



Hunt Institute for Botanical Documentation
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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

14a-15

Coordinating Committee
of the
UNITED STATES DEPARTMENT OF AGRICULTURE, TENNESSEE VALLEY AUTHORITY,
and VALLEY STATES AGRICULTURAL COLLEGES.

Washington, DC. 15 Oct. 1941.

Memorandum for Mr. R. Kent Beattie
Forest Pathology, Forest Service.

Dear Mr. Beattie:

Some time ago you asked me for a check list of American
willow species. I am sending you now a carbon copy of the list
in which the species and varieties are arranged first by the sections
of the genus and then alphabetically in each section.

When we get time we hope to prepare an alphabetical check list
but that cannot be done now.

Trusting this may be of some value to you, I am

Cordially yours,

Carleton R. Ball,
Executive Secretary

Sections or Other Groups.

Pentandrae Dumortier

Bonplandianae Schneider

Triandrae Dumortier

Nigrae Loudon

Longifoliae Andersson

Cordatae Barratt

Lasiolopae

Mexicanae Schneider

Balsamiferae Schneider

Wolffianae Schneider

Commutatatae

Chrysantheseae Koch

Reticulatae Fries

Roseae Andersson

Herbaceae Borrer

Ovalifoliae Rydberg

~~Sinenseae~~ Glaucac Fries

Argenteae

Phyllicifoliae Dumortier

Candidae Schneider

Sitchenses Bebb

Brewerianae Schneider

Discolores Barratt

Fulvae Barratt

PENTANDRAE or LUCIDAE

caudata (Nutt.) Heller
 bryantiana Ball & Bracelin
 parvifolia Ball

lasiandra Benth
 abramsi Ball
 lancifolia (And.) Bebb
 macrophylla (And.) Ball
 forma pubescens Ball
 unnamed

lucida Muhl.
 angustifolia Andersson
 intensa Fernald
 hybrids

serissima (Bailey) Fernald
 (ovate leaf)
 hirtisquama (And.)

BONPLANDIANAE

Bonplandiana Kunth
 pallida Andersson
 tουμεyi Schneider

harbisonii Schneider

jaliscana Jones

laevigata Bebb
 angustifolia (?) Bebb
 araquipa (Jepson) Ball
 congesta Bebb
 hybrids

longipes Shuttleworth
 venulosa (And.) Schn.
 wardii (Bebb) Schn.
 hybrids

TRIANDRAE

amygdaloides Andersson
 f. pilosiusculua Schn.
 hybrids

wrightii Andersson

NIGRAE

gooddingii Ball
 vallicola (Dudley) Ball
 hybrids

humboldtiana Willd.

humboldtiana Willd.
martiana (Leybold) Ahd.
stipulacea (Mart. & Gal.) Schn.

nigra Marshall
altissima Sargent
lindheimeri Schneider
hybrids

LONGIFOLIAE

argophylla Nuttall

exigua Nuttall
luteosericea (Rydb.) Schn.
nevadensis (Wats.) Schn.
stenophylla (Rydb.) Schn.
virens (Rydb.) Schn.
(near stenophylla SW)

fluviatilis Nuttall

hindisiana Benthem
leucodendroides (Rowlee) Ball
parishiana (Rowlee) Ball

interior Rowlee
angustissima (And.)
pedicellata (And.) Ball
wheeleri (Rowlee) Schn.
(narrow-leaf, eastern)

LONGIFOLIAE

melanopsis Nuttall
bolanderiana (Rowlee) Schn.
gracilipes Ball
tenerrima (Hend.) Ball

parkeiana Ball

sessilifolia Nuttall
hybrids

taxifolia HBK
microphylla (Schl. & Gal.) Schn.

CORDATAE

cordata Muhl.
angustata (Ph.) Andersson
(Torreyanus)
forms (descr.)
hybrids

farrae Ball
microserrulata Ball
long-leafed

lugulifolia Ball

lutea Nuttall

famelica Ball

platyphylla Ball

watsoni (Bebb) Jepson

pubescent capsules

hybrids

mackenziana (Hooker) Barratt

macrogamma Ball

(green-leaved)

massachusettsensis Bebb

monochroma Ball

(pubescent-leaved)

myrtillofolia Andersson

hybrids

brachypoda Fernald

"pseudomyrsinites"

prolixa Andersson

pseudo-cordata (And.) Rydb.

aequalis Andersson

cordata Andersson

turneri Raup

LASIOLEPIS

irrorata Andersson

lasiolepis Benthem

hybrids and misc.

bakeri (v. Seem.) Ball

bigelovii (Torrey) Bebb

hybrids

(boissaeana Nelson)

sandbergii (Rydberg) Ball

(narrow-leaf, southern)

(short-blunt leaf, northern)

tracyi Ball

near tracyi

hybrid

MEXICANAE

hartwegii Benthem

mexicana v. Seemen

schaffnerii (?) Schneider

BALSAMIFERAE

balsamifera

walpolei Coville & Ball
(var. obovata)

WOLFIANAE

wolfii Bebb
idahoensis Ball

COMMUTATAE

adenophylla Hooker

barclayi Andersson
angustifolia Andersson
hebecarpa And.
rotundifolia Andersson
hybrids

chamissonis Andersson

commutata Bebb
denudata Bebb
puberula Bebb
sericea Bebb

eastwoodiae Cockerell

glaucophylla Bebb
albovestita ~~Bebb~~ Ball
angustifolia ~~Bebb~~ Ball
brevifolia Bebb
latifolia Bebb

glaucophylloides Fernald

kobayashii Kimura

monticola Bebb

pseudo-monticola Ball
hybrids
padophylla (Rydb.) Ball

CHRYSANTHAE or LANATAE

alaxensis (And.) Cov.
longistylis (Rydb.) Schn.
obovalifolia Ball

amplifolia Coville

barrattiana Hooker
angustifolia And.

calciicola Fernald & Wiegand
nicholsiana Pol.

Am. without
species (6)

hookeriana Barratt
laurifolia Henry
tomentosa Henry

laurentiana Fernald

piperi Bebb

richardsonii Barratt
McKeendii Polunin

silicifolia Raup

tweedyi (Bebb) Ball

albertana Rowlee - barrattiana albertana -- barrattiana angustifolia And.
macouniana (Bebb) Rowlee - calciicola Fern. & Wieg.

RETICULATAE

nivalis Hooker

lasioclepis Fernald

reticulata L.
gigantifolia Ball
subrotunda Seringe

saximontana Rydb.

vestitax Pursh
erecta Andersson

aemulans von Seem. -- saximontana Rydb.
orbicularis Andersson -- reticulata subrotunda Ser.

ROSEAE

athabascensis Raup

fallax Raup

fuscescens Andersson
reducta Ball

hebecarpa Fernald

pedicellaris Pursh
hypoglauca Fernald
temescens Fernald

myrtilloides L. (Am. authors) -- pedicellaris Ph.

HERBACEAE or RETUSAE

cascadensis Cockerell
 (pilose leaves)
 (short blunt)

dodgeana Rydb.

herbacea L.

peasei Fernald

phlebophylla Andersson
 hybrid

polaris Wahlenberg
 selwynensis Raup

pseudoploaris Floderus

rotundifolia Trautvetter

setchelliana Ball

uva-ursi Pursh
 broad leaf
 hairy leaf

cutleri Tuckerman -- uva-ursi Pursh
 leiocarpa (Cham.) Coville -- rotundifolia Trautv.
 paleoneura Rydberg -- phlebophylla Andersson
 tenera Andersson (non) -- cascadensis Cockerell

OVALIFOLIAE or ARCTICAE

anglorum Chamisso
 antiplasta Schn.
 araioclada Schn.
 pubescent
 kophophylla Schn.

arctica Pallas
 diplodictya (Trautv.)
 oboordata (And.) Rydb.
 subcordata (And.) Schn.

arctophila Cockerell
 lejocarpa Schn.

hudsoniana onensis Schn.

OVALIFOLIAE or ARCTICAE (cont.)

ovalifolia Trautvetter
camdensis Schn.
cyclophylla (Rydb.) Ball
pubescens Andersson
subarctica Lundstr.

petrophila Rydb.
caespitosa (Kenn.) Schn.

stolonifera Coville
"dwarf, "uva-ursi"

arctica R. Br. -- anglorum Chamisso
glacialis Andersson -- ovalifolia pubescens Andersson
groenlandica (And.) Lundström - arctophila Cockerell
cyclophila Rydb. -- ovalifolia cyclophylla (Rydb. Ball

GLAUCAE

brachycarpa Nuttall
antimima (Schn.) Raup
glabelllicarpa Schn.
"glabelliphylla"
maxiae Ball
psammophila Raup
ednae Ball
hybrid

chlorolepis Fernald

cordifolia Ph. var. typica Fern.
forma atra (Rydb.) Schn.
callicarpaea (Trautv.) Fern.
eucycla Fernald
intonga Fernald
macounii (Rydb.) Schn.
tonsa Fernald.

desertorum Richardson

fullertonensis Schn.

glaucia Linne
aliceae Ball
glabrescens (And.) Schn.
stenolepis (Flod.) Polunin
hybrid

(glaucops Andersson)

pseudolapponum v. Seem.
(narrow oblanc. leaf)
(broad or short leaf)
glabrous capsule
(unclassified as to leaf)
(misc.: Arctic 4, hybrid 1)

lingulata Andersson

maccalliana Rowlee

niphoclada Rydb.

orestera Schn.

tyrrellii Raup

ARGENTEA

arbusculoides Andersson

glabra Andersson

argyrocarpa Andersson

bella Piper

coactilis Fernald

drummondiana Barratt

narrow-leaf var.

forma

lemmoni Bebb

n. sp. ? (Mt. Lassen)

n. sp. ? (pruinosa)

pellita Andersson

hybrids

petiolaris J. E. Smith

hybrids

gracilis (rosmarinoides) And.

sericea Marshall

hybrids

appr. petiolaris

form

subcoerulea Piper

2 hybrids

subsericea Andersson

PHYLICIFOLIAE

monica Bebb (Calif.)

pedunculata Fernald

pennata Ball

planifolia Pursh

nelsoni Ball

pulchra Andersson

hybrid

looffiae Ball

Am. cult.
sp. 1-5 (10)

pulchra Andersson
 hybrid
 looffiae Ball
 yukonensis Schn.

CANDIDAE

candida Fluegge
 hybrids
 denudata Andersson

cryptodonta Fernald

SITCHENSES

coulteri Andersson

jepsoni Schn.

sitchensis Sanson
 hybrids
 denudata~~x~~ Andersson

BREWERIANAE

breweri Bebb

delnortensis Schneider

DISCOLORES

discolor Muhlenberg
 hybrids
ericephala (Michx.)
 latifolia Andersson
 overi Ball
 prinoides (Pursh) And.

humilis Marshall
 hybrids
 keweenawensis Farwell
 rigidiuscula (And.) R. & F.

tristis Aiton

oxylepis Schn.

paradoxa Kunth.
 ajuscana Schn.

rowleei Schn.
 cana (Rowlee) Schn.

scouleriana Barratt
 coetanae Ball
 crassijulis (And.) Schn.
 flavescens (Nutt.) Henry
 f. polkila Schn.
 small-leaved

scouletiana Barratt
coetanae Ball
crassijulis (And.) Schn.
flavescens (Nutt.) Henry
f. polkila Schn.
small-leaved
thompsoni Ball
narrow-toothed-leaf

FULVAE (ROSTRATAE)

bebbiana Sargent
hybrids
capreifolia Fernald
luxurians Fernald
perrostrata (Rydb.) Schn.
projecta (Fernald) Schn.

geyeriana Andersson
hybrids
argentea Bebb
melaina Henry