

THE FRIESNER HERBARIUM (BUT) OF BUTLER UNIVERSITY

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Dolan, Rebecca W. (Department of Biological Sciences and Holcomb Research Institute, Butler University, 4600 Sunset Avenue, Indianapolis, IN 46208). Friesner Herbarium (BUT) of Butler University. *Brittonia* 43: 54–56. 1991.—The Friesner Herbarium (BUT) of Butler University is a collection of over 100,000 specimens built from the personal herbarium of Ray C. Friesner. He and other botanists at Butler amassed one of the largest and most complete collections of Indiana plants. Active exchange from the 1920's through the 1940's increased the holdings of plants from other states. Although the collection does not contain many type specimens, it is rich in vouchers from floristic and ecological studies conducted in the first half of the 20th century and published in the scientific journal, *Butler University Botanical Studies*.

The Friesner Herbarium (BUT) is a collection of nearly 100,00 specimens of vascular and non-vascular plants housed at Butler University in Indianapolis, Indiana. Butler is a private university with an enrollment of 2500 full-time students. The Herbarium grew from the personal collection of Ray Friesner (1894–1952), the first botanist on the staff and a member of the faculty from 1919 to 1952. Friesner produced monographs on *Solidago* (Asteraceae) but was principally known for his skills as a field botanist, teacher, and administrator. He was Department Chairman and Dean of the College of Liberal Arts and Sciences at the time of his death. Friesner was a prolific collector, who maintained an active exchange program. Over 25,000 sheets collected by Friesner are at BUT, as are his well-organized field notebooks. He, along with Stanley Cain, began the scientific journal, *Butler University Botanical Studies*, which from 1929 to 1964 published original research performed mainly in Indiana (back issues are still available). Friesner compiled annual supplements to Charles Deam's (1940) *Flora of Indiana* documenting new collections and county records for Indiana.

The Botany Department attracted many notable faculty members and students. Distinguished faculty included John E. Potzger, a forest ecologist and palynologist, Willard Nelson Clute, co-founder of the American Fern Society, Marion T. Hall, former Director of the Morton Arboretum, Stanley A. Cain, C. Mervin Palmer, Rex Webster, and John Pelton. Some of the former undergraduate and master's students who have made active contributions to the fields of botany and ecology include D. W. Billings, Fay Kenoyer Daily, William A. Daily, Rexford Daubenmire, Francis Hueber, Frank McCormick, Scott McCoy, Robert Petty, Potzger, Helene Starcs, and Theodore Sperry. Cain, Daubenmire, Potzger and Billings are past presidents of the Ecological Society of America.

The strength of the Friesner Herbarium lies not in type specimens but in coverage of the flora of the Ohio River Valley region. A recently completed inventory of plants of Indiana in the collection showed 90% of the known flora of the state represented by an average of over 12 sheets per taxon. Friesner's extensive exchange activity in the 1930's and 1940's added many specimens from outside the state of Indiana. A partial list of such accessions is presented in Appendix I.

Some accession books for the Herbarium were lost in a move to a new building twenty years ago. Collections known to be of particular interest include a complete collection of the ferns of Jamaica by Clute in the 1890's, Friesner's *Solidago*s (including types), Potzger's collections from Mackinac Island and adjacent islands in Michigan (an early collection from a now developed area), Potzger's extensive collection of grasses and sedges, and duplicates from the Deam herbarium. The collections of B. F. Bush from Missouri may contain types. The original herbarium

of F. Reed was destroyed in a flood and his specimens provide a record of the native flora of an area of southern California that has been largely developed.

Non-vascular collections of interest include charophytes from the herbarium of Fay Kenoyer Daily (world-wide distribution, including types and rare species), blue-green algae collected by William Daily, algae of Indiana collected by C. M. Palmer, mosses of the Smoky Mountains of Tennessee collected by Aaron J. Sharp (original set lost in a fire), mosses collected by Betty Lou Wilson Higinbotham, and myxomycetes collected by William Daily and G. W. Martin.

In addition, BUT has specimens of South and Central American plants identified only to genus, from Maine where Friesner had a summer home, and from the northern midwest and Canada collected by Potzger on his bog-boring trips. BUT has recently received duplicates from the New York Botanical Garden (NY) of Indiana plants originally housed at DePauw University (DPU) and Wabash College (WAB).

Acknowledgments

Willard Yates, John Pelton, Nancy Andrew, William Daily, and Fay K. Daily provided helpful comments on the manuscript. Curatorial activities in the Friesner Herbarium are supported by a Program Grant from Holcomb Research Institute, Butler University.

Literature Cited

Deam, C. C. 1940. Flora of Indiana. Department of Conservation, Division of Forestry, Indianapolis, IN.

APPENDIX I

INDEX TO COLLECTORS WHOSE VASCULAR PLANT COLLECTIONS WERE RECEIVED AS EXCHANGE BY THE FRIESNER HERBARIUM OF BUTLER UNIVERSITY (BUT)

- The number in parentheses indicates the number of sheets.
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| ACOSTA-SOLIS, M.; Ecuador (444) | DROUET, FRANCIS; Missouri, California (545) |
| ALBERTSON, F. W.; Kansas (326) | DUNKLE, M. B.; California (155) |
| ANDERSON, W. A.; Iowa (149) | DWYER, JOHN D.; New York, New Jersey (143) |
| ARNOLD, LILLIAN E.; Florida (168) | EWART, A. J.; Australia (270) |
| BEHR, OTTO; Germany (749) | FULTS, JESS; Nebraska, Iowa (334) |
| BENNETT, F. L.; South Dakota, Wyoming (381) | GARRETT, A. O.; Utah (446) |
| BLAIN, W. L.; Colorado, Oklahoma (576) | GATES, F. C.; Kansas (529) |
| BOONE, W. J.; Idaho (689) | GILBERT, FRANK A.; West Virginia (526) |
| BREITUNG, AUGUST J.; Saskatchewan, Canada (248) | GILKEY, HELEN M.; Oregon (457) |
| BRIGHT, JOHN; Pennsylvania (442) | GLEASON, H. A.; Northeastern plants. Michigan (643) |
| BUSH, B. F.; Missouri (ca. 200) | GOODMAN, GEORGE J.; Iowa (379) |
| CAIN, ROY F.; Ontario, Canada (566) | HAPEMAN; Nebraska (354) |
| CONSTANCE, LINCOLN; California, Washington, Idaho, Oregon (697) | HENDERSON, LENA B.; Virginia (299) |
| COOKE, WILLIAM BRIDGE; Ohio, western states (140) | HERSEY, A. L.; New Mexico (121) |
| CLOKEY, IRA W.; California, Nevada (314) | JENNINGS, O. E.; Pennsylvania (478) |
| CORE, EARL L.; West Virginia, Virginia (946) | JOHENSEN, DONALD; California (197) |
| CUNCHEL, HUGO; Chile (200) | KINSEY, MARTHA HILAND; California (587) |
| CLASTERSKY [KLASTERSKY?], IVAN; Czechoslovakia (746) | KRUKOFF, B. A.; Central and South America (2,169) |
| DAUBENMIRE, R. F.; Colorado (137) | LALLMAN, ANNA; Nebraska (338) |
| DEMAREE, DELZIE; Oklahoma, California, Ohio (1285) | LAWRENCE, JULIA R.; New York (144) |
| | LEEDY, JOHN W.; South Dakota (262) |
| | LEHENBAUR, P. A., Nevada (477) |
| | LOUGHRIDGE, GASPAR A.; Colorado, New Jersey (599) |
| | MAGUIRE, BASSET; Utah, Montana (448) |
| | McFARLAND, FRANK T.; Kentucky (319) |

- MORRISON, JOHN L.; Nebraska (448)
 MUNZ, P. A.; California (389)
 NELSON, AVEN; Wyoming, Colorado, Oklahoma (477)
 OOSTING, HENRY J.; North Carolina, Florida (868)
 OPPERMAN, P.; Soviet Union (145)
 PAWLOWSKI, B.; Poland (650)
 PURER, EDITH A.; Southern California, Washington (631)
 QUIBELL, CHARLES; California (90)
- REED, FRED M.; Southern California (275)
 RHODES, W. H.; Indiana, Tennessee (682)
 ROSE, LEWIS S.; California (932)
 SCALLERT, P. O.; North Carolina, Arizona (973)
 SEYMOUR, F. C.; Northeastern U.S. (ca 500)
 STANDLEY, PAUL C.; Illinois (566)
 STRATTON, R.; Oklahoma (565)
 SZAFER, WLADYSLAV; Poland (650)
 THARP, B. C.; Texas (350)
 WIEGAND, K. M.; New York, Washington (162)
 ZOBEL, HENRIETTA; Colorado (758)

APPENDIX II ADDITIONAL SOURCES OF EXCHANGE SPECIMENS

- CARLTON, COLLEGE, Northfield, Minnesota (404)
 CLARK UNIVERSITY, Worcester, Massachusetts (132)
 NATURHISTORISKA RIKSMUSEET, Stockholm, Sweden (139)
- UNIVERSITY OF NOTRE DAME, South Bend, Indiana (173)
 UNIVERSITY OF GEORGIA, Athens, Georgia (515)