, Transbaikalia, southeastern Siberia, U.S.S.R.
- ARCHAEOSPERMA** Pettitt and Beck, 1968.
Archaeosperma arnoldii Pettitt and Beck, 1968, p. 140-153; figs. 1-3; pls. 1-5; cupulate seed, Gymnospermae; Upper Devonian; northern Pennsylvania, U.S.A.
- ARCTOPHYTON** Schweitzer, 1968.
Arctophyton gracile Schweitzer, 1968, p. 49-55, figs. 2-4; pl. 6, figs. 2-4; pl. 7, figs. 1, 3-6; pl. 8, figs. 1-4; pl. 9, figs. 1-5; Progymnospermopsida, compared with *Aneurophyton*, *Calamophyton*, and *Hyenia*; Devonian; northern Vestspitsbergen.
- ARENARINA** Vologdin, 1962.
Arenarina columnella Vologdin, 1962, pt. 2, p. 505-508, fig. 20; pl. 17, figs. 1-3; stromatolite, Trichostromaceae; Ordovician; area of the Angara above Boguchany

- village, Krasnoyarskiy Kray, U.S.S.R.
- ASCIDIELLA** Grambast, 1966.
Ascidiella iberica Grambast, 1966, p. 2210, pl. 1, figs. 1-6; charophyte, Clavatoraceae; Lower Cretaceous; Tarragona province, Spain.
- ASPHALTINA** Mamet, 1972.
Asphaltina cordillerensis Mamet, in Petryk and Mamet, 1972, p. 795, 797, fig. 8; pl. 10, figs. 3-6; algae, South Misty Range, section 20, Mount Head Formation; Lower Carboniferous; southwestern Alberta, Canada.
- ASTRALOCAULIS** Hueber, 1971.
Astralocaulis davidii (Haris, 1929) Hueber, 1971a., p. 640-641; a new name for *Schizopodium* Harris; axes, incertae sedis; Devonian; Burdekin basin, north Queensland, Australia.
- ASTRALOPTERIS** Tidwell, Rushforth and Reveal, 1967.
Astralopteris coloradoca (Brown, 1950) Tidwell, Rushforth and Reveal, 1967, p. 237-240, 1 fig., pls. 1-6; fronds, closely related to *Drynaria*; Polypodiaceae; Cretaceous; Utah and Colorado, U.S.A.
- AURICULOPORA** Bock, 1969.
Auriculopora acrostichioides Bock, 1969, p. 101-106, figs. 164-167; ? fern, Marattiales; Triassic; Winterpock, Virginia, U.S.A.
- AUSTRALOXYLON** Marguerier, 1973.
Australoxylon teixeirae Marguerier, 1973, p. 39-43, figs. 1-4; pl. 1, figs. 1-5; pl. 2, figs. 1-4; pl. 3, figs. 1, 2 and 4; wood, Gymnospermae; Permian; Tete basin, 21 km east of Carinde, Mozambique.
- AUSTROSTROBUS** Morbelli and Petriella, 1973.
Austrostrobus ornatum Morbelli and Petriella, 1973, p. 279-288, 1 fig., pls. 1, 2; lycopsis cone; Triassic Santa Cruz province, Argentina.
- AVELINESIA** Stockmans, 1968.
Avelinesia antiqua (Dawson, 1871) Stockmans, 1968, p. 33-34, pl. 4, fig. 7; pl. 9, fig. 6; incertae sedis; Middle Devonian; Brabant Massif region, central Belgium.
- AXOTHRIX** Nagy, (1969) 1971.
Axothrix malmica Nagy, (1969) 1971, p. 306-307, 315-316, pl. 1, fig. 7; algae, incertae sedis; Upper Jurassic; Mecsek mountains, Hungary.
- AZYRTALIA** Volodgin and Drosdova, 1969.
Azyrtalia zonulata Volodgin and Drosdova, 1969a, p. 1162-1163, figs. 1-1, 4; algae, Rivulariaceae; upper Precambrian; Batenev ridge, Krasnoyarsk, central Siberia, U.S.S.R.
- B**
- BACANELLA** Pantic, 1971.
Bacanella floriformis Pantic, 1971, p. 105-108, 110-111, fig. 2; pls. 1-3; alga, Codiaceae?; Middle Jurassic; left bank of the Piva river, Montenegro, southern Yugoslavia.
- BAIEROPHYLLITES** Jain and Delevoryas, 1967.
Baierophyllites florinii Jain and Delevoryas, 1967, p. 577-578, pl. 95, figs. 1-5; pl. 96, figs. 1-3; cuticle and leaf compressions, Ginkgoaceae; Middle Triassic; Minas de Petroleo, southwest of Mendoza, western Argentina.
- BALIOSPERMOPHYLLUM** Rásky, (1965) 1966.
Baliospermophyllum krauseli Rásky, (1965) 1966, p. 266, pl. 2, figs. 4, 5; leaves, Euphorbiaceae; upper Eocene; Budapest-Obuda, Hungary.
- BAMBAKIA** Anisimova, 1973.
Bambakia cyclopteroides, Anisimova, 1973a, p. 140-141, 1 fig., fernlike foliage, Middle Carboniferous; Bambak ridge, North Caucasus, U.S.S.R.
- BAPHIOXYLON** Lakhnapal and Prakash, 1970.
Baphioxylon dechampsii Lakhnapal and Prakash, 1970, p. 15-17, pl. 10, figs. 33-36; pl. 11, figs. 37, 39; wood, Leguminosae; Miocene; Lake Albert, Congo, east-central Africa.
- BAQUEROITES** Herbst, 1966.
Baqueroites padulae Herbst, 1966, p. 83-85, figs. 5-7; pl. 2, figs. 4-6; foliage, probably a "pteroid" fern; Lower Cretaceous; Santa Cruz, Patagonia, Argentina.
- BASISPHAERA** Walter, 1972.
Basisphaera irregularis Walter, 1972, p. 132-136, figs. 6, 24, 37-38; pl. 2, fig. 1; pl. 18, figs. 3, 4; pl. 19, figs. 1, 3-5; stromatolite; upper Riphean (Adelaidean); Amadeus basin, Australia.
- BAVARICUTIS** Roselt and Schneider, 1969.
Bavaricutis angustiora Roselt and Schneider, 1969, p. 82, textfig. 32,

- pl. 20, fig. 2; cuticle, ?Ginkgoales; Jurassic; Theta near Bayreuth, Bavaria, Germany.
- BEHUNINIA** Chandler, 1966.
Behuninia joannei Chandler, 1966, p. 145-149, figs. 1-12; pls. 1-4, figs. 1-43; seeds, Cycadales; Upper Jurassic, Utah, U.S.A.
- BENLIGHTFOOTIA** Lacey and Huard-Moine, 1966.
Benlightfootia mackii Lacey and Huard-Moine, 1966, p. 20, 21, fig. 2; bifid leaves, incertae sedis; Lower Permian; Wankie beds, southern Rhodesia.
- BERCHEMIOPSIS** MacGinitie, 1969.
Berchemiopsis paucidentata MacGinitie, 1969, p. 120-121, pl. 13, fig. 5; leaf, Rhamnaceae; Eocene; Wardell ranch, Rangely, Colorado, U.S.A.
- BERLINOXYLON** Müller-Stoll and Mädél, 1967.
Berlinioxylon quirogae (Schenck) Müller-Stoll and Mädél, 1967, p. 108-111, fig. 3a, b; pl. 26, figs. 9-11; pl. 27, figs. 13-16; wood, Leguminosae; Pliocene; Spanish West Sahara.
- BIGNONIACEAESPERMUM** Straus, 1969.
Bignoniaceaespermum germanicum Straus, 1969, p. 187, pl. 29, fig. 22; seed, Bigoniaceae; Pliocene; Willershausen, Germany.
- BORISIELLA** Khakhlov, 1964.
Borisiella bella Khakhlov, 1964, p. 83-84, pl. 32, fig. 127; pl. 35, fig. 137; Equisetales; upper Paleozoic, northern Siberia.
- BORLOGELLA** Vologdin, 1962.
Borlogella multigaria Vologdin, 1962, pt. 1, p. 270-271, fig. 59; pl. 58, figs. 1-5; stromatolite, Sarmallaceae; upper Sinian; Borlog river of the Burul'deyka river system, southwestern Cisbaikal, U.S.S.R.
- BRACHYSTEGIOXYLON** Lakhnopal and Prakash, 1970.
Brachystegioxylon premicrophyllum Lakhnopal and Prakash, 1970, p. 13-15, pl. 8, figs. 26-28; pl. 9, figs. 29, 31; wood, Leguminosae; Miocene; Lake Albert, Congo, east-central Africa.
- BRASENIELLA** Dorofeev, 1973.
Braseniella nymphaeoides (Dorofeev, 1958) Dorofeev, 1973, p. 110-111, pl. 12, figs. 1-3; seed, similar to Nymphaea; Oligocene; right bank of the Tavdy river, Sverdlovskaya and Tyumenskaya Oblast, U.S.S.R.
- BRAUNIA** Givulescu, 1970.
Braunia tiliaefolia (A. Braun, 1845) Givulescu, 1970, p. 242, pl. 1, figs. 1-4; pl. 2, figs. 1-4; pl. 3, figs. 1-3; epidermis, incertae sedis; Sarmatian; Oehningen, Germany.
- BULBISTROMA** Vologdin, 1962.
Bulbistroma curtotthallum Vologdin, 1962, pt. 1, p. 300-302, fig. 80; algae, Scandophyceae; middle Sinian; right bank of the Nizhney Tunguska, about 11 km from the mouth, Turukhansk region, U.S.S.R.
- BUREJOSPERMUM** Krasilov, 1972.
Burejospermum crassitestum Krasilov, 1972, p. 65-66, pl. 22, figs. 1-4, 9-14; ginkgophyte seed, Pseudotorelliaceae; Upper Jurassic to Lower Cretaceous; Bureya river basin, Khabarovsk Territory, U.S.S.R.
- BURSIPHYCAS** Vologdin, 1962.
Bursiphycas bullatus Vologdin, 1962, pt. 1, p. 230-231, fig. 39, pl. 40, fig. 2, lower part of fig. 3; stromatolite, Vesiculariaceae; Lower Cambrian; Borlog river, southwest of Cisbaikal, U.S.S.R.
- BUTEOXYLON** Barnard and Long, 1973.
Buteoxylon gordonianum Barnard and Long, 1973, p. 91-99, figs. 1-4; pl. 1, figs. 1-9; pl. 2, figs. 10-20; pl. 3, figs. 22-29; a petrified stem, Buteoxylonaceae; upper Carboniferous; Oxroad Bay, East Lothian, Scotland.

C

- CAIROA** Matten, 1973.
Cairoa lamanekii Matten, 1973, p. 621, 625, 627, figs. 14-35; axes and leaves, Progymnospermopsida; Middle Devonian; near Cairo, Green County, New York, U.S.A.
- CALKINSIA** Wolfe, 1968.
Calkinsia franklinensis Wolfe, 1968, p. 20, pl. 4, figs. 4, 8; leaves, Menispermaceae; lower Tertiary; King County, Washington, U.S.A.
- CALLANDRIUM** Stidd and Hall, 1970.
Callandrium callistophytoides Stidd and Hall, 1970, p. 398-402, figs. 1-24, the probable pollen-bearing organ of the seed fern *Callistophyton*; Pennsylvanian; Lawrence County, Illinois, U.S.A.
- CAMBRINA** Korde, 1973.
Cambrina fruticulosa Korde, 1973, p. 133-134, fig. 18; pl. 15, fig. 1; algae, Cambrinaceae; Lower Cam-

- brian; Bazaikha river, eastern Sayan, U.S.S.R.
- CANIPA** Skog, 1969.
Canipa quadrifida Skog, in Skog, Andrews, and Mamay, 1969, p. 281-286, figs. 1-9; synangial fructification, pteridosperm; Middle Pennsylvanian; Fayetteville County, West Virginia, U.S.A.
- CAREYOXYLON** Awasthi, (1969) 1970.
Careoxylon pondicherriense Awasthi, (1969) 1970, p. 70, 73, figs. 6-10; pl. 2, figs. 6, 8; wood, Lecythidaceae; Tertiary; near Pondicherry, southern India.
- CANNAITES** Trivedi and Verma, 1971.
Cannaites intertrappea Trivedi and Verma, 1971, p. 174-185, figs. 1-4; pls. 29, 30, figs. 1-12; pseudostem and root, Cannaceae; Eocene; Mohgaonkalen, Chhindwara district, Madhya Pradesh, India.
- CARINOSTROBUS** Baxter, 1971.
Carinostrobus foresmani Baxter, 1971, p. 125-128, figs. 1, 2; pls. 33-36, figs. 1-17; cone, Lycophyta; Middle Pennsylvanian; north of Hallowell, Kansas, U.S.A.
- CARPATHOPORELLA** Dragastan, 1967.
Carpathoporella occidentalis Dragastan, 1967, p. 444-446, pl. 1, figs. 7-9; calcareous algae; Upper Jurassic, and Lower Cretaceous; Mount Apuseni, Rumania.
- CATANGOPHYTON** Malich, 1966.
Catangophyton antiquum Malich, 1966, p. 1207-1209, fig. 1a-b; shoots, incertae sedis; Upper(?) Cambrian; basin of the Velmo river, left tributary of the Podkamennaya Tunguska, western part of the Siberian platform, U.S.S.R.
- CATENOPTERIS** Phillips and Andrews, 1966.
Catenopteris simplex Phillips and Andrews, 1966, p. 122-123, figs. 1-13; fernlike stem, pteridophyte; Upper Carboniferous; Lawrence County, Illinois, U.S.A.
- CATINELLA** Pflug, 1966.
Catinella polymorpha Pflug, 1966, p. 65-66, pl. 27, figs. 10-15, 17-68, 70-74; pl. 28, figs. 4, 5; ?algae, ?Cyanophyta; Precambrian; Idaho-Montana, U.S.A.
- CAUCASIA** Anisimova, 1973.
Caucasia ginkgophylloides Anisimova, 1973b, p. 138-139, 2 figs., fronds with leaves, Ginkgoales; Middle Carboniferous; north Caucasus, U.S.S.R.
- CAUDOMORPHA** Vologdin, 1962.
Caudomorpha cataphracta Vologdin, 1962, pt. 2, fig. 19; pl. 16, figs. 1-4; microscopic algae; Lower Cambrian; region of the Angara above the mouth of the Agaleevo river, U.S.S.R.
- CERCIDIPHYLLOXYLON** Prakash, Brezinová and Bůžek, 1971.
Cercidiphylloxylon kadanense Prakash, Brezinová and Bůžek, 1971, p. 110-112, pl. 36, fig. 34; pl. 37, figs. 35, 36; gymnospermous wood, Cercidiphyllaceae; Oligocene; Doupovské Hory mountains, northern Bohemia, Czechoslovakia.
- CHAPELIA** Beck and Bailey, 1967.
Chapelia campbellii Beck and Bailey, 1967, p. 998-007, figs. 1-27; ?pteridosperm petiole; Upper Devonian or Lower Mississippian; near Jacob's Chapel, north of New Albany, Indiana, U.S.A.
- CHEIRORHIZA** Krasilov, 1970.
Cheirorhiza brittae Krasilov, 1970, p. 132-141, figs. 1-3; pl. 11, figs. 4-8; pl. 12, figs. 1-10; leafy liverwort, Jungermanniales; Upper Jurassic; right bank of the Bureya river; Khabarovsk Territory, eastern Siberia, U.S.S.R.
- CHLIDANOPHYTON** Gensel, 1973.
Chlidanophyton dublinensis Gensel, 1973, p. 145, figs. 1-6; pls. 33-40, figs. 1-22; plants with erect main axes bearing spirally arranged branch systems; incertae sedis (? Coenopteridopsida or ? Progymnospermopsida); Lower Mississippian; Pulaski County, Virginia, U.S.A.
- CHLUPACIA** Obrhel, 1969.
Chlupacia moravica Obrhel, 1969, p. 56-57, pl. 1, fig. 4; pl. 2, figs. 1-4; pl. 3, figs. 1, 2; woody axes, incertae sedis; Middle Devonian; Chabčív, Moravia, Czechoslovakia.
- CHOMENTOVSKIA** Vologdin, 1962.
Chomentovskia vesiculosa Vologdin, 1962, pt. 2, p. 516-518, figs. 27, 28a, b; pl. 22, fig. 3; pl. 24, figs. 1-3; stromatolite, Trichostromaceae; Ordovician; left bank of the Angara about 4 km above Boguchany village, Krasnoyarskiy Kray, U.S.S.R.
- CHOMUSTACHIA** Korde, 1973.
Chomustachia tuberosa (= *Chabakovia tuberosa* Korde, 1961) Korde, 1973, p. 156-157, pl. 29, fig. 2; algae, Parachabakovi-

- aceae; Lower Cambrian; Kiya river, Kuznetskiy Alatau, Amga river, Yakutsk, U.S.S.R.
- CIRCONITELLA** Watson, 1969.
Circonitella knowltoni (Seward) Watson, 1969, p. 214-217, figs. 2-6; pl. 1, figs. 1-5; fruit, thallophyte; Wealden; England.
- CIRRIPHVCUS** Vologdin, 1962.
Cirriphycus ordinatus Vologdin, 1962, pt. 1, p. 244-247, figs. 47, 48; pl. 46, fig. 1; stromatolite, Telastromataceae; Sinian; lower Nizhney Tunguska, right bank, above Durnoy cape, Turukhansk area, U.S.S.R.
- CODIAEPHYLLUM** Rásky, (1965) 1966.
Codiaephyllum palaeovarigatum Rásky, (1965) 1966, p. 266, pl. 3, figs. 9-11; leaves, Euphorbiaceae; upper Eocene; Budapest-Obuda, Hungary.
- COLCHIDIA** Kolakovskii and Schakryl, 1968.
Colchidia angustissima Kolakovskii and Schakryl, 1968, p. 67-69, pl. 6, figs. 1, 2; needle petrifications and impressions, compared with *Cathaya*, Pinaceae; Miocene, Sarmatian; northern foot of the Kav-aluk upland near Barmysh and Mugudzyrkhva villages, Abkhaz, U.S.S.R.
- COLUMNARIA** Vologdin, 1962.
Columnaria turuchanica Vologdin, 1962, pt. 1, p. 235-238, fig. 44; pl. 43, figs. 1-3; stromatolite, Vesiculariaceae; Sinian; right bank of the Yenisey above Miroedikh village, Turukhansk region, U.S.S.R.
- COMPSOSTROBUS** Delevoryas and Hope, 1973.
Compsostrobus neotericus Delevoryas and Hope, 1973, p. 815-816, figs. 1-12, 14, 15, 17, 26, 27; ovulate conifer cone, Compsostriaceae; Upper Triassic; Deep River basin, North Carolina, U.S.A.
- CONCARYON** Loubiere, 1956.
Concaryon renaulti Loubiere, 1956, p. 492-494, figs. 1-3, seed, Pteridospermes-Mesocaryales; Upper Carboniferous; La Grand-Croix, south-central France.
- CONCRESCERARIA** Vologdin, 1962.
Conresceraria subrotunda Vologdin, 1962, pt. 2, p. 540-542, fig. 35; pl. 48, figs. 1-3; algae, Actinophyceae; Lower Cambrian; right bank of the Angara before the mouth of the Agraleevo river, U.S.S.R.
- CONIPORELLA** Fischer and Thierry, 1971.
Coniporella clavaeformis (d'Archaic, 1843) Fischer and Thierry, 1971, p. 28-31, figs. 2a-b, 4a-c, 5; algae, Dasycladaceae; Middle Jurassic, Aisne, France.
- CONNEXIA** Kochansky Devidé, 1970.
Connexia fragilis Kochansky-Devidé, 1970, p. 19-21, pl. 4, fig. 1; pl. 6, fig. 5; pl. 11, figs. 1-14; pl. 12, figs. 1-4; pl. 15, fig. 1; alga, Dasycladaceae; Middle Carboniferous; near Ricice village, southern Croatia, Velebit mountains, Yugoslavia.
- COPAIFEROXYLON** Müller-Stoll and Mädel, 1967.
Copaiferoxylon miqurtinum (Chai-arugi) Müller-Stoll and Mädel, 1967, p. 133-134; wood, Leguminosae; Miocene; Somaliland.
- CORBULARIA** Vologdin, 1962.
Corbularia conglutinata Vologdin, 1962, pt. 2, p. 538-540, fig. 34a, b; pl. 32, figs. 1-3; stromatolite, Actinophyceae; Lower Cambrian; area of Irkinevo, right tributary of the Angara, slightly below the mouth of the Chugumey, Krasnoyarskiy Kray, U.S.S.R.
- CORNUTULA** Korde, 1973.
Cornutulula kaltatica Korde, 1973, p. 122-123, pl. 8, fig. 2; algae, Cornutulaceae; Lower Cambrian; Bazaikha river, eastern Sayan, U.S.S.R.
- CORONICUTIS** Roselt and Schneider, 1969.
Coronicutis hartauensis Roselt and Schneider, 1969, p. 77-78, fig. 27; pl. 19, figs. 3, 4; cuticle of undetermined dicotyledon; lower Miocene; Hartau near Zittau, East Germany.
- CORYLOCARPINUS** Straus, 1969.
Corylocarpinus szafarowae Straus, 1969, p. 173-174; pl. 30, figs. 49a, 49b; angiospermous fruit; Pliocene; Willershausen, Germany.
- CORYLOXYLON** Prakash, Březinová and Bůžek, 1971.
Coryloxylon nemejci Prakash, Březinová and Bůžek, 1971, p. 116-118, pl. 40, figs. 48-52; wood, Betulaceae; Oligocene; Doupovské hory mountains, northern Bohemia, Czechoslovakia.
- CORYPHIOCARPUS** Koch, 1972.
Coryphiocarpus globoides Koch, 1972a, p. 23-28, fig. 10; pl. 4, figs. 8A-B; pl. 16, figs. 1A-C; pl. 18, figs. 1-3; seed, Coryphae; Upper Cretaceous; Nügssuaq, West Greenland.

- CORYPHOIDES** Koch, 1972.
Coryphoides poulsenii Koch 1972b, p. 7-27, figs. 2-8; pls. 1-13, and 17, fig. 2; fruit, Palmae; Upper Cretaceous; Nügssuaq, West Greenland.
- COSTICUTIS** Roselt and Schneider, 1969.
Costicutis parvicellareata Roselt and Schneider, 1969, p. 65, pl. 10, fig. 1; cuticle of the upper side of angiospermous leaves; middle Miocene; Lower Lusatia, East Germany.
- CONTEXTA** Gnilovskaya, 1972.
Contexta binata Gnilovskaya, 1972, p. 108-110, fig. 47, pl. 12, fig. 2; alga, Moniliporellaceae; Middle and Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- CRASSOFILICITES** Bock, 1969.
Crassofilicites wherryi Bock, 1969, p. 162-167, figs. 252-264; taeniopterid foliage; Triassic; Carversville, Pennsylvania, U.S.A.
- CRENATICAULIS** Banks and Davis, 1969.
Crenaticaulis cerruculosus Banks and Davis, 1969, p. 444-445, figs. 1-21, 23-31, 34-35; pteridophyte; Lower Devonian; north shore of Gaspé Bay, Gaspé Peninsula, Quebec, Canada.
- CRETACICRUSTA** Elliott, 1972.
Cretacicrusta dubiosa Elliott, 1972a, p. 501-503, pl. 100, figs. 1-4; pl. 101, figs. 1, 2; ?algae, Rhodophyta; Lower Cretaceous; Farlington, England.
- CRINITELLA** Gnilovskaya, 1972.
Crinittella radiata Gnilovskaya, 1972, p. 134-136, fig. 36; pl. 15, fig. 4; alga, incertae sedis; Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- CRISPOPHYCUS** Vologdin, 1962.
Crispophycus sibiricus Vologdin, 1962, pt. 1, p. 302-303, fig. 81; algae, Scandophycaceae; middle Sinian; right bank of the Nizhney Tunguska, about 11 km from the mouth, Turukhansk region, U.S.S.R.
- CROSSOPTERIS** Tidwell, 1967.
Crossopteris utahensis Tidwell, 1967, p. 45-48, figs. 4A, 5A-D; pl. 3, fig. 7; pl. 6, fig. 1; pl. 10, fig. 8; pinnules; Lower Pennsylvanian; Utah, U.S.A.
- CRUSTOPHYCUS** Vologdin, 1962.
Crustophycus angaricus Vologdin, 1962, pt. 1, p. 195-199, figs. 22, 23, pl. 20, figs. 1-7; pl. 21, figs. 1-3; stromatolite, Crustophycaceae; lower Sinian; right bank of the Angara river beyond Kamenska village, Krasnoyarskiy Krai, central Siberia, U.S.S.R.
- CUPRESSOCOENUS** Kilpper, 1968.
Cupressocoenus thompsonii (Brown MS in Schloemer-Jäger, 1960) Kilpper, 1968, p. 165-166; gymnospermous cones; Tertiary; Germany.
- CYANOSTROMA** Vologdin, 1962.
Cyanostroma turuchanicum Vologdin, 1962, pt. 1, p. 287-292, figs. 71-74; pl. 68, figs. 1, 2, pl. 69, fig. 1; pl. 70, figs. 1, 2; stromatolite, Plexostromataceae; middle Sinian; Nizhney Tunguska, Durnogo region, U.S.S.R.
- CYATHOFORMA** Bock, 1969.
Cyathoforma carolinensis (Emmons) Bock, 1969, p. 119-127, figs. 190-100; for *Pecopteris carolinensis* Emmons, 1856; fern, Cyathaceae; Triassic; Winterpock, Virginia, U.S.A.
- CYCADENIA** Bock, 1969.
Cycadenia elongata Bock, 1969, p. 208-213, figs. 329-337; ?cycadalean trunks; Triassic; Gwynedd, Pennsylvania, U.S.A.
- CYCLULARIA** Vologdin, 1969.
Cyclularia orbiculata Vologdin, 1969, p. 1379, fig. 4; blue-green algae, Shanganellaceae; Lower Cambrian; Ulug-Shangan canyon, Tuva, southern Siberia, U.S.S.R.
- CYNEPTERIS** Ash, 1969.
Cynepteris lasiophora Ash, 1969, p. D31-D38, figs. 15, 16; pl. 2, figs. 1-5; pl. 3, figs. 1-7; pinnate fern leaf, Cynepteridaceae; Upper Triassic; Fort Wingate area, New Mexico, U.S.A.
- CYSTOSTROMA** Vologdin, 1962.
Cystostroma varians Vologdin, 1962, pt. 1, p. 276-278, figs. 65; pl. 63, figs. 1-4; stromatolite, Sarmalaceae; upper Sinian; Burul'deyka river, western Cisbaikal, U.S.S.R.

D

- DACRYDIOXYLON** Greguss, 1967.
Dacrydioxyylon estherae Greguss, 1967, p. 34-36, pl. 22, figs. 1-14; gymnospermous wood, Podocarpaceae; lower Oligocene; Solymár, Hungary.
- DAMMAROXYLON** Schultz-Motel, 1966.
Dammaroxyylon africanum Schultz-Motel, 1966, p. 281-283, fig. 1; pl. 38, figs. 1-6; pl. 39, figs. 7-11; gymnospermous wood, Araucariaceae; Upper Cretaceous; East Pondoland, South Africa.

- DAMUDOXYLON** Maheshwari (1966) 1967.
Damudoxylon waltonii Maheshwari (1966) 1967, p. 247-250, figs. 4-7; pl. 3, figs. 15-19; gymnospermous wood; Upper Permian; West Jamburia colliery, Raniganj coalfield, Bengal, India.
- DARNEYA** Schaarschmidt and Maubeuge, 1969.
Darneya pelata Scharrschmidt and Maubeuge, 1969, p. 377-391, figs. 1-14; pl. 1, figs. 1a-3b; pl. 2, figs. 4-13; pl. 3, figs. 14a-16; male gymnospermous fructification; Lower Triassic; Darney, Vosges Department, eastern France.
- DASYCIRRIPHYCAS** Vologdin, 1962.
Dasycirriphycas fructiculosus Vologdin, 1962, pt. 2, p. 487-488, fig. 6; pl. 7, figs. 2, 3; algae, incertae sedis; Lower Cambrian; region of the upper course of the Lena, Manzurka river valley, Irkutsk Oblast, U.S.S.R.
- DECHELLYIA** Ash, 1972.
Dechellyia gormani Ash, 1972a, p. 607-613, figs. 6A-C; pls. 115-118; leafy shoot and foliage, Coniferales; ?family; Upper Triassic; mouth of Canyon de Chelly, Arizona, U.S.A.
- DICHROSTACHYOXYLON** Müller-Stoll and Mädél, 1967.
Dichrostachyoxylon acaciaeforme Müller-Stoll and Mädél, 1967, p. 138-140, fig. 10; pl. 36, figs. 74-76; wood, Leguminosae; Severin province, Rumania.
- DICTYOCLAVATOR** Grambast, 1966.
Dictyoclavator fieri (Donze, 1955) Grambast, 1966, p. 2210; charophyte, Clavatoraceae; Jurassic-Cretaceous boundary; Jura, Alpes-Maritimes regions, and Provence regions, France.
- DIECTOCHARA** Musacchio, 1971.
Diectochara andica Musacchio, 1971, p. 24-35, fig. 4; pl. 1; figs. 8-10; pl. 2, figs. 24-29; pl. 3, figs. 30-38; charophyte fructification; Lower Cretaceous; Neuquen province, Argentina.
- DIGITULARIA** Vologdin, 1962.
Digitularia inconcinna Vologdin, 1962, pt. 2, p. 530-531, 532-533, fig. 33, pl. 35, figs. 1-4; algae, Trichostromaceae; Ordovician; area of the Angara river above Boguchany village, Krasnoyarskiy Krai, U.S.S.R.
- DIKIMDINELLA** Kolosov, 1966.
Dikimdinella privica Kolosov, 1966, p. 979-980, figs. IC', IC''; algae, Anabaenaceae; Precambrian; Olékma river basin, Yakut SSR.
- DILLENIOXYLON** Gregus, 1969.
Dillenioxylon mikofalvense Gregus, 1969, p. 26-27, pl. 11, figs. 1-10; wood, close connection with Dilleniaceae; Sarmatian; Mikofalva, Hungary.
- DINOPHYTON** Ash, 1970.
Dimophyton spinosus Ash, 1970, p. 650-651, figs. 2-6; pls. 122-124; gymnospermous shoots with foliage; Texas, New Mexico, and Arizona, southwestern U.S.A.
- DISTICHOPLAX** Pia, 1934.
Distichoplax biserialis (Dieterich) Pia, 1934, p. 15-18, figs. 5-8; for *Lithothamnium biserialis* Dieterich, 1927; calcareous algae, Melo-beiseae; Eocene; eastern Iran.
- DIVERSIPHYLLUM** Bůžek, 1971.
Diversiphyllum aesculapi (Heer, 1856) Bůžek, 1971, p. 86-89, fig. 13, pl. 41, figs. 1-14; pl. 42, figs. 1-11; leaves, query Convolvulaceae; Tertiary; Petipsy area (north Bohemian basin), Czechoslovakia.
- DIVERSOCALLIS** Dragastan, 1967.
Diversocallis undulatus Dragastan, 1967, p. 450-451, pl. 8, figs. 52-56; calcareous algae; Upper Jurassic and Lower Cretaceous; Mount Apuseni, Rumania.
- DIVERSOPORELLA** Gnilovskaya, 1972.
Diversoporella cognata Gnilovskaya, 1972, p. 91-93, fig. 41; pl. 9, fig. 5; alga, Codiaceae; Middle and Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- DIXOPODOXYLON** Fairon-Demaret, 1969.
Dixopodoxylon goense Fairon-Demaret, 1969, p. 372-386, 18 figs.; fragment of a stemlike axis, incertae sedis; Middle Devonian; Goe, Belgium.
- DOLIANITIA** Millan, 1967.
Dolianitia opposita Millan, 1967, p. 5-8, pl. 1, figs. 1-5; pl. 2, fig. 1; glossopteris female fructification; Upper Carboniferous; Santa Catarina State, Brazil.
- DOLIPORELLA** Gnilovskaya, 1972.
Doliporella binata Gnilovskaya, 1972, p. 98-100, fig. 44; pl. 8, fig. 6; alga, Codiaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- DUABANGOXYLON** Prakash and Awasthi, (1969) 1970.
Duabangoxylon tertiarum Prakash and Awasthi, (1969) 1970, p. 38-40, pls. 5-6, figs. 24-32; silicified wood, compared with modern wood,

Sonneatiaceae; Tertiary; near Jaipur, Assam, India.

DUSEMBAYA Dorofeev, 1973.

Dusembaya turgaica (Dorofeev, 1963) Dorofeev, 1973, p. 107-110, pl. 12, figs. 10-15; seed, Cabomba-
caee; Oligocene; Kazakhstan, U.S.S.R.

DZERGALANELLA Genkina, 1966.

Dzergalanella dzerganensis Genkina, 1966, p. 54-55, pl. 5, figs. 4-8; foliage, Sorocaulaceae; lower Mesozoic; Issyk-Kul depression, northern Kirghiz, U.S.S.R.

DZHUNGARODENDRON M. I. Radchenko, 1967.

Dzhungarodendron novikae M. I. Radchenko, 1967, p. 38-39, pl. 8, figs. 1-5; lycopod stem; Carboniferous; Dzhungariya, southeastern Kazakhstan.

E

ECHANINIA Vologdin and Drosdova, 1969.

Echaninia mucosa Vologdin and Drosdova, 1969b, p. 440-441, figs. I-1-3; alga, Echaniniaceae; Precambrian; Batenev ridge, central Siberia, U.S.S.R.

EDDYA Beck, 1967.

Eddya sullivanensis Beck, 1967, p. 1-20, figs. 1-25; pls. 1-7; leaves and stem, query gymnosperm, incertae sedis; Upper Devonian; Pond Eddy, Sullivan County, New York, U.S.A.

ELEGANOPTERIS Mogucheva, 1969.

Eleganopteris tripannata Mogucheva, in Mogucheva and Il'ina, 1969, p. 131-135, pl., figs. 1-8; Filicales, incertae sedis; Lower Triassic; Tunguska syncline, U.S.S.R.

ELIGODENDRON Archangelsky and Le La Sota, 1966.

Eligodendron braniase Archangelsky and De La Sota, 1966, p. 17-26, fig. 1; pls. 1, 2; lycopod stem; Permian; Copacabana Peninsula, Bolivia.

EMBERGERELLA Grambast, 1969.

Embergerella cruciata Grambast, 1969, p. 879, 881, pl. 2, figs. 8a-14; charophyte, Clavatoraceae; Cretaceous; Alcalá Vega, Teruel province, Spain.

EMBERGERIXYLON Lemoigne, 1968.

Embergerixylon alpinum (Y. Lemoigne) Lemoigne, 1968, p. 155-156, pl. 13, figs. 1-5; gymnospermous wood; Upper Jurassic; Hautes-Alpes, France.

ENORMICUTIS Schneider, 1969.

Enormicutis amplicavata Schneider, 1969, p. 24-25, pl. 8, figs. 2, 3;

cuticle, Taxodiaceae; upper Oligocene; Tagebau Holzwiessig near Bitterfeld, central Germany.

ENTSOVIA Meyen, 1969.

Entsovia rarisulcata Meyen, 1969a, p. 93-96, figs. 1-3; pl. 14, figs. 1-6; teniate leaves, incertae sedis; Permian; eastern European part of the U.S.S.R.

EOHOSTIMELLA Schopf, 1966.

Eohostimella heathana Schopf, in Schopf and others, 1966, p. D71-D72; fig. 2c-r; exret axes, incertae sedis; Lower Silurian; Aroostock County, Maine, U.S.A.

EOLEPIDOLPHLOIOS M. I. Radchenko, 1967.

Eolepidophloios quadratus M. I. Radchenko, 1967, p. 39-40, pl. 9, figs. 1-3; lycopod stem; Carboniferous; Dzhungariya, southeastern Kazakhstan, U.S.S.R.

EOLITHOPORELLA Johnson, 1966.

Eolithoporella dawsoni Johnson, 1966, 1386-1386, pl. 176, figs. 9, 10; red algae, ?Solenoporaceae; Mississippian; Along South Berland River, north of Jasper National Park, Alberta, Canada.

EORHIZA Robison and Person, 1973.

Eorhiza arnoldii Robison and Person, 1973, p. 1374-1378, pls. 1-4, figs. 1-20; dicotyledonous rhizomes, order and family incertae sedis; Eocene; British Columbia, Canada.

EPIPHYTONOIDES Korde, 1973.

Epiphytonoides sanashtykgolicus Korde, 1973, p. 193-194, 197-198, pl. 40, figs. 1, 2; algae, Epiphytaceae; Lower Cambrian; Sanashtykgol river, left tributary of Abakan river, western Sayan, U.S.S.R.

EPISTACHEOIDES Petryk and Mamet, 1972.

Epistacheoides nephroformis Petryk and Mamet, 1972, p. 787, 789, 791, fig. 6; pl. figs. 1-10; algae, Etherington Formation, lower Carboniferous; southwestern Alberta, Canada.

EQUISETOPHYTON Schweitzer, 1972.

Equisetophyton praecox Schweitzer, 1972, p. 170-173, fig. 14; pl. 39, figs. 4, 5; equisetalean stem; Middle Devonian; Lindlar, Rheinland, West Germany.

ERBINA Korde, 1973.

Erbina aristata Korde, 1973, p. 142-143, fig. 24; pl. 19, figs. 1-3; pl. 20, fig. 1; algae, Erbinaceae; Lower Cambrian; Kuznetskiy Alatau, Batenev ridge, and area of Sukhaya Erba village, southeast of Dolgiy Mys mountains, U.S.S.R.

ERYTHROPHLOEOCOXYLON

Müller-Stoll and Mädél, 1967,
Erythrophloeocoxylon varians (Felix) Müller-Stoll and Mädél, 1967, p. 118-120, fig. 5; pl. 29, figs. 27, 28; wood, Leguminosae; Oligocene; West Indies.

ESTHERELLA Boersma and Visscher, 1969.

Estherella gracilis Boersma and Visscher, 1969, p. 58, figs. 2, 3; pl. 1, fig. 1; pl. 2, fig. 2; dichotomous plant, incertae sedis; Upper Permian; southern France.

EUCASPSIPHORA Cloud and Semikhatov, 1969.

Eucaspisphora paradisa Cloud and Semikhatov, 1969, p. 1039-1040, fig. 8; pl. 4, figs. 1-3; stromatolite; Paradise Creek Formation, Proterozoic, north-Western Queensland, Australia.

EUACICIOXYLON Müller-Stoll and Mädél, 1967.

Euacicioxylon bharadwajii (Navale) Müller-Stoll and Mädél, 1967, p. 137; wood Leguminosae; Tertiary; India.

EUPALAEOSTACHYA Ishchenko, 1965.

Eupalaeostachya devonica Ishchenko, 1965, p. 48-50, pl. 17, figs. 1-6; stems with sporangia, Sphenopsidea; Middle Devonian; Donets basin, Ukrainian SSR.

EXVOTARISELLA Elliott, 1970.

Exvotariseella maponi Elliott, 1970a, p. 446-449, pl. 82, figs. 1-5; pl. 83, figs. 1-5; algae, Dasycladaceae; Lower Carboniferous; Northumberland, Great Britain.

F

FALCICUTIS Schneider, 1969.

Falcicutis varians Schneider, 1969, p. 21, 22, fig. 3; pl. 5, figs. 3-5; pl. 6, figs. 1-6; cuticle, Leguminosae; middle Miocene; Upper Lusatia, east-central Germany.

FAUEROXYLON Koeniguer, 1970.

Faueroxylon princeps Koeniguer, 1970, p. 143-148, figs. 1, 2; paleoxylotomous wood; post-Eocene; Termit massif, Republic of Niger, western Africa.

FAVOPORELLA Sokač, 1968.

Favoporella annulata Sokač, 1968, p. 207-212, fig. 1; pls. 1-4; calcareous algae, Dasycladaceae; Middle Triassic; Velebit mountain, western Croatia, Yugoslavia.

FIBROSTROMA Vologdin, 1962.

Fibrostroma fibrillatum Vologdin, 1962, pt. 1, p. 261-262, fig. 57; pl. 53, figs. 1, 2; stromatolite, Tricho-

stromataceae; Sinian; Kurtun river, right tributary of the Burul'deyka river, southwestern Cisbaikal, U.S.S.R.

FILARIA Korde, 1973.

Filaria seriata Korde, 1973, p. 129-130, pl. 12, fig. 1; algae, Cambriaceae; Lower Cambrian; Bazalkha river, eastern Sayan U.S.S.R.

FILIPHYCUS Vologdin, 1962.

Filiphyucus longifolius Vologdin, 1962, pt. 2, p. 544-546, fig. 38; pl. 44, figs. 1, 2; pl. 45, figs. 1, 2a; stromatolite, Chlorophyta; Ordovician; left bank of the Angara about 4 km above Boguchany village, Krasnoyarskiy Kray, U.S.S.R.

FILLOSTROMA Vologdin, 1962.

Fillostroma moticum Vologdin, 1962, pt. 1, p. 307-309, figs. 85, 86; pl. 74, fig. 2; stromatolite, Lamellostromataceae; Lower Cambrian; Borlog river, southwestern Cisbaikal, U.S.S.R.

FINIVERSICUTIS Roselt and Schneider, 1969.

Finiversicutis papillosa Roselt and Schneider, 1969, p. 64-65, pl. 8, fig. 4; cuticle of undetermined axis, probably dicotyledonous; middle Miocene; Sedlitz, Lower Lusatia, East Germany.

FISTULELLA Korde, 1973.

Fistulella decipiens Korde, 1973, p. 217-218, fig. 10, pl. 66, fig. 2, 3; algae, Fistulellaceae; Early Cambrian; Serlig river, eastern Tannu-Ola, Tuva, U.S.S.R.

FLEXIA Vologdin, 1962.

Flexia densuscula Vologdin, 1962, pt. 2, p. 529-530, pl. 33, figs. 1-3; stromatolite, Trichostromataceae; Lower Ordovician; lower Cisan-gara and left bank of the Angara about 4 km above Boguchany village, Krasnoyarskiy Kray, U.S.S.R.

FLORINIA Sveshnikova, 1967.

Florinia vilujensis Sveshnikova, 1967, p. 186-187, pl. 12, figs. 9, 10; fragment of coniferous leaf epidermis, Taxaceae; Upper Cretaceous; Vilyui river, western Yakut SSR.

FONINIA Korde, 1973.

Foninia fasciculata Korde, 1973, p. 108-109, pl. 1, fig. 2; algae, Foni-naceae; upper Proterozoic; Kuznetskiy Alatau, Batenev ridge, U.S.S.R.

FORTOPTERIS Boersma, 1969.

Fortopteris latifolia (Zeiller, 1878) Boersma, 1969, p. 68-69, figs. 1, 2; pls. 1-4; fertile frond, fern; Upper Carboniferous; coal basin of

- the Departments Nord and Pas-de-Calais, France.
- FURCATOPORELLA** Gnilovskaya, 1972.
- Furcatoporella coalita* Gnilovskaya, 1972, p. 119-120, fig. 52; pl. 13, figs. 1-4; alga, Moniliporellaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- G**
- GALINIA** Vologdin, 1962.
- Galinia eximia* Vologdin, 1962, pt. 2, p. 521-524, fig. 30; pl. 26, figs. 1-3; pl. 27, figs. 1-3; pl. 28, figs. 1-3; pl. 32, fig. 1; stromatolite, Trichostromaceae; Lower Ordovician; Boguchany village, Krasnoyarskiy Kray, U.S.S.R.
- GEORGIANA** Walter, 1972.
- Georgiana howchini* Walter, 1972, p. 113-115, fig. 28, pl. 6, fig. 5; pl. 12, figs. 4, 5; stromatolite; Lower Cambrian or Vendian; Georgiana basin, Northern Territory, Australia.
- GETAEIA** Dragastan, (1972) 1973.
- Getaeia pontica* Dragastan, (1972) 1973, p. 82-85, figs. 7-3; alga; Lower Cretaceous; northern basin of Babadag-Dobrogea, Rumania.
- GINKGOITOCCLADUS** Krasilov, 1972.
- Ginkgoitocladus burejense* Krasilov, 1972, p. 37-38, fig. 5a-b; pl. 6, figs. 1-4, 8-10; foliage, Ginkgoaceae; Lower Cretaceous; left bank of the Bureya river below the mouth of the Adnikan river, Kabarovsk Kray, U.S.S.R.
- GLDITSIOXYLON** Müller-Stoll and Mädel, 1967.
- Gleditsioxylon columbian* (Prakash and Barghoorn) Müller-Stoll and Mädel, 1967, p. 148-149, wood, Leguminosae; Miocene; Columbia River near Vantage, Washington, U.S.A.
- GLEICHENOIDES** Kon'no, 1968.
- Gleichenoides gagauensis* Kon'no, 1968, p. 140-141, fig. LA-D; pl. 24, fig. 8; frond; Upper Mesozoic, Malaya.
- GLOMEOPHYCUS** Vologdin, 1962.
- Glomeophycus filipendulus* Vologdin, 1962, pt. 2, p. 499-500, fig. 15; pl. 11, fig. 1; stromatolite, Vesiculariaceae; Lower Cambrian; basin of the upper course of the Lena, Manzurka river valley, U.S.S.R.
- GLOSSOTHECA** Surange and Maheshwari, 1970.
- Glossotheca utakalensis* Surange and Maheshwari, 1970, p. 180-181, figs. 1-4; pl. 40, figs. 1-5; pl. 41, figs. 6-12; male fructification, Glossop-
- teridales, Upper Permian; Orissa, India.
- GLOTTOLEPIS** Bose and Srivastava, (1969) 1970.
- Glottolepis rugosa* Bose and Srivastava (1969) 1970, p. 215-216, figs. 1a-c; pl. 1, figs. 1-9; scale leaves, incertae sedis; Lower Triassic; Nidpur, Sidhi district, Madhya Pradesh, India.
- GOBICHARA** Karczewska and Ziembinska-Tworzydlo, 1972.
- Gobichara deserta* Karczewska and Ziembinska-Tworzydlo, 1972, p. 72-75, figs. 10, 11; pl. 15, figs. 1-5; pl. 16, figs. 1-6; pl. 19, fig. 1; fruit, Charophyta; lower Tertiary; Nemegt basin, Gobi Desert, Mongolia.
- GORDONOPHYTON** Korde, 1973.
- Gordonophyton distinctum* Korde, 1973, p. 198-199, figs. 21, 47, pl. 40, fig. 4; pl. 41, fig. 1; algae, Epiphytaceae; Lower Cambrian; Bayankol river, Tuva and the southern Urals, U.S.S.R.
- GORLOVELLA** Vologdin, 1970.
- Gorlovela obvoluta* Vologdin, 1970, p. 1164, fig. 1a; unicellular microscopic algae; Vesiculariaceae; Precambrian; Shun'ga and Zaonezh'e villages, Karelo-Finnish SSR.
- GOWERI** Wolfe, 1968.
- Goweri dilleri* (Knowlton, 1900) Wolfe, 1968, p. 20-21, fig. 13, pl. 7, figs. 1, 2; leaves, Menispermaceae; lower Tertiary; King County, Washington, U.S.A.
- GRENLULARIA** Vologdin, 1970.
- Grenularia borissovi* Vologdin, 1970, p. 1165, fig. 1b; alga, Agamuseae; Precambrian; Shun'ga and Zaonezh'e villages, Karelo-Finnish SSR.
- GRUNERIA** Cloud and Semikhatov, 1969.
- Gruneria biwabikia* Cloud and Semikhatov, 1969, p. 140-142, pl. 3, figs. 1-3 (also Cloud, 1965, figs. 1, 2); stromatolite; Proterozoic; Minnesota, U.S.A.; Ontario, Canada; and western Australia.
- GUPTIORACHIS** Sharma, 1971.
- Guptiorachis amarjolense* Sharma, 1971, p. 150-151, fig. 1; pl. 1A-E; fern petioles; Middle Jurassic; Armajola, Rajmahal Hills, Bihar, India.
- GUPTIOXYLON** Sharma, 1969.
- Guptioxylon amarjolense* Sharma, 1969, p. 145-153, table 1; figs. 1-5; pl. 26, figs. 1-7; pl. 27, figs. 8-12; pl. 28, figs. 13-18; wood, having correlations with both Pentoxyleae and Medulloseae; Jurassic; Armajola, Rajmahal Hills, India.

- GUSICHIA** Chirkova-Zalesskaya, 1959.
Gusichia furcata Chirkova-Zalesskaya, 1959, p. 76-77, fig. 56, sporangia, incertae sedis; Devonian; Ural-Volga areas, U.S.S.R.
- GUTTOPORELLA** Gnilovskaya, 1972.
Guttoporella densa Gnilovskaya, 1972, p. 132-134, fig. 55; pl. 15, fig. 3; alga, incertae sedis; Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- H
- HALLETHECA** Taylor, 1971.
Halletheca reticulatus Taylor, 1971, p. 300-307, figs. 1-16; pteridosperm; Pennsylvanian; Berryville, Lawrence County, Illinois, U.S.A.
- HARLANJOHNSONELLA** Elliott, 1968.
Harlanjohnsonella annulata Elliott, 1968, p. 494-495, pl. 93, figs. 1, 2; pl. 94, figs. 1, 2; algae, Dasycladaceae; Upper Cretaceous; Zlatibor area, southwestern Serbia, Yugoslavia.
- HARRISOCARPON** Chitaley and Namburdi, 1973.
Harrisocarpon sahnii Chitaley and Namburdi, 1973, p. 36-41, figs. 1-4; pl. 1, figs. 1-6; dicotyledonous fruit, incertae sedis; ?uppermost Cretaceous; Mohgaon-kalan, Chhindwara district, Madhya Pradesh, India.
- HARRISOSTROBUS** Chitaley and Sheikh, 1973.
Harrisostrobos intertrappea Chitaley and Sheikh, 1973, p. 25-30, figs. 1-7; pls. 10, 11; gymnospermous cone; Deccan Intertrappean Series, uppermost? Cretaceous; Mohgaon-kalan, Chhindwara district, Madhya Pradesh, India.
- HELICONIAITES** Trivedi and Verma, 1972.
Heliconiaites mahgoanensis Trivedi and Verma, 1972, p. 74-79, figs. 1-4; pls. 46-48, figs. 1-16; monocotyledonous leaf; lower Eocene; Madhya Pradesh, India.
- HEMIPHYLLUM** Lemoine, 1969-70.
Hemiphyllyum atacicum Lemoine, 1969-70, p. 169-172, pl. 3, figs. 1, 2; pl. 4, figs. 1, 2; pl. 5, fig. 2; coralline algae; Cretaceous; southern France.
- HERAKELLA** Kochansky-Devidé, 1970.
Herakella paradoxa Kochansky-Devidé, 1970, p. 21-25, pl. 5, fig. 1; pl. 12, figs. 4-9; pl. 13, figs. 1-11; pl. 14, figs. 1-13; pl. 15, figs. 1, 2; algae; Middle Carboniferous; near Ričice village, southern Croatia, Velebit mountains, Yugoslavia.
- HETEROPORELLA** Praturlon, 1966.
Heteroporella lepina Praturlon, 1966, p. 202-205, fig. 1, pls. 51, 52; calcareous algae, Dasycladaceae; Upper Cretaceous; central Apennines, Italy.
- HILLISTROBUS** Chandler, 1966.
Hillistrobos axelrodi Chandler, 1966, p. 158-161, figs. 29-32; pls. 8, 9, figs. 80-87; cones, ?Taxodiinae; Upper Jurassic; Utah, U.S.A.
- HISSARELLA** Sikstel', 1966.
Hissarella schamolensis Sikstel', 1966, p. 25-27, pl. 10, figs. 1-11; pteridophyll, incertae sedis; Upper Permian and Lower Triassic; Khanaka river valley, Mt. Gissar, Tadzhik SSR.
- HOLIGARNOXYLON** Prakash and Awasthi, (1969) 1970.
Hologarnoxylon assamicum Prakash and Awasthi, (1969) 1970, p. 35-36, pls. 1-3, figs. 6-14; silicified wood, compared with modern wood, Anacardiaceae; Tertiary, near Jaipur, Assam, India.
- HORNIELLA** Shaykin, 1966.
Horniella robertsi (Peck, 1934) Shaykin, 1966, p. 158-160, fig. 2a, b; charophyte, Characeae; Columbia, Missouri, U.S.A.
- I
- IBYKA** Shog and Banks, 1973.
Ibyka amphikomoma Skog and Banks, 1973, p. 366-378, figs. 1-24; pro-artoarticulate; upper Middle Devonian; New York State, U.S.A.
- IDANOTHEKION** Millay and Eggert, 1970.
Idanothekion glandulosum Millay and Eggert, 1970, p. 51-58, figs. 1-24; ?pteridosperm male fructification; Middle Pennsylvanian; Williamson County, Illinois, U.S.A.
- INGOXYLON** Müller-Stoll and Mädler, 1967.
Ingoxylon sahnii (Ramanujam) Müller-Stoll and Mädler, 1967, p. 111-112; wood, Leguminosae; Miocene or Pliocene; southern India.
- INOPINATELLA** Elliott, 1971.
Inopinatella lawsoni Elliott, 1971, p. 637-641, figs. 1-6; pl. 120, figs. 1-3; pl. 121, figs. 1-3; algae, incertae sedis; Upper Silurian; near Aymestry Church, Shropshire, England.
- INTERMURELLA** Elliott, 1972.
Intermurella scotia Elliott, 1972, p. 361-362, pl. 3, fig. 3; pl. 4, figs.

1-4; green algae, Dasycladaceae; Upper Ordovician; Girvan, Ayrshire, Scotland.
INTEXTULELLA Petryk, 1972.
Intextulella agglomerata Petryk, in Petryk and Mamet, 1972, p. 797, 798, fig. 9; pl. 2, figs. 8, 9; algae; Livingston Formation, Lower Carboniferous; southwestern Alberta, Canada.

INTUTICUTIS Schneider, 1969.
Intuticutis pulchra Schneider, 1969, p. 20, 21, pl. 5, figs. 1, 2; cuticle of upper side of leaf, dicotyledon; middle Miocene; Upper Lusatia, east-central Germany.

ISOBERLINEOXYLON Lakhnapal and Prakash, 1970.

Isobertineoxylon congoense Lakhnapal and Prakash, 1970, p. 10-12, pl. 6, figs. 19-21; pl. 7, figs. 22, 24; wood, Leguminosae; Miocene; Lake Albert, Congo, east-central Africa.

ISODICTYOPTERIDIUM Rigby, 1972.

Isodictyopteridium walkomii Rigby, 1972, p. 9-10, figs. F, H, I; ?fructification, incertae sedis; Permian; central Queensland, Australia.

ISOETODENDRON Bock, 1969.
Isoetodendron striata Bock, 1969, p. 51-52, figs. 97-101; tree-like stem, Isoetales; Triassic; Winterpock, Virginia, U.S.A.

J

JARENGA Vakhrameev, 1968.
Jarenga rosanovii Vakhrameev, 1968, p. 8-10, figs. 1, 2; pl. 1, figs. 1-8; fern; Middle Jurassic; Yarenga river, right tributary of the Vy-chery River, northern part of the Russian platform, U.S.S.R.

JENSSENSISPERMUM Chandler, 1966.

Jenssensispermum redmondi Chandler, 1966, p. 151-156, figs. 14-28; pls. 5, 6, figs. 47-74; seeds, ?Cycadophyte; Upper Jurassic; Utah, U.S.A.

K

KADVOYA Korde, 1973.
Kadvoja mirabilis Korde, 1973, p. 141-142, fig. 25; pl. 17, figs. 3-5; pl. 18, fig. 1; algae, Kadvoaceae; Lower Cambrian; Kadvoj river, eastern Tannu-Ola, Tuva, U.S.S.R.

KAMAENA Antropov, 1967.
Kamaena delicata Antropov, 1967, p. 123-124, pl. 28, figs. 1-3; algae, Siphonales; Devonian and Lower

Carboniferous; central part of the east Russian platform, U.S.S.R.

KANDYRIA Sikstel', 1971.

Kandyria vasilkovskiyi (Sikstel') Sikstel', in Sikstel' and others, 1971, p. 67-69, pl. 30, figs. 2-5; pl. 31, figs. 1-6; tree-fern; Carboniferous; left bank of the Angren river, Uzbekistan, U.S.S.R.

KANKAKEEA Pfefferkorn, 1973.

Kankakeea grundyi Pfefferkorn, 1973, p. 143-151, 2 figs., pls. 25, 26; buds for vegetative reproduction, ferns; Carboniferous; Illinois and Indiana, U.S.A.

KARINOPTERIS Boersma, 1972.

Karinopteris daviesii (Kidston) Boersma, 1972, p. 73-74, 82, 129-134, figs. 14a, b; pls. 28-31; for *Mariopteris daviesii* Kidston, 1925, p. 641, pl. 146, figs. 1, 1a; fern-like foliage; incertae sedis; Carboniferous; South Wales.

KATASIOPTERIS Radchenko, 1967.

Katasiopteris lebedevii Radchenko, in Vladimirovich and others, 1967, p. 26-27, fig. 5; fern; Lower Triassic; Kuznets and Tunguska basins, central Siberia, U.S.S.R.

KATERNIA Cloud and Semikhatov, 1969.

Katernia africana Cloud and Semikhatov, 1969, p. 1046-1047, pl. 3, figs. 4, 5, (also illus. in Young, 1932, 1934 and Young and Mendelsson, 1948); stromatolite; Proterozoic; South Africa and Medicine Bow Mts., Wyoming, U.S.A.

KAULANGIOPHYTON Gensel and Kasper, 1969.

Kaulangiophyton akantha Gensel and Kasper, in Gensel, Kasper and Andrews, 1969, p. 265-275, figs. 1-8; branches, shoots with fertile sporangia, Zosterophyllophytina of Banks; Lower Devonian; northern Maine, U.S.A.

KCHONOMAKIDIUM Shevedov, 1962.

Kchonomakidium srebrodolskiae Shvedov, 1962, p. 59-61, fig. 1; pl. 1, figs. 1-6; pteridophyll, incertae sedis; Lower Triassic; Khantayskoye lake, Noril'sk region, Krasnoyarskiy Kray, U.S.S.R.

KEEGA Wray, 1967.

Keega australe Wray, 1967, p. 16-19, fig. 6; pl. 3, figs. 1-6; algae, incertae sedis; Upper Devonian; Canning basin, Western Australia.

KENELLA Korde, 1973.

Kenella ornata Korde, 1973, p. 216, fig. 9; pl. 65, fig. 4; pl. 66, fig. 1; algae, Kenellaceae; Abakan river basin, Srednyaya Kenya river, western Sayan, U.S.S.R.

- KENELLA** Samylina, 1968.
Kenella harrisiana Samylina, 1968, p. 211-212, fig. 2G; pl. 1, figs. 11-13; fruit, incertae sedis; Lower Cretaceous; Omuskhchan, Kolyma basin, eastern Siberia, U.S.S.R.
- KETOVIA** Vladimirovich, 1972.
Ketovia furcata Vladimirovich, 1972, p. 96, pl. 2, figs. 1, 4; fern-like foliage; Middle Triassic; Orenburg, Ural region, U.S.S.R.
- KOILOSPHEENUS** Bohlin, 1971.
Koilosphenus cuneifolius Bohlin, 1971, p. 47-48, pl. 7, fig. 4; drawing pl. 81-90, figs. 90A-D; shoot with apex and foliage, Noeggerathiales; upper Paleozoic; Yüerhung, Kansu, China.
- KOLYMELLA** Samylina and Filipova, 1970.
Kolymella raevskii Samylina and Filipova, 1970, p. 92-94, figs. 1, 2; pl. 12, figs. 6, 7; fern, ?Pteridaceae; Cretaceous; northeastern U.S.S.R.
- KOSTINOPHYCUS** Vologdin, 1962.
Kostinophycus irregularis Vologdin, 1962, pt. 2, p. 493-494, fig. 10; pl. 10, fig. 2; algae, Sarmaellaceae; Lower Cambrian; right bank of the Yenisey, above Kostino village, Krasnoyarskiy Kray, Turukhansk region, U.S.S.R.
- KOSVOPHYTON** Korde, 1973.
Kosvophyton uralicum Korde, 1973, p. 206-207, pl. 64, fig. 1; algae, Epiphytaceae; Upper Silurian and Lower Devonian; Kos'va river, northern Urals; right bank of the Kolonga river, 0.5 km beyond the mouth, southern Urals, U.S.S.R.
- KOVALIA** Teslenko, 1970.
Kovalia grandifolia Teslenko, 1970, p. 183-185, pl. 48, figs. 1, 2; pl. 52, fig. 3; leaves, incertae sedis; Jurassic; right bank of the Tom river, Kuznets basin, U.S.S.R.
- KRAUSELCLADUS** Yoshida, 1970.
Kräuselcladus canoinhensis Yoshida, 1970, p. 7-10, pl. 1, figs. 1-3; pl. 2, figs. 1-4; conifer shoots; Permian; northern Santa Catarina State, Brazil.
- KRAUSELICUTIS** Schneider, 1969.
Krauselicutis punctata Schneider, 1969, p. 23-24, pl. 7, figs. 4, 5; cuticle, ?Magnoliales; middle Miocene; Lower Lusatia, east-central Germany.
- KREJCIELLA** Ochrhel, 1968.
Krejciella putzkeri Ochrhel, 1968b, p. 463-464, pl. 1, figs. 1-5; query, lycopod; Ordovician; Praha-Dolní Sárka-Tal, nördl. vom Friedhof, central Bohemia, Czechoslovakia.
- KRITHODEOPHYTON** Edwards, 1968.
Krithodeophyton croftii Edwards, 1968, p. 684, pls. 130-132, branching axes, fructification, Enigmophyton; Lower Devonian; South Wales, Great Britain.
- KUNDATIA** Korde, 1973.
Kundatia composita Korde, 1973, p. 120-121, fig. 2; pl. 7, figs. 1-5; pl. 8, fig. 1; algae, Kundatiaceae; Lower Cambrian; Kiya river, Kuznetskiy Alatau, U.S.S.R.
- KUPRIANOVAITES** Namburdiri, 1969.
Kuprianovaites deccanii Namburdiri, 1969, sporocarp, incertae sedis; Paleocene; Mohgaon Kalan, Chhindeara district, Madhya Pradesh, India.
- KYMALITHON** Lemoine and Emberger, 1967.
Kymalithon belgicum (Fosile, 1909) Lemoine and Emberger, 1967, p. 3-14, pls. 1-4; algae; Lower Cretaceous; southwestern France.
- KYZASSIA** Korde, 1973.
Kyzassia formosa Korde, 1973, p. 123-124, pl. 9, figs. 1, 2; algae, Cornutulaceae; Lower Cambrian; western Sayan, U.S.S.R.

L

- LACUNIDERMA** Krasilov, 1973.
Lacuniderma meyenii Krasilov, 1973a, p. 109, pl. 22, figs. 41-48; cuticle, incertae sedis; Upper Cretaceous; town of Mgachi, western coast of northern Sakhalin.
- LAMELLOPHYCUS** Vologdin, 1962.
Lamellophycus aculeatus Vologdin, 1962, pt. 1, p. 180-185, figs. 15-17; pl. 12, figs. 1-4; stromatolite, Lermontovaephyceae; middle Siniian; right bank of the Nizhney Tunguska, second Kamen' promontory, U.S.S.R.
- LAMELLOSTROMA** Vologdin, 1962.
Lamellostroma vesiculara Vologdin, 1962, pt. 1, p. 303, 305, figs. 82, 83a; pl. 74, fig. 1; stromatolite, Lamellostromataceae; Lower Cambrian; Borlog river, southwestern Cisbaikal, Burul'deyka river basin, U.S.S.R.
- LANGCAMIA** Srebrodolskaya, 1969.
Langcamia zeileri Srebrodolskaya, 1969, p. 91-94, fig. 4; pl. 2, figs. 3, 4; foliage, Filicinae, incertae sedis; Upper Triassic; northern Viet Nam.
- LANGOXYLON** Stockmans, 1968.
Langoxylon asterochlaenoidum Stockmans, 1968, p. 25-29, fig. 6;

- pl. 10, figs. 1-1d; pl. 11, figs. 2, 3; pl. 12, figs. 1-8; wood, coenopteris; Middle Devonian; Brabant Massif region, central Belgium.
- LANNEOXYLON** Prakash and Tripathi, 1967.
- Lanneoxylon grandiosum* Prakash and Tripathi, 1967, p. 462-463, figs. 1-3; wood, Anacardiaceae; Tertiary; Mikir hills, Assam, India.
- LAPPACARPUS** Douglas, 1969.
- Lappacarpus aristata* Douglas, 1969, p. 225-228, figs. IV: 5-6; pl. 42, figs. 5, 8; pl. 43, figs. 1-5; pl. 44, fig. 2; reproductive organ, angiosperm; Lower Cretaceous; Yangery Bore, Victoria, Australia.
- LASIOSTROBUS** Taylor, 1970.
- Lasiostrobus polysacci* Taylor, 1970, p. 670-688, figs. 1-48; gymnosperm male cone; Upper Pennsylvanian; Lawrence County, southeastern Illinois, U.S.A.
- LATERICUTIS** Roselt and Schneider, 1969.
- Latericutis fragmentata* Roselt and Schneider, 1969, p. 62, pl. 9, fig. 5; cuticle, monocotyledon, Palmae of Glumiflorae; Miocene; Lower Lusatia, East Germany.
- LATICAULINA** Krasilov, 1970.
- Laticaulina papillosa* Krasilov, 1970, p. 141-142, pl. 11, figs. 1-3; leafy liverwort, Jungermanniales; Upper Jurassic; right bank of the Bureya river, Khabarovsk Territory, eastern Siberia, U.S.S.R.
- LAURACEOPHYLLODERMA** Giessen, 1971.
- Lauraceophylloderma ebenoides* (Engelhardt) Giessen, 1971, p. 49-50, fold-in pl. 9; figs. 1a-c; pl. 13, figs. 6-8; pl. 14, figs. 1-3; leaf; Lauraceae; Eocene; near Darmstadt, West Germany.
- LAUSATICUTIS** Roselt and Schneider, 1969.
- Lausaticutis rugosa* Roselt and Schneider, 1969, p. 66-67, fig. 17; pl. 11, figs. 3-5; cuticle of an undetermined angiosperm; middle Miocene; Klettwitz, Lower Lusatia, East Germany.
- LECLERCQIA** Banks, Bonamo and Grierson, 1972.
- Leclercqia complexa* Banks, Bonamo and Grierson, 1972, p. 35-36, pl. 1 figs. 1-48; slender herbaceous lycopod; Protolpidodendraceae; Panther Mountain Formation; Schoharie County, New York, U.S.A.
- LEGRANDIA** Stockmans, 1968.
- Legrandia sporangifera* Stockmans, 1968, p. 36-37, pl. 6, figs. 7, 7a; compared with *Pseudosporochnus*, Psilophytales; Middle Devonian; Brabant Massif region, central Belgium.
- LEGUMINANTHUS** Kräusel and Schaarschmidt, 1966.
- Leguminanthus siliquosus* Kräusel Schaarschmidt, 1966, p. 41-42, pl. 11, figs. 1-5; pl. 12, figs. 1-9; pl. 13, figs. 1-11; pl. 14, figs. 1-20; pl. 15, figs. 1-19; bennettitalean pollen organ; Middle Triassic; Switzerland.
- LELSTOTHECA** Maheshwari 1972; an anagram for *Stellotheca* Surange and Prakash, 1962, established as a new combination with *Phyllotheca robusta* Feistmantel, 1880.
- Lelstotheca robusta* (Feistmantel, 1880) Maheshwari, 1972, p. 106; equisetaceous foliage; Lower Permian; Rajmahal Hills, Bihar, India.
- LEPTOCYCAS** Delevoryas and Hope, 1971.
- Leptocycas gracilis* Delevoryas and Hope, 1971, p. 3-7, figs. 1-12; stems, Cycadaceae; Upper Triassic; Chatham County, North Carolina, U.S.A.
- LEPTORICHOMARIA** Vologdin, 1962.
- Leptotrichomaria intermissa* Vologdin, 1962, pt. 1, p. 255-258, figs. 54, 55; pl. 50, fig. 1; pl. 51, figs. 1-3; algae, Trichostromataceae; Lower Cambrian and Sinian; Turukhansk region, right bank of the Yenisey near Miroedikh village, and near Kostino village, below the mouth of the Sukhaya Tunguska, central Siberia, U.S.S.R.
- LERICHEA** Stockmans, 1968.
- Lerichea krystofovitchii* Stockmans, 1968, p. 12-13, pl. 9, figs. 2, 2a; branches, Psilophytales; Middle Devonian; Brabant Massif region, central Belgium.
- LERMONTOVAEPHYCUS** Vologdin, 1962.
- Lermontovaephycus lamellosus* Vologdin, 1962, pt. 1, p. 166-167, 172-176, figs. 10, 11; pl. 7, fig. 1; pl. 8, fig. 1; pl. 9, figs. 1, 2; stromatolite, Lermontovaephyceae; Sinian right bank of the Angara river, U.S.S.R.
- LEUTHARDTIA** Kräusel and Schaarschmidt, 1966.
- Leuthardtia ovalis* Kräusel and Schaarschmidt, 1966, p. 26-27, figs. 6, 7; pl. 8, figs. 1-5; pl. 9, figs. 1-5; bennettitalean pollen organ; Middle Triassic; Switzerland.

- LEVICUTIS** Roselt and Schneider, 1969.
Levicutis complitata Roselt and Schneider, 1969, p. 59, pl. 7, fig. 2; cuticle of leaf sheath, [Graminales]: Miocene; Upper and Lower Lusatia, East Germany.
- LIDASIMOPHYTON** Senkevich, 1961.
Lidasimophyton akkermensis Senkevich, 1961, p. 155-169, fig. 6; pl. 24, figs. 2-5; pl. 26, figs. 1-5; lycoperid, Drepanophycaceae; Middle Devonian, western Pribalkhash, southern Kazakhstan, U.S.S.R.
- LILPOPIA** (Lilpop, 1937) Conert and Schaarschmidt, 1970.
Lilpopia raciborskii (Lilpop, 1937) Conert and Schaarschmidt, 1970. A new name for *Tristachya* Lilpop; p. 793-794; Lilpopiaceae; Permian and Carboniferous; 35 km from Cracow, Poland.
- LIMNOBIOPHYLLUM** Krasilov, 1973.
Limnobiophyllum scutatum (Dawson, 1875) Krasilov, 1973a, p. 110-111, pl. 23, figs. 49-61, cuticle, incertae sedis; Upper Cretaceous; near the mouth of Bureya river, Tsagajan, Amur province, U.S.S.R.
- LIRIODENDROXYLON** Prakash, Březinová and Bůžek, 1971.
Liriodendroxylon tulipiferum Prakash, Březinová and Bůžek, 1971, p. 108-110, pl. 35, figs. 26-29, pl. 36, figs. 30-34; wood Magnoliaceae; Oligocene; Doupovské hory mountains, northern Bohemia, Czechoslovakia.
- LOBIFOLIA** Lebedev and Rasskazova, 1968.
Lobifolia povorokovskii (Prynada in Vachrameev and Doludenko, 1961) Lebedev and Rasskazova, 1968, p. 61-63, figs. 2, 3; pl. 1, figs. 1-3; fern; Lower Cretaceous; Bureya river basin, U.S.S.R.
- LOPATINELLA** Vologdin, 1962.
Lopatinella bipartita Vologdin, 1962, pt. 1, p. 206-209, fig. 27; pl. 35, figs. 1, 2; pl. 26, figs. 1, 2; stromatolite; Lopatinellaceae; middle Silesian; right bank of the Nizhney Tunguska, about 34 km from the mouth, U.S.S.R.
- LOVOAXYLON** Louvet, 1967.
Lovoaxylon princeps Louvet, 1967, p. 186-197, 2 figs., 1 pl., 1 table; wood; Algeria, northern Africa.
- LUCERNELLA** Grambast and Lorch, 1968.
Lucernella ampullacea Grambast and Lorch, 1968, p. 48-50, pl. 1, figs. 1a-d, 2a-d, 3a-d; pl. 2, figs. 1a-9; charophyte, Clavatoraceae; Lower Cretaceous; southern Lebanon.
- LUDLOVIA** Korde, 1973.
Ludlovium multisporum Korde, 1973, p. 207-209, fig. 62; pl. 65, fig. 1; pl. 66, fig. 1; algae, Epiphytaceae; Upper Silurian; left bank of Sos'va river, eastern slope of the northern Urals, U.S.S.R.
- LUTUGINIA** Prynada and Radchenko, 1967.
Lutuginia furcata Prynada and Radchenko, in Vladimirovich and others, 1967, p. 28-29, fig. 11, coniferous branch with shoots; Lower Triassic; Kuznets basin, central Siberia, U.S.S.R.
- LYCHNOTHAMNITES** Maslov, 1966.
Lychnothamnites naryensis Maslov, 1966, p. 77-79, fig. 26; pl. 9, figs. 9-11; charophyte; middle Pliocene; Naryn depression, Kirghiz SSR.
- LYSVAELLA** Tchuvashov, 1971.
Lysvaella partita Tchuvashov, 1971, p. 86-89, fig. 1; pl. 10, figs. 1-4; algae, Corallinaceae; Lower Permian; Chusovoy river basin, western slope of the Urals, U.S.S.R.

M

- MADIGANITES** Walter, 1972.
Madiganites mawsoni Walter, 1972, p. 158-161, figs. 8, 47, pl. 1, figs. 1, 2; pl. 28, figs. 1-3; stromatolite; Middle and Upper Cambrian; Waterhouse and MacDonald Ranges, Australia.
- MAGARIELLA** Page, 1973.
Margariella cretacea Page, 1973, p. 572-575, figs. 1-15; coniferous stem with leaves; ?Taxodiaceae; Upper Cretaceous; central California, U.S.A.
- MAGNICUTIS** Schneider, 1969.
Magnicutis glandulosa Schneider, 1969, p. 17-18, fig. 2; pl. 3, figs. 6, 7; cuticle, Loranthaceae; Miocene; Upper Lausatia, east-central Germany.
- MAGNIFEROXYLON** Awasthi, (1965) 1966.
Magniferoxylon scleroticum Awasthi, (1965) 1966, p. 131-135, figs. 1-5; pl. 1, figs. 1-4; pl. 2, figs. 5-11; wood, Anacardiaceae; Tertiary; South Arcot district, Madras, India.
- MAJSASSIA** Sukhov, 1969.
Majsassia elliptica Sukhov, 1969, p. 176, pl. 31, figs. 1-3; gymnosperm seed; Lower Carboniferous; Kuznets basin, central Siberia U.S.S.R.
- MALOIDOVYLYON** Grambast-Fessard, 1966.
Maloidoxylon castellanense Grambast-Fessard, 1966, p. 138-145,

- figs. 3, 4, 6; pl. 13 (17), figs. 1-3; pl. 14 (18), figs. 1-5; wood, Rosaceae; Miocene and Pliocene; Castellane, Basses-Alpes, southeastern France.
- MANSURKELLA** Vologdin, 1962.
Mansurkella densa Vologdin, 1962, pt. 2, p. 490-491, fig. 8, pl. 9, figs. 2, 3; stromatolite, Sarmaellaceae; Lower Cambrian; Manzurka river basin, U.S.S.R.
- MOAKHEOPTERIS** Srebrodolskaya, 1969.
Maokheopteris vietnamica Srebrodolskaya, 1969. p. 89-91, pl. 2, fig. 2; pl. 3, figs. 1, 2; foliage, Filicinae, incertae sedis; Upper Triassic; northern Viet Nam.
- MARCOUIA** Ash, 1972.
Marcovia neuropterides (Daugherty) Ash, 1972, p. 423-428, fig. 1A-E; pl. 80, figs. 1-9; fernlike foliage; incertae sedis; Upper Triassic; New Mexico and Arizona, U.S.A.
- MARENITA** Korde, 1973.
Marenita kundatica Korde, 1973, p. 109-110, pl. 1, fig. 3; algae, Marinitaceae; Lower Cambrian; Kiya river, 1 km below the mouth of the Kundat river, Kuznetskiy Alatau, Tuva, U.S.S.R.
- MARGARIELLA** Page, 1973.
Margariella cretacea Page, 1973, p. 572-575, figs. 1-15; coniferal stem with leaves; ?Taxodiaceae; Upper Cretaceous; central California, U.S.A.
- MASLOVINA** Obrhel, 1968.
Maslovina meyenii Obrhel, 1968a, p. 367-370, fig. 1A-D; pl. 1, figs. 1-6; pl. 2, figs. 1-5; algae; Codiaceae; Silurian; Bohemia, Czechoslovakia.
- MATIA** Townrow, 1967.
Matia podocarpoides (Ettingshausen, 1891) Townrow, 1967, p. 125-129, 131, 133, pls. Ij, Iig; foliage and seed cone, Podocarpaceae; Middle Jurassic; New Zealand, and Queensland, Australia.
- MELIACEAEPHYLLUM** Varma, 1968.
Meliaceaephyllum mahagonites Varma, 1968, p. 83-85, pl. 1, fig. 1; leaf impression, Meliaceae; upper Miocene (middle Shivaliks); Hardwar, Uttar Pradesh, India.
- MELLPORELLA** Rác, (1964) 1966.
Mellporella anthracoporellaformis Rác, (1964) 1966, p. 99-100, pl. 4, figs. 4-6; calcareous green algae, ?Dasycladaceae: the San Emiliano and Lois-Ciguera Formations, Carboniferous; Leon province, northwestern Spain.
- MENAI SPERMAE** Pettitt and Lacey, 1972.
Menaispermae greenlyii Pettitt and Lacey, 1972, p. 154-169, figs. 1, 2; pls. 1-4; gymnospermous seed compression; Late Visean, Lower Carboniferous; Menai Straits, Caernarvonshire, North Wales.
- MENSELINA** Antropov, 1967.
Menselina clathrata Antropov, 1967, p. 124, pl. 28, figs. 4-6; ?algae; ?Rhodophyta; Lower Carboniferous; central part of the east Russian platform, U.S.S.R.
- MENUCOA** Petriella, 1969.
Menucoa cazavi Petriella, 1969, p. 293-320, figs. 1-3; pl. 1, figs. 1-4; cycad stems, Cycadales; lower Tertiary; Los Menucos, Rio Negro province, Argentina.
- MESOLARIX** Jähnichen and Kahlert, 1972.
Mesolarix mongolica Jähnichen and Kahlert, 1972, p. 973-4, 979, pl. 4, fig. 3; pl. 5, fig. 3; pl. 6, fig. 6; sprout fragments with dwarf shoots; Upper Jurassic and Lower Cretaceous; environs of Bajanchonger, Mongolian People's Republic.
- METAKAMAENA** Endô, 1969.
Metakamaena gracilis Endô, 1969, p. 81-82, fig. 4; pl. 5, figs. 1, 2; algae, compared with *Calcsphaera*; Permian; Thailand.
- MILLARIA** Pflug, 1966.
Millaria implexa Pflug, 1966, p. 66-67, pl. 28, figs. 6-18, 20-44, 48-63, pl. 29, figs. 1-28; ?algae, ?Cyanophyta; Idaho-Montana, U.S.A.
- MIMOSACEOXYLON** Lakhnapal and Prakash, 1970.
Mimosaceoxylon lebacqii Lakhnapal and Prakash, 1970, p. 8-10, pl. 4, figs. 14, 15; pl. 5, figs. 16-18; wood, Leguminosae; Miocene; Lake Albert, Congo, east-central Africa.
- MIMOSOXYLON** Müller-Stoll and Mädél, 1967.
Mimosoxylon tenax (Felix) Müller-Stoll and Mädél, 1967, p. 134-136, fig. 9; pl. 35, figs. 68-71; wood, Leguminosae; Upper Cretaceous; near Oaxaca, Mexico.
- MIRELLA** Samylin, 1967.
Mirella borealis Samylin, 1967, p. 157-158, pl. 14, figs. 1a, 2-6; mega and microsporangia, incertae sedis; Lower Cretaceous; right bank of the Zyrianska river, Zyrianska coal basin, Yakut SSR.
- MITRAGYNAXYLON** Koeniguer and Lemoigne, 1973.
Mitragynaxylon gevini Koeniguer and Lemoigne, in Gevin, Koeniguer

- and Lemoine, 1973, p. 386-388, figs. 1, 2; pl. 23, figs. 1-8; wood, Rubiaceae; Oligocene and Miocene; Tindouf region, Algeria.
- MONILIPORELLA** Gnilovskaya, 1972. *Moniliporella camerata* Gnilovskaya, 1972, p. 102-106, fig. 45; pl. 10, figs. 1-3; pl. 11, figs. 1, 2; alga, Moniliporellaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- MONOSTYCHIA** Vologdin, 1962. *Monostychia lapidosa* Vologdin, 1962, pt. 2, p. 500-502, fig. 16; pl. 13, figs. 1, 2; stromatolite, Vesiculariaceae; Lower Cambrian; basin of the upper course of the Lena, Manzurka river near Polosco village, U.S.S.R.
- MOROPHYLLUM** Kirichkova and Budantsev, 1967. *Morophyllum denticulatum* Kirichkova and Budantsev, 1967, p. 941-942, pl. 2, figs. 7-14; angiosperm leaves; Lower Cretaceous; Sitte river, western tributary of the Lena, Yakutskaya, U.S.S.R.
- MOYLIOSTROBUS** Miller and Brown, 1973. *Moyliostrobus taxanum* Miller and Brown, 1973, p. 564-569, figs. 1-13; voltzialean cone; Permian; Brewster County, Texas, U.S.A.
- MUCILINA** Korde, 1973. *Mucilina fossilis* Korde, 1973, p. 118-119, fig. 3; pl. 6, figs. 1-4; algae, Mucilinaceae; Lower Cambrian; Kuznetskiy Alatau and Batenev ridge, U.S.S.R.
- MULLEROXYLON** Page, 1970. *Mulleroxylon eupomatoides* Page, 1970, p. 1143, figs. 12-14; angiospermous wood; Upper Cretaceous; Stanislaus County, central California, U.S.A.
- MYRTOIDOXYLON** Gottwald, 1966. *Myrtoidoxylon noldeae* Gottwald, 1966, p. 85-87, pl. 23, fig. 19; pl. 24, figs. 20-22; wood, Myrtales; middle Eocene; Tagebau near Helmstedt, Westdeutschland.
- N
- NANSENIA** Sveshnikova and Budantsev, 1967. *Nansenia arctica* Sveshnikova and Budantsev, 1967, p. 124-125, pl. 12, figs. 1-6; stem with leaves, Pinaceae; Lower Cretaceous; Franz Josef Land.
- NEMEGTICHARA** Karczewska and Ziembinska-Tworsydo, 1972. *Nemegtichara prima* Karczewska and Ziembinska-Tworsydo, 1972, p. 54-57, figs. 2, 3; pl. 7, figs. 1, 3, 4; pl. 8, figs. 1, 2, 5, 6; pl. 9, fig. 2; pl. 24, figs. 1, 3, 4; fruit, Charophyta; lower Tertiary; Nemegt basin, Gobi desert, Mongolia.
- NEMEJCOPTERIS** Barthel, 1968. *Nemejcopteris feminaeformis* (Schloth.) Barthel, 1968, p. 727-733, pl. 1, figs. 1-15; pl. 2, figs. 1-11; pl. 3, figs. 1-13; pl. 4, figs. 1-9; fern, Zygopteridaceae; Lower Permian; Döhlen basin, east-central Germany.
- NEODASYPORELLA** Endô, 1969. *Neodasyoporella innerannulata* Endô, 1969, p. 40-41, fig. 2; pl. 36, figs. 1, 2; pl. 42, fig. 5; algae, Corallinaceae; Permian; Thailand.
- NERUSIANDELLA** Vologdin, 1962. *Nerusiandella faveolata* Vologdin, 1962, pt. 1, p. 284-285, fig. 69, pl., figs. 1, a, 2, a; stromatolite, Plexostromataceae; middle Sinian; right bank of the Nizhney Tunguska about 34 km from its mouth; Turukhansk region, U.S.S.R.
- NEUBURGIA** M. I. Radchenko, 1969. *Neuburgia karatauensis* M. I. Radchenko, 1969, p. 106-108, pl. 1 figs. 1-4; pl. 2 figs. 1-6; fragments of leaf impressions, compared with *Anisopteris* and *Rhacopteris*; Lower Carboniferous; southern Kazakhstan, U.S.S.R.
- NIAYSSIOIDEA** Stockmans, 1968. *Niayssioidea belgica* Stockmans, 1968, p. 14-16, fig. 2; pl. 2, figs. 8, 8a; stem, ?Psilophytale; Middle Devonian; Brabant Massif region, central Belgium.
- NICHOLSONIA** Korde, 1973. *Nicholsonia glomerata* Korde, 1973, p. 212-215, pl. 64, fig. 1; pl. 65, fig. 1; algae, Kenellaceae; Lower Cambrian; Shangan river, Kuznetskiy Alatau; Batenev ridge, Tuva; area of Sukhaya Erba village, northeast of Dolgiy Mys mountain, U.S.S.R.
- NIDIA** Bose and Srivastava, 1973. *Nidia ovalis* Bose and Srivastava, 1973, p. 75-78, figs. 4A, 6-8; pl. 2, figs. 9-13; pl. 3, figs. 16, 17; female cone, incertae sedis; Lower Triassic; Gopad river valley, Nidpur, Sidhi district, Madhya Pradesh, India.
- NIDISTROBUS** Bose and Srivastava, (1972) 1973. *Nidistrobus harrisiana* Bose and Srivastava, (1972) 1973, p. 211-212, pl. 1, figs. 1-5; male fructification; incertae sedis; Lower Triassic; Gopad river valley, Nidpur, Sidhi district, Madhya Pradesh, India.

NOTHODACRIUM Townrow, 1967.
Nothodacrium warrenii Townrow, 1967, p. 137-141, figs. 1A-D, 2A-E, 3B-D; pl. 1, figs. A-B, D; coniferous shoot with base of seed cone, Podocarpaceae; Jurassic; east Antarctica.

NOTOCALAMITES Rigby (1970) 1972.

Notocalamites askosus Rigby (1970) 1972, p. 161-163, fig. 1; pl. 1, fig. 1; fructification on stems, Notocamamitaceae; upper Paleozoic; Santa Catarina, Brazil.

NOVANTIELLA Elliott, 1972.

Novantiella ordoviciana Elliott, 1972, p. 362-363, pl. 6, figs. 1, 2; green algae, Dasycladaceae; Upper Ordovician; Girvan, Ayrshire, Scotland.

NYMHPHAEOCAULON Trivedi and Ambwani, 1971.

Nymphaeocaulon intertrappeum Trivedi and Ambwani, 1971, p. 129-136, figs. 1-3; pls. 44-45, figs. 1-13; fossil axis, Nymphaeaceae; lower Tertiary; Mohgaonkalan, Madhya Pradesh, India.

O

OMPHALEAEPHYLLUM Rásky, (1965) 1966.

Omphaleaephyllum weylandi Rásky, (1965) 1966, p. 266-267, pl. 2, fig. 6; leaf impression, incertae sedis; Tertiary; Ipolytarnoc, Hungary.

OPILOXYLON Koeniguer, 1970.

Opiloxylon nigerinum Koeniguer, 1970, p. 148-151, fig. 3:1-3; paleo-oxytometous wood; Upper Cretaceous; Mount Kanak, Republic of Niger, western Africa.

ORCHIDACITES Straus, 1969.

Orchidacites orchidioides (Straus, 1954) Straus, 1969, p. 167; pl. 28; fig. 2; capsule, Orchidaceae; Pliocene; Willershausen, Germany.

ORDINICUTIS Roselt and Schneider, 1969.

Ordinicutis orbirima Roselt and Schneider, 1969, p. 78-79, fig. 28, pl. 20, figs. 3, 4; cuticle of undetermined dicotyledon; Miocene; Friedlendorf, Hessen, East Germany.

ORTHRIOSIPHONOIDES Petryk, 1972.

Orthriosiphonoides salterensis Petryk, in Petryk and Mamet, 1972, p. 776, fig. 3; pl. 2, figs. 10-14; pl. 3, figs. 4, 5; algae; Visean, Lower Carboniferous; southwestern Alberta, Canada.

OVIDOPHYCUS Vologdin, 1962.

Ovidophycus titorenko Vologdin,

1962, pt. 2, p. 496-498, fig. 13; pl. 11, fig. 5; algae, Tumidophyceae; Lower Cambrian; Manzurka river valley, upper course of the Lena, Kachugsk area, Ikurtsk Oblast, U.S.S.R.

P

PALAEOCALLITROXYLON Gregus, 1970.

Pallaeocallitroxylon limburgense Gregus, 1970, p. 270-271, pl. 1, figs. 2, 4-5, 8-9; pl. 2, figs. 13, 15-16; wood, Cupressaceae; Tertiary; Limburg, southeastern Netherlands.

PALEOERICOMA Elias, 1942.

Paleoericoma hitchcocki Elias, 1942, p. 100-101, pl. 15, figs. 7, 8; hulls, compared with the living section *Ericoma* of Oyzopsis; Pliocene; Yuma County, Colorado, U.S.A.

PALAEOPHRAGMITES LeMone and Johnson, 1969.

Palaeophragmites gilei LeMone and Johnson, 1969, p. 79, pl. 1, fig. 1; pl. 3, fig. 1; culms, Gramineae; Neogene; Rincon hills, Dona Ana County, New Mexico, U.S.A.

PALEOPHYLLUM Endô, 1968.

Paleophyllum hashimoto Endô, 1968, p. 213, pl. 35, fig. 4; algae, Corallinaceae; Mansalay Formation, Jurassic; Mindoro Island, Philippines.

PALAEOSMUNDA Gould, 1970.

Palaeosmunda williamsi Gould, 1970, p. 13-21, figs. 2, 3; pl. 1, figs. 1, 2; pl. 2, figs. 1-7; pl. 3, figs. 1-8; pl. 4, figs. 1-10; trunks and rhizomes, Osmundaceae; Upper Permian; Bowen basin, Queensland, Australia.

PALMATOPORELLA Gnilovskaya, 1972.

Palmatoporella lata Gnilovskaya, 1972, p. 136-137, fig. 57; pl. 15, fig. 5; alga, incertae sedis; Upper Ordovician, eastern Kazakhstan, U.S.S.R.

PANOMNIELLA Kolosov, 1966.

Panomniella ornata Kolosov, 1966, p. 978-979, fig. 1A; algae, Rivulariaceae; Precambrian; Olekma river basin, Yakut SSR.

PAPULOPHYCUS Vologdin, 1962.

Papulophycus pennatus Vologdin, 1962, pt. 1, p. 280-283, fig. 67; pl. 64, figs. 1, 2; stromatolite, plexostromataceae; upper Sinian; Kachergat river on the southwestern shore of Lake Baikal, U.S.S.R.

PARACACIOXYLON Müller-Stoll and Mädel, 1967.

- Paracacioxylon odonellii* (Menéndez) Müller-Stoll and Mädél, 1967, p. 137-138; wood, Leguminosae; Tio-punco, Tucuman province, Argentina.
- PARACHABKOVIA** Korde, 1973.
- Parachabkovia dura* Korde, 1973, p. 157-158, pl. 29, fig. 3; algae, Parachabkoviaceae; Lower Cambrian; Sanashtykgol river, western Sayan, U.S.S.R.
- PARAËPIPHYTON** Wray, 1967.
- Paraepiphyton caritus* Wray, 1967, p. 41-43, fig. 15; pl. 8, figs. 1-15; algae, incertae sedis; Upper Devonian; Canning basin, Western Australia.
- PARAPHYLLUM** Lemoine, 1969-70.
- Paraphyllum amphiroaeforme* (Rothpletz) Lemoine, 1969-70, p. 177-181, pl. 12, fig. 1; pl. 13, fig. 2; coralline algae; Cretaceous; southern France.
- PARAPINUXYLON** Huard, 1966.
- Parapinuxylon hostensianum* Huard, 1966, p. 65-73, figs. 23-25; pl. 8(12), figs. 1-10; coniferous wood; upper Tertiary; Landes, France.
- PARASEQUOIA** Krasilov, 1967.
- Parasequoia cretacea* Krasilov, 1967, p. 212-213, figs. 30a, b, v; pl. 77, figs. 1-4; stem with leaves, Coniferales; Lower Carboniferous; Southern Maritime Territory, U.S.S.R.
- PARASPHENOPHYLLUM** Asama, 1970.
- Parasphenophyllum shansiense* (Asama) Asama, 1970, p. 301-302, pl. 3, fig. 1; leaves, Sphenophyllales; Permian; China and Korea.
- PARATRICHILIOXYLON** Koeniguer, 1971.
- Paratrichilioxylon russelli* Koeniguer, 1971, p. 160-172, figs. 3-5; pl. 1, figs. 1-4; pl. 2, figs. 1, 2; pl. 3, figs. 1-4; wood, Melliaceae; Paleocene; Niger, western Africa.
- PARATRIZYGIA** Asama, 1970.
- Paratrizygia kobonensis* (Kobatake) Asama, 1970, p. 312-313; leaves, Sphenophyllales; Permian; Korea.
- PARAZOLA** Hall, 1969.
- Parazola heterotricha* Hall, 1969, p. 1175-1177, figs. 3-18, 30; fern spores; Upper Cretaceous; Choteau County, Montana, U.S.A.
- PELTICUTIS** Schneider, 1969.
- Pelticutis amplirima* Schneider, 1969, p. 15-16, fig. 1; pl. 1, figs. 4, 5; pl. 2, fig. 1; cuticle, Myricaceae; middle Miocene; Lower Lusatia, east-central Germany.
- PELTOPHOROXYLON** Müller-Stoll and Mädél, 1967.
- Peltophoroxyton variegatum* (Ramanujam) Müller-Stoll, and Mädél, 1976, p. 117-118; wood, Leguminosae; Miocene or Pliocene; India.
- PERENNARIA** Vologdin, 1962.
- Perennaria ambigua* Vologdin, 1962, pt. 1, p. 251-253, fig. 51; stromatolite, Telastromataceae; lower Sinian; left bank of the Angara river, above the Ivan river, U.S.S.R.
- PEREZLARIA** Delevoryas and Gould, 1971.
- Perezlaria oaxacensis* Delevoryas and Gould, 1971, p. 616-620, figs. 1-8; ?pteridosperm fructification; Jurassic; Oaxaca, Mexico.
- PERMOPADINA** Ramovs, 1970.
- Permopadina fallax* Ramovs, 1970, p. 97-100, fig. 1; pl. 12, figs. 1-6; algae, Dictyotales; middle Permian; eastern Karawanken, Alps, Yugoslav-Austrian border.
- PERTICA** Kasper and Andrews, 1972.
- Pertica quadrifaria* Kasper and Andrews, 1972, p. 904-906, figs. 1-18; vascular plant, Trimerophytinae; Trout Valley Formation, Lower Devonian, northern Maine, U.S.A.
- PHASMATOCYCAS** Mamay, 1973.
- Phasmatocycaas kansana* Mamay, 1973, p. 689, fig. 1d-g; fertile organ, Cycadales; Lower Permian; Dickinson County, Kansas, U.S.A.
- PHYLLADELPHIA** Bronn, 1858.
- Phylladelphia strigata* Bronn, 1858, p. 133-135, pl. 7, figs. 2, 3; leaves, monocotyledon; Triassic; Raibl, Carinthia, Austria.
- PHYLLOSTACHYA** Khakhlov, 1964.
- Phyllostachya punctata* Khakhlov, p. 25-26, pl. 2, figs. 5-7; Equisetales; upper Paleozoic; northern Siberia.
- PHYTOKNEME** Andrews, Read and Mamay, 1971.
- Phytokneme rhodona* Andrews, Read and Mamay, 1971, p. 6-9, figs. 1-3; pls. 1-4; lycopod stem; Upper Devonian; Adair County, Kentucky, U.S.A.
- PILBARIA** Walter, 1972.
- Pilbaria perplexa* Walter, 1972, p. 167-170, figs. 7, 51-52; pl. 4, fig. 4; pl. 29, figs. 2-7; stromatolite; lower Proterozoic; Western Australia.
- PILICORONICUTIS** Roselt and Schneider, 1969.
- Pilicoronicutis velamirima* Roselt and Schneider, 1969, p. 79-80, fig. 29; pl. 18, fig. 4; cuticle of undetermined dicotyledon; lower Oligocene; Espenhain near Leipzig, Germany.
- PILIEVICUTIS** Roselt and Schneider, 1969.

- Pilievicuttis dentata* Roselt and Schneider, 1969, p. 60-61, pl. 7, fig. 5; cuticle fragment, botanical status doubtful; middle Miocene Upper Silesia, east-central Europe.
- PILIMPARICUTIS** Schneider, 1969.
- Pilimparicuttis thompsoni* (Krausel and Weyland, 1959) Schneider, 1969, p. 23, fig. 5; pl. 7, figs. 1, 2; cuticle, Spotaceae; middle Miocene; Upper Lusatia, east-central Germany.
- PILIPARICUTIS** Roselt and Schneider, 1969.
- Piliparicuttis radivirgata* Roselt and Schneider, 1969, p. 73-74, pl. 16, figs. 1-4; cuticle of Lauraceae; upper Eocene; Etzdorf near Halle, East Germany.
- PILISOLICUTIS** Roselt and Schneider, 1969.
- Pilisolicuttis tenuis* Roselt and Schneider, 1969, p. 68, fig. 19; pl. 11, figs. 1, 2; cuticle of undetermined dicotyledon; middle Miocene, Schlacendorf near Lubbenau, East Germany.
- PILOSTROMA** Vologdin, 1962.
- Pilostroma gramosum* Vologdin, 1962, pt. 1, p. 305-306, fig. 69b; pl. 65, figs. 1, 2, 3a; algae, Lamellostromataceae; middle Sinian; right bank of the Nizhney Tunguska, about 34 km from the mouth, Turukhansk region, U.S.S.R.
- PINICUTIS** Schneider, 1969.
- Pinicuttis hexacytica* Schneider, 1969, p. 28, fig. 7; pl. 9, fig. 2; cuticle, Pinaceae; middle Miocene; near Lubbenau, Lower Lusatia, East Germany.
- PLACKLESIA** Bilgütay, 1968.
- Placklesia multipora* Bilgütay, 1968, p. 71-74, figs. 2-6; pl. 3, figs. 1-9; calcareous algae, Thyrosoporellae; Triassic; Packles, Hohe Wand, lower Austria.
- PLAESIODICTYON** Wille, 1970.
- Plaesiodictyon mosellanum* Wille, 1970, p. 284-285, figs. 4-14, green algae, Chlorococcales; Keuper; Luxemburg, German border.
- PLEXA** Gnilovskaya, 1972.
- Plexa varia* Gnilovskaya, 1972, p. 121-122, fig. 53; pl. 14, fig. 3; alga, Moniliporellaceae; Upper Ordovician, eastern Kazakhstan, U.S.S.R.
- PLEXOSTROMA** Vologdin, 1962.
- Plexostroma pleurotropum* Vologdin, 1962, pt. 1, p. 279-280, fig. 66; pl. 75, figs. 3-5; stromatolite, Plexostromataceae; middle Sinian; right bank of the Nizhney Tunguska, about 34 km from the mouth, Turukhansk region, U.S.S.R.
- PLICARIZAMITES** Bock, 1969.
- Plicarizamites lanceolatus* Bock, 1969, p. 239-242, figs. 395-401; pinnate foliage, incertae sedis; Triassic; Winterpock, Virginia, U.S.A.
- PODOSTROBUS** Rao and Bose, (1970) 1971.
- Podostrobus rajmahalensis* (Rao) Rao and Bose, (1970) 1971, p. 83-84, pl. 1, figs. 1-8; podocarpaceous male cone; Upper Jurassic; Nipania, Rajmahal Hills, Bihar, India.
- POIKILOPORELLA** Pia, (1942) 1943.
- Poikiloporella duplicata* (Pia, 1920) Pia, (1942) 1943, p. 95-96; calcareous alga; Mesozoic; west of Hutkogels on the Gamsberg and other areas in the extreme western part of Austria.
- POLYPODIOPTERIS** Krassilov and Fedetov, 1970.
- Polypodiopteris kivdensis* Krassilov and Fedetov, in Fedetov, 1970, p. 96-98, pl. 15; figs. 10-17. fern, Polypodiaceae; lower Tertiary; Amur Oblast, U.S.S.R.
- POMATOPHYLLUM** Conti, 1947.
- Pomatophyllum poerculatum* Conti, 1947, p. 53-54, fig. 3; pl. 6[2] fig. 4; pl. 8[4], fig. 5; alga, Corallinaceae; Miocene; northwestern Italy.
- POMETIOXYLON** Prakash and Tripathi, (1969) 1970.
- Pometioxylon tomentosum* Prakash and Tripathi, (1969) 1970, p. 20-22, figs. 1-4; pl. 1, figs. 1-5; wood, Sapindaceae; Tertiary; Hailakandi, Assam, India.
- POODEITES** Straus, 1969.
- Poodeites hercynicus* Straus, 1969, p. 166-169, fig. 1; pl. 30, fig. 2; parts of the reproductive structure of grass, Graminales; Pliocene; Wiltershausen, Germany.
- POTAMOGETONACECARPUM** Walthur, 1967.
- Potamogetonacecarpum magnum* Walthur, 1967, p. 264-266, fig. 3; pl. 2, figs. 4, 5; fruit remains, Potamogetonaceae; Miocene; Seiffenhensdorf, Saxony, east-central Germany.
- POTENTILLINA** Korde, 1973.
- Potentillina campanulata* Korde, 1973, p. 139-140, fig. 37; pl. 17, fig. 2; Lower Cambrian; Biryusa River, eastern Sayan, U.S.S.R.
- PRAEARENARIA** Vologdin, 1962.
- Praearenaria bullulata* Vologdin, 1962, pt. 2, p. 502-504, figs. 17, 18; pl. 14, figs. 1, 2; pl. 15, figs. 1-4;

- stromatolite, Trichostromaceae; Middle Cambrian; left bank of the Angara, Chadobets village, Krasnoyarskiy Kray, U.S.S.R.
- PRAECHROOCOCCUS** Vologdin, 1962. *Praechroococcus catervatis* Vologdin, 1962, pt. 1, p. 162-165, fig. 5; pl. 2, figs. 1-3; stromatolite, Chroococcaceae; lower Sinian; right bank of the Angara river, above the mouth of the Ivan river, southeastern Siberia, U.S.S.R.
- PRESIGILLARIA** Novik, 1968. *Presigillaria jongmansii* Novik, 1968, p. 103-105, pl. 13, figs. 1, 2; trunk, Sigillariaceae; Lower Carboniferous; Donets basin, U.S.S.R.
- PROAULOPORA** Vologdin, 1962. *Proaulopora rarissima* Vologdin, 1962, pt. 2, p. 546-547, pl. 7, figs. 1-4; algae, Vologdienellea; Middle Cambrian; Kenya river, left tributary of the Abakan, environs of Torgashino village near Krasnoyarsk, U.S.S.R.
- PROCHAMAESIPHON** Elias, (1965) 1966. *Prochamaesiphon cumingsi* Elias, 1962, pt. 2, p. 546-547, pl. 7, figs. 1-4; algae, Myxophyceae (Cyanophyta); Ordovician; location not given.
- PROTEOKALON** Scheckler and Banks, 1971. *Proteokalon petryi* Scheckler and Banks, 1971, p. 874-879, figs. 1-30; progymnosperm; lower Upper Devonian; Greene County, New York, U.S.A.
- PROTROCOPOROXYLON** Vogel-lehner, 1967. *Protrocoporoxyton capense* (Walton, 1925) Vogel-lehner, 1967, p. 40-41, gymnospermous wood, Protopinaceae; Triassic; south and southwest Africa.
- PROTOEPIPHYTON** Vologdin, 1962. *Protoepiphyton curtofiligerum* Vologdin, 1962, pt. 1, p. 248-250, fig. 50; pl. 48, figs. 1, 2; stromatolite, Telastromataceae; Lower Cambrian; western border of the Siberian platform, Turukhansk region, U.S.S.R.
- PROTOGINKGOXYLON** Khudayberdyev, 1971. *Protoginkgoxyton dockumense* (Torrey, 1923) Khudayberdyev, in Sikstel' and others, 1971, p. 102; wood, Coniferales; Triassic; North America and Central Asia.
- PROTOLYCOPODITES** Weyland and Berendt, 1968. *Protolycopodites devonicus* Weyland and Berendt, 1968, p. 175-177, fig. 2a-b; pl. 29, figs. 18-25; leaf with sporangia, Lycopsidea, Drepanophyceae; Middle Devonian; Wuppertal-Elberfeld, West Germany.
- PROTOPOLYPOROXYLON** Vogel-lehner, 1968. *Protopolyporoxyton jurassicum* (Eckhold, 1922) Vogel-lehner, 1968, p. 139-140; gymnospermous wood, Protopinaceae; Jurassic; Czenstochau, Poland.
- PROTOSPIRA** Vologdin and Strygin, 1969. *Protospira stryginii* Vologdin and Strygin, 1969, p. 447-448, fig. 2a, b; algae, Protospiraceae; Precambrian; Krivoy Rog, Ukrainian SSR.
- PROTOSEQUOIA** Miki, 1969. *Protosequoia primarium* (Miki) Miki, 1969, p. 731, figs. 1A, 2A, 3A; shoots and cones; Taxodiaceae; Tertiary; central Honshu, Japan.
- PROTOTAXODIOXYLON** Vogel-lehner, 1968. *Prototaxodioxylon choubertii* (Attims, 1965) Vogel-lehner, 1968, p. 132-133; gymnospermous wood, Protopinaceae; Jurassic and possibly Cretaceous; Morocco, northern Africa.
- PROTOTRAPA** Vasil'yev, 1967. *Prototrappa douglassi* Vasil'yev, 1967, p. 110-111, pl. 8, figs. 3-5; fruit, Trapaceae; Lower Cretaceous; Australia.
- PSEUDAETHESOLITHON** Elliott, 1970. *Pseudoaethesolithon iranicus* Elliott, 1970, p. 31-35, figs. 1, 2; pls. 1-4; algae; Miocene; Tang-i-Dashtak, southwestern Iran.
- PSEUDOACTINOPORELLA** Conrad, 1970. *Pseudoactinoporella fragilis* Conrad, 1970, p. 66-68, fig. 4; pl. 1, figs. 1-4; pl. 2, figs. 1-4; pl. 8, fig. 4; algae, Dasycladaceae; Lower Cretaceous; area surrounding Geneva, Switzerland.
- PSEUDOANTHOS** Korde, 1973. *Pseudoanthos cambricum* Korde, 1973, p. 116, fig. 3; pl. 4, fig. 1; algae, Pseudoanthaceae; Lower Cambrian; Kyzas river, western Sayan and Batenev ridge, U.S.S.R.
- PSEUDOARAUCARITES** Vladimirovich, 1967. *Pseudoaraucarites gorskii* Vladimirovich in Vladimirovich and others, 1967, p. 29, fig. 12; coniferous cone scale with attached seed; Lower Triassic; Pechorska depression, central Siberia, U.S.S.R.

- PSEUDOCYMOPOLIA** Elliott, 1970.
Pseudocymopolia orientalis Elliott, 1970, p. 324-325, pl. 60, figs. 1, 2; algae, Dasycladaceae; Upper Jurassic to Upper Cretaceous; near Tubiti, SSE Kuching, Sarawak, Borneo.
- PSEUDOGLOBATOR** Grambast, 1969.
Pseudoglobator fourcasei Grambast, 1969, p. 878, 881, pl. 4, figs. 22a-28; charophyte, Clavatoraceae; Cretaceous; Ayoro, Albacte province, Spain.
- PSEUDOISSINELLA** Mamet and Rudloff, 1972.
Pseudoissinella alaskensis Mamet and Rudloff, 1972, p. 86, pl. 5, figs. 17-19; algae, incertae sedis; Carboniferous; Itkillik Lake and Tunnel Mt., Alaska, U.S.A.
- PSEUDOKAMAENA** Mamet, 1972.
Pseudokamaena armstrongi Mamet, in Petryk and Mamet, 1972, p. 779, 780, fig. 4; pl. 3, fig. 12; algae; Korguk Formation (Viséan); Lower Carboniferous; southwestern Alberta, Canada.
- PSEUDOKOMIA** Rác, (1964) 1966.
Pseudokomia cansecoensis Rác, (1964) 1966, p. 91-92, pl. 9, figs. 5, 6; pl. 10, figs. 1-3; calcareous, red algae of uncertain affinities; the San Emiliano and Lois-Ciguera Formations, Carboniferous; Leon province, northwestern Spain.
- PSEUDOLACHNOSTYLOXYLON** Gottwald, 1969.
Pseudolachnostyloxyton weylandii Gottwald, 1969, p. 115-116, pl. 23, figs. 6-9, 11, 12; wood, Euphorbiaceae; Oligocene; Beja, southwestern Tunisia, Tunisia.
- PSEUDOLEPIDODENDROPSIS** Schweitzer 1969.
Pseudolepidodendropsis carneggianum (Heer, 1871) Schweitzer, 1969, p. 112-117, figs. 6, 7; pl. 13, figs. 4-7; pl. 14, figs. 1-3; pl. 15, figs. 1-6; lycophyte, Sublepidodendraceae; Upper Devonian; Bjørnøya (Bear Island), Svalbard.
- PSEUDOPIAEA** Tyroff, 1966.
Pseudopiaea gigantea Tyroff, 1966, p. 256-258, figs. 1, 2; pl. 33, figs. 4-7; pl. 34, figs. 8-11; algae; Upper Permian; Büdingen (Wetterau), West Germany.
- PSEUDORHACOPTERIS** Rigby, 1973.
Pseudorhacopteris ovata (McCoy, 1847) Rigby, 1973, p. 1, 2, pl. 1, fig. 1; pl. 2, figs. 4-6; pl. 3, figs. 12b-13; fernlike fronds; Upper Cretaceous; Arowa, New South Wales, Australia.
- PSEUDOSTACHEOIDES** Petryk and Mamet, 1972.
Pseudostacheoides loomisi Petryk and Mamet, 1972, p. 793, 795, fig. 7; pl. 9, figs. 6-8; algae; Mount Head Formation, Lower Carboniferous; southwestern Alberta, Canada.
- PSEUDOTAXODIOXYLON** Greguss, 1973.
Pseudotaxodioxyton jaehnicheni Greguss, 1973, p. 13, pl. 1, figs. 1, 8-12; pl. 2, fig. 1-3; pl. 3, figs. 1-9; pl. 4, figs. 1-5; pl. 5, figs. 1-6; pl. 6, figs. 1-7; pl. 7, figs. 1-4; pl. 8, figs. 1-6; pl. 9, figs. 1-12; coniferous wood; Tertiary; central Europe.
- PTERIDOCAULIS** Bock, 1969.
Pteridocaulis rhombiformis Bock, 1969, p. 133-136, figs. 212-215; tree-fern, Cyatheaceae; Triassic; Winterpock, Virginia, U.S.A.
- PTEROGYNOXYLON** Müller-Stoll and Mädél, 1967.
Pterogynoxylon felixii (Navale) Müller-Stoll and Mädél, 1967, p. 125-126, wood, Leguminosae; Tertiary; southern India.
- PUGETIA** Wolfe, 1968.
Pugetia longifolia Wolfe, 1968, p. 16, fig. 7; pl. 2, figs. 1, 2, 4-6; leaves, Juglandaceae; lower Tertiary; King County, Washington, U.S.A.

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- RADIOCICIELLA** Dragastan, 1971.
Radiociciella subtilis Dragastan, 1971, p. 171-172, fig. 3; pl. 4, figs. 3-8; pl. 5, figs. 1-5; algae, Dasycladaceae; Upper Jurassic and Lower Cretaceous; east Carpathians, Rumania.
- RAJAHIA** Kon'no, 1970.
Rajahia linggiensis Kon'no, in Kon'no, Asama and Rajah, 1970, p. 522-527, 529-532, fig. 13, pl. 8, figs. 5-10; pl. 9, figs. 1-6; fern Magrattiaceae; Upper Permian; Gunong Blumut area, Johore, Malaysia.
- RAMULOSTROMA** Vologdin, 1962.
Ramulostroma ramulosum Vologdin, 1962, pt. 1, p. 286-287, fig. 60; pl. 66, fig. 1; pl. 67, fig. 1; stromatolite, Plexostromataceae; middle Sinian; right bank of the Nizhney Tunguska, about 11 km from the mouth, Turukhansk region, U.S.S.R.
- RAMULUS** Raaben, 1972.
Ramulus sociabilis Raaben, 1972, p. 40, pl. 3, fig. 1; pl. 4, figs. 2, 4; pl. 25, figs. 1-4; stromatolite;

- lowermost Cambrian; Polyudova ridge, southern Timan, and the southern Urals, U.S.S.R.
- REBUCHIA** (Dorf, 1933) Hueber, 1970.
- Rebuchia ovata* (Dorf, 1933) Hueber, 1970, a new name for *Bucheria* Dorf; p. 822; detached sporangia; Lower Devonian; Beartooth Butte, Wyoming, U.S.A.
- RELLIMIA** Leclercq and Bonamo, 1973.
- Rellimia thompsonii* Leclercq and Bonamo, 1973, p. 435-437, fig. 1; an anagram for *Milleria* (*Propteridium*) *thompsonii* Lang Emend. Leclercq and Bonamo, 1971, sporangial branches, progymnosperm; Devonian; Scotland.
- RENIERA** Stockmans, 1968.
- Reniera verrucosa* Stockmand, 1968, p. 11-12, pl. 3, figs. 5-5a; thallophyte; Middle Devonian; Brabant Massif region, central Belgium.
- RETICUTIS** Roselt and Schneider 1969.
- Reticutis communis* Roselt and Schneider, 1969, p. 61, pl. 10, fig. 3; cuticle of upper side of a leaf; Miocene; Lower Lusatia and Upper Lusatian highlands, Germany.
- RHAMNOXYLON** Chitaley and Kate, 1972.
- Rhamnoxylon intertrappea* Chitaley and Kate, 1972, p. 43-33, pl. 1, figs. 1-6; wood, Rhamnaceae; uppermost? Cretaceous; Mohgaonkalan, Chhindwara District, Madhya Pradesh, India.
- RHAPHIDOPTERIS** Barale, 1972, a new name for *Stenopteris* Saporta, 1872.
- Rhaphidopteris astartensis* (Harris, 1932) Barale, 1972, p. 1011-1014; filiform foliage; Upper Triassic; Scoresby Sund, East Greenland.
- RHETINOTHECA** Leisman and Peters, 1970.
- Rhetinotheca tetrasolenata* Leisman and Peters, 1970, p. 871-873, figs. 1-16; pteridosperm male fructification; Middle Pennsylvanian; Sahara coal mine, Williamson County, Illinois, U.S.A.
- RHYNCHOSPERMA** Taylor and Eggert, 1967.
- Rhynchosperma quinnii* Taylor and Eggert, 1967, p. 984-991, figs. 1-25, petrified seed; Upper Mississippian; Washington County, Arkansas, U.S.A.
- RIBOIDOXYLON** Page, 1970.
- Riboidoxylon cretaceae* Page, 1970, p. 1141, 1143, figs. 7, 9-11; stem of angiospermous wood; Upper Cretaceous; Stanislaus County, central California, U.S.A.
- RIGBYOCARPUS** Tidwell, 1967.
- Rigbyocarpus ebracteatus* Tidwell, 1967, p. 57, pl. 10, figs. 3, 7; table 6; seed; Lower Pennsylvanian; Utah, U.S.A.
- RIMILATERICUTIS** Roselt and Schneider, 1969.
- Rimilatericutis tenuis* Roselt and Schneider, 1969, p. 81-82, fig. 31; pl. 19, fig. 2; cuticle, probably Dioscoraceae; lower Miocene; Wiesa near Kamenz, Upper Lusatia, East Germany.
- RISSIKIA** Townrow, 1967.
- Rissikia media* (Tenison Woods, 1883) Townrow, 1967, p. 103-111, 115, 117, 121, pl. 1a-b, e-h; pl. 2a-c, f, h, i; leafy shoots, pollen and seed cones, Podocarpaceae; Upper Triassic; Queensland, Australia.
- ROBINOXYLON** Müller-Stoll und Mädél, 1967.
- Robinoxylon zirkelii* (Platen) Müller-Stoll and Mädél, 1967, p. 145-147, pl. 38, figs. 90, 91; pl. 39, fig. 92; fig. 13; wood, Leguminosae; Niobrara River, northern Nebraska, U.S.A.
- ROSENKRANTZIA** Koch, 1972.
- Rosenkrantzia picrodendroides* Koch, 1972, p. 7-18, 20, figs. 2-5, 11; pls. 1-18; dicotyledonous fruit; Upper Cretaceous; Nûgsuaq, West Greenland.
- ROSTOPORELLA** Segonzac, 1970.
- Rostoporella oviformis* Segonzac, 1970, p. 339, pl. 20, fig. 19; algae Acetabulariaceae; lower Tertiary; southern France.
- ROTUNDOLEPIS** Bock, 1969.
- Rotundolepis intermedia* Bock, 1969, p. 294-298, figs. 506-515; coniferous foliage (?Voltziales); Triassic; Carversville, Pennsylvania, U.S.A.
- RUNCARIA** Stockmans, 1968.
- Runcaria heinzelinii* Stockmans, 1968, p. 35-36, pl. 7, figs. 5-9b; possibly a pteridospermaceous seed, compared with *Condrusia*; Middle Devonian; Brabant Massif region, central Belgium.
- RUSSELLITES** Mamay, 1968.
- Russellites taeniata* (Darrah) Mamay, 1968, p. 1-9, pls. 1-3; cycad-like fronds; Lower Permian; Baylor County, Texas, U.S.A.

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- SACHALINIA** Vakhrameev, 1968.
- Sachalinia sachalinensis* Vakhrameev, 1968, p. 10-11, figs. 3, 4;

- pl. 2, figs. 1, 2; pl. 3, figs. 1, 2; pl. 4, figs. 3, 4; fern; Upper Cretaceous; Tatarsk depression Sakhalin, U.S.S.R.
- SAJAKIA** Senkevich, 1961.
Sajakia rhomoidea Senkevich, 1961, p. 180-181, fig. 10, pl. 31, figs. 3-5; lycopod, Leptophloeaceae; Upper Devonian; northeastern Pribalkhash, Kazakhstan, U.S.S.R.
- SAJANIA** Vologdin, 1962.
Sajania frondosa Vologdin, 1962, pt. 2, p. 482-483, pl. 5, fig. 4; algae, Sajaniaceae; Middle Cambrian; northwestern branch of the eastern Sayan Mountains, central Siberia, U.S.S.R.
- SAKKIONELLA** Segonzac, 1970.
Sakkionella avallanensis Segonzac, 1970, p. 1881-1882, figs. 1, 2; reproductive organ, Dasycladales; upper Paleocene; Pyrénées, Ariège, France.
- SAROSIELLA** Segonzac, 1972.
SarosIELla fermollis Segonzac, 1972, p. 394-396, pl. 1, figs. 1-6; alga; Paleocene; The Pyrénées, Haute-Garonne, Aude and Ariège, southern France.
- SATSANGIA** Srivastava and Maheshwari, 1973.
Satsangia campanulata Srivastava and Maheshwari, 1973, p. 222-227, figs. 1-3; pl. 1, figs. 1-6; ?fructification incertae sedis; Triassic; Nidpuri, Sidhi district, Madhya Pradesh, India.
- SWADONIA** Hueber, 1971.
Swadonia ornata (Dawson, 1871) Hueber, 1971b, p. 641-642; a new name for *Psilophyton princeps* var. *ornatum*; stems, Zosterophylaceae; Devonian; Gaspé bay, Canada.
- SAXONICUTIS** Roselt and Schneider, 1969.
Saxonicutis ancoriterminata Roselt and Schneider, 1969, p. 72-73, fig. 7a; pl. 17, figs. 1, 2; cuticle of undetermined dicotyledon; Wetrop, Upper Lusatia, East Germany.
- SCANDOPHYCUS** Vologdin, 1962.
Scandophycus cristobilis Vologdin, 1962, pt. 1, p. 296-298, figs. 76b, 77, 78, pl. 71, figs. 1, 2a; pl. 72, figs. 1-3; stromatolite, Scandophycaceae; middle Sinian; right bank of the Nizhney Tunkuska, Turukhansk region, U.S.S.R., and Algeria, northwestern Africa.
- SCHUGURIA** Chirkova-Zalesskaya, 1959.
Schuguria ornata Chirkova-Zalesskaya, 1959, p. 92-95, figs. 88-95; pl. 11, figs. 58-59; pl. 18, figs. 101-106; pl. 19, figs. 107-110; pl. 20, figs. 111-112; pl. 21, figs. 113-114; pl. 22, figs. 115-117; pl. 23, figs. 119-121; pl. 32, fig. 180; cuticle, incertae sedis; Devonian; Ural-Volga area, U.S.S.R.
- SCIADOPHYTOPSIS** Ishchenko, 1968.
Sciadophytopsis triassicum Ishchenko, in Karandievskiy, Ishchenko and Kir'yamnov, 1968, p. 90-93, fig. 12a, b; pl. 14, figs. 6-8; pl. 15, figs. 1-5; pl. 16, fig. 1; rosettelike plant and sporangia, Sciadophytaceae; Lower Devonian; left bank of the Dnestra, Volyn-Podolia, U.S.S.R.
- SCIADOPITOPHYLLUM** Christophel, 1973.
Sciadopitophyllum canadense Christophel, 1973, p. 61-65, figs. 2-10; compression of conifer shoots and leaves; Upper Cretaceous to Paleogene; Smokey Tower location, western Alberta, Canada.
- SCIADOPITYCUTIS** Schneider, 1969.
Sciadopitycutis marcodurensis (Ermelling, 1955) Schneider, 1969, p. 26, 27, pl. 8, fig. 6; cuticle, Sciadopityaceae; middle Miocene; Hosena near Senftenberg, Lower Lusatia, east-central Germany.
- SCOTOXYLON** Vogellehner, 1968.
Scotoxylon hornei (Seward and Bancroft, 1913) Vogellehner, 1968, p. 150-151; gymnospermous wood, Protopinaceae; Upper Jurassic; Helmsdale, Sutherland, Scotland.
- SELESICUTIS** Roselt and Schneider, 1969.
Selesicutis prosenchymatica Roselt and Schneider, 1969, p. 80-81, fig. 30; pl. 20, fig. 1; cuticle, incertae sedis; upper Lower Carboniferous; Upper Silesia, east-central Europe.
- SEPTOMEDULLOPITYS** Lepekhina, 1969.
Septomedullopitys sibirica Lepekhina, 1969, p. 137-139, pl. 5, fig. 6; pl. 6, figs. 1-7; wood with xylem; Upper Permian; Kuznets basin, Kemerova Oblast, U.S.S.R.
- SERLIGIA** Korde, 1973.
Serligia fragilis Korde, 1973, p. 143-145, figs. 13, 14; pl. 20, figs. 2-4; pl. 21, figs. 1-5; algae, Serligiaceae; Lower Cambrian; Serlig river, eastern Tannu-Ola, U.S.S.R.
- SERMAYA** Eggert and Delevoryas, 1967.
Sermaya biseriata Eggert and Delevoryas, 1967, p. 172-178, pls. 34-

- 38; fern, Sermayaceae; Upper Pennsylvanian; Berryville, Illinois, U.S.A.
- SERTOSTROBUS** Grauvogel-Stamm, 1969.
Sertostrobus laxus Grauvogel-Stamm, 1969, p. 112-116, figs. 11, 12, 13; pl. 2, figs. 9-18; coniferous male cone; Lower Triassic; Vosges, Lorraine, eastern France.
- SESSAOXYLON** Koeniguer, 1971.
Sessaoxylon paleocenicum Koeniguer, 1971, p. 313-320, figs. 5-8; pl. 2, figs. 1-4; wood, incertae sedis; Paleocene; Krebb de Sessao, Niger, Africa.
- SEWARDIOXYLON** Gupta, 1971.
Sewardioxylon sahnii Gupta, 1971, p. 160-165, figs. 1, 2; pls. 35, 36, figs. 1-19; cycadean wood, Cycadopsida; Jurassic; Rajmahal Hills, Bihar, India.
- SGROSSOELLA** De Castro, 1969.
Sgrossoella parthenopeia De Castro, 1969, p. 90-102, 112-153, figs. 1, 4-6; pls. 1-20, algae, Chlorophyceae; Upper Cretaceous; Campania, southern Italy.
- SHANGANELLA** Vologdin, 1969.
Shanganella tuvaica Vologdin, 1969, p. 1377-1378, figs. 1, 3a, v, b; blue-green algae, Shanganellaceae; Lower Cambrian; Ulug-Shangan canyon, Tuva, southern Siberia, U.S.S.R.
- SIAMPORIDIUM** Endô, 1969.
Siamporidium elongatum Endô, 1969, p. 39-40, fig. 1; pl. 5, fig. 5; pl. 6, figs. 1, 2; pl. 7, figs. 1-3; algae, Corallinaceae; Permian; Thailand.
- SIDERINIUM** Prakash and Awasthi, (1969) 1970.
Siderinium demaliense Prakash and Awasthi, (1969) 1970, p. 40-41, pl. 6, figs. 33-37; silicified wood, compared with modern wood, incertae sedis; Tertiary; Namsang river bed near Deomali, Assam, India.
- SILICOPHYLLUM** Weyland, Kilpper and Berendt, 1967.
Silicophyllum heerlense, Weyland, Kilpper and Berendt, 1967, p. 163-166, figs. 23-30; pl. 31, figs. 39-42; pl. 32, figs. 43-47; dicotyledonous leaves; Miocene; Heerlen, Limburg province, southeast Netherlands.
- SINUATOPORELLA** Gnilovskaya, 1972.
Sinuatoporella bucera Gnilovskaya, 1972, p. 93-96, fig. 42; pl. 9, figs. 1, 2, 4; alga, Codiaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.
- SLIVKOVIA** Meyen, 1969.
Slivkovia petschorensis Meyen, 1969, p. 97-100, figs. 5, 6; pl. 15, figs. 1-13; shoots and foliage, incertae sedis; Permian; Pechoria, Cisurals, U.S.S.R.
- SOGDIANIA** Burakova, 1971.
Sogdiania abdita Burakova, 1971, p. 3-7, pl., figs. 1a, 1b, 1v, 1g; ?reproductive structure, incertae sedis; Middle Jurassic; near Yaksho-Saydun village, left bank of the Obi-Niou river, western Siberia, U.S.S.R.
- SONNERATORRHIZOS** Chitaley (1968) 1969.
Sonneratorrhizos raoi Chitaley (1968) 1969, p. 244-246, figs. 1-8; pl. 1, figs. 1-6; root, dicotyledon; probably Paleocene; Mongaonkalan, Chhindwara district, Madhya Pradesh, India.
- SPHAEROCARYA** Dorofeev, 1970.
Sphaerocarya uralensis Dorofeev, 1970, p. 36-38, fig. 3; pl. 6, figs. 1-10; endocarp, Juglandaceae; Miocene; middle Urals, Visim district, Sverdlovsk region, U.S.S.R.
- SPHAEROPORELLA** Antropov, 1967.
Sphaeroporella aksubaica Antropov, 1967, p. 122-123, pl. 27, figs. 1-3; algae, Siphonales; Lower Carboniferous; central part of the east Russian platform, U.S.S.R.
- SPHAEROTHALLUS** Vologdin, 1962.
Sphaerothallus spissus Vologdin, 1962, pt. 1, p. 298-300, fig. 79; pl. 73, figs. 1-3; stromatolite. Scandophycaceae; middle Sinian; right bank of the Nizhney Tunguska, about 11 km from the mouth, Turukhansk region, U.S.S.R.
- SPINCTOPORELLA** Mamet and Rudloff, 1972.
Spinctoporella lisburnensis Mamet and Rudloff, 1972, p. 84, pl. 4, figs. 1-6; algae, Dasycladaceae; Carboniferous; Itkillik and Shainin Lakes, Alaska, U.S.A.
- SPINOPALMOXYLON** Weyland, Kilpper and Berendt, 1966.
Spinopalmoxyton daemonorops (Unger, 1860) Weyland, Kilpper and Berendt, 1966, p. 88; spine-bearing palm, Arecaceae; Tertiary; Wetterau, West Germany.
- SPORINULA** Korde, 1973.
Sporinula palmata Korde, 1973, p. 149-150, pl. 25, fig. 2; algae, Tomentulaceae; Lower Cambrian;

- Bazaikha river, eastern Sayan, U.S.S.R.
- SQUAMOPHYLLUM** G. P. Radchenko, 1934.
- Squamophyllum actaeonelloides* (Geinitz, 1871) G. P. Radchenko, 1934, p. 35, 37, pl. 12, figs. 9-12; scaly cordaitean leaves; Permian; Kuznetsk basin; south-central Siberia, U.S.S.R.
- STACHEIA** Brady, 1876.
- Stacheia marginuloides* Brady, 1876, Petryk and Mamet, 1972, p. 784, calcareous algae (originally described by Brady as a foraminifer); Carboniferous; England and Scotland.
- STACHEOIDES** Cummings, 1955.
- Stacheoides palytrematoides* (Brady, 1876), Petryk and Mamet, 1972, p. 785; calcareous algae (originally described by Brady and later by Cummings as Foraminifera); Carboniferous; England and Scotland.
- STEGANOTHECA** Edwards, 1970.
- Steganotheca striata* Edwards, 1970, p. 451-454, fig. 1; pl. 84, figs. 1-6; pl. 85, figs. 1-8; branching axes with terminal sporangia, Rhyniacea; Lower Devonian, South Wales, Great Britain.
- STOLBERGIA** Fairon, 1967.
- Stolbergia spiralis* Fairon, 1967, p. 23-24, pl. 1, figs. 1-4; pl. 2, figs. 5-12; pl. 3, figs. 13, 15-16, 19-21; pl. 4, figs. 22-27; axis, incertae sedis (?psilophyte); Middle Devonian; Stolberg, West Germany.
- STRIATOTAXUS** Bock, 1969.
- Striatotaxus longifolia* (Emmons) Bock, 1969, p. 335-338, figs. 575-582; for *Walchia longifolia* Emmons, 1857) coniferous foliage (?Taxales); Triassic; Carversville, Pennsylvania, U.S.A.
- STRIATATHALLUS** Krasilov, 1973.
- Striatothallus adnicanicus* Krasilov, 1973, p. 98-99, pl. 44, figs. 33-44; pl. 45, figs. 45-57; bryophyte, Hepaticae; Early Cretaceous; Bureya basin, near the mouth of the Adnican river, U.S.S.R.
- SUERIA** Menendez, 1965.
- Sueri rectinervis* Menendez, 1965, p. 75-79, pls. 1-4; leaves and stoma, Cycadales; lowermost Cretaceous; Ticó, Santa Cruz province, Argentina.
- SUJFUNOPHYLLUM** Krasilov, 1967.
- Sujfunophyllum dichotomum* Krasilov, 1967, p. 227, 230, fig. 30 zh; pl. 85, figs. 1-7; leaves Gymnospermae, incertae sedis; Lower Cretaceous; southern Maritime Territory, U.S.S.R.
- SULCOCLADUS** Stockmans, 1968.
- Sulcocladus multipunctatus* Stockmans, 1968, p. 32, 33, pl. 13, figs. 1-4; similar to calamophyton (calamarian?), incertae sedis; Middle Devonian; Brabant Massif region, central Belgium.
- SUPPILULIMAELLA** Elliott, 1968.
- Suppilulimaella polyreme* Elliott, 1968, p. 495-496, pl. 95, figs. 1-4; algae, Dasycladaceae; Lower Cretaceous, Turkey.
- SURANGEA** Chitaley and Sheikh, (1971) 1972.
- Surangea mohgaense* Chitaley and Sheikh, (1971) 1972, p. 123-126, figs. 1-4; pl. 1, figs. 1-8; a pteridophytic fructification, incertae sedis; Paleocene; Mohgaonkalan, Madhya Pradesh, India.
- SVALBARDOXYLON** Vogellegner, 1968.
- Svalbardoxylon johnsonii* (Schroter, in Heer, 1880) Vogellegner, 1968, p. 152-154; gymnospermous wood, Protopinaceae; Cape Dufferin, Spitsbergen.
- SWINTONIOXYLON** Prakash and Tripathi, 1968.
- Swintonioxylon hailkandense* Prakash and Tripathi, 1968, p. 115-116, figs. 3, 4; wood, compared with the modern wood *Swintonia floribunda*; Tertiary; Hailakanda, Cachar district, Assam, India.

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- TAENIOPHYTON** Weyland and Berendt, 1968.
- Taeniophyton inopinatum* Weyland and Berendt, 1968, p. 172-174, fig. 1; pl. 27, figs. 1-9; pl. 28, figs. 10-14; compared with *Taenioocrada*, ?Rhyniacea; Middle Devonian; Wuppertal-Elberfeld, West Germany.
- TANINIA** Korde, 1973.
- Taninia tomentosa* Korde, 1973, p. 150-151, pl. 25, fig. 3; pl. 26, fig. 1; algae, Tomentulaceae; Lower Cambrian; Bazaikha River, eastern Sayan, Kuznetskiy Alatau, Sahashtykgol river, Western Sayan, U.S.S.R.
- TANTALLOSPERMA** Barnard and Long, 1973.
- Tantalosperma setigera* Barnard and Long, 1973, p. 99-103, fig. 5; pl. 2, fig. 21; pl. 4, figs. 30-40; seed, closely associated with the stem *Buteoxylon gordonianum* but its relationship has not been es-

- lished; Upper Carboniferous; Oxroad Bay, East Lothian, Scotland.
- TARIOUFETIA** Bertrand-Sarfati, 1972.
Tarioufetia hemispherica Bertrand-Sarfati, 1972, p. 56-60, figs. 13, 16, 17; stromatolite; upper Precambrian; Mauritania, Sahara Occidental.
- TATARINA** Meyen, 1969.
Tatarina olferievii Meyen, 1969, p. 99-100, pl. 4, figs. 1-9; leaf epidermis, incertae sedis; Upper Permian; right bank of Vokhma river, right tributary of Vetluga river, Kirovskaya Oblast, U.S.S.R.
- TAXOXYLUM** Unger, 1842.
Taxoxylum aykii (Göppert, 1841, non Ad. Brong.) Unger, 1842, p. 33. See also Unger, in Endlicher, 1847, p. 308. Later spelling: *Taxoxylon aykei*, Unger, 1850, p. 390; coniferous wood; Miocene; Hungary.
- TCHAUNIA** Samy'lina and Filippova, 1970.
Tchaunia tchaunensis Samy'lina and Filippova, 1970, p. 92-94, fig. 3; pl. 12, figs. 1-5; fern, ?Dicksoniaceae; Cretaceous; northeastern U.S.S.R.
- TEDELEA** Eggert and Taylor, 1966.
Tedelea glabra (Baxter) Eggert and Taylor, 1966, p. 54-70, figs. 1-8; pls. 8-11; fern, Tedeleaceae; Middle Pennsylvanian; Illinois, Indiana, and Kansas, U.S.A.
- TELANGIOPSIS** Eggert and Taylor, 1971.
Telangiopsis arkansanum Eggert and Taylor, 1971, p. 30-37, figs. 1-8; compressed synangiate pollen organ; Upper Mississippian; Lake Lincoln damsite, Washington County, Arkansas, U.S.A.
- TELASTROMA** Vologdin, 1962.
Telastroma tenuirimulatum, Vologdin, 1962, pt. 1, p. 241-244, pl. 45, figs. 1-3; stromatolite, Telastromataceae; Sinian; region of the lower Nizhney Tunguska, left bank, Durnoy cape, Turukhansk, U.S.S.R.
- TETrameleoxylon** Lakhnapal and Verma, (1965) 1966.
Tetrameleoxylon prenudiviflora Lakhnapal and Verma, (1965) 1966, p. 209-212 figs. 1, 2; dicotyledonous wood; Tertiary (probably Lower Eocene); Mohgaonkalan, Madhya Pradesh, India.
- TETRAPLEUROXYLON** Müller-Stoll and Mädler, 1967.
Tetrapleuroxylon ingaeforme (Fe-
- lix) Müller-Stoll and Mädler, 1967, p. 113-114, fig. 4; pl. 28, figs. 20, 21; pl. 29, fig. 26; wood, Leguminosae; Tertiary; Brazil.
- TEXTURATA** Gnilovskaya, 1972.
Texturata tubulosa Gnilovskaya, 1972, p. 122-124, pl. 14, fig. 1; alga, Moniliporellaceae; Upper Ordovician; central Kazakhstan, U.S.S.R.
- THAILANDOPORELLA** Endö, 1969.
Thailandoporella phlongphrabensis Endö, 1969, p. 66-67, fig. 3; pl. 22, figs. 8-9; pl. 25, figs. 2, 3; algae, Dasycladaceae; Permian; Thailand.
- THAINGUYENOPTERIS** Srebrodolskaya, 1969.
Thainguyenopteris parvipinnulata Srebrodolskaya, 1969, p. 87-98, figs. 1-3; pl. 1, figs. 1-6; pl. 2, figs. 1, 1a, 1b; foliage, Filicinae, incertae sedis; Upper Triassic; northern Viet Nam.
- THAMNOCLADITES** Stockmans, 1968.
Thamnocladites vanopdenboschii Stockmans, 1968, p. 39-40, pl. 1, figs. 1-7; pl. 14, fig. 8; axes, incertae sedis; Middle Devonian; Brabant Massif region, central Belgium.
- THARMA** Wray, 1967.
Tharma glauca Wray, 1967, p. 1921, fig. 7; pl. 4, figs. 1-5; aldae, incertae sedis; Upper Devonian; Canning basin, Western Australia.
- THUJADENDRON** Bock, 1969.
Thujadendron pristinum Bock, 1969, p. 352-356, figs. 619-626; coniferous fragments (?Cupressaceae); Triassic; Turners Falls, Massachusetts, U.S.A.
- THUJATOSTROBUS** Bock, 1969.
Thujatostrobus triassicus Bock, 1969, p. 350-352, figs. 615-618; coniferous cone scales (?Cupressaceae); Triassic; Gwynedd, Pennsylvania, U.S.A.
- THURINGICUTIS** Roselt and Schneider, 1969.
Thuringicutis Tenurimata Roselt and Schneider, 1969, p. 70, fig. 21; pl. 14, figs. 1-4; cuticle of undetermined dicotyledon; upper Eocene; Profen near Seitz, East Germany.
- TIMANELLA** Vologdin, 1969.
Timanella gigas Vologdin, 1969, p. 672-675, 4 figs., siphon algae, Timanellaceae; upper Proterozoic; western zone of the Timan mountain range, U.S.S.R.

- TINSLEYA** Mamay, 1966.
Tinsleya texana Mamay, 1966, p. E10-E11, figs. 1, 2; pls. 1-3; fronds with laminally borne seeds, Callipteridaea; Lower Permian; Baylor County, Texas, U.S.A.
- TIRASSIA** Ischenko, 1968.
Tirassia incisa Ischenko in Karandievskiy, Ischenko and Kir'yanov, 1968, p. 105-106, pl. 22, figs. 4-8, reproductive organ, incertae sedis; Lower Devonian; right and left banks of the Dnestra, Volyn-Podolia, U.S.S.R.
- TOLLIYA** Sveshnikova and Budantsev, 1969.
Tollic cunninghamioides Sveshnikova and Budantsev, 1969, p. 84-85, pl. 32, figs. 3-49; pl. 33, figs. 4-22; leaves, Taxodiaceae; Upper Cretaceous; Derevyannye Mountain; New Siberian Islands, U.S.S.R.
- TOMENTULA** Korde, 1973.
Tomentula villosa Korde, 1973, p. 147-148, fig. 8; pl. 22, fig. 4; pl. 23, fig. 1; algae, Tomentulaceae; Lower Cambrian; Bazaikha river, eastern Sayan, U.S.S.R.
- TORETZIA** Stanislavsky, 1973.
Toretzia angustifolia Stanislavsky, 1973, p. 91, 93-94, fig. 1a-g; pl. 12, figs. 1-3; branch bearing shoots with megastrobili, Ginkgoales, Toretziaceae; Upper Triassic; Raysko hamlet, Kazennyy Torets river, northwestern outskirts of the Donets basin, U.S.S.R.
- TORTKOPHYTON** Yurina, 1969.
Tortkophyton globosum Yurina, 1969, p. 72-73, fig. 35; pl. 29, figs. 1-4; zygopterid fructification; Devonian; central Kazakhstan, U.S.S.R.
- TRIADOSTROBUS** Bock, 1969.
Triadostrobos fenestraeformis Bock, 1969, p. 330-331, figs. 567-572; cones, incertae sedis; Triassic; Winterpock, Virginia, U.S.A.
- TRIASCOCOLADUS** Archangelsky, 1966.
Triascoclandus tigrensis Archangelsky, 1966, p. 276-280, figs. 21, 25; pl. 4, fig. 21; pl. 5, figs. 22-39; pl. 8, figs. 56-67; air bladders, gymnospermous leaves, Podocarpaceae; Lower Cretaceous; Santa Cruz province, Argentina.
- TRIASSIFLORITES** Bock, 1969.
Triassiflorites grandiflora Bock, 1969, p. 265-275, figs. 442-462; fruiting body, incertae sedis; Triassic; Winterpock, Virginia, U.S.A.
- TRICHOSTROMA** Vologdin, 1962.
Trichostroma capilliforme Vologdin, 1962, pt. 1, p. 253-255, fig. 52; pl. 49, figs. 1-4; stromatolite, Trichostromataceae; Sinian; right bank of the lower Nizhney Tunguska, Durnoy cape, Turukhansk region, U.S.S.R.
- TRICLYPELLA** Grambast, 1969.
Triclypella calcitrapa Grambast, 1969, p. 878, 881, pl. 1, figs. 1a-7; charophyte, Clavatoraceae; Cretaceous; Castellon province, Spain.
- TRICOSTIUM** Krasilov, 1973.
Tricostium papillosum Krasilov, 1973, p. 100-101, pl. 48, figs. 75-86; stem fragments and serrate leaves, bryophyte, Musci; Late Jurassic; Bureya basin, near the mouth of the Umalta river, U.S.S.R.
- TRILOBOXYLON** Matten and Banks, 1966.
Triloboxylon ashlandicum Matten and Banks, 1966, p. 1020-1026, figs. 1-18; pteridopsid axes; Upper Devonian; northern Catskills, New York State, U.S.A.
- TRYASOTAENIA** Gnilovskaya, 1971.
Tryasotaenia podolica Gnilovskaya, 1971, p. 106-107, pl. 11, figs. 1-5; algae, Vendotaenides; upper Precambrian; Dniester region of Podolia and Moldavia, U.S.S.R.
- TUBERCULARIA** Vologdin, 1962.
Tubercularia latiuscula Vologdin, 1962, pt. 2, p. 488-489, fig. 7; pl. 7, figs. 1a, 2a; stromatolite, Scandophyceae; upper Lower Cambrian; Yanguda river basin, U.S.S.R.
- TUBERICUTIS** Roselt and Schneider, 1969.
Tubericutis hemisphaeria Roselt and Schneider, 1969, p. 74-75, figs. 24, 25; pl. 18, figs. 1-3; cuticle of undetermined dicotyledon; upper Eocene; Lochau near Halle, East Germany.
- TUBOMORPHYTON** Korde, 1973.
Tubomorphyton botomense (*Epiphyton botomense* Korde, 1955) Korde, 1973, p. 204-205, algae, Epiphytaceae; Lower Cambrian; Lena river, Botoma, Mukhatta, Yakutsk, U.S.S.R.
- TUBULISTROMA** Vologdin, 1962.
Tubulistroma scrofulosum Vologdin, 1962, pt. 1; p. 310-312, fig. 89; pl. 77, fig. 1; algae, Porostromataceae; upper Sinian; Borlog river, Burul'deyka river system, southwestern Cisbaikal, U.S.S.R.
- TUMIDOPHYTON** Vologdin, 1962.
Tumidophyton nucamentum Volog-

- din, 1962, pt. 2, p. 494-495, fig. 11; pl. 11, fig. 3; stromatolite, Tumidophyceae; Lower Cambrian; area of the upper course of the Lena, Irkutsk, Oblast, U.S.S.R.
- TUNGUSSOCARPUS** Sukhov, 1969.
Tungussocarpus tychtensis (Zalessky, 1937) Sukhov, 1969, p. 163-166, pl. 26, figs. 1-7; gymnosperm seed; Permian; Kuznets and Tunguska basins, central Siberia, U.S.S.R.
- TUNGUSSOPTERIS** Vladimirovich, 1967.
Tungussopteris sphenopteroides Vladimirovich in Vladimirovich and others, 1967, p. 24-25, fig. 3; fern; Lower Triassic; Tunguska basin, central Siberia, U.S.S.R.
- TUNIKATA** Krylov, 1969.
Tunikata nochtuica Krylov, in Krylov, Korolyuk and Siderov, 1969, p. 210-212, figs. 58-60; pl. 42, figs. 1-4; pl. 43, figs. 1, 2; stromatolite; Precambrian; near Nokhtuyysk village, Yakutsk Oblast, northeastern Siberia, U.S.S.R.
- TURKESTANIOXYLON** Khudayberdyev, 1971.
Turkestanioxylon metasequoianum Khudayberdyev, in Khudayberdyev, Gomolitskii and Lobanova, 1971, p. 37-40, pl. 27, figs. 1-4; wood, Taxodiaceae; Upper Cretaceous; northern slope of Turkestan range, Uzbekskoy SSR.
- TUZHKOVIELLA** Vladimirovich, 1972.
Tuzhkovella elegans Vladimirovich, 1972, p. 96-97, pl. 2, fig. 2; fernlike foliage; Middle Triassic; Orenburg, Ural region, U.S.S.R.
- TYPHAEPHYLLUM** Prakash and Boureau, 1970.
Typhaephyllum scammoni Prakash and Boureau, 1970, p. 94-95, 101-105, fig. 11, pls. 1-5, figs. 1-10; herbaceous dicotyledon, Typhaceae; upper Miocene; Vantage, Kittitas County, Washington, U.S.A.
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- UMALTOLEPSIS** Krasilov, 1972.
Umaltolepis vachrameevii Krasilov, 1972, p. 62-64, fig. 10n-p, f; pl. 21, fig. 5a; pl. 22, figs. 5-8; pl. 23, figs. 1, 2, 5-7, 13; ginkgophyte seed, Pseudotorelliaceae; Upper Jurassic; right bank of the Bureya river, Uman'tinski section, Khavaroosk Kray, U.S.S.R.
- UMBELLULA** Korde, 1973.
Umbellula minuta Korde, 1973, p. 135, pl. 15, fig. 3; algae, Cambriacaeae; Lower Cambrian; Baizaikha river, eastern Sayan, U.S.S.R.
- URALIA** Chirkova-Zaleskaya, 1959.
Uralia bella Chirkova-Zaleskaya, 1959, p. 86-88, figs. 77-79; pl. 6, figs. 29-31; pl. 25, figs. 125, 126; sporangia, ?Trimerophytina; Devonian; Ural-Volga area, U.S.S.R.
- UTERIOIDES** Segonzac, 1970.
Uterioides copiosus Segonzac, 1970, p. 1883-1884, fig. 3a-4; reproductive organ, Dasycladales; upper Paleocene; Pyrenees.
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- VALMEYERODENDRON** Jennings, 1972.
Valmeyerodendron triangularifolium Jennings, 1972, p. 74-80, fig. 3; pls. 17-21, figs. 1-45; lycopod stems, cuticle and leaves; affinities with Sublepidodendraceae close; Trout Hollow, Monroe County, Illinois, U.S.A.
- VARIPLICUTIS** Schneider, 1969.
Varipilicutis liblarensis (Krausel and Weyland, 1954) Schneider, 1969, p. 27, 28, fig. 6; pl. 9, fig. 1; cuticle. Discoreaceae; upper Oligocene; Liblar, West Germany.
- VENDOTAENIA** Gnilovskaya, 1971.
Vendotaenia antiqua Gnilovskaya, 1971, p. 105-106, pl. 11, figs. 6-8; algae, Vendotaenidae; upper Precambrian; Leningrad province, Dniester region of Podolia, U.S.S.R.
- VERSIPALMICUTIS** Schneider, 1969.
Versipalmicutis undulata Schneider, 1969, p. 28-29, pl. 9, figs. 3, 4; cuticle, Palmae; middle Miocene; Tagebau Spreetal, Lower Lusatia, east-central Germany.
- VERTICILIAPHYTON** Baxter, 1967.
Verticiliaphyton paradoxum Baxter, 1967, p. 71-76, figs. 1-17; woody axis, incertae sedis; Middle Pennsylvanian; Oskaloosa, Iowa, U.S.A.
- VESICOPHYTON** Vologdin and Drozdova, 1969.
Vesicophyton punctatum Vologdin and Drozdova, 1969, p. 1419-1421, fig. 1:1-6; microscopic colonial algae, Gloeocapsaceae; Precambrian; Batenev ridge, Krasnoyarskiy Kray, U.S.S.R.

VESICULARIA Vologdin 1962.

W

Vesicularia nidifica Vologdin, 1962, pt. 1, p. 226-228, fig. 36; pl. 39, figs. 1, 2; stromatolite, Vesiculariaceae; upper Sinian; Borlog river, tributary of Burul'deyka river, southwest of Cisbaikal, U.S.S.R.

VILLOSOPORELLA Gnilovskaya, 1972.

Villosoporella villosa Gnilovskaya, 1972, p. 124-126, fig. 54; pl. 14, fig. 2; alga, Moniliporellaceae; Upper Ordovician; eastern Kazakhstan, U.S.S.R.

VINEA Wolfe, 1968.

Vinea pugetensis Wolfe, 1968, p. 14-15, fig. 4; pl. 2, fig. 3; leaves, Juglandaceae; lower Tertiary; King County, Washington, U.S.A.

VIRGATICUTIS Roselt and Schneider, 1969.

Virgaticutis brevivirgata Roselt and Schneider, 1969, p. 71, 72, fig. 23, pl. 14, fig. 2; cuticle, undetermined dicotyledon; middle Miocene; Nochten, lower Lusatia, Germany.

VIRGIMPARICUTIS Roselt and Schneider, 1969.

Virgimparicutis iugata Roselt and Schneider, 1969, p. 76-77, fig. 26; pl. 17, figs. 3, 4; cuticle, probably Cruciferae; middle Miocene; Sedlitz, lower Lusatia, Germany.

VITTOPHYTON Vologdin, 1962.

Vittophyton parvum Vologdin, 1962, pt. 1, p. 294-295, fig. 76a; pl. 71, figs. 2b, 3; stromatolite, Plexostromataceae; right bank of the Nizhney Tunguska, about 34 km from the mouth, Turukhansk region, U.S.S.R.

VOLOGDINA Korde, 1973.

Vologdina verticilata Korde, 1973, p. 137-138, fig. 6; pl. 16, fig. 1; pl. 25, fig. 1; algae, Cambrinaceae; Lower Cambrian; Bazaikha river, eastern Sayan U.S.S.R.

VOLTZIOSTROBUS Grauvogel-Stamm, 1969.

Voltziostrobos schimperi Grauvogel-Stamm, 1969, p. 105-112, figs. 6a, b, 7a, 8a-m, 10a, b; pl. 3, figs. 1-11; coniferous male cone; Lower Triassic; Vosges, Lorraine, eastern France.

VOYRIOSEMINTES Trivedi and Chaturvedi, (1971) 1972.

Voyrioseminites magnus Trivedi and Chaturvedi (1971) 1972, p. 161-164, figs. 1, 2; pl. 1, fig. 1; seed, ?Gentianaceae; Eocene; about 10 miles west of Kuala Lumpur, Malaya.

WALCHIARAUCARIA Bock, 1969.

Walchiaraucaria permianensis Bock, 1969, p. 302-308, figs. 518-527; coniferous foliage (?Araucariaceae); Permian; Placerville, Colorado, U.S.A.

WANKIEA Lacey and Huard-Moine, 1966.

Wankiea bondii Lacey and Huard-Moine, 1966, p. 22, fig. 3; pl. 4, figs. 30, 31; branching fructification; Lower Permian; Wankie beds, southern Rhodesia.

WATTIA Mamay, 1967.

Wattia texana Mamay, 1967, p. C124-C125, fig. 2f, h-k; axes, foliar appendages, systematic affiliation indetermined; Lower Permian; Baylor County, north-central Texas, U.S.A.

WATTIEZA Stockmans, 1968.

Wattieza givetiana Stockmans, 1968, p. 13-14, fig. 1; pl. 2, figs. 7, 7a; stem, Psilophytales; Middle Devonian; Brabant Massif region, central Belgium.

WEISSIA Rothwell and Taylor, 1971a.

Weissia kentuckiense Rothwell and Taylor, 1971a, p. 215-224, figs. 1-20; calamitean cones; upper Paleozoic; eastern Kentucky, U.S.A.

WEISSISTACHYS Rothwell and Taylor, 1971.

Weissistachys kentuckiense (Rothwell and Taylor, 1971) Rothwell and Taylor, 1971b, a new name for *Weissia kentuckiense*, p. 371-372; calamitean cones; upper Paleozoic; eastern Kentucky, U.S.A.

WEYLANDICUTIS Schneider, 1969.

Weylandicutis marcodurensis (Kr. and Wld., 1959) Schneider 1969, p. 16-17, pl. 3, figs. 1-5; cuticle, Ericaceae; middle Miocene; upper Lusatia, east-central Germany.

WILLIAMSONIANTHUS Kräusel and Schaarschmidt, 1966.

Williamsonianthus keuperianus Kräusel and Schaarschmidt, 1966, p. 19-22, pl. 5, figs. 7, 8; pl. 6; pl. 7, figs. 1-8; bennettitalean pollen organ; Middle Triassic; Switzerland.

WILLISIA Wolfe, 1968.

Willisia rentonensis Wolfe, 1968, p. 24-25, fig. 19; pl. 7, figs. 3-5; leaves, Tilliaceae; lower Tertiary; King County, Washington, U.S.A.

WINDOSOPORELLA Mamet and Rudloff, 1972.

Windosoporella radiata Mamet and Rudloff, 1972, p. 83 pl. 3, figs. 18-25, calcareous algae, Dasycladaceae; Carboniferous; Antigonish Milk Plant, Nova Scotia, Canada.

WINGATEA Ash, 1969.

Wingatea plumosa (Daugherty) Ash 1969, p. D38-39 fig. 17; pl. 4, fig. 1; fern; Chinle Formation, Upper Triassic; Fort Wingate area, New Mexico, U.S.A.

Y

YAKUTINA (Korde, 1957) Korde, 1973.

Yakutina aciculata (Korde, 1957) Korde, 1973, a new name for *Sibiriella* Korde; p. 242, fig. 58; algae, Seletonellaceae; Middle Cambrian; Amga river, 1 km beyond Khomustakh village, Yakutsk, U.S.S.R.

YOREKIELLA Krasilov, 1973.

Yorekiella pusiella Krasilov, 1973, p. 101, pl. 49, figs. 87-94; pl. 50,

figs. 95-97; shoot with leaves, bryophyte, Musci; Early Cretaceous; Bureya basin, Bolshoi Yorek river, U.S.S.R.

YORKKOXYLON Vogelhehner, 1968.

Yorkkoxylon cedroides (Holden, 1913) Vogelhehner, 1968, p. 151-152; gymnospermous wood, Protopinaceae; Jurassic; Yorkshire, England.

YUKONELLA Mamet and Rudloff 1972.

Yukonella bamberi Mamet and Rudloff, 1972, p. 87, pl. 5, figs. 24-29; calcareous algae; Carboniferous; Sedgwick Mt., Yukon Territory, Canada.

Z

ZAPORELLA Rácz, (1964) 1966.

Zaporella cantavriensis (1964) 1966, p. 102-103, pl. 1, figs. 4-7; calcareous green algae, ?Dasycladaceae; the San Emiliano and Loisciguera Formations, Carboniferous; Leon province, northwestern Spain.

BIBLIOGRAPHY

- Andrews, H. N., Jr., 1970, Index of generic names of fossil plants, 1820-1965: U.S. Geol. Survey Bull. 1300, 354 p.
- Andrews, H. N., Read, C. B., and Mamay, S. H., 1971, A Devonian lycopod stem with well-preserved cortical tissues: *Palaeontology*, v. 14, pt. 1, p. 1-9, 3 figs., 4 pls.
- Anisimova, O. I., 1973a, *Bambakia*—Novyy rod iz Srednekamennougol'nykh otlozheniy Severnogo Kavkaza [*Bambakia*—New genus from middle Carboniferous deposits of North Caucasus]: *Geol. Zhur.* v. 33, no. 6, p. 140-141, 1 fig.
- 1973b, Novyy rod *Caucasia* iz srednego karbona Severnogo Kavkaza [New genus *Caucasia* from the middle Carboniferous of the North Caucasus]: *Paleont. Zhur.* 1973, no. 2, p. 138-139, 2 figs.
- Antropov, I. A., 1967, Vodorosli Devona i Nizhnego Karbona (Turne) tsentral'noi chasti Vostoka Russkoi platformy in Iskopaemye Vodorosli SSSR [Algae of the Devonian and lower Carboniferous (Tournasian) of the central part of the east Russian platform, in Fossil algae U.S.S.R.]: *Akad. Nauk SSSR, Sibirskoe Otdel., Inst. Geologii i Geofiziki*, p. 118-125, pls. 27, 28.
- Archangelsy, Sergio, 1966, New gymnosperms from the Tico flora, Santa Cruz province, Argentina: *British Mus. (Nat. History) Bull., Geology*, v. 13, no. 5, p. 261-295, figs. 1-38, pls. 1-8, 1 map.
- Archangelsky, Sergio, and De La Sota, E. R., 1966, Estudio anatomico de una neuva Lycopsida del Permico de Bolivia: *La Plata Univ. Nac., Mus. Revista, new ser., Sec. Paleontología.* v. 5, no. 29, p. 17-26, 1 fig., 2 pls.
- Asama, Kazuo, 1970, Evolution and classification of Sphenophyllales in Cathaysia Land: *Nat. Sci. Mus., Tokyo, Bull.*, v. 13, no. 2, p. 291-317, 4 figs., 7 pls.
- Ash, S. R., 1969, Ferns from the Chinle Formation (Upper Triassic) in the Fort Wingate area, New Mexico: *U.S. Geol. Survey Prof. Paper* 613-D, p. D1-D52, figs. 1-19, pls. 1-5.
- 1970, A problematical new plant genus from the Upper Triassic of the southwestern United States: *Palaeontology*, v. 13, pt. 4, p. 646-663, pls. 122-124.
- 1972a, Late Triassic plants from the Chinle Formation in northeastern Arizona: *Palaeontology*, v. 15, pt. 4, p. 598-618, 6 figs., pls. 114-119.
- 1972b, *Marcouia*, gen. nov., a problematical plant from the Late Triassic of the southwestern U.S.A.: *Palaeontology*, v. 15, pt. 3, p. 423-429, fig. 1A-E; pl. 80, figs. 1-9.
- Awasthi, N., 1966, Fossil woods of Anacardiaceae from the Tertiary of south India: *Palaeobotanist (Lucknow, India)*, v. 14, no. 1-3 (1965) p. 131-143, figs. 1-15; pls. 1-4.
- 1969, A new fossil wood belonging to the family Alangiaceae from the Tertiary of south India: *Palaeobotanist (Lucknow India)*, v. 17, no. 3 (1968), p. 322-325, 1 pl., 6 figs.
- 1970, On the occurrence of two new fossil woods belonging to the family Lecythidaceae in the Tertiary rocks of south India: *Paleobotanist (Lucknow,*

- India), v. 18, no. 1, (1965) p. 67-74, figs. 1-10; pls. 1, 2.
- Banks, H. P., Bonamo, P. M., and Grierson, J. D. 1972, *Leclercqia complexa* gen. et sp. nov., a new lycopod from the late Middle Devonian of eastern New York: Rev. Palaeobotany and Palynology, v. 14, no. 1-2 (Spec. issue: Advances in Paleozoic Botany), p. 154-169, 2 figs.; 4 pls.
- Banks, H. P., and Davis, M. R., 1969, *Crenaticaulis*, a new genus of Devonian plants allied to *Zosterophyllum*, and its bearing on the classification of early land plants: Am. Jour. Botany, v. 56, no. 4, p. 436-449, 35 figs.
- Barale, Georges, 1972, *Rhaphidopteris* nouveau nom de genre de feuillage filicoïde mésozoïque: Acad. Sci. [Paris] Comptes rendus, Ser. D, Sci. Nat., v. 274, no. 7, p. 1011-1014.
- Barnard, P. D. W., and Long, A. G., 1973, On the structure of a petrified stem and some associated seeds from the Lower Carboniferous rocks of East Lothian, Scotland: Royal Soc. Edinburgh Trans., v. 69, no. 4, p. 91-108, 5 figs., 4 pls.
- Barthel, Manfred, 1968, "*Pecopteris*" *feminaeformis* (Schlotheim) Sterzel und "*Araucarites*" *spiciformis* Andrae in Germar—Coenopterideen des Stephans und Unteren Perms: Paläontologische Abh., Abt. B-Paläobotanik, v. 2, no. 4, p. 727-733, 4 figs., 4 pls.
- Baxter, R. W., 1967, *Verticillaphyton paradoxum*, a problematical fossil genus of Pennsylvanian age from Iowa coal balls: Kansas Acad. Sci. Trans., v. 70, no. 1, p. 71-76, 17 figs.
- 1971, *Carinostrobus foresmani*, a new lycopod cone genus from the Middle Pennsylvanian of Kansas: Palaeontographica, Abt. B, v. 134, pt. 4-6, p. 124-130, 2 figs., 2 pls.
- Beck, C. B. 1967, *Eddyia sullivanensis*, gen. et sp. nov., a plant of gymnospermic morphology from the Upper Devonian of New York: Palaeontographica, Abt. B, v. 121, pt. 1-3, p. 1-22, 25 figs., 7 pls.
- Beck, C. B., and Bailey, R. E., 1967, Plants of the New Albany shale. III—*Chapelia campbellii* gen. n.: Am. Jour. Botany, v. 54, no. 8, p. 998-1007. 27 figs.
- Bertrand-Sarfati, Janine, 1972, Paleocologie de certains stromatolites en recifs des formations du Precambrien superieur du groupe d'Atar (Mauritanie, Sahara occidental); creation d'espèces nouvelles: Palaeogeography, Palaeoclimatology, Palaeoecology, v. 11, no. 1, p. 33-63, 17 figs.
- Bilgütay, Utarit, 1968, Some Triassic calcareous algae from Plackles (Hohe Wand, Lower Austria): Geol. Bundesanstalt Verh. (Vienna), Jahrg. 1968, no. 1-2, p. 65-79, 6 figs., 3 pls.
- Bock, Wilhelm, 1969, The American Triassic flora and global distribution: Geol. Center Research Ser., v. 3 and 4, 406 p., 639 figs.
- Boersma, Miente, 1969, A fertile leaf of "*Mariopteris latifolia*": [Netherlands] Geol. Rijks Dienst. Med., new ser., no. 20, p. 65-70, 2 figs., 4 pls.
- 1972, The heterogeneity of the form genus *Mariopteris* Zeiller; a comparative morphological study with special reference to the frond composition of West-European species: Netherlands, Utrecht State Univ., Laboratory Palaeobotany and Palynology, doctoral thesis. Text and atlas, 172 p., 21 figs., 43 pls.
- Boersma, Miente, and Visscher, H., 1969. On two Late Permian plants from southern France: [Netherlands] Rijks Geol. Dienst. Med., new ser., no. 20, p. 57-59, 3 figs., 2 pls.
- Bohlin, Birger, 1971, Late Palaeozoic, plants from Yüerhhung, Kansu, China: Sci. Exped. Northwestern Provinces China, Repts., IV, Palaeobotany 1

- (Sino-Swedish Exped., Pub. 51), pt. 1 (text) 150 p.; pt. 2 (plates), 25 photo pls., 27 drawing pls.
- Bose, M. N., and Srivastava, S. C., 1970, *Glottolepis rugosa* gen. et sp. nov. from Triassic beds of Nidpur: *Palaeobotanist* (Lucknow, India), v. 18, no. 2, (1969) p. 215-217, figs. 1a-c; pl. 1, figs. 1-9.
- 1973a, *Nidistrobus* gen. nov., A pollen-bearing fructification from the Lower Triassic of Gopad river valley, Nidpur: *Geophytology* (Lucknow, India), v. 2, no. 2, (1972) p. 211-212, 1 pl.
- 1973b, Some micro- and megastrobili from the Lower Triassic Gopad river valley, Nidpur: *Geophytology* (Lucknow, India), v. 3, no. 1, p. 69-80, 8 figs. 3 pls.
- Bronn, H.G., 1858, Beiträge zur Triasischen Fauna und Flora der bituminösen Schiefer, von Raibl. III. Zur Flora der bituminösen Schiefer: *Neues Jahrb. für Mineralogie*, p. 1-32, 129-144, pls. 1-10.
- Burakova, A. T., 1971, *Sogdiania abdita* iz srednevruskikh otlozheniy Sredney Azii voznozhnyy predok tsvetkovykh rasteniy [*Sogdiania abdita* from the Middle Jurassic formations of Central Asia—a possible ancestor of the flowering plants]: *Voprosy Paleontologii*, v. 6, p. 3-7, 1 pl.
- Bůžek, Cestmir, 1971, Tertiary flora from the northern part of the Pětipsy area (north Bohemian basin): *Czechoslovakia, Ustredni ústav Geologický, Rozpravy*, 118 p., 17 figs., 52 pls.
- Chandler, M. E. J., 1966, Fruiting organs from the Morrison Formation of Utah, U.S.A.: *British Mus. (Nat. History) Bull., Geology*, v. 12, no. 4, p. 137-171, 46 figs., 12 pls., 157 figs.
- Chirkova-Zalesskaya, E. F., 1959, *Delenia terrigenogo Ural-Povolzh'ya na osnovanii iskopaemykh rasteniy* [Subdivision of terrigenous Devonian of the Ural-Volga land, based on fossil plants]: *Moscow, Akad. Nauk SSSR, Inst. Nefti*, 136 p., 150 figs., 41 pls.
- Chitale, S. D., and Kate, U. R., 1972, A petrified wood from the Deccan Intertrappean beds of Mohgaonkalan: *Botanique* (Nagpur, India), v. 3, no. 1, p. 41-44, 1 pl., 6 figs.
- Chitale, S. D., and Namburdi, E. M. V., 1973, *Harrisocarpon sahnii* gen. et sp. nov. from the Deccan Intertrappean beds of Mohgaon-kalan, district Chhindwara: *Geophytology* (Lucknow, India), v. 3, no. 1, p. 36-41, 4 figs., 1 pl., 6 figs.
- Chitale, S. D., and Sheikh, M. T., 1972, *Surangea mohgaoense* gen. et sp. nov., a pteridophytic fructification from Deccan Intertrappean beds of India: *Geophytology* (Lucknow, India), v. 1, no. 2, (1971) p. 123-126, figs. 1-4, pl. 1.
- 1973, *Harrisostrobos intertrappea* gen. et sp. nov. A petrified gymnospermous cone from the Deccan Intertrappean beds of India: *Palaeontographica. Abt B*, v. 144, pt. 1-2, p. 25-30, 7 figs. pls. 10, 11.
- Christophel, D. C., 1973, *Sciadopityophyllum canadense* gen. et sp. nov.—A new conifer from western Alberta: *Am. Jour. Botany*, v. 60, no. 1, p. 61-66, 10 figs.
- Cloud, P. E., Jr., and Semikhatov, M. A., 1969, Proterozoic stromatolite zonation: *Am. Jour. Sci.*, v. 267, no. 9, p. 1039-1040, fig. 8, pl. 4, figs. 1-3.
- Conert, H. J., and Schaarschmidt, Friedmann, 1970, Zur Nomenklatur der Palaeozoischen Gattung *Tristachya* Lilpop 1937 (Sphenopsida): *Taxon*, (Internat. Assoc. Plant Taxonomy Journ.) v. 19, no. 5, p. 793-795.

- Conrad, M. A., 1970, Barremian and lower Aptian Dasycladaceae in the area surrounding Geneva: *Geologico Romana*, v. 9, p. 66-100, 12 figs., 11 pls.
- Conti, Sergio, 1947, Contributo allo studio delle Corallinaceae del Terzario Italiano. 2, Corallinaceae del Miocene Ligure-Piemontese: *Palaeontographica Italica*, v. 41-42 (new ser. v. 11), anno 142-146, p. 37-61, figs. 1-3, pls. 5-8 (1-4).
- De Castro, Piero, 1969, Su alcune tallofite del Mesozoico in Campania: *Soc. Natur. Napoli Boll.*, v. 78, pt. 1, p. 87-167, 10 figs., 20 pls.
- Delevoryas, Theodore, and Gould, R. E., 1971, An unusual fossil fructification from the Jurassic of Oaxaca, Mexico: *Am. Jour. Botany*, v. 58, no. 7, p. 616-620, 8 figs.
- Delevoryas, Theodore, and Hope, R. C., 1971, A new Triassic cycad and its phyletic implications: *Postilla*, no. 150, p. 1-20, 12 figs.
- 1973, Fertile coniferophyte remains from the Late Triassic Deep River basin, North Carolina: *Am. Jour. Botany*, v. 60, no. 8, p. 810-818, 28 figs.
- Dorofeev, P. I., 1970, Tretchnye flory Urals [Tertiary flora of the Urals]: Leningrad, Akad. Nauk SSSR, Botanicheskii Inst., 64 p., 14 figs., 16 pls.
- 1973, K sistematike predkovykh form *Brasenia* [Systematics of the ancestral forms of *Brasenia*]: *Paleont. Zhur.*, 1973, no. 2, p. 103-111, 2 figs., pl. 12 (opposite p. 101), figs. 1-15.
- Douglas, J. C., 1969, The Mesozoic floras of Victoria, pts. 1 and 2: *Victoria Geol. Survey Mem.* 28, 310 p., 8 maps, 6 figs., 51 pls.
- Dragastan, Ovidiu, 1967, Alge calcaroase in Jurasicul Superior si Cretacicul Inferior din Muntii Apuseni: *Acad. Republicii Populare Romine, Studii si cercetări, geologie, geofizică, geografie Ser. Geologie*, v. 12, no. 2, p. 441-454, 8 pls.
- 1969, Algues calcaires du Jurassique Supérieur et du Crétacé Inférieur de Roumanie: *Rev. Micropaléontologie*, v. 12, no. 1, p. 53-62, 3 pls.
- 1971, New algae in the Upper Jurassic and Lower Cretaceous in the Bizaz Valley, East Carpathians (Rumania): *Rev. Espanola Micropalaeontologia*, v. 3, no. 2, p. 155-192, 3 figs., 12 pls.
- 1973, Un nouveau genre dans le Crétacé inférieur du bassin septentrional de Babadag-Dobrogea (Roumanie): *Soc. Physique et d'Histoire Nat. Genève, Compte Rendu Seances, new ser.*, v. 7, nos. 2-3 (Suppl. to *Archives des Sciences, Geneva* v. 25, 1972), p. 82-87, 3 figs.
- Edwards, Dianne, 1968, A new plant from the lower Old Red Sandstone of South Wales: *Palaeontology*, v. 11, pt. 5, p. 683-690, pls. 130-132.
- 1970, Fertile Rhyniophytina from the Lower Devonian of Britain: *Palaeontology*, v. 13, pt. 3, p. 451-461, pls. 84, 85.
- Eggert, D. A., and Delevoryas, Theodore, 1967, Studies of Paleozoic ferns: *Sermaya gen. nov.* and its bearing on filicalean evolution in the Paleozoic: *Palaeontographica, Abt. B*, v. 120, pt. 5-6, p. 169-180, pl. 34-38.
- Eggert, D. A., and Taylor, T. N., 1966, Studies of Paleozoic ferns—On the genus *Tedelea*, gen. nov.: *Palaeontographica, Abt. B*, v. 118, pt. 1-3; p. 52-73, 8 figs., pls. 8-11.
- 1971, *Telangioopsis* gen. nov., an Upper Mississippian pollen organ from Arkansas: *Bot. Gaz.*, v. 132, no. 1, p. 30-37, figs. 1-8.
- Elias, M. E., 1942, Tertiary prairie grasses and other herbs from the high plains: *Geol. Soc. America Spec. Paper* 41, 176 p., 17 pls.
- Elias, M. K., 1966, Living and fossil algae and fungi, formerly known as

- structural parts of marine bryozoans: *Palaeobotanist*, (Lucknow, India), v. 14, no. 1-3 (1965) p. 5-18, pls. 1, 2.
- Elliott, G. F., 1968, Three new Tethyan Dasycladaceae (calcareous algae): *Palaeontology*, v. 11, pt. 4, p. 491-497, pls. 93-95.
- 1970a, Calcareous algae new to the British Carboniferous: *Palaeontology*, v. 13, pt. 3, p. 443-450, pls. 81-83.
- 1970b, New and little-known Permian and Cretaceous Codiaceae (Calcareous algae) from the Middle East: *Palaeontology*, v. 13, pt. 2, p. 327-333, pls. 61, 62.
- 1970c, *Pseudaethesolothon*, a calcareous alga from the Fars (Persian Miocene): *Geol. Romana*, v. 9, p. 31-46, 2 figs., 4 pls.
- 1970d, *Pseudocymopolia*, a Mesozoic Tethyan alga (family Dasycladaceae): *Palaeontology*, v. 13, pt. 2, p. 323-326, pl. 60.
- 1971, A new fossil alga from the English Silurian: *Palaeontology*, v. 14, pt. 4, p. 637-641, 6 figs., 2 pls.
- 1972a, *Cretacicrusta* gen. nov., a possible alga from the English Cretaceous: *Palaeontology*, v. 15, pt. 3, p. 501-503, pls. 100, 101.
- 1972b, Lower Paleozoic green algae from southern Scotland, and their evolutionary significance: *British Mus. (Nat. History) Bull., Geology*, v. 22, no. 4, p. 355-376, 1 fig., 10 pls.
- Endlicher, Stephano, 1847, *Synopsis Coniferarum*: Sangalli, 368 p.
- Endô, Riuji, 1968, Fossil algae from Mindoro Oriental Province, Mindoro Island, the Philippines, in Kobayashi, Teiichi, and Toriyama, Ryuzo, eds., *Geology and palaeontology of Southeast Asia*, V. 4: Tokyo, Univ. Tokyo Press, p. 211-219, 2 pls.
- 1969, Fossil algae from the Khao Phlong Phrab district in Thailand in Kobayashi, Teiichi, and Toriyama, Ryuzo, eds., *Geology and palaeontology of Southeast Asia*, V. 7: Tokyo, Univ. Tokyo Press, p. 33-85, 4 figs., pls. 5-42.
- Fairon, Muriel, 1967, *L'Asterovylon Elberfeldense* Krausel et Weyland porte-t-il axes terminaux du type *Hostimella Hostimensis* Potonié et Bernard?: *Soc. Géol. Belgique Ann., Mém. in-4°*, v. 10 (1966-67) 30 p., 10 figs., 4 pls.
- Fairon, Muriel, 1967, *L'Asteroxylon Elberfeldense* Krausel et Weyland porte-t-il un genre from the Middle Devonian of Belgium: *Acad. royale Belgique (Classe Sci.)*, 5th ser., v. 55, no. 4, p. 372-396, 18 figs.
- Fedotov, V. V., 1970, *Novye vidy aspidievkykh i polipodivkykh paprotnikov s sokhranivshimisya sporonsheniyami iz Paleogena Zee-Bureinskoy Depresii* [New species of aspidaceous and polypodiaceous ferns with sporangia from the Paleogene of the Zeya-Bureya depression]: *Paleont. Zhur.*, 1970, no. 4, p. 92-98, pl. 15.
- Fischer, Jean-Claude, and Thierry, Jacques, 1971, Revision de quelques Dasycladacees jurassiques et proposition d'un genre.—*Coniporella*: *Mus. Nat. Historic Nat. Bull.*, 3d ser., no. 19, *Sci. Terre* 3, p. 25-34, 7 figs.
- Genkina, R. Z., 1966, *Iskopaemaya flora i stratigrafiya nizhnemezozoiskikh otlozhenii Issyk-Kul'skoi vpadyiny* [Fossil flora of the Lower Mesozoic deposits of Issyk-Kul depression]: Moscow, Akad. Nauk SSSR, Institut Geologii i Razrabotki Goryuchikh Iskopaemykh, 148 p., 61 pls.
- Gensel, P. G., 1973, A new plant from the Lower Mississippian of southwestern Virginia: *Palaeontographica*, Abt. B, v. 142, pt. 4-6, p. 137-153, 6 figs. pls. 33-40.
- Gensel, P. G., Kasper, Andrew, and Andrews, H. N., 1969, *Kaulangiophyton*, a new genus of plants from the Devonian of Maine: *Torrey Bot. Club Bull.*, v. 96, no. 3, p. 265-276, figs. 1-8.

- Gevin, Pierre, Koeniguer, Jean-Claude, and Lemoigne, Yves, 1973, Les bois fossiles du Dalaat el Admia (région de Tindouf, Algérie): Soc. Géol. France Bull., 7th ser., v. 13, no. 3/4, p. 386-393, 4 figs., pls. 23-25.
- Giessen, M. S., 1971, Die Eözane Flora von Messel bei Darmstadt, I. Lauraceae: Palaeontographica, Abt. B, v. 134, pt. 1-3, p. 1-60, 5 figs, 10 fold-in pls., 15 pls.
- Givlescu, Răzvan, 1970, Observations nouvelles sur *Byttneriophyllum tiliaefolium* (Al Braun) Knobloch et Kvaček: Rev. Palaeobotany and Palynology, v. 10, no. 3, p. 233-242, 3 pls.
- Nilovskaya, M. B., 1971, Drevneyshiye vodnyye rasteniya venda Russkoy platformy (pozdney Dokembriy) [The oldest aquatic plants of the Wendian of the Russian Platform (late Precambrian)]: Paleont. Zhur., 1971, no. 3, p. 101-107, pl. 11, 8 figs.
- 1972, Izvestkovye vodorosli srednego i pozdnego ordovika vostochnogo Kazakhstana [The calcareous algae of the Middle and Late Ordovician of eastern Kazakhstan]: Leningrad, Akad. Nauk SSSR, Inst. Geologii i Geokhologii Dokembriya, 196 p., 58 figs., 15 pls.
- Gottwald, Helmut, 1966, Eözane Hölzer aus der Braunkohle von Helmstedt: Palaeontographica, Abt. B, v. 119, pt. 1-3, p. 76-93, 1 fig., pls. 22-24.
- 1969, Zwie Kieselhölzer aus den Oligozan von Tunis, *Bombacoxylon oweni* und *Pseudotachnostyloxylon weylandii*: Palaeontographica, Abt. B, v. 125, pt. 4-6, p. 112-118, pl. 23, 12 figs.
- Gould, R. E., 1970, *Palaeosmunda*, a new genus of siphonostelic osmundaceous trunks from the Upper Permian of Queensland: Palaeontology, v. 13, pt. 1, p. 1-28, 8 pls.
- Grambast, Louis, 1966, Structure de l'utricule et phylogénie chez les Clavatoracés: Acad. Sci., Paris, Comptes Rendus, ser. D, v. 262, p. 2207-2210, 3 pls.
- 1969, La symétrie de l'utricule chez les Clavatoracees et sa signification phylogenetique: Acad. Sci., Paris, Comptes Rendus, ser. D, v. 269, no. 9, p. 879-881, 4 pls.
- Grambast, Louis, and Lorch, Jacob, 1968, Une flore de Charophytes du Crétacé Inférieur du Proche-Orient: Naturalia monspeliensia, sér. Bot., no. 19, p. 47-56, pls. 1-4.
- Grambast-Fessard, Nicole, 1966, Paléobotanique, pt. 4. Contribution à l'étude des flores Tertiaires des régions Provençales et Alpines—Deux bois de Dicotylédones du Pontien de Castellane: Soc. Géol. France Mém. 105, p. 131-145, 6 figs., 4 pls.
- Grauvogel-Stamm, Léa, 1969, Nouveaux types d'organes reproducteurs males de Conifères du Gres à Voltzia (Trias Inférieur) des Vosges: Alsace-Lorraine Serv. carte géol. Bull., v. 22, no. 2, p. 93-120, 13 figs. 3 pls.
- Greguss, Pál, 1967, Fossil gymnosperm woods in Hungary from the Permian to the Pliocene: Budapest, Akad. Kaidó, 136 p., 86 pls., 14 maps in text.
- 1969, Tertiary angiosperm woods in Hungary: Budapest, Akad. Kaido, 151 p., 18 maps in text, 723 microphotos on 93 pls.
- 1970, Ein Callitris-ähnliches Holz aus dem Tertiar von Limburg (Niederlande): Senckenbergiana Lethaea, v. 51: nos. 2/3, p. 265-272, 2 pls.
- 1973, Die Neue Systematische Stellung Von *Cycadinioxylon Czeczotti* Zalewska/Miözan, Turów, Vr Polen, Und Vergleichende Untersuchungen Mit *Pseudotaxodioxylon Jaehnicheni* Greguss N.G, N. Sp./Miözan, Niederlausitz, DDR.: Palaeontographica, Abt. B, v. 143, pt. 1-4, p. 1-17, 11 pls.

- Gupta, K. M., 1971, Investigations on the Jurassic flora of Rajmahal Hills, India—9. On the structure and affinities of *Sewardioxylon sahnii* gen. et sp. nov. Gupta, a petrified cycadean wood from the Rajmahal Hills, India: *Palaeontographica*, Abt. B, v. 131, pt. 5–6, p. 160–166, figs. 1, 2; pls. 35, 36, figs. 1–19.
- Hall, J. W., 1969, Studies on fossil *Azolla*: Primitive types of megaspores and massulae from the Cretaceous: *Am. Jour. Botany*, v. 56, no. 10, p. 1173–1180, 30 figs.
- Herbst, Rafael, 1966, Nuevos elementos de la flora fósil de la Formación Banqueró, Santa Cruz, Patagonia: Tucuman. Univ. nac., *Acta Geol. Lilloana*, v. 8, p. 75–86, 7 figs., 3 pls.
- Huard, Jean, 1966, Paléobotanique, pt. 1. Étude anatomique des bois de Conifères des couches à lignite néogènes des Landes: *Soc. Géol. France Mém.* 105, v. 45, p. 5–85, 25 figs., 8 pls.
- Hueber, F. M., 1970, *Rebuchia*: A new name for *Bucheria* Dorf: *Taxon* (Internat. Assoc. Plant Taxonomy, Jour.), v. 19, no. 5, p. 822.
- 1971a, *Astralocaulis*—A new name for *Schizopodium* Harris: *Taxon*, v. 20, no. 4, p. 640–641.
- 1971b, *Sawdonia ornata*—A new name for *Psilophyton princeps* var. *ornatum*: *Taxon*, v. 20, no. 4, p. 641–642.
- Ischenko, T. A., 1965, Devonskaya flora Bol'shogo Donbassa [Devonian flora of the Bol'shoy Donets basin]: Kiev, Akad. Nauk UKSSR, Inst. Geol. Nauk Trudy [a monograph] 118 p., 30 pls.
- 1968, Flora verkhov nizhengo nizov srednego devona Podol'skogo Pridenstrov'ya, in *Krandievskiy, B. S., Ischenko, T. A., and Kir'yanov, V. V., Paleontologiya i stratigrafiya Nizhnego Paleozoya Volyno-Podolii* [Flora from the top of the Lower—base of the Middle Devonian of Podolia Cisdnestra, in *Krandievskiy, B. S., Ishchenko, T. A., Kir'yanov, Paleontology and stratigraphy of the lower Paleozoic of Volyn-Podolia*]: Kiev, Akad. Nauk UKSSR, Inst. Geol. Nauk, 124 p., 16 figs., 22 pls.
- Jähnichen, Helmut, and Kahlert, Eberhard, 1972, Über eine mesozoische Flora aus der Monglischen Volksrepublik: *Geologie*, Jahrg. 21, no. 8, p. 964–1001, 5 figs., 6 pl.
- Jain, R. K., and Delevoryas, Theodore, 1967, A Middle Triassic flora from the Cacheuta Formation, Minas de Petroleo, Argentina: *Palaeontology*, v. 10, pt. 4, p. 564–598, pls. 86–97.
- Jennings, J. R., 1972, A new lycopod genus from the Salem Limestone (Mississippian) of Illinois: *Palaeontographica*, Abt. B, v. 137, pt. 1–3, p. 72–84, 3 figs., pls. 17–21, figs. 1–45.
- Johnson, J. H., 1966, New Mississippian algae from Alberta: *Jour. Paleontology*, v. 40, no. 6, p. 1385–1387, pl. 176, figs. 1–10.
- Kaever, Matthias, 1969, Neue Dasycladaceen—*Afghanopolia fragilis* n. gen., n. sp. und *Cymopolia (Polytripa) paktia* n. sp.—aus dem Mittel-Eozän von Ost-Afghanistan: *Argumenta Paleobotanica*, no. 3, 1969, p. 15–42, 8 figs., pls. 9, 10.
- Karandievskiy, V. S., Ishchenko, T. A., and Kir'yanov, V. V., 1968, Paleontologiya i stratigrafiya nizhnegopaleozoiya Volyno-Podolii [Paleontology and stratigraphy of the lower Paleozoic of Volyn-Podolia]: Kiev, Akad. Nauk Ukrainskoy SSR, Inst. Geol. Nauk, 124 p., 16 figs., 22 pls.
- Karczewska, Jadwiga, and Ziembinska-Tworzydło, Maria, 1972, Lower Tertiary Charophyta from the Nemegt Basin, Gobi Desert: *Polska Akad. Nauk,*

- Palaeontologia Polonica, no. 27—Results of the Polish Mongolian Palaeont. Exped., Pt. 4, p. 51-81, pls. 7-27.
- Kasper, A. E., Jr., and Andrews, H. N., Jr., 1972, *Pertica*, a new genus of Devonian plants from northern Maine: *Am. Jour. Botany*, v. 59, no. 9, p. 897-911, 18 figs.
- Khakhlov, V. A., 1964, Verkhnepalezoyanskaya flora severa Sibiri. Vyp. 1, Khvoshchevye. [Upper Paleozoic flora of northern Siberia No. 1, Horse-tails]: Tomsk, Tomsk Univ. Press, 112 p., 9 figs., 68 pls., 283 figs.
- Khudayberdiyev, R., Gomolitskii, N. P., and Lobanova, A. V., 1971, Materialy k yurskoy flore Yuzhnoy Fergany, in *Paleobotanika Uzbekistana*, v. II [Records of Jurassic flora of southern Fergana, in *Paleobotany of Uzbekistan*, v. II]: Tashkent, Akad. Nauk Uzbekskoy SSR, Inst. Bot., p. 3-61, pls. 1-28, 74.
- Kilpper, Karl, 1968, Koniferenzapfen aus den Tertiären Deckenschichten des Niederrheinischen Hauptflözes: *Palaeontographica*, Abt. B, v. 121, pts. 4-6, p. 159-168, pl. 44, 15 figs.
- Kirichkova, A. I., and Budantsev, 1967, Novaya nakhodka nizhnemelovoy flory pokrytosemennymi v Yakutii [A new find of Early Cretaceous flora, including angiosperms, in Yakutia]: *Akad. Nauk SSSR, Vses. Bot. Obshchestvo, Bot. Zhur.*, v. 52, no. 7, p. 937-943, 3 figs., 2 pls.
- Knobloch, Ervin, 1972, *Achenia debeyi* n. g. n. sp.—eine neue Konifere aus dem Senon von Aachen: *Neues Jahrbuch Geologie und Paläontologie, Monatshefte*, no. 7, p. 400-406, figs. 1-10; 1 pl.
- Koch, B. E., 1972a, Coryphoid palm fruits and seeds from the Danian of Nûgssuag, West Greenland: *Grønlands Geol. Undersøgelse Bull.* 99, and *Medd. Grønland*, v. 193, no. 4, 38 p., 10 figs., 18 pls.
- 1972b, Fossil picrodendroid fruit from the upper Danian of West Greenland: *Grønlands Geol. Undersøgelse Bull.* 98, and *Medd. Grønland*, v. 193, no. 3, 32 p., 11 figs, 24 pls.
- Kochansky-Devidé, Vanda, 1970, Die Kalkalgen vom Velebit-Gebirge (Moskoven und Kassimovien): *Jugoslavenska Akad. Znanosti i Umjetnosti, Palaeontologia Jugoslavice*, no. 10, p. 5-30, 5 figs., 15 pls.
- Koeniguer, J.-C., 1970, Étude paléoxylologique du Sahara Méridional: *Congrès Natl. Soc. Savantes*, 92d, Strasbourg et Colmar, 1967, *Sec. Sci. Comptes Rendus*, v. 3, p. 143-152, 3 figs.
- 1971a, Sur les bois fossiles du Paleocene de Sessao (Niger): *Rev. Palaeobotany and Palynology*, v. 12, no. 4, p. 303-323, 9 figs.; 2 pls.
- 1971b, Sur un bois fossile du Paleocene du Niger: *Congrès Natl. Soc. Savantes*, 94th, Pau, 1969, *Sec. Sci., Comptes Rendus* v. 3, p. 157-173, 5 figs., 15 pls.
- Kolakovskii, A. A., and Schakryl, A. K., 1968, *Colchidia*—Novyy rod Pinaceae iz Sarmata Abkhazii [*Colchidia*—New genus of Pinaceae from the Sarmatian of Abkhaz]: *Paleont. Zhur.*, 1968, no. 4, p. 66-70, 1 fig., pl. 6.
- Koloso, P. N., 1966, Novye vidy Dokembryskikh vodorosley basseyna Reki Olekmy [New species of Precambrian algae from the Olekma river basin]: *Akad. Nauk SSSR Doklady*, v. 171, no. 4, p. 978-980, figs. 1a, b, c.
- Kon'no, Enzo, 1968, Addition to some younger Mesozoic plants from Malaya, in Kobayashi, Teiichi, and Toriyama, Ryuzo, eds., *Geology and palaeontology of Southeast Asia*, V. 4; Tokyo, Univ. Tokyo Press, p. 139-155, 4 figs., pls. 24-28.
- Kon'no, Enzo, Asama, Kazuo, and Rajah, S. S., 1970, The Late Permian

- Linggiu flora from the Gunong Blumut area, Johore, Malaysia: *Nat. Sci. Mus. (Tokyo) Bull.*, v. 13, no. 3, p. 491-580, 18 figs., 17 pls.
- Korde, K. B., 1973, Vodorosli Kembriya [Cambrian algae]: *Akad. Nauk SSSR, Paleontol. Inst., Trudy*, v. 139, 349 p., 65 figs., 69 pls.
- Krasilov, V. A., 1967, Rannemelovaya flora Yuzhnogo Primor'ya i ee znachenie dlya stratigrafii [Early Cretaceous flora of the southern Maritime Territory and its significance for stratigraphy]: Moscow, *Akad. Nauk SSSR, Sibirskoe Otdel. Dal'nevostochnyy Geol. Inst.*, 262 p., 38 figs., 93 pls.
- 1970, Listvennyya pechenochniki iz Yury Bureinskogo basseina [Leafy liverworts from the Jurassic of the Bureya basin]: *Paleont. Zhur.*, 1970, no. 3, p. 131-142, 3 figs., pls. 11, 12.
- 1972, Mezozoyskaya flora reki Burei (Ginkgoales i Czekanowskiales) [Mesozoic flora of the Bureya river (Ginkgoales and Czekanowskiales)]: *Akad. Nauk SSSR, Dal'nevostochnyy Geol. Inst.*, 150 p., 13 figs., 34 pls.
- Krasilov, V. A., 1973a, Cuticular structure of Cretaceous angiosperms from the far east of the U.S.S.R.: *Palaeontographica, Abt. B*, v. 142, pt. 4-6, p. 105-116, pls. 18-26.
- 1973b, Mesozoic bryophytes from the Bureja basin, Far East of the U.S.S.R.: *Palaeontographica, Abt. B*, v. 143, pt. 5-6, p. 95-105, pls. 41-51.
- Kräusel, Richard, and Schaarschmidt, Friedman, 1966, Die Keuperflora von Neuwelt bei Basel.—IV. Pterophyllen und Taeniopteriden: *Schweizerische Paläont. Gesell., Abh. (Mém. suisses Paléontologie)*, v. 84, p. 5-79, 15 figs., 15 pls.
- Krylov, I. N., Korolyuk, L. K., Siderov, A. D., 1969, Stromatolity, in Razanov, A. Yu and others, Tomotski yarus i problemy nizhney granitsy Kembriya [Stromatolites, in Rozanov, A. Yu., and others, Tomotian Stage and the Cambrian lower boundary problem]: *Akad. Nauk SSSR, Geol. Inst. Trudy*, v. 206, p. 194-214, pls. 37-45.
- Lacey, W. S., and Huard-Moine, Denise, 1966, Karroo floras of Rhodesia and Malawi. Pt. 2—The Glossopteris flora in the Wankie district of southern Rhodesia, in *Symposium on Floristics and Stratigraphy of Gondwanaland: Palaeobot. Soc., Spec. Sess., Dec. 1964, Lucknow, India*, p. 13-25, 3 figs., 4 pls.
- Lakhnopal, R. N., and Prakash, U., 1970, Cenozoic plants from Congo. 1—Fossil woods from the Miocene of Lake Albert: *Koninkl. Mus. Voor Middle Afrika (Tervuren, Belgium) Annalen, Reeks in-8°*, *Geol. Wetensch.*, no. 64, 20 p., 13 pls.
- Lakhnopal, R. N., and Verma, J. K., 1966, Fossil wood of *Tetrameles* from the Deccan Intertrappean beds of Mohgaonkalan, Madhya Pradesh: *Palaeobotanist (Lucknow, India)*, v. 14, no. 1-3, (1965) p. 209-213, figs. 1, 2; pls. 1, 2,
- Lebedev, E. L., and Rasskazova, 1968, Novyy rod Mezozoiskikh paporotnikov—*Lobifolia*, in *Rasteniya Mezozoya* [New genera of the Mesozoic ferns—*Lobifolia*, in Mesozoic plants]: *Akad. Nauk SSSR, Geol. Inst. Trudy*, v. 191, p. 56-69, 7 figs., 3 pls.
- Leclercq, Suzanne, and Bonamo, P. M., 1973, *Rellimia thompsonii*, a new name for *Milleria (Protopteridium) thompsonii* Lang 1926 emend. Leclercq and Bonamo, 1971: *Taxon*, v. 22, no. 4, p. 435-437, fig. 1.
- Leisman, G. A., and Peters, J. S., 1970, A new pteridosperm male fructification from the Middle Pennsylvanian of Illinois: *Am. Jour. Botany*, v. 57,
- Lele, K. M., 1969, Studies in the Glossopteris flora of India. 39. *Alatocarpus*

- gen. nov.; a new platyspermic seed from the Singrauli coalfield: *Palaeobotanist* (Lucknow, India), v. 17, no. 1 (1968), p. 52-58, figs. 1-10; pl. 1, figs. 1-15.
- Lemoigne, Yves, 1968, Un nouveau genre de structure ligneuse de type gymnospermien: *Embergerixylon* nov. g.: *Soc. Geol. Nord Ann.*, v. 88, pt. 4, p. 155-158, pls. 13, 14.
- Lemoine, Marie, 1966, Un nouveau genre d'algue du crétacé inférieur: *Agardhiellopsis* nov. gen.: *Rev. Micropaléontologie*, v. 8, no. 4, p. 203-210, fig. 1a-d; pl. 1, figs. 1-4.
- 1969-70, Les algues Floridées calcaires du Crétacé du Sud de la France: *Mus. Natl. Histoire Naturelle, Archives, Sér. 7*, v. 10, p. 127-240, 15 pls.
- Lemoine, Marie, et Emberger, Jacques, 1967, *Kymalithon*, nouveau genre de Melobesiee de l'Aptien supérieur et considerations sur l'âge du faciès à Mélobésiées dit "faciès de Vimport": *Soc. Linéenne Bordeaux Actes*, v. 104, ser. B, no. 9, p. 3-14, 4 pls.
- LeMone, D. V., and Johnson, R. E., 1969, Neogene flora from the Rincon hills, Dona Ana County, New Mexico: *New Mexico Bur. Mines and Mineral Resources Circ.* 104, p. 77-88, 1 fig., 4 pls.
- Lepekhina, V. G., 1969, Paleoksilologicheskaya kharakteristika verkhnepaleozoiskikh uglensnykh otlozhenii Kuznetskogo basseina [Paleoxylotomous character of the upper Paleozoic coal-bearing deposits of the Kuznets basin] *Vsesoyuz. Nauchno-Issled., Geol. Inst., Biostratigraficheskii Sbornik*, No. 4 p. 126-139, 6 pls.
- Loubière, A. 1956, Sur un nouveau genre de Mesocaryales Paléozoïques. *Mus. Natl. Histoire Nat. Bull.*, 2d ser., v. 28, no. 5, 492-494, 3 figs.
- Louvet, Paul, 1967, Sur une Meliaceae fossile nouvelle du Tertiaire d'Algérie (Tinrhert): *Congrès Natl. Soc. Savantes, 91st Rennes, 1966, Sec. Sci., Comptes rendus* v. 3, p. 186-197, 2 figs., 1 pl.
- MacGinitie, H. D., 1969, The Eocene Green River flora of northwestern Colorado and northeastern Utah: *California Univ. Pubs. Geol. Sci.*, v. 83, 203 p., 31 pls.
- Maheshwari, H. K., 1967, Studies in the Glossopteris flora of India—[pt.] 28. On some fossil wood of the Raniganj coalfield, Bengal: *Palaeobotanist* (Lucknow, India), v. 15, no. 3 (1966) p. 243-257, 10 figs., 4 pls.
- 1972, *Lelstothea*: a new name for *Stellothea* Surange and Prakash: *Geophytology* (Lucknow, India), v. 2, no. 1, p. 106.
- Malich, N. S., 1966, Vysokoorganizobannnye rasteniya iz Kembriyskikh otlozheniy zapadnoy chasti Sibirskoy platformy [Highly organized plants from the Cambrian deposits of the western part of the Siberian platform]: *Akad. Nauk SSSR, Doklady*, v. 166, no. 5, p. 1207-1209, fig. 1a-z (opposite p. 1171).
- Mamay, S. H., 1966, *Tinsleya*, a new genus of seed-bearing callipterid plants from the Permian of north-central Texas: *U.S. Geol. Survey Prof. Paper* 523-E, p. E1-E15, 2 figs., 3 pls.
- 1967, Lower Permian plants from the Arroyo Formation in Baylor County, north-central Texas: *U.S. Geol. Survey Prof. Paper* 575-C, p. C120-C126, 2 figs.
- 1968, *Russellites*, new genus, a problematical plant from the Lower Permian of Texas: *U.S. Geol. Survey Prof. Paper* 593-I, p. I1-I15, 3 pls.
- 1973, *Archaeocycas* and *Phasmatocycas*—new genera of Permian cycads: *U.S. Geol. Survey, Jour. Research*, v. 1, no. 6, p. 687-689, fig. 1a-g.
- Mamet, B. L., and Rudloff, B., 1972, Algues Carbonifères de la partie septen-

- trionale de l'Amérique du Nord: Rev. Micropaléontologie, v. 15, no. 2, p. 75-114, 10 pls.
- Marguerier, Janine, 1973, Paléoxylologie du Gondwana Africain—Étude et affinités du genre *Australoxylon*: Palaeontologia afr., v. 16, p. 37-58, 4 figs., 6 pls.
- Maslov, V. P., 1966, Nekotorye kaynozoyiskiye kharofity yuga SSSR i metodika ikh izucheniya, in Maslov, V. P. and Vakhrameev, V. A., eds., Iskopaemye kharofity SSSR [Certain Cenozoic charophytes in the south of the U.S.S.R. and the methods of their studies, in Maslov, V. P. and Vakhrameev, V. H., eds., Fossil charophytes of the U.S.S.R.]: Akad. Nauk SSSR, Geol. Inst., Trudy [new ser.], no. 43, p. 10-89, 30 figs., 11 pls.
- Masse, J.-P., Conrad, M. A., and Radoičić, Rajka, 1973, *Angioporella fouryae*, n. gen., n. sp., une algue calcaire (Dasycladaceae) du Barrémien du sud de la France: Eclogae Geol. Helvetiae, v. 66, no. 2, p. 383-387, 1 fig., 1 pl.
- Matten, L. C., 1968, *Actinoxylon banksii* gen. et sp. nov.—a progymnosperm from the Middle Devonian of New York: Am. Jour. Botany, v. 55, no. 7, p. 773-782, 19 figs.
- 1973, The Cairo flora (Givetian) from eastern New York. 1. *Reimannia terete* axes and *Cairoa lamanekii* gen. et sp. nov.: Am. Jour. Botany, v. 60, no. 7, p. 619-630, 35 figs.
- Matten, L. C., and Banks, H. P., 1966, *Triloboxylon ashlandicum* gen. et sp. n. from the Upper Devonian of New York: Am. Jour. Botany, v. 53, no. 10, p. 1020-1028, 18 figs.
- Menendez, C. A., 1965, *Sueria rectinervis* n. gen. et sp. de la flora fósil de Ticó, Provincia de Santa Cruz: Ameghiniana (Asoc. Paleontología Argentina, Rev.), v. 4, no. 3, p. 75-79, 4 pls.
- Meyen, S. V., 1969a, Novye rody *Entsovia* i *Slikovia* iz Permskikh otlozhenii Russkoy Platformy i Priural'ya [New genera *Entsovia* and *Slikovia*, from Permian deposits of the Russian Platform and Cisuralia]: Paleont. Zhur., 1969, no. 4, p. 93-100, 6 figs., pls. 14, 15.
- 1969b, O rode *Zamiopteris* Schmalhausen i ee sootshoshenie s nektoryimi smezhnymi rodami, in Pteridospermy Verkhnego Paleozoya i Mezozoya [On the genus *Zamiopteris* Schmalhausen and its relation to some adjacent genera]: Akad. Nauk SSSR, Geol. Inst. Trudy, [n.s.] v. 190, p. 85-104, 3 figs., 5 pls.
- 1972, Are there ligula and parichnos in Angara Carboniferous lepidophytes?: Rev. Palaeobotany and Palynology, v. 14, nos. 1/2, (Special issue: Advances in Paleozoic Botany) p. 149-157, 5 figs., pl. 1, figs. 7-10.
- Miki, Shigeru, 1969, *Protosequoia* (n.g.) in Taxodiaceae from Pinus Trifolia beds in central Honshu, Japan: Japan Acad. Proc., v. 45, no. 8, p. 727-732, 3 figs.
- Millan, J. H., 1967, Novas frutificações na flora Glossopteris do Gondwana Inferior do Brasil. *Dolianitia*, gen. nov.: Brazil Div. Geologia e Mineralogia, Notas Prelim. e Estudos, no. 140, 19 p., 4 pls.
- Millay, M. A., and Eggert, D. A., 1970, *Idanothekion* gen. n., a synangiate pollen organ with saccate pollen from the Middle Pennsylvanian of Illinois: Am. Jour. Botany, v. 57, no. 1, p. 50-61, 24 figs.
- Miller, C. N., and Brown, J. T., 1973, A new voltzialean cone bearing seeds with embryos from the Permian of Texas: Am. Jour. Botany, v. 60, no. 6, p. 561-569, 13 figs.
- Mogucheva, N. K., and Il'ina, V. I., 1969, Novyy rod paporotnikov iz Nizhnego Triasa Tungusskoy sineklizy [A new fern genus from the Lower Triassic

- of the Tunguska synecline]: Akad. Nauk SSSR, Sibirskoe Otdel., Geologiya Geofizika, no. 6(114), 1969, p. 131-135, 1 pl.
- Morbelli, M. A., and Petriella, Bruno, 1973, "*Austrostrobus ornatum*" nov. gen. et sp., cono petrificado de Lycopside del Triasico de Santa Cruz (Argentina): Mus. La Plata Rev. (n. s.) v. 7, Paleontologia no. 46, p. 279-289, 1 fig. 2 pls.
- Müller-Stoll, W. R., and Mädler, Erika, 1967, Die Fossilen Leguminosen-Hölzer eine Revision der mit Leguminosen verglichenen fossilen Hölzer und Beschreibungen älterer und neuer Arten: Palaeontographica, Abt. B, v. 119, pt. 4-6, p. 95-174, 13 figs., pls. 25-39.
- Müller-Stoll, W. R., and Mädler-Angeliewa, Erika, 1969, *Actinidioxylon princeps* (Ludwig) n. comb., ein Lianenholz aus de Pliozän von Dernbach im Westerwald: Senckenbergiana Lethaea, v. 50, nos. 2/3, p. 103-115, 3 figs., 2 pls.
- Musacchio, E. A., 1971, Charophyta de la Formacion la Amarga (Cretaceous Inferior) Provincia de Neuquen, Argentina: Mus. La Plata Rev., new ser., v. 6, Sec. Paleontologia, no. 17, p. 19-38.
- Nagy, István, 1971, A paleotrix kérdés. A fonalasalgák rétegtani szerepe a mecseki felsőjúraban: Magyar Állami Földt. Int. Evi Jelentése, Az 1969, Evről, p. 299-316, 4 pls.
- Namburdiri, E. M. V., 1969, *Kuprianivaites deccanii*, gen. et sp. nov., A new petrified sporocarp from the Deccan Intertrappean beds of Mohgaon Kalan: Jour. Palynology (Lucknow, India), p. 51, 52, 2 figs.
- Novik, E. O., 1968, Rannekamennougol'naya flora Donetskogo Basseina i ego zapadnogo prodolzheniya [Early Carboniferous flora of the Donets basin and its western extension]: Kiev, Akad. Nauk UKSSR, Inst. Geol., 234 p., 51 pls.
- Obrhel, Jiri, 1968a, *Maslovina meyenii*, n. g. et sp.—neue Codiacea aus dem Silur Böhmens: Czechoslovakia Ústred. Ústav Geol. Vestník, v. 43, no. 5, p. 367-370, 1 fig., 2 pls.
- 1968b, Neue Pflanzenfunfe im mittelböhmischen Ordovizium: Czechoslovakia Ústred. Ústav. Geol. Vestník, v. 43, no. 6, p. 463-464, 1 pl.
- 1969, Die mitteldevonische Landflora von Chabičov in Mähren: čas. Mineralogii a Geologii, v. 14, no. 1, p. 53-59, 4 pls.
- Page, V. M., 1970, Angiosperm wood from the Upper Cretaceous of central California. III: Am. Jour. Botany, v. 57, no. 9, p. 1139-1144, 17 figs.
- 1973, A new conifer from the Upper Cretaceous of central California. Am. Jour. Botany, v. 60, no. 6, p. 570-575, 15 figs.
- Pantić, Smiljka, 1971, *Baccanella floriformis* n. gen., n. sp. iz srednjeg trijasa Dinarida [*Baccanella floriformis*, n. gen. n. sp. from the Middle Jurassic of the Dinarides]: Geoloski Anali Balkanskoga Poluostrva, v. 36, p. 105-111, 2 figs., 3 pls.
- Petriella, Bruno, 1969, *Menucoa cazawi* nov. gen. et sp., tronco petrificado de Cycadales, Provincia de Rio Negro, Argentina: Ameghiniana (Asoc., Paleontol. Argentina, Revista) v. 6, no. 4, p. 291-302, 3 figs., 1 pl.
- Petryk, A. A., and Mamet, B. L., 1972, Lower Carboniferous algal microflora, southwestern Alberta: Canadian Jour. Earth Sci., v. 9, no. 7, p. 767-802, 10 figs., 10 pls.
- Pettitt, J. M., and Beck, C. B., 1968, *Archaeosperma arnoldii*—A cupulate seed from the Upper Devonian of North America: Michigan Univ., Mus. Paleontology Contr., v. 22, no. 10, p. 139-154, 3 figs., 6 pls.
- Pettitt, J. M., and Lacey, W. A., 1972, A Lower Carboniferous seed compression

- from North Wales: *Rev. Paleobotany and Palynology*, v. 14, nos. 1-2 (Special issue: *Advances in Paleozoic Botany*), p. 154-169, 2 figs., 4 pls.
- Pfefferkorn, H. W., 1973, *Kankakeea* gen. nov., buds for vegetative reproduction in Carboniferous ferns: *Paläontologische Zeitschr.*, v. 47, no. 3/4, p. 143-151, 2 figs., pls. 25, 26.
- Pflug, H. D., 1966, Einige Reste Nieder Pflanzen aus dem Algonkium: *Palaeontographica*, Abt. B., v. 117, pt. 4-6, p. 59-74, 2 figs.; pls. 25-29.
- Phillips, T. L., and Andrews, H. N., 1966, *Catenopteris simplex* gen. et sp. nov., a primitive pteridophyte from the Upper Pennsylvanian of Illinois: *Torrey Bot. Club Bull.*, v. 93, no. 2, p. 117-128, 13 figs.
- Pia, Julius, 1934, Kalkalgen aus dem Eozän der Felsen von Hričovské Podhradie im Waagtal: *Czechoslovakia Státní Geol. Ústav Věstník*, v. 10, no. 1-2, p. 14-18, 8 figs.
- 1943, *Geologische Untersuchungen in der Salmgruppe (Oberdonau): Naturhist. Mus. Wien, Annalen*, v. 53, pt. 1 (1942), p. 5-155, 9 figs., pls. 1-7.
- Prakash, Uttam, and Awasthi, N., 1970, Fossil woods from the Tertiary of eastern India, I: *Palaeobotanist (Lucknow, India)*, v. 18, no. 1 (1969), p. 32-44, 1 fig., 6 pls.
- Prakash, Uttam, et Boureau, Edouard, 1970, Sur une monocotylédone herbacée fossile à structure conservée des basaltes de Columbia, dans le Miocene de Vantage, central Washington, U.S.A.: *Congres Natl. Soc. Savantes*, 92d, Strasbourg et Colmac, 1967, *Sec. Sci., Comptes rendus*, v. 3, p. 93-107, 5 pls., 11 figs.
- Prakash, Uttam, Březinová, Drahomíra, and Bůžek, Čestmír, 1971, Fossil woods from the Doupovské hory and České středohó mountains, in northern Bohemia: *Palaeontographica*, Abt. B, v. 133, pt. 4-6, p. 103-128, pls. 30-43, 1 map.
- Prakash, Uttam, and Tripathi, P. P., 1967, Fossil wood of the *Lanea* from the Tertiary of Assam: *Current Sci. (Bangalore, India)*, v. 36, no. 17, p. 462-463, 3 figs.
- 1968, Fossil wood of *Adenantha* and *Swintonia* from the Tertiary of Assam: *Current Sci. (Bangalore, India)*, v. 37, no. 4, p. 115-116; 4 figs.
- 1970, Fossil woods from the Tertiary of Hailakandi, Assam: *Palaeobotanist (Lucknow, India)*, v. 18, no. 1 (1969), p. 20-21, figs. 1-13, pls. 1-3.
- Praturlon, A., 1966, *Heteroporella lepina*, new dasyclad species from Upper Cenomanian-Lower Turonian of central Apennines: *Soc. Paleontologica Italiana*, *Boll.*, v. 5, no. 2, p. 202-205, 1 fig. pls. 51, 52.
- Raaben, M. E. et Zabrodin, V. E., 1972, *Vodoroslevya problematica* verkhnego rifeya (stromatolity, onkolity) [Algal problematica of the Upper Riphean (stromatolites, onkolites)]: *Akad. Nauk SSSR, Geol. Inst., Trudy [n.s.]*, no. 217, p. 1-128, 16 figs., 44 pls.
- Rácz, László [1964] 1966, Carboniferous algae and their associations in the San Emiliano and Lois-Ciguera Formations (Prov. Leon, N. W. Spain): *Leidse Geol. Meded.*, pt. 31, p. 1-112, 26 figs., 13 pls. (pre-issued Oct. 14, 1964.)
- Radchenko, G. P., 1934, *Materialy k podznaniyu flory Kuznetskogo Basseyna* [Contribution to the knowledge of Paleozoic flora of the Kuznetsk Basin]: *Geologo-Razvedochnoe. Upravlenie Sibirskoe Otdel.*, *Materialy*, no. 13, p. 3-55, pl. 12, figs. 9-12.
- Radchenko, M. I., 1967, *Kamennougol'naya flora Yugo-Vostochnogo Kazakhstana*

- [Carboniferous flora of southeastern Kazakhstan]: Alma-Ata, Akad. Nauk Kazakhskoy SSR, Inst. Geol. Nauk, 68 p., 25 pls.
- Novyi rod *Neuburgia* v Rannekamennougol'nykh otlozhenyakh Kazakhstana, in Pteridospermy Verkhnego Paleozoya i Mezozoya [A new genus *Neuburgia* in the Lower Carboniferous deposits of Kazakhstan, in Pteridosperms of the Upper Paleozoic and Mesozoic] Akad. Nauk SSSR, Geol. Inst. Trudy [new ser.], v. 190, p. 105-108, 2 pls.
- Ramovs, Anton, 1970, *Permopadina fallax* nov. gen., nov. sp., eine mittelpermische Alge aus den östlichen Karawanken: Paläontologische Zeitschr., v. 44, no. 1/2, p. 97-100, 1 fig., pl. 12.
- Rao, A. R., and Bose, M. N., 1971, *Podostrobos* gen. nov., a petrified podocarpaceous male cone from the Rajmahal Hills, India: Palaeobotanist (Lucknow, India), v. 19, no. 1, (1970) p. 83-85, pl. 1, figs. 1-14.
- Rásky, Klara, 1966, Some plant remains from the Tertiary of Hungary: Palaeobotanist (Lucknow, India), v. 14, nos. 1-3 (1965), p. 264-268, pls. 1-3.
- Remy, W., and Remy, R., 1969, *Alstaettia andersoni* n. gen., n. sp. ein Matoniaceen-Sprossrest aus dem Mittel Barrême von Alstätte/Krs. Ahaus: Argumenta Palaeobotanica, no. 3, 1969, p. 91-129, figs. 1-3, pls. 20-23.
- Rigby, J. F., 1972a, The flora of the Kaloola Member of the Baralaba Coal Measures, central Queensland: Queensland Geol. Survey Pub. 352, Palaeontological Papers 26, p. 1-12, figs. A-I.
- 1972b, The Notocalamitaceae, a new family of upper Paleozoic equisetaleans: Palaeobotanist (Lucknow, India), v. 19, no. 2 (1970), p. 161-163, 13 text-figs., 1 pl., 5 figs.
- Robison, C. R., and Person, C. P., 1973, A silicified semiaquatic dicotyledon from the Eocene Allenby Formation of British Columbia: Canadian Jour. Botany, v. 51, no. 7, p. 1373-1378, pls. 1-4, figs. 1-20.
- Roselt, Gerhard, and Schneider, Wilfrid, 1969, Cuticulae dispersae, ihre Merkmale, Nomenklatur und Klassifikation: Paläont. Abh., Abt. B-Paläobotanik, v. 3, no. 1, p. 1-128, 32 figs., 20 pls.
- Rothwell, G. W., and Taylor, T. N., 1971a, Studies of Paleozoic calamitean cones—*Weissia kentuckiense* gen. et sp. nov.: Bot. Gaz., v. 132, no. 3, p. 215-224, figs. 1-20.
- 1971b, *Weissistachys kentuckiensis*: A new name for *Weissia kentuckiense* Rothwell and Taylor: Bot. Gaz., v. 132, no. 4, p. 371-372.
- Samy'lina, V. A., 1967, Mezozoyanskaya flora levoberezh'ya r. Kolymy (Zyryanskiy uglensosnyy basseyn), Chast II. Ginkgovye, Khvoynye. Obshchie glavy, in Takhtadzhiana, A. L., red. Paleobotanika—Problemy izucheniya iskopayemyy flory uglensosnykh otlozheniy SSSR, [Mesozoic flora of the left (west) bank of the Kolyma river (Zyrianska coal-basin), Pt. II. Ginkgoales, Coniferales. General chapters, in Takhtadzhiana, A. L., ed. Paleobotany—Problems (concerning) the studies of fossil flora in the coal-bearing deposits of the U.S.S.R.]: Akad. Nauk SSSR, Bot. Inst. Trudy, ser. 8, issue 6, p. 134-175, 14 pls.
- 1968, Early Cretaceous angiosperms of the Soviet Union based on leaf and fruit remains: Linnean Soc. London (Botany) Jour., v. 61, no. 384, p. 207-218, 3 figs.; 1 pl.
- Samy'lina, V. A., and Filippova, G. G., 1970, Novye Melovye paprotniki severo-vostoka SSSR [New Cretaceous ferns from northeastern U.S.S.R.]: Paleontol. Zhur., no. 2, 1970, p. 91-97, 4 figs. pl. 12.
- Saydakovskiy, L. Ya., 1968, Kharofita iz Triasa Prikaspiyskoy vpadiny

- [Charophyta from the Triassic of the Ciscaspian depression]: Paleont. Zhur., no. 2, 1968, p. 95-110, pls. 15, 16.
- Schaarschmidt, Friedman, and Maubeuge, P. L., 1969, Eine männliche Gymnospermen-Fruktifikation aus dem Voltsiensandstein (Unter Trias) der Vogesen: *Senckenbergiana Lethaea*, v. 50, nos. 5/6, p. 377-398, 14 figs.; 3 pls.
- Scheckler, S. E., and Banks, H. P., 1971, *Proteokalon*, a new genus of progymnosperms from the Devonian of New York State and its bearing on the phylogenetic trends in the group. *Am. Jour. Botany*, v. 58, no. 9, p. 874-884, 30 figs.
- Schneider, Wilfrid, 1969, Cuticulae dispersae aus dem 2. Lausitzer Flöz (Miözän) und ihre fazielle Aussage: *Freiberger Forschungshefte, Reihe no. 222*, 75 p., 21 figs., 10 pls.
- Schopf, J. M., Mencher, Ely, Boncot, A. J., and Andrews, N. H., 1966, Erect plants in the Early Silurian of Maine: U.S. Geol. Survey Prof. Paper 550-D, p. D69-D75, 2 figs.
- Schultz-Motel, Jurgen, 1966, Gymnospermen-Holzer aus dem oberkretazischen Umzamba-Schichten von Ost-Pondoland (S-Afrika): *Senckenbergiana Lethaea*, v. 47, no. 3, p. 279-337, 2 figs., pls. 38-44.
- Schumacker-Lambry, J., 1966, Étude d'un cone de Lepidocarpaceae du houiller belge: *Acad. royale Belgique, Classe Sci. Mém., ser. 2*, v. 17, no. 1, p. 7-27, 1 fig. 5 pls.
- Schweitzer, H. J., 1968, Pflanzenreste aus dem Devon Nord-Westspitzbergens: *Palaeontographica*, Abt. B, v. 123, Festband Weyland, pt. 1-6, p. 43-75, pls. 5-15; 13 figs.
- 1969, Die Oberdevon-Flora der Bareninsel, 2. Lycopodiinae: *Palaeontographica*, Abt. B, v. 126, pt. 4-6, p. 101-137, figs. 1-23, pls. 12-23.
- 1972, De Mitteldevon-Flora von Lindlar (Rheinland) 3. Filicinae—*Hyenia elegans* Kräusel und Weyland: *Palaeontographica*, Abt. B., v. 137, pt. 4-6, p. 154-175, 14 figs.. pls. 30-39.
- Segonzac, Geneviève, 1970a, Dasycladales nouvelles du Sparnacien des Pyrénées agiégeoises: *Acad. Sci. (Paris), Comptes rendus, Sér. D*, v. 270, no. 15, p. 1881-1884, 3 figs.
- 1970b, Essai de classement de quelques Acétabulariacées Tertiaires (algues calcaires): *Soc. Histoire Nat. Toulouse Bull.*, v. 106, no. 3-4, p. 333-340, pls. 19, 20.
- 1972a, Description d'un nouveau genre algue calcaire du "Sparnacien" des Pyrénées, de la Haute-Garonne, de l'Aude et l'Ariège—*Sarosiella*: *Soc. Histoire Nat. Toulouse Bull.* v. 108, no. 3-4, p. 394-396, pl. 1, figs. 1-6.
- 1972b, Une nouvelle Acétabulariacée tertiaire—*Rostroporella oviformis* n. g., n. sp. (algue calcaire). *Géol. Soc. France Bull.*, 7th Ser., v. 8, no. 1/2, p. 181-186, pls. 10, 11, 12.
- Senkevich, M. A., 1961, Opisanie flory Devona Kazakhstana [Description of Devonian flora of Kazakhstan]: *Materialy po geologii i poleznym iskopaemym Kazakhstana*, no. 1 (26), p. 115-211, 13 figs., pls. 20-37.
- Sharma, B. D., 1969, *Guptioxylon amarjolense* gen. et sp. nov. from Amarjola in the Rajmahal Hills, India: *Palaeontographica*, Abt. B, v. 126, pt. 4-6, p. 145-153, 5 figs., 3 pls.
- 1971, On the anatomy and isolated petioles of ferns from Armajola, Rajmahal Hills, India: *Linnean Soc., London, Bot. Jour.*, v. 64, no. 1, p. 149-156, 6 figs., 2 pls.
- Shaykin, I. M., 1966, Characeae verkhnego karbona Donbassa, in Maslov, V. P., and Vakhrameev, V. A., eds., *Iskopaemye kharofity SSSR* [Characeae of the upper Carboniferous of the Donets basin, in Maslov, V. P.,

- and Vakhrameev, V. A., eds., Fossil charophytes of the U.S.S.R.] Akad. Nauk SSSR, Geol. Inst. Trudy [new ser.], no. 143, p. 154-160, 2 figs., 1 pl.
- Shvedov, N. A., 1963, Novye Rannetriasovye rasteniya iz Noril'skogo raiona [New Early Triassic plants from the Noril'sk region]: Nauchno-Issled. Inst. Geol. Arktiki, Sbornik statey po paleontologii i biostratigrafii no. 32, p. 59-67, 1 fig., 3 pls.
- Sikstel', T. A., 1966, K fitostratigrafii Permi Sredney Azii [The phytostriatigraphy of the Permian of Central Asia]: Tashkent, Gosudarstvennyy Univ., 60 p., 16 figs., 22 pls.
- Sikstel', T. A., and others, 1971, K istorii razvitiya ginkgovykh v Sredney Azii, in Paleobotanika Uzbekistana, v. II [The history of the development of ginkgophytes in Central Asia, in Paleobotany of Uzbekistan, v. II]: Tashkent, Akad. Nauk Uzbekskoy SSR, Inst. Bot., p. 62-116, 3 figs., pls. 29-71.
- Skog, J. E., Andrews, H. N., and Mamay, S. H., 1969, *Canipa quadrifida*, a syngial fructification from the Middle Pennsylvanian of West Virginia: Torrey Bot. Club Bull., v. 96, no. 3, p. 276-287, 12 figs.
- Skog, J. E., and Banks, H. P., 1973, *Ibyka amphikoma*, gen. et sp. n., a new protoarticulate precursor from the late Middle Devonian of New York State: Am. Jour. Botany v. 60, no. 4, p. 366-380, 24 figs.
- Sokać, Branko, 1968, A new genus of calcareous algae from the Middle Triassic of Velebit: Jugoslavia, Geološki vjesnik 21 (1967), p. 207-212, 1 fig., 4 pls.
- Srebrodol'skaya, I. N., 1969, Novye predstaviteli Pozdnetriasovoi flory Severnogo V'etnama, in Biostratigraficheskii Sbornik, issue 4 [New representatives of Late Triassic flora of northern Viet Nam, in Biostratigraphical articles, issue 4]: Vsesoyuz. Nauchno-Issled. Geol. Inst., Tr., new ser., v. 130a, p. 85-101, 6 figs., 5 pls.
- Srivastava, S. C., and Maheshwari, H. K., 1973, *Satsangia*, a new plant organ from the Triassic of Nidpuri, Madhya Pradesh: Geophytology, (Lucknow, India), v. 3, no. 2, p. 222-227, 3 figs., 1 pl.
- Stidd, B. M., and Hall, J. W., 1970, *Callandrium callistophytoides*, gen. et sp. nov., the probable pollen-bearing organ of the seed fern Callistophyton: Am. Jour. Botany, v. 57, no. 4, p. 394-403, 25 figs.
- Stanislavsky, F. A., 1973, Novyy rod *Toretzia* iz verkhnego Triasa Donbassa i ego otnoshenie k rodami poryadka Ginkgoales [A new Upper Triassic genus *Toretzia* from the Donbass and its relation to the order of Ginkgoales]: Paleont. Zhur., 1973, no. 1, p. 88-96, 2 figs. pl. 12.
- Stockmans, François, 1968, Végétaux Mesodevoniens recoltea aux confins su Massif du Brabant (Belgique): Inst. Royal Sci. Naturelles Belgique, Mém. 159, 49 p., 5 figs., 14 pls.
- Straus, Adolf, 1969, Beiträge zur Kenntnis der Pliozänflora von Willershausen (VII)—Die Angiospermen—Früchte und -Samen: Argumenta Palaeobotanica, Heft 3, 1969, p. 163-197, 9 figs., pls. 28-33.
- Sukhov, S. V., 1969, Semena Pozdnepaleozoyskikh rasteniy Sredney Sibiri [Seed of late Paleozoic plants of central Siberia]: Sibirskii Nauchno-Issled. Inst. Geologii Geofizii, i Mineralnogo Syr'ya Trudy, no. 64, 264 p., 31 pls.
- Surange, K. R., and Maheshwari, H. K., 1970, Some male and female fructifications of Glossopteridales from India: Palaeontographica, Abt. B, v. 129, pt. 4-6, p. 178-192, pls. 40-43, figs. 1-11.
- Sveshnikova, I. N., 1967, Pozdmelovye Khvoynnye Sovetskogo Soyusa. I. Iskopaemye Khvoynnye Vilyuyskoy sineklizy, in Takhtadzhiana, A. L., red.

- Paleobotanika—Problemy izucheniya iskopaemoy flory uglenosnykh otlozheniy SSSR, [Late Cretaceous Coniferales of the Soviet Union. [pt.] I—Fossil Coniferales of the Viliuyian depression, in Takhtadzhya, A. L., ed. Paleobotany—Problems (concerning) the studies of fossil flora in the coal-bearing deposits of the U.S.S.R.]: Akad. Nauk SSSR, Bot. Inst. Trudy, ser. 8, no. 6, p. 177–203, 12 pls.
- Sveshnikova, I. N., and Budantsev, L. Yu., 1967, *Nansenia*—Novyy rod semeistva Pinaceae iz nizhnego mela Zemli Frantsa Iosifa [*Nansenia*—new genus of the family Pinaceae from the Lower Cretaceous of Frans Josef Land]: Palaeontol. Zhur., 1967, no. 3, p. 123–125, pl. 12.
- 1969, Iskopaemye flory Arktiki, I. Paleozoyskie i Mezozoyskie flory Zapadnogo Shpitsbergena, Zemli Frantsa-Iosifa i Ostrova Novaya Sibir' [Fossil flora of the Arctic (pt.) I—Paleozoic and Mesozoic flora of west Spitsbergen, Franz-Josef Land and New Siberian Islands]: Leningrad, Akad. Nauk SSSR, Bot. Inst., 129 p., 18 figs., 46 pls.
- Taylor, T. N., 1967, Paleozoic seed studies: On the structure of *Conostoma leptospermum* n. sp., and *Albertonia incostata* n. gen. and sp.: Palaeontographica, Abt. B, v. 121, pt. 1–3, p. 23–29, figs. 1–4; pls. 8, 9.
- 1970, *Lasioctonus* gen. n., a staminate strobilus of gymnospermous affinity from the Pennsylvanian of North America: Am. Jour. Botany, v. 57, no. 6, pt. 1, p. 670–690, 48 figs.
- 1971, *Halletheca reticulatus* gen. et sp. n.: A synangiate Pennsylvanian pteridosperm pollen organ: Am. Jour. Botany, v. 58, no. 4, p. 300–307, 16 figs.
- Taylor, T. N., and Eggert, D. A., 1967, Petrified plants from the Upper Mississippian of North America—1. The seed *Rhynchosperra* gen. n.: Am. Jour. Botany, v. 54, no. 8, p. 984–992, figs. 1–25.
- Tchuvashov, B. I., 1971, Novyy rod pozdnepaleozoyskikh krasnykh vodorosley [A new genus of late Paleozoic red algae]: Paleontol. Zhur., no. 2, 1971 p. 85–89, fig. 1; pl. 10, figs. 1–4.
- Teslenko, Yu. V., 1970a, K geologicheskoi istorii listvennits i lzhelistvennits [On the geological history of larches and pseudolarches]: Paleont. Zhur., no. 2, 1970, p. 98–104, pl. 13, figs. 1–6.
- 1970b, Stratigrafiya i flora Yurskikh otlozheniy zapadnoy i yuzhnoy Sibiri i Tuvy [Stratigraphy and flora of Jurassic deposits of western and southern Siberia and Tuva]: Sibirskii Nauchno-Issled. Inst. Geologii Geofizii, i Mineralogo Syr 'ya Trudy, Paleontogiya i Stratigrafiya, no. 42, 270 p., 12 figs., 52 pls.
- Tidwell, W. D., 1967, Flora of Manning Canyon Shale. Part 1. A lowermost Pennsylvanian flora from the Manning Canyon Shale, Utah, and its stratigraphic significance: Brigham Young Univ. Geol. Studies, v. 14, p. 3–66, figs. 1–5, pls. 1–10.
- Tidwell, W. D., Rushforth, S. R., and Reveal, J. L., 1967, A new Cretaceous fern genus from Utah and Colorado: Brigham Young Univ. Geol. Studies, v. 14, p. 237–240, 1 fig., 6 pls.
- Townrow, J. A., 1967a, On a conifer from the Jurassic of East Antarctica: Royal Soc. Tasmania Papers and Proc., v. 1, p. 137–147, 5 figs.; 1 pl.
- 1967b, On *Rissikia* and *Matia* podocarpaceous conifers from the lower Mesozoic of southern lands. Royal Soc. Tasmania Papers and Proc., v. 101, p. 103–136, 15 figs., 2 pls.
- Trivedi, B. S., and Ambwani, K., 1971, On the structure of *Nymphaeocaulon intertrappeum* gen. et sp. nov. from the Deccan Intertrappean series of

- Mohgaonkalon (M. P.), India: *Palaeontographica*, Abt. B, v. 133, pt. 4-6, p. 129-136, 3 figs., pls. 44, 45.
- Trivedi, B. S., and Chaturvedi, S. K., 1972, *Voyrioseminites magnus* gen. et sp. nov., a fossil seed from Tertiary coal of Malaya: *Geophytology* (Lucknow, India), v. 1, no. 2, (1971) p. 161-164, 2 figs., 1 pl.
- Trivedi, B. S., and Verma, C. L., 1971 The structure of pseudostem and root of *Cannaites intertrappea* gen. et sp. nov. from the Deccan Intertrappean beds of Madhya Pradesh, India: *Palaeontographica*, Abt. B, v. 132, pt. 5-6, p. 174-185, figs. 1-4; pls. 29, 30, figs. 1-12.
- 1972, Occurrence of *Heliconiaites mohgaonensis* gen. et sp. nov. from the early Eocene of Deccan Intertrappean Series, M. P., India: *Palaeontographica*, Abt. B, v. 139, pt. 5-6, p. 73-82, 4 figs., pls. 46-48, figs. 1-16.
- Tyroff, Helmut, 1966, Die Algen und Koniferen des Zechsteins von Büdingen (Wetterau): *Senckenbergiana Lethaea*, v. 47, no. 3, p. 253-277, 4 figs., pls. 32-37.
- Unger, Franz, 1841-47, Beiträge zur Flora der Vorwelt—Chloris Protogaea: Leipzig, p. i-cx, 1-150, 50 pls. (In 10 parts pt. 2, p. 17-44, pls. 6-15, 1842)
- 1850, Genera et species plantarum fossilium: Vienna, 627 p.
- Vakhrameev, V. A., Novyye Mezozoiskie paprotniki, in *Rasteniya Mezozoya* [New Mesozoic ferns, in Mesozoic plants]: Akad. Nauk SSSR, Geol. Inst., Trudy, No. 191, p. 7-15, 4 figs., 4 pls.
- Varma, C. P., 1968, On a collection of leaf impressions from Hardwar beds (Shivalik Formation) near Hardwar, Uttar Pradesh: *Paleont. Soc. India*, Prem Nath Ganju Memorial Volume, v. 5-9 (1960-64) p. 83-88, 2 figs., 1 pl.
- Vasil'yev, V. N., 1967, Novyy rod semeistva Trapaceae [New genus of the family Trapaceae]: Akad. Nauk SSSR, *Palaeont. Zhur.*, 1967, no. 2, p. 107-112, pl. 8, figs. 1-6.
- Vladimirovich, V. P., 1972, O srednetriassovoy flore Priurala, in *Platformennyye obrazovaniya Urala*. Sbornik po Stratigrafii, No. 17 [On Middle Triassic flora of Orenburg in the Ural region, in Platformal structures of the Urals. Collected Stratigraphic Papers, no. 17]: Akad. Nauk, SSSR, Ural'skii Nauchnyi Tsent. Inst. Geologii i Geokhimi, Trudy, no. 96, p. 87-98, 2 pls.
- Vladimirovich, V. P., and others, 1967, Stratigrafiya Triaskvykh otlozheniy sredney Sibiri, in *Stratigrafiya mezozoya i kaynozoya sredney Sibiri* [Stratigraphy of Triassic deposits of central Siberia, in Stratigraphy of the Mesozoic and Cenozoic of central Siberia]: Novosibirsk, Akad. Nauk SSSR, Sibirskoye Otdel., p. 7-30, 12 figs.
- Vogellehner, Dieter, 1967, Zur Anatomie und Phylogenie Mesozoischer Gymnospermenhölzer, 5. Prodrum zu Einer Monographie der Protopinaceae: *Palaeontographica*, Abt. B, v. 121, pts. 1-3, p. 30-51.
- 1968, Zur Anatomie und Phylogenie Mesozoischer Gymnospermenhölzer, 7. Prodrum zu einer Monographie der Protopinaceae, II, Die Protopinoiden Hölzer des Jura: *Palaeontographica*, Abt. B, v. 124, pts. 4-6, p. 125-162.
- Vologdin, A. G., 1962, Drevneyshie vodorosli SSSR. Chast' 1. Vodorosli Siniya. Chast' 2. Vodorosli Kembriya i Ordovika. [The most ancient algae of the U.S.S.R. Part 1, Sinian algae. Part 2. Cambrian and Ordovician algae]: Moscow, Akad. Nauk SSSR, 656 p. [In 2 parts with continuous pagination. Each part has separate sets of text-figs, and plates. Pt. 1. text-figs. 1-95, pls. 1-80; Pt. 2. text-figs. 1-40, pls. 1-46.]

- 1969, Sinezelenya vodorosli Kembriya uscheliya Ulug-Shangan, Tuva [Cambrian cyanophyceans from Ulug-Shangan gorge, Tuva]: Akad. Nauk SSSR Doklady, v. 188, no. 6, p. 1377–1379, 4 figs.
- 1970, Ostatki organizmov iz shungitov, Dokembriya Karelii [Organic remains from shungites in the Precambrian of Karelia]: Akad. Nauk SSSR, Doklady, v. 193, no. 5, p. 1163–1166, figs. 1a, b, v.
- Vologdin, A. G., and Drosdova, N. A., 1969a, Kotkrytyu vodoroslei semenistva Rivulariaceae v pozdnei dokembrii [A discovery of algae of the family Rivulariaceae in the late Precambrian]: Akad. Nauk SSSR Doklady, v. 187, no. 5, p. 1162–1163, fig. I: 1–4 (opposite p. 1161).
- 1969b, Novye sineselenye vodorosli Dokembriiskogo vozrasta iz Batenevskogo Kriyashe [New Precambrian cyanophyceans from Batenev ridge]: Akad. Nauk SSSR Doklady, v. 187, no. 2, p. 440–442, fig. I:1–5.
- 1969c, Vodorosli Sem. Gloeocapsaceae v osadkakh Dokembriya Batenevskogo Kryazha [Algae of the Family Gloeocapsaceae in the Precambrian of Batenev ridge]: Akad. Nauk SSSR Doklady, v. 186, no. 67, p. 1419–1421, fig. I:1–6.
- Vologdin, A. G., and Kochetkov, O. S., 1966, Ob otkrytii ostatkov gigantiskikh Sifoney v drevnikh sloyakh Timanskogo Kryazha [The discovery of gigantic Siphonophora in ancient strata of the Timanian mountain range]: Akad. Nauk SSSR Doklady, v. 169, no. 3, p. 672–675, figs. 1–4.
- Vologdin, A. G., and Strygin, A. I., 1969, Otkrytie ostatkov organizmov v verkhney svite Krivorozhskoy serii Dokembriya Ukrainy [The discovery of organic remains in the upper suite of the Krivorozhsk series in the Precambrian of the Ukraine]: Akad. Nauk. SSSR Doklady, v. 188, no. 2, p. 446–449, 2 figs.
- Walter, M. R., 1972, Stromatolites and the biostratigraphy of the Australian Precambrian and Cambrian. Special Papers in Palaeontology, II: London, Palaeont. Assoc., 268, p. 55 figs.; 34 pls.
- Walther, Harold, 1967, Ergänzungen zur Flora von Seifhennersdorf (Sachsen), I. Teil: Dresden Staatliches Mus. Mineralogie Geologie Abh., v. 12, p. 259–277, 4 figs., 2 pls.
- Watson, Joan, 1969, A revision of the English Wealden flora; I. Charales—Ginkgoales: British Mus. (Natural History) Bull. Geology, v. 17, no. 5, p. 207–254, 64 figs., 6 pls.
- Weyland, Herman, und Berendt, Werner, 1968, Neue Pflanzen aus den Brandenburg-Schichten des Mittledevons von Wuppertal-Elberfeld: Palaeontographica, Abt. B, v. 122, pt. 4–6, p. 171–182, 4 figs.; pls. 27–30.
- Wille, Wolfgang, 1970, *Plaesiodyton mosellanum* n.g., n.s., eine mehrzellige Grünalge aus dem unteren Keuper von Luxemburg: Neues Jahrb. Geologie Paleontologie, Monatsh., no. 5, p. 283–310, 15 figs.
- Wolfe, J. A., 1968, Paleogene biostratigraphy of nonmarine rocks in King County, Washington: U.S. Geol. Survey Prof. Paper 571, 33 p., 5 pls.
- Wray, J. L., 1967, Upper Devonian calcareous algae from the Canning basin, Western Australia: Colorado Sch. Mines Prof. Contr., no. 3, 76 p., 18 figs., 11 pls.
- Yoshida, Riuiti, 1970, Nôvo gênero de Conifera da Formação Estrada Nova, norte do Estado de Santa Catarina: Brazil Div. Geologia e Mineralogia Bol. 249, p. 5–17, 4 pls.
- Yurina A. L., 1969, Devonskaya flora Tsentral'nogo Kazakhstana, in Materialy po geologii Tsentral'nogo Kazakhstana, t. 8 [Devonian flora of central

54 INDEX OF GENERIC NAMES OF FOSSIL PLANTS, 1966-1973

Kazakhstan, *in* Geologic records of central Kazakhstan, v. 8]: Moscow, Moskovskiy Gosudarstvennyy Univ., 207 p., 38 figs., 30 pls.

Zalessky, M. D., 1944, *Über drei neue Pflanzenreste aus den stephanischen und amadokischen Ablagerungen des Donezbeckens*: Neues Jahrb. Mineralogie, Geologie, Paläontologie Monatsh, Abt. B, no. 7/9. p. 188-192, 3 figs.

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The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and any other financial activity.

The second part of the document provides a detailed breakdown of the accounting process. It starts with the identification of the accounting cycle, which consists of eight steps: identifying the accounting cycle, analyzing the source documents, journalizing the transactions, posting to the ledger, preparing a trial balance, adjusting the accounts, preparing financial statements, and closing the books.

The third part of the document discusses the various types of accounts used in accounting. It categorizes them into assets, liabilities, equity, revenue, and expense accounts. It explains how each type of account is used to record and track different aspects of the business's financial performance.

The fourth part of the document covers the process of preparing financial statements. It outlines the steps involved in calculating the net income, preparing the income statement, balance sheet, and statement of cash flows. It also discusses the importance of comparing these statements to the previous period to identify trends and anomalies.

The fifth part of the document discusses the role of the accountant in the business. It highlights the accountant's responsibility for providing accurate and timely financial information to management and other stakeholders. It also discusses the importance of maintaining confidentiality and adhering to ethical standards.

The sixth part of the document discusses the various methods used to record transactions. It compares the double-entry system, which is the most common method, with the single-entry system. It also discusses the use of journals and ledgers to organize and summarize the accounting data.

The seventh part of the document discusses the importance of reconciling the accounts. It explains how reconciling the bank statements and the company's records can help identify errors and ensure that the financial statements are accurate.

The eighth part of the document discusses the various types of errors that can occur in accounting. It includes errors of omission, commission, and transposition. It also discusses the methods used to identify and correct these errors.

The ninth part of the document discusses the various types of accounts used in accounting. It includes the general ledger, subsidiary ledgers, and control accounts. It also discusses the importance of maintaining a clear and organized accounting system.

The tenth part of the document discusses the various types of financial statements. It includes the income statement, balance sheet, statement of cash flows, and statement of retained earnings. It also discusses the importance of providing a clear and concise summary of the business's financial performance.