

Annual Report September 1, 2010- August 31, 2011
Ted R. Bradley Herbarium (GMUF)
George Mason University

Note from Director: This report covers my sixth year as director of the Ted R. Bradley Herbarium.

STATISTICS

Loans Out, made after September 1, 2010 – (2)

- University of Richmond (UVR), 40 sheets *Atriplex* spp. total. (January 10, 2011).
- Missouri Botanical Garden (MO), 28 sheets *Rosa carolina* and 3 sheets of *Rosa virginiana*. (February 15, 2011).

Loans Outstanding, made prior to September 1, 2010 – (5)

- MU, Willard Sherman Turrell Herbarium, Miami University, Ohio. Loans of Bahamian vascular plants to support development of a new Flora of the Bahamas:
 - 1) 123 sheets pteridophytes (September 29, 2005).
 - 2) 31 sheets of Commelinaceae and Liliaceae (April 4, 2006).
 - 3) 10 sheets Agavaceae, Smilacaceae (June 19, 2006).
- University of North Carolina (UNC), 34 sheets *Philadelphus* (April 1, 2007).
- North Carolina State University (NCSC) 11 sheets *Canavalia* (1), *Parkinsonia* (5), *Styphnolobium* (syn. *Sophora affinis*, *S. japonica*) (5) (April 24, 2008).
- University of North Carolina (UNC), 25 sheets of *Taenidia* and 4 sheets of *Pseudotaenidia* (May 9, 2008).
- Virginia Commonwealth University (Virginia Natural Heritage Program), 89 sheets *Stachys* spp. (September 5, 2008).

Loans Returned to GMUF – (1)

- Clemson University, 157 sheets total. 47 sheets *Cornus ammomum*, 1 sheet *Cornus asperifolia*, 21 sheets *Cornus foemina*, 33 sheets *Cornus florida*, 31 sheets *Cercis canadensis*, 24 sheets *Sanguinaria canadensis*. (June 30, 2010).

Loans In, Maintained at GMUF – (1)

- Missouri Botanical Gardens, 9 sheets of *Commiphora pedunculata* (August 31, 2011)

Loans In, Returned to Institutions – (0)

Exchanges Out – (0)

Exchanges In – (0)

Gifts In or New Accessions – (1)

- 104 mounted specimens from Crow's Nest State Nature Preserve, Stafford Co. Virginia.

Gifts Out - (6)

21 unmounted specimens of Namibian *Commiphora* spp. to NY.

39 unmounted specimens of Namibian *Commiphora* spp. to MOBOT.
17 unmounted specimens of E. US. *Kosteletzkya pentacarpos* to US
8 unmounted specimens of E. US. *Kosteletzkya pentacarpos* to DOV
1 unmounted specimens of E. US. *Kosteletzkya pentacarpos* to MO
2 unmounted specimens of E. US. *Kosteletzkya pentacarpos* to NY

Requests for Information (1):

Ellis Squires, *Hexalectris spicata* (April 4, 2011)

Herbarium Visits from outside University – (3)

Bryan Landacre – USGS, Pollen flora of the Potomac River Valley sampling
Rod Simmons – City of Alexandria, local flora verification
Lisa Williams – Northern Virginia Community College

Herbarium Visits from inside University – (5)

Herbarium Volunteers: (2) Jamie Minneart-Grote, Brittany North

Classes using collections – (2)

- BIOL 345 – Plant Ecology, Fall semester; BIOL 344 – Plant Diversity and Evolution, EVPP 693 – Adv. Plant Systematics.

MANAGEMENT HIGHLIGHTS

Raising external visibility of the collections:

October 24, 2010. Volunteer, “Ask-a-Botanist” US Botanical Garden Booth. USA National Science Festival. Washington, D.C.

Library:

Copies of recent graduate theses and projects that have used herbarium resources were added:
Dee, Suzanne. 2011. Soil physicochemical properties determine plant community development of mitigation wetlands created in the Virginia Piedmont. Master's thesis. Environmental Science and Policy, George Mason University.

Smith, Matthew. 2011. An annotated checklist of the vascular plants of Crow’s Nest State Nature Preserve, Stafford County, Virginia. Master's Project. Environmental Science and Policy, George Mason University.

Alexander, Sara. 2010. A subspecific revision of North American saltmarsh mallow, *Kosteletzkya pentacarpos* (L.) Ledeb. Master's thesis. Environmental Science and Policy, George Mason University.

Baird, Kristen. 2009. The phylogenetics and historical biogeography of *Leibnitzia* Cass. (Asteraceae: Mutisieae): American species in an Asian genus. Master's Project. Environmental Science and Policy, George Mason University.

Progress on Databasing Collections:

In total, 10681 herbarium sheets have been entered into the SPECIFY database as of August 31, 2011. During the 2010-2011 academic year, 1481 sheets were entered by student volunteers.