Index of Generic Names of Fossil Plants, 1966-1973

GEOLOGICAL SURVEY BULLETIN 1396

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By ANNA M. BLAZER

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

UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON : 1975

UNITED STATES DEPARTMENT OF THE INTERIOR

ROGERS C. B. MORTON, *Secretary*

GEOLOGICAL SURVEY

V. E. McKelvey, *Director*

Library of Congress Cataloging in Publication Data
Blazer, Anna M.
Index of generic names of fossil plants, 1966–1973.
(Geological Survey bulletin 1396)
"Based on the Compendium index of paleobotany of the U. S. Geological Survey."
Supplement to Index of generic names of fossil plants, 1820–1965, by H. N. Andrews.
Supt. of Docs. no.: I 19.3:1396
1. Paleobotany—Nomenclators. 2. Paleobotany—Bibliography I. Andrews, Henry Nathaniel, 1910–Index of generic names of fossil plants, 1820–1965. II. Title. III. Series: United States. Geological Survey. Bulletin, 1396.
QE75.B9 no. 1396 [QE903] 557.3'08s [561'.1] 74–14995

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402
Stock Number 024-001-02646-5

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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.

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Acaciella austrica (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.

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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.

NYMPHAEOCAULON 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.

OPILIOXYLON Koeniguer, 1970.
Opilioxylon nigerinum Koeniguer, 1970, p. 148–151, fig. 3:1–3; paleoxylotomous 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; Frielendorf, 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 Greguss, 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.

R

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.

TUZHYKOVIELLA Vladimirovich,
Tuzhykoviella 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.

U

UMALTOLEPSIS Krasilov, 1972.
Umaltolepsis 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, Khavarosk Kray, U.S.S.R.

UMBELLULA Korde, 1973.
Umbellula minuta Korde, 1973, p. 135, pl. 15, fig. 3; algae, Cambrinacaeae; Lower Cambrian; Bazaikha river, eastern Sayan, U.S.S.R.

URALIA Chirkova-Zalesskaya, 1959.
Uralia bella Chirkova-Zalesskaya, 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.

V

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.

VARIPILICUTIS 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, Vendotaenides; 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. I:1–6; microscopic colonial algae, Gloeocapsaceae; Precambrian; Batenev ridge, Krasnoyarskiy Kray, U.S.S.R.

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* U.S. GOVERNMENT PRINTING OFFICE: 1975 O—585–474/100