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THE FILICAL FLORA OF MINNESOTA.

BY W. H. LEONARD, M. D.

I have the pleasure of reporting the following list of Ferns, with accompanying specimens, as observed by Miss E. W. Cathcart, of St. Paul. There are 30 species and 3 varieties. Dr. I. A. Lapham's list, already published in the Minnesota University reports, contains twenty-three. There are more species of this family yet to be observed, and through the commendable perseverance of Miss Cathcart, the Academy may expect at an early day a complete and exhaustive report. (L) signifies that the species was observed by Dr. Lapham, and (C) by Miss Cathcart.

SPORIFERÆ.

(Plants bearing spores, with no true embryos, and no cotyledons.)

CLASS—*Angiosporæ*. (*Spores inclosed*.)

ORDER—FILICES. THE FERNS.

POLYPODIUM,	<i>Linnæus.</i>	
<i>vulgare</i> ,	<i>Linn.</i>	(L) (C)
ADIANATUM,	<i>Linnæus.</i>	Maiden hair.
<i>pedatum</i> ,	<i>Linn.</i>	(L) (C)
PTERIS,	<i>Linnæus.</i>	Brake.
<i>aquilina</i> ,	<i>Linn.</i>	(L) (C)
CHEILANTHES,	<i>Swartz.</i>	Lip Fern.
<i>lanuginosa</i> ,	<i>Nutt.</i>	(L) (C)
PELLÆA,	<i>Link.</i>	Cliff Brake.
<i>gracilis</i> ,	<i>Hock.</i>	(C)
<i>atropurpurea</i> ,	<i>Link.</i>	(C)

ASPLENIUM,	<i>Linnaeus.</i>	Spleenwort
• thelypteroides,	<i>Michx.</i>	(L)
Filix-fœmina,	<i>Bernh.</i>	(L) (C)
COMPTOSORUS,	<i>Link.</i>	Walking Leaf.
rhizophyllus,	<i>Link.</i>	(L) (C)
PHEGOPTERIS,	<i>Fee.</i>	Beech Fern.
polypodioides,	<i>Fee.</i>	(L) (C)
hexagonoptera,	<i>Fee.</i>	(C)
dryopteris,	<i>Fee.</i>	(C)
Var—calcareæ.		(C)
ASPIDIUM,	<i>Swartz.</i>	Shield F'n—Wood F'n.
thelypteris,	<i>Swartz.</i>	(L) (C)
fragrans,	<i>Swartz.</i>	(L) (C)
spinulosum,	<i>Swartz.</i>	(L) (C)
cristatum,	<i>Swartz.</i>	(L) (C)
acrostichoides,	<i>Swartz.</i>	(L) (C)
CYSTOPTERIS,	<i>Bernhardt.</i>	Bladder Fern.
bulbifera,	<i>Bernh.</i>	(L) (C)
fragilis,	<i>Bernh.</i>	(C)
Var—dentata,	<i>Hoot.</i>	(C)
STRUTHIOPTERIS,	<i>Willd.</i>	Ostrich Fern.
Germanica,	<i>Willd.</i>	(L) (C)
ONOCLEA,	<i>Linnaeus.</i>	Sensitive Fern.
sensibilis,	<i>Linn.</i>	(C)
Var—obtusilobata,	<i>Torr.</i>	(C)
WOODSIA,	<i>R. Brown.</i>	Woodsia.
obtusa,	<i>Torr.</i>	(C)
Ilvensis,	<i>R. Brown.</i>	(L) (C)
scopulina.		(C)
DICKSONIA,	<i>L. Her.</i>	Dicksonia.
punctilobata,	<i>Kum.</i>	(C)
OSMUNDA,	<i>Linnaeus.</i>	Flowering Fern.
regalis,	<i>Linn.</i>	(C)
Claytonia,	<i>Linn.</i>	(L) (C)
cinnamonea,	<i>Linn.</i>	(L) (C) Cinnamon Fern.
BOTRYCHIUM,	<i>Swartz.</i>	Moonwort.
simplex,	<i>Hitchcock.</i>	(C)
Virginicum,	<i>Swartz.</i>	(L) (C)