

The Kidston Collection and list of genera and species

From Earthwise

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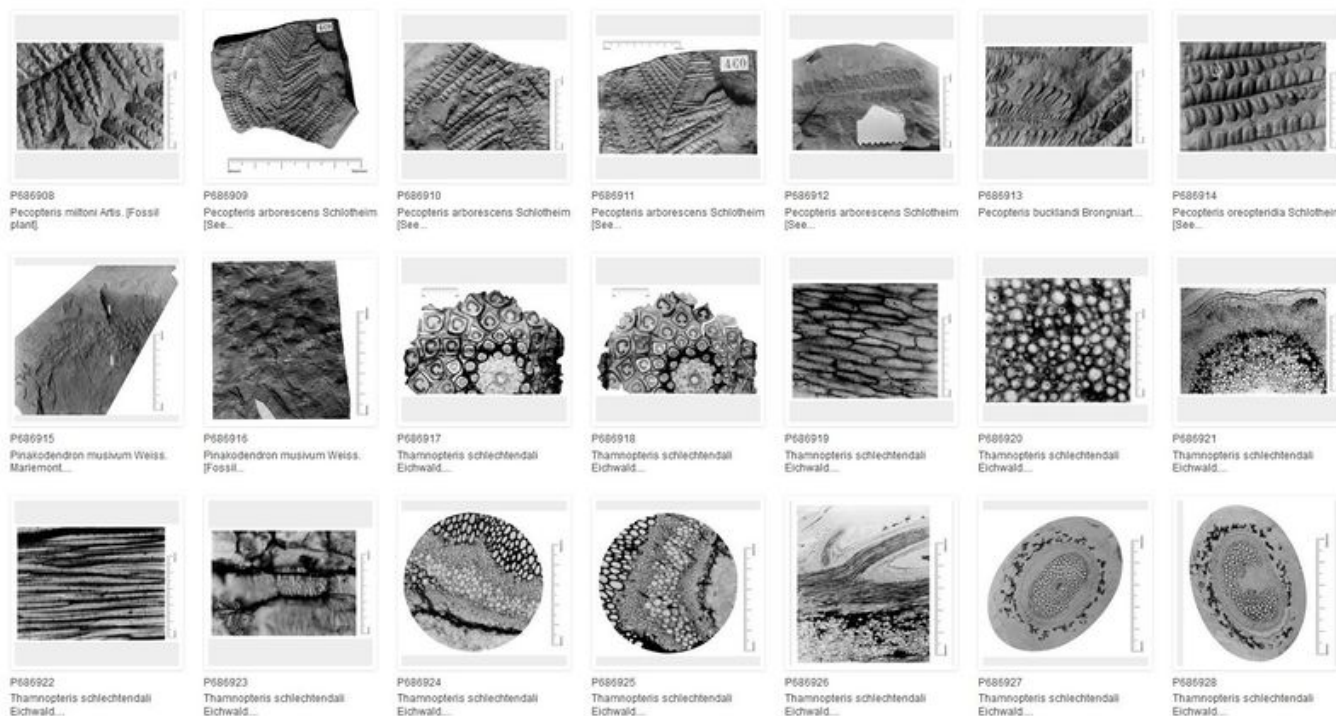
The Kidston collections

The Kidston Collection of plant incrustations, one of the finest in the world and probably the best which has ever been accumulated by a single worker, comprises over 7,000 selected fossils and includes many types and figured specimens. Some were obtained by Kidston himself, but the majority were carefully chosen from those collected by the numerous workers in Great Britain over half a century, while a few, received from abroad, are valuable for comparative purposes. The collection, which was bequeathed by Kidston to the Geological Survey, has been carefully housed in the Reserve and Study Gallery of the Geological Survey and Museum. It may be examined there by those interested, loans of specimens are made to approved research workers, and enquiries are welcomed. The collection is arranged with the genera and species in alphabetical order so that any given plant can be found immediately. In addition to a numerical register, prepared by Kidston, a detailed catalogue has been made of the specimens, showing the number in the collection, locality, horizon, collector, references to literature, etc.

The collection of nearly 4,000 photographic negatives made by Kidston in the course of his studies is also preserved in the Geological Survey and Museum. It includes negatives not only of the best fossils in his own collection but also others of important specimens in public Museums and private collections. A catalogue of these negatives has been prepared, and, as some showed signs of deteriorating with age, they have been printed off, mounted and arranged for ready reference.

Kidston's collection of microscope slides, numbering over 3,000, of which some hundreds have been figured, was bequeathed to the Botanical Department of the University of Glasgow. Owing to the terms of the bequest, the slides are not normally allowed outside the Department, though, under

special conditions and by special arrangement, they can be sent for inspection to the British Museum (Natural History), Cromwell Road, South Kensington, London, S.W.7. A catalogue of these slides has been prepared by Dr. M. Calder and is to be published shortly. Kidston's library of palaeobotanical literature, almost complete to the time of his death, was also bequeathed to the Botanical Department of the University of Glasgow.



A sample of the 3600 glass plate photographs taken by Kidston. [Robert Kidston's photographic collection of Carboniferous plants on GeoScenic](#)

List of genera and species

Introduction

The terms Lower and Upper Carboniferous are here employed in Dr. Kidston's special sense, to mean below or above the plant-break which he established within the Millstone Grit of Scotland. The more usual classification is to start the Upper Carboniferous at the base of the Millstone Grit of the Yorkshire-Lancashire region, a considerably lower level.

Silurian and Downtonian

Chondrites verisimilis Salter

Glyptodendron eatonensis Claypole

Nematophyton hicksi Etheridge

Pachythea sphaerica Hooker:

Devonian

Archaeopteris fimbriata Nathorst

Archaeopteris gaspiensis Dawson

Archaeopteris hibernica Forbes

Archaeopteris jacksoni Dawson

Archaeopteris macilenta Lesquereux

Archaeopteris obtusa Lesquereux

Archaeopteris roemeriana (Goepfert)

Arthrostigma gracile Dawson

Bothrodendron kiltorkense (Haughton)

Calamocladus (Asterophyllites) latifolius (Dawson)

Cardiocarpus cornutus Dawson

Cephalotheca mirabilis Nathorst

Foerstia furcata (Dawson)

Hostimella sp.

Hyenia sphenophylloides Nathorst

Lepidodendron australe M'Coy

Nematophyton caledonianum Lang

Nematophyton forfarense (Kidston)

Nematophyton logani (Dawson)

Pachytheca sp.

Parka decipiens Fleming

Pseudobornia ursina Nathorst

Psilophyton elegans Dawson

Psilophyton princeps Dawson

Psilophyton robustius Dawson

Rhynia gwynne-vaughani Kidston and Lang

Sphenopteridium keilhani Nathorst

Sphenopteris condusorum (*Crepin*)
Sphenopteris flaccida *Crepin*
Sporocarpon furcatum *Dawson* see *Foerstia*
Sporangites biloba *Dawson*
Sporangites brazilensis *Dawson*
Sporangites glabra *Dawson*
Sporangites huronensis *Dawson*
Thursophyton milleri (*Salter*)
Zosterophyllum myretonianum *Penhallow*:

Lower Carboniferous

Adiantites antiquus (*Ettingshausen*)
Adiantites tenuifolius (*Goeppert*)
Alcicornopteris convoluta *Kidston*
Alcicornopteris convoluta zeilleri *Vaffier*
Ancistrophyllum stigmariaeforme *Goeppert*
Anehnites acadica *Dawson*
Anehnitesvalida *Dawson*
Archaeopteridium tschermaki (*Stur*)
Archaeosigillaria vanuxemi (*Goeppert*)
Astero calamites radiatus *Brongniart* see *A. scrobiculatus*
Astero calamites scrobiculatus (*Schlotheim*)
Bothrodendron depereti *Vaffier*
Bothrodendron kidstoni *Weiss*
Bothrodendron wardiense (*Kidston MS.*) *Crookall*
Bothrodendron wükianum (*Heer*)
Bythothrepis acicularis (*Goeppert*)
Bythothrepis gracilis *Hall*
Bythothrepis plumosa *Kidston*

Calamites cistiiformis Stur

Calamites haueri Stur

Calamites ostraviensis Stur ramifer Stur

Calamites roemeri Goepfert

Calamites taitianus Kidston and Jongmans

Calcisphaera sp.

Calymmatotheca affinis Lindley and Hutton) see Sphenopteris bifida (Lindley and Hutton) see Sphenopteris stangeri Stur

Calymmotheca Iarischii Stur

Cardiocarpus bicaudata Kidston see Samaropsis

Cardiocarpus nervosa Kidston see Samaropsis

Cardiopteris frondosa (Goepfert)

Cardiopteris polymorpha (Goepfert)

Carpolithus fragarioides Newberry

Cladoxylon kidstoni Solms-Laubach

Dactylotheca sturi Sterzel see Pecopteris

Diplolabis roemeri Solms-Laubach

Diplopteridium teilianum (Kidston)

Diploptemema adiantoides (Schlotheim)

Diploptemema bermudensiforme (Schlotheim)

Diploptemema dissectum (Brongniart)

Diploptemema patentissimum (Ettingshausen)

Eskdalia minuta (Kidston)

Holcosperma dubium Nathorst

Lagenospermum arberi Nathorst

Lepidodendron acuminatum (Goepfert)

Lepidodendron calamitoides Nathorst

Lepidodendron corrugatum Dawson

Lepidodendron fallax *Nathorst*
Lepidodendron glincanum *Eichwald*
Lepidodendron jaschei *Roemer*
Lepidodendron mirabile *Nathorst*
Lepidodendron nathorsti *Kidston*
Lepidodendron nordenskioldi *Nathorst*
Lepidodendron rhodeanum *Sternberg*
Lepidodendron roberti *Nathorst*
Lepidodendron spetsbergense *Nathorst*
Lepidodendron veltheimianum *Sternberg*
Lepidodendron volkmannianum *Sternberg*
Lepidophloios macrolepidotus *Goldenberg*
Lepidophloios scoticus *Kidston*
Lepidostrobus comosus *Lindley and Hutton*
Lepidostrobus fimbriatus *Kidston*
Lepidostrobus lanceolatus (*Lindley and Hutton*)
Lepidostrobus variabilis *Lindley and Hutton*
Lycopodites (*Sigillaria*) *vanuxemi* *Goepfert see Archaeosigillaria*
Marchantites sp.
Neuropteris antedecens *Stur*
Oothea globosa *Kidston*
Oothea nordenskioldi *Nathorst*
Pecopteris sturi *Sterzel*
Pinnularia sp.
Plumatopteris elegans *Kidston*
Ptilophyton plumosa *Dawson*
Rhacopteris dichotoma *Kidston*
Rhacopteris geikiei *Kidston*

Rhacopteris inaequilatera (*Goeppert*)
Rhacopteris lindsaeformis (*Bunbary*)
Rhacopteris petiolata (*Goeppert*)
Rhacopteris robusta *Kidston*
Rhacopteris subcuneata *Kidston*
Rhacopteris transitionis *Heer*
Rhodea feistmanteli *Kidston*
Rhodea gigantea *Stur*
Rhodea goepperti (*Ettingshausen*)
Rhodea smithi *Kidston*
Rhodea tenuis *Gothan*
Rhyncogonium costatum *Heer*
Rhyncogonium sulcatum (*Lindley and Hutton*)
Samaropsis bicaudata (*Kidston*)
Schuetzia bennieana *Kidston*
Sigillaria canobiana *Kidston*
Sigillaria taylori (*Carruthers*)
Spathulopteris clavigera (*Kidston*)
Spathulopteris decomposita (*Kidston*)
Spathulopteris dunsii (*Kidston*)
Spathulopteris ettingshauseni (*Feistmantel*)
Spathulopteris obovata (*Lindley and Hutton*)
Sphenophyllum tenerrimum *Stur*
Sphenopteridium crassum (*Lindley and Hutton*)
Sphenopteridium dissectum (*Goeppert*)
Sphenopteridium kidstoni (*Nathorst*)
Sphenopteridium macconochiei (*Kidston*)
Sphenopteridium norbergi *Nathorst*

Sphenopteridium pachyrrachis (Goepfert)
Sphenopteridium speciosum Kidston
Sphenopteris affinis Lindley and Hutton
Sphenopteris bifida Lindley and Hutton
Sphenopteris clavigera Kidston see *Spathulopteris*
Sphenopteris cymbiformis Kidston
Sphenopteris decomposita Kidston see *Spathulopteris*
Sphenopteris dicksonioides (Goepfert)
Sphenopteris dunsii Kidston see *Spathulopteris*
Sphenopteris elegans Brongniart see *Diplomema adiantoides*
Sphenopteris falkenhaini Stur
Sphenopteris flexibilis Heer
Sphenopteris foliolata Stur
Sphenopteris fragilis (Schlotheim)
Sphenopteris kirkbyi Kidston
Sphenopteris macconochiei Kidston see *Sphenopteridium mira* Kidston
Sphenopteris schimperiana Goepfert
Sphenopteris taitiana Kidston
Sphenopteris teiliana Kidston see *Diplopteridium*
Staphylopteris peachi Kidston see *Sphenopteris affinis*
Stigmara abbreviata Goldenberg
Stigmara ficoides (Sternberg)
Stigmara stellata (Goepfert)
Stigmariopsis rimosa (Goepfert)
Stigmariopsis rimosiformis Kidston
Thysanotesta sagittula Nathorst
Zeilleria moravica (Ettingshausen)

Upper Carboniferous

Acitheca polymorpha (Brongniart)

Adiantites bondi Kidston

Adiantites oblongifolius Goepfert

Adiantites sessilis Potonié

Adiantites tenellus Kidston

Adiantites wardi Kidston

Alethopteris aquilina (Brongniart)

Alethopteris davreuxi (Brongniart)

Alethopteris decurrens (Artis)

Alethopteris evansi Lesquereux

Alethopteris gracillima Boulay

Alethopteris grandifolia Newberry

Alethopteris grandini Kidston (non Brongniart)

Alethopteris lonchitica (Schlotheim)

Alethopteris oblongata (Sternberg)

Alethopteris pontica Zeiller

Alethopteris pseudoaquilina Potonié

Alethopteris serli (Brongniart)

Alethopteris valida Boulay

Alloiopteris radstockensis Kidston

Alloiopteris serrula (Lesquereux)

Annularia dubia (Sternberg)

Annularia galioicles (Lindley and Hutton)

Annularia huttoni Lebour

Annularia patens (Sauveur) see *A. radiata*

Annularia radiata Brongniart

Annularia ramosa Weiss

Annularia sphenophylloides (Zenker)
Annularia spicata (Gutbier)
Annularia stellata (Schlotheim)
Antholithus sp.
Aphlebia acanthoides Zeiller
Aphlebia anomala (Brongniart)
Aphlebia crispa (Gutbier)
Aphlebia filiciformis (Gutbier)
Aphlebia goldenbergi Weiss
Aphlebia linearis (Gutbier)
Aphlebia membranacea Lesquereux
Artisia approximata (Brongniart)
Artisia transversa (Artis)
Asolanus camptotaenia Wood
Asterophyllites charaeformis (Sternberg)
Asterophyllites dumasi Zeiller
Asterophyllites equisetiformis (Schlotheim)
Asterophyllites gracilis Lesquereux
Asterophyllites grandis (Sternberg)
Asterophyllites jubata (Lindley and Hutton)
Asterophyllites longifolius (Sternberg)
Asterophyllites lycopodioides Zeiller
Asterophyllites striatus Weiss
Asterophyllites tenuis Bunbury
Asterotheca abbreviata (Brongniart)
Asterotheca arborescens (Schlotheim)
Asterotheca candolleana (Brongniart)
Asterotheca crenulata (Brongniart)

Asterothecacyathea (Schlotheim)
Asterothecadaubreei Zeiller
Asterothecahemitelioides (Brongniart)
Asterothecalamuraiana (Heer)
Asterothecalepidorachis (Brongniart)
Asterotheca miltoni (Artis)
Asterotheca oreopteridia Kidston (? Schlotheim)
Bothrodendron minutifolium (Boulay)
Bothrodendron punctatum Lindley and Hutton
Boweria minor Kidston
Boweriaschatzlarensis Kidston
Calamites britannicus (Weiss)
Calamites brittsi White (Kidston and Jongmans emend.)
Calamites brongniarti Sternberg
Calamites carinatus Sternberg
Calamites cisti Brongniart
Calamites dictyoderma Kidston and Jongmans
Calamites discifer Weiss
Calamites goepperti Ettingshausen
Calamites jubatus (Lindley and Hutton)
Calamites ohlsbachensis Sterzel
Calamites paleaceus Stur
Calamites pauciramis Weiss see C. discifer
Calamites pseudogermanianus Kidston and Jongmans
Calamites ramosus Artis see C. carinatus
Calamites sachsei Stuy, (pars)
Calamites schuetzei Stur
Calamites schuetzeiformis Kidston and Jongmans

Calamites semicircularis Weiss

Calamites suckowi Brongniart

Calamites undulatus Sternberg

Calamites varians Sternberg

Calamites verticillatus Lindley and Hutton

Calamitina approximata (Brongniart) *see* *Calamites semicircularis*

Calamitina verticillata (Lindley and Hutton) *see* *Calamites semicircularis*

Calamostachys longifolia Weiss

Calamostachys ludwigi (Carruthers)

Calamostachys nana Weiss

Calamostachys northumbriana (Kidston)

Calamostachys paniculata Weiss

Calamostachys ramosa Weiss

Calamostachys tuberculata (Sternberg)

Calamostachys typica Schimper

Callipteridium sp.

Cardiocarpus acutus Lindley and Hutton *see* *Samaropsis annulatus* Newberry

Cardiocarpus cinctus Lesquereux *contractus* (Sternberg)

Cardiocarpus crassus Lesquereux

Cardiocarpus ellipticus Lesquereux

Cardiocarpus fluitans Dawson *see* *Samaropsis*

Cardiocarpus gutbieri Geinitz *see* *Samaropsis*

Cardiocarpus latior Lesquereux

Cardiocarpus lindleyi Carruthers

Cardiocarpus marginatus (Artis) *see* *Samaropsis*

Cardiocarpus simplex Lesquereux

Cardiocarpus subacutus Grand'Eury

Carpolithus *Carpolithus areolatus* (Boulay)

Carpolithus ellipticus Sternberg
Carpolithus granulatus Sternberg
Carpolithus inflatus Lesquereux
Carpolithus membranaceus Goepfert
Carpolithus minimus Sternberg
Carpolithus ovoideus Goepfert and Berger
Carpolithus perpusillus Lesquereux
Carpolithus regularis Sternberg
Carpolithus sphaericus Schenk
Carpolithus wildi Kidston
Caulopteris anglica Kidston
Caulopteris cyclostigma (Lesquereux)
Caulopteris peltigera (Brongniart)
Cingularia typica Weiss
Cordaianthus pitcairniae (Lindley and Hutton)
Cordaianthus subacutus Grand Euvy
Cordaianthus volkmanni (Ettingshausen)
Cordaicarpus congruens Grand 'Eury
Cordaicarpus cordai (Geinitz)
Cordaicarpus crassus (Lesquereux)
Cordaicarpus gutbieri (Geinitz) see Samaropsis
Cordaicarpus lindleyi (Carruthers) see Samaropsis
Cordaicladius approximatus Renault
Cordaites angulosostriatus Kidston (? Grand 'Eury)
Cordaites borassifolius (Sternberg)
Cordaites grandifolius Lesquereux
Cordaites mansfieldi Lesquereux
Cordaites principalis (Germar)

Cordaites robbi Dawson
Cordaites simplex Dawson
Corynepteris coralloides (Gutbier)
Corynepteris erosa Kidston see Alloiopteris radstockensis
Corynepteris sternbergi (Ettingshausen)
Coseleya barkeri Kidston
Crossotheca boulayi Zeiller
Crossotheca communis (Lesquererfx)
Crossotheca crepini Zeiller
Crossotheca fimbriata Kidston see C. schatzlarensis
Crossotheca hoeninghausi Kidston see C. kidstom
Crossotheca hughesiana Kidston
Crossotheca kidstoni Crookall
Crossotheca pinnatifida (Gutbier)
Crossotheca sagittata (Lesquereux)
Crossotheca schatzlarensis (Stur)
Cyclopteris reniformis Brongniart
Cyclopteris trichomanoides Sternberg
Cyclothea biseriata Kidston
Dactylothea parallela Kidston
Dactylothea plumosa (Artis)
Dactylothea Desmopteris longifolia Presl
Dicksonites pluckeneti (Schlotheim)
Dicranophyllum anglicum Kidston
Dictyopteris muensteri Eichwald see Linopteris
Dictyopteris obliqua Bunbury.
Diplotmema coemansi (Andrae)
Diplotmema crepini Stur

Diplotmema duponti Stur
Diplotmema furcatum (Brongniart)
Diplotmema geniculatum (Gernzar and Kaulfuss)
Diplotmema intermedium (Ettingshausen)
Diplotmema schatzlarensense Stur
Diplotmema sturi (Gothan)
Diplotmema zeilleri Stur
Diplotmema zobeli (Goepfert)
Discopteris karwinensis Stur
Dolerophyllum pseudopeltatum Grand 'Eury
Dorvcordaites palmaeformis (Goepfert)
Equisetites hemingwayi (Kidston)
Equisetites rugbsus Schimper
Equisetum hemingwayi Kidston see Equisetites
Eremopteris artemisaefolia (Sternberg)
Eremopteris zamioides (Bertrand)
Eupecopteris bucklandi (Brongniart)
Eupecopteris camertonensis Kidston
Eupecopteris cisti (Brongniart)
Eupecopteris dentata (Brongniart)
Eupecopteris fletti Kidston
Eupecopteris minor Kidston
Eupecopteris villosa (Brongniart)
Eupecopteris volkmanni (Sauveur)
Eusphenopteris tenella (Brongniart) see Urnatopteris
Excipulites callipteridis (Schimper)
Excipulites neesi Goepfert
Gnetopsis hexagona Depape and Carpentier

Halonia regularis Lindley and Hutton
Halonia tortuosa Lindley and Hutton
Hexagonocarpus hookeri Kidston
Holcosperma elongatum (Kidston)
Holcosperma mammillatum (Lesquereux)
Holcosperma mentzelianum (Goepfert and Berger)
Holcosperma multistriatum (Presl)
Holcosperma sulcatum (Presl)
Hymenophyllites bronni (Gutbier)
Hymenophyllites quadridactylites (Gutbier)
Hymenotheca acuta Kidston
Hysterites cordaitis Grand 'Eury
Knorria sp.
Lagenospermum kidstoni (Arber)
Lagenospermum ovoides Williamson
Lagenospermum sinclairi (Kidston)
Lagenospermum smithi (Kidston)
Lagenostoma sinclairi Kidston see Lagenospermum
Lepidocystis fraxiniformis Lesquereux
Lepidocystis vesicularis Lesquereux
Lepidodendron aculeatum Sternberg
Lepidodendron acutum (Presl)
Lepidodendron alabamense White
Lepidodendron clypeatum Lesquereux
Lepidodendron dichotomum Zeiller
Lepidodendron distans Lesquereux
Lepidodendron fusiforme (Gorda)
Lepidodendron gaudryi Renault

Lepidodendron jaraczewski *Zeiller*
Lepidodendron lanceolatum *Lesquereux*
Lepidodendron landsburgi *Gourlie*
Lepidodendron loricatum *Arber* (pars)
Lepidodendron losseni *Weiss*
Lepidodendron lycopodioides *Kidston* (? *Sternberg*)
Lepidodendron obovatum *Sternberg*
Lepidodendron obtusum *Lesquereux*
Lepidodendron ophiurus *Brongniart*
Lepidodendron peachi *Kidston*
Lepidodendron pictoense *Dawson*
Lepidodendron rhombicum (*Presl*)
Lepidodendron rimosum *Sternberg*
Lepidodendron simile *Kidston*
Lepidodendron tijoui *Lesquereux*
Lepidodendron wedekindi *Weiss*
Lepidodendron wortheni *Lesquereux*
Lepidophloios acerosus (*Lindley and Hutton*)
Lepidophloios laricinus *Sternberg*
Lepidophloios macrolepidotus *Goldenberg*
Lepidophloios van ingeni *White*
Lepidophyllum acuminatum *Lesquereux*
Lepidophyllum brevifolium *Lesquereux*
Lepidophyllum campbellianum *Lesquereux*
Lepidophyllum intermedium *Lindley and Hutton*
Lepidophyllum major *Brongniart*
Lepidophyllum morissianum *Lesquereux*
Lepidophyllum triangulare *Zeiller*

Lepidostrobus anthemis (*Koenig*)
Lepidostrobus geinitzi *Schimper*
Lepidostrobus goldenbergi *Schimper*
Lepidostrobus goodei *Jongmans* hastatus *Lesquereux*
Lepidostrobus lanceolatus (*Lindley and Hutton*)
Lepidostrobus moyseyi *Arber*
Lepidostrobus pennsylvanicus *White*
Lepidostrobus spinosus *Kidston*
Lepidostrobus squarrosus *Kidston*
Lepidostrobus variabilis *Lindley and Hutton*
Linopteris brongniarti (*Gutbier*)
Linopteris germari (*Eichwald*)
Linopteris muensteri (*Eichwald*)
Linopteris neuropteroides (*Gutbier*)
Linopteris obliqua (*Bunbury*)
Linopteris sub-brongniarti *Grand 'Eury*
Lonchopteris bricei *Brongniart*
Lonchopteris conjugata *Goepfert*
Lonchopteris eschweiliana *Andrae*
Lonchopteris rugosa *Brongniart*
Lonchopteris silesiaca *Gothan*
Lycopodites ciliatus *Kidston*
Lycopodites gutbieri *Goepfert* see *Selaginellites*
Lycopodites meeki *Lesquereux*
Lycopodites pendulus *Lesquereux*
Lyginodendron landsburgi *Gourlie* see *Lepidodendron*
Macrosphenopteris lindsaeoides *Kidston*
Macrostachya infundibuliformis (*Brongniart*)

Mariopteris acuta (*Brongniart*)
Mariopteris beneckeii *Huth*
Mariopteris coarctata (*Stur*)
Mariopteris daviesii *Kidston*
Mariopteris dersoncourti *Zeiller*
Mariopteris hirta (*Stur*)
Mariopteris jacquoti *Zeiller*
Mariopteris latifolia (*Brongniart*) *Zeiller*
Mariopteris lobatifolia *Kidston*
Mariopteris muricata *Kidston* (? *Schlotheim*)
Mariopteris neglecta *Huth*
Mariopteris nervosa (*Brongniart*)
Mariopteris nobilis (*Achepohl*)
Mariopteris obovata *Kidston*
Mariopteris plumosa *Kidston* *sauveuri* (*Brongniart*)
Mariopteris soubeirani *Zeiller*
Mariopteris sphenopteroides *Lesquereux*
Megalopteris dawsoni *Hartt*
Megalospermum inflatum (*Lesquereux*) *see* *Carpolithus*
Megalospermum wildi (*Kidston*) *see* *Carpolithus*
Megaphyton approximatum *Lindley and Hutton*
Megaphyton elongatum *Kidston*
Megaphyton frondosum *Artis*
Megaphyton giganteum *Goldenberg*
Megaphyton souichi *Zeiller*
Microspermum samaroides (*Carpentier*)
Myriophyllites gracilis (*Artis*)
Myriothea anglica *Kidston*

Myriotheca scaberrima Sellards
Neuropteris blissi Lesquereux
Neuropteris bockingiana (Weiss)
Neuropteris boghdanowiczi (Zalesshy)
Neuropteris callosa Jongnzans and Gothan
Neuropteris camptophylla Jongmans and Gothan
Neuropteris carpentieri Kidston
Neuropteris cisti Brongniart
Neuropteris crenulata Brongniart
Neuropteris decipiens Lesquereux
Neuropteris elrodi Lesquereux
Neuropteris fimbriata Lesquereux
Neuropteris flexuosa Sternberg
Neuropteris gibbosa Lesquereux
Neuropteris gigantea Sternberg
Neuropteris grangeri Kidston (? Brongniart)
Neuropteris heterophylla Brongniart
Neuropteris kosmanni Arber (non Potonie)
Neuropteris macrophylla Brongniart
Neuropteris microphylla Brongniart
Neuropteris missouriensis Lesquereux
Neuropteris nicolausiana Gothan
Neuropteris obliqua (Brongniart) osmundae (Antis)
Neuropteris ovata Hofmann plicata Sternberg
Neuropteris polymorpha Dawson
Neuropteris pseudogigantea Potonie
Neuropteris rarinervis Bunbury
Neuropteris raymondi Zeiller

Neuropteris scheuchzeri *Hofmann*
Neuropteris schlehani *Stur*
Neuropteris schuetzei *Potonid*
Neuropteris smithi *Lesquereux*
Neuropteris stradonitzensis (*Andrae*)
Neuropteris tenuifolia (*Schlotheim*)
Neuropteris thymifolia *Sternberg*
Neuropterocarpus subtunicatus (*Grand 'Eury*)
Neurospermum tunicatum (*Goepfert and Berger*)
Odontopteris alpina (*Presl*)
Odontopteris binervosa *A chepohl*
Odontopteris britannica *Gutbier*
Odontopteris coemansi *Andrae*
Odontopteris conwayi *Lindley and Hutton*
Odontopteris lindleyana *Sternberg*
Odontopteris reichiana *Gutbier*
Oligocarpia brongniarti *Stur*
Oligocarpia gutbieri *Goepfert*
Omphalophloios anglicus (*Sternberg*)
Omphalophloios cyclostigma (*Lesquereux*)
Palaeopteridium reussi (*Ettingshausen*)
Palaeostachya domherri *Zalessky*
Palaeostachya elongata (*Presl*)
Palaeostachya ettingshauseni *Kidston*
Palaeostachya gracillima *Weiss*
Palaeostachya pedunculata *Williamson*
Palaeostachya Paracalamostachys striata *Weiss*
Palaeostachya williamsoniana *Weiss*

Pecopteris arborescens Schlotheim see Asterotheca

Pecopteris armasi Zeiller

Pecopteris bucklandi Brongniart see Eupecopteris bioti Brongniart

Pecopteris defraci Brongniart

Pecopteris hepaticiformis Kidston

Pecopteris integra (Andrae)

Pecopteris oreopteridia Schlotheim see Asterotheca.

Pecopteris pluckeneti Schlotheim see Dicksonites

Pecopteris truncata Rost

Pecopteris unita Brongniart see Ptychocarpus

Pinnularia capillacea Lindley and Hutton

Pinakodendron macconochiei Kidston

Pinakodendron ohmanni Weiss

Poacordaites microstachys (Goldenberg)

Polypterocarpus johnsoni (Kidston)

Polypterocarpus ornatus (Arber)

Polyptospermum ornatum Arber see Polypterocarpus

Psaronius renaulti Williamson

Psygmyphyllum sp.

Ptychocarpus oblongus Kidston see Unatheca

Ptychocarpus unitus (Brongniart)

Radiospermum sinclairi (Kidston) see Lagenospermum

Radstockia sphenopteroides (Kidston)

Renaultia chaerophylloides (Brongniart)

Renaultia crepini (Stur)

Renaultia germanica Potonie

Renaultia gracilis (Brongniart)

Renaultia hemingwayi Kidston

Renaultia rotundifolia (Andrae) sp.

Rhabdocarpus abnormalis Lesquereux.

Rhabdocarpus conicus Renault

Rhabdocarpus insignis Lesquereux

Rhabdocarpus multistriatus Presl see Holcosperma.

Rhabdocarpus oliveri Kidston

Rhabdocarpus tenax Lesquereux

Rhacopteris asplenites (Ettingshausen)

Rhacopteris elegans (Ettingshausen)

Rhacopteris Rhodea eltringhami Kidston

Rhacopteris gutbieri (Ettingshausen)

Rhacopteris sparsa Kidston

Rhacopteris subpetiolata (Potonie)

Samaropsis acuta (Lindley and Hutton)

Samaropsis fluitans (Dawson)

Samaropsis gutbieri (Geinitz)

Samaropsis marginata (Artis)

Samaropsis meachemi (Kidston)

Samaropsis orbicularis Ettingshausen

Samaropsis quadriovata Kidston

Samaropsis zonulata (Lesquereux)

Schizostachys sphenopteroides Kidston see Radstockia

Selaginellites gutbieri (Goepfert)

Senftenbergia ophiodermatica (Goepfert)

Sigillaria alternans (Sternberg)

Sigillaria antoninae Zalessky

Sigillaria barbata Weiss

Sigillaria boblayi Brongniart

Sigillaria brardi Brongniart
Sigillaria camptotaenia (Wood) see Asolanus
Sigillaria candollei Brongniart
Sigillaria catenulata Lindley and Hutton
Sigillaria cordiformis Kidston
Sigillaria cordigera Zeiller
Sigillaria coriacea Kidston
Sigillaria davreuxi Brongniart
Sigillaria decorata Weiss
Sigillaria deutschiana Borngniart
Sigillaria diploderma Corda
Sigillaria discophora (Koenig)
Sigillaria distans Sauveur
Sigillaria doliaris Weiss
Sigillaria elegans (? Sternberg) Brongniart
Sigillaria elongata Brongniart
Sigillaria essenia A chepohl
Sigillaria euxina Zeiller
Sigillaria feistmanteli Geinitz
Sigillaria germanica Weiss
Sigillaria ichthyolepis (Sternberg)
Sigillaria incerta Kidston
Sigillaria laevigata Brongniart
Sigillaria lenticularis Sauveur
Sigillaria lorwayana Dawson
Sigillaria mammillaris Brongniart
Sigillaria maurici Grand 'Eury
Sigillaria macmurtriei Kidston

Sigillaria micaudi Zeiller
Sigillaria nodosa (Bowman)
Sigillaria nudicaulis Boulay
Sigillaria orbicularis Brongniart
Sigillaria ovalis Lesquereux
Sigillaria ovata Sauveur
Sigillaria peltata Sauveur
Sigillaria polleriana Brongniart
Sigillaria polypolca Boulay
Sigillaria principis Weiss
Sigillaria punctirugosa Kidston
Sigillaria Sigillaria pyriformis Brongniart
Sigillaria reniformis Brongniart
Sigillaria reticulata Lesquereux
Sigillaria rhenana Weiss
Sigillaria rhomboidea Brongniart
Sigillaria rhytidolepis Corda
Sigillaria rugosa Brongniart sauli Brongniart
Sigillaria sauveu ri Zeiller
Sigillaria schlotheimi Brongniart
Sigillaria scutellata Brongniart
Sigillaria scutiformis Zalessky
Sigillaria semipulvinata Kidston
Sigillaria sillimanni Brongniart
Sigillaria sol Kidston
Sigillaria spinulosa Germar
Sigillaria strivelensis Kidston
Sigillaria subrotunda Geinitz

Sigillaria tenuis A chepohl
Sigillaria tessellata Brongniart
Sigillaria transversalis Brongniart
Sigillaria trigona (Sternberg)
Sigillaria venosa Brongniart
Sigillaria voltzi Brongniart
Sigillaria vulgaris (Artis)
Sigillaria walchi Sauveur
Sigillariophyllum bicarinatum (Lindley and Hutton)
Sigillariostrobos ciliatus Kidston
Sigillariostrobos nobilis Zeiller
Sigillariostrobos rhombibracteatus Kidston
Sigillariostrobos souichi Zeiller
Sphenophyllostachys sp.
Sphenophyllum amplum Kidston pro sp.
Sphenophyllum angustifolium (Germar)
Sphenophyllum cuneifolium (Sternberg)
Sphenophyllum emarginatum Brongniart
Sphenophyllum longifolium Germar
Sphenophyllum majus Bronn
Sphenophyllum myriophyllum Crepin
Sphenophyllum oblongifolium (Germar and Kaulfuss)
Sphenophyllum papilionaceum Grand 'Eury
Sphenophyllum schlotheimi Brongniart
Sphenophyllum trichomatosum Stur
Sphenopteris alata Brongniart
Sphenopteris amoenaeformis Kidston
Sphenopteris andreana Roehl

Sphenopteris baeumleri *Andrae*
Sphenopteris bella *Stur*
Sphenopteris communis (*Lesquereux*) *see* *Crossotheca*
Sphenopteris corifolia *Kidston*
Sphenopteris cristata *Kidston* (non *Brongniart*) *see* *Mariopteris plumosa*
Sphenopteris dilatata *Lindley and Hutton*
Sphenopteris dixoni *Kidston*
Sphenopteris fentoniana *Kidston*
Sphenopteris flexicaulis *Lesquereux*
Sphenopteris footneri *Marrat*
Sphenopteris formosa *Gutbier*
Sphenopteris geniculata *Germar see*
Sphenopteris Diplotmema furcatum
Sphenopteris goldenbergi *Andrae*
Sphenopteris hoeninghausi
Sphenopteris Brongniart huelseni *Gothan*
Sphenopteris kayi *Arber*
Sphenopteris kilimi *Kidston*
Sphenopteris lanarkiana *Kidston*
Sphenopteris laurenti *Andrae*
Sphenopteris macilenta *Lindley and Hutton*
Sphenopteris marrati *Kidston*
Sphenopteris microcarpa (*Lesquereux*) *see* *S. amoenaeformis* and *Renaultia microcarpa*
Sphenopteris microscopica *Stur*
Sphenopteris multifida *Lindley and Hutton*
Sphenopteris mixta *Schimper*
Sphenopteris neuropteroides (*Boulay*)
Sphenopteris nummularia *Gutbier*

Sphenopteris obtusiloba Brongniart
Sphenopteris pecopteroides Kidston
Sphenopteris pulcherrima Crepin
Sphenopteris quadriloba Kidston
Sphenopteris Sphenopteris sauveuri Crepin
Sphenopteris Sphenopteris (? Renaultia) schatzlarensis (Stur)
Sphenopteris schillingsi Andrae
Sphenopteris schuetzei Kidston (non Stur) see Renaultia sp.
Sphenopteris schwerini Stur
Sphenopteris sewardi Kidston
Sphenopteris souichi Zeiller
Sphenopteris spiniformis Kidston
Sphenopteris spinosa Goepfert
Sphenopteris spinulosa (Stur)
Sphenopteris stipulata (Gutbier)
Sphenopteris stonehousei Kidston
Sphenopteris striata Gothan
Sphenopteris tenuifolia Kidston (non Brongniart) see S. sewardi
Sphenopteris tenuissima Presl
Sphenopteris tracyana Lesqteraux
Sphenopteris trifoliolata (Artis)
Sphenopteris trigonophylla Behrend
Sphenopteris truncata Kidston
Sphenopteris vernoni Kidston walteri Stur
Sphenopteris westphalica (Stur)
Sphenopteris woodwardi Kidston
Sphyropteris frankiana Gothan
Sphyropteris obliqua (Marrat)

Sphyropteris tomentosa *Stur* Spiropteris sp.
Sporocystis planus *Lesquereux*
Stachannularia calathifera *Weiss*
Stachannularia northumbriana *Kidston* see *Calamostachys*
Stigmaria anglica (*Sternberg*) see *Omphalophloios*
Stigmaria ficoides (*Sternberg*)
Stigmaria minuta *Goepfert* pro var.
Stigmaria reticulata *Goepfert* pro var.
Stigmariopsis anglica *Kidston*
Stigmariopsis rimosa *Goldenberg*
Telangium potieri (*Zeiller*)
Trigonocarpus adamsi *Lesquereux*
Trigonocarpus candolleanus *Unger*
Trigonocarpus noeggerathi (*Sternberg*)
Trigonocarpus oblongus *Lindley and Hutton*
Trigonocarpus ovatus *Lindley and Hutton*
Trigonocarpus parkinsoni *Brongniart*
Trigonocarpus pusillus *Brongniart*
Trigonocarpus schultzianus *Goepfert and Berger*
Unatheca oblonga *Kidson*
Urnatopteris herbacea (*Boulay*)
Urnatopteris tenella (*Brongniart*)
Volkmannia gracilis *Sternberg*
Whittleseya cordovae *White*
Whittleseya elegans *Newberry*
Whittleseya fertilis *Kidston*
Whittleseya integrifolia *Lesquereux*
Whittleseya microphylla *Lesquereux*

Zeilleria avoldensis (Stur)

Zeilleria delicatula (Sternberg)

Zeilleria frenzli (Stur)

Zeilleria hymenophylloides Kidston

Zeilleria schauberg-lippeana (Stur)

Permian

Anachoropteris decaisnei Renault

Anachoropteris pulchra Corda

Anomorrhoea fischeri Eichwald

Arthropitys bistriata (Cotta)

Arthropitys communis (Binney)

Arthropitys lineata (Renault)

Arthropitys medullata (Renault)

Arthropitys subcommunis Grand 'Eury

Bathypteris rhomboidea (Kutorga)

Botryopteris forensis Renault

Calamodendron congenium Grand 'Eury

Calamodendron striatum Brongniart

Callipteris conferta (Sternberg)

Codonospermum anomalum Brongniart

Colpoxylon aeduense Brongniart

Dicranophyllum gallicum Grand 'Eury

Diplolabis forensis Renault

Medullosa stellata Cotta

Myeloxylon elegans (Cotta)

Myeloxylonrathatum (Renault)

Neuropteris cordata Brongniart

Odontopteris obtusa Brongniart

Odontopteris osmundaeformis Schlotheim

Odontopteris subcrenulata Zeiller

Pachytesta gigantea (Grand 'Eury)

Polylophospermum sp.

Poroxylon sp.

Psaronius bibractensis Renault

Psaronius giganteus Corda

Psaronius infarctus Unger

Ptychoxylon levyi Renault

Rhabdocarpus rostratus Grand 'Eury

Schizopteris pinnata Grand 'Eury

Scolecopteris elegans Zenker

Sigillaria sp.

Sphenophyllum thoni Mahr

Stephanospermum achenioides Brongniart

Zygopteris lacatti Renault

Triassic

Anomozamites minor (Brongniart)

Camptopteris spiralis Nathorst

Clathropteris meniscoides Brongniart

Czeicanowskia rigida Heer

Dictyophyllum exile (Brauns)

Dictyophyllum niissoni Brongniart

Lepidopteris of tonis (Goepl)ert)

Neocalamites hoerensis (Schimper)

Nilssonina polymorpha Schenk

Podozamites distans (Presl)

Rhizomopteris schenki Nathorst

Stachyotaxus septentrionalis *Agardh*

Thaumatopteris schenki *Nathorst*

Jurassic

Cedroxylon sp.

Ginkgoites sp.

Nilssonia brevis *Brongniart*

Rhizomopteris cruciata *Nathorst*

Sagenopteris nilssoniana (*Brongniart*)

Cretaceous

Cylindrites spongioides *Goeppert*

Nathorstia gracilis *Richter*

Tempskya rossica *Kidston and Gwynne-Vaughan*

Tertiary

Osmundites spetsbergensis (*Nathorst*)

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