

NATIVE PLANT SOCIETY OF NEW MEXICO

2013 WORKSHOP SCHEDULE

SEDGE IDENTIFICATION

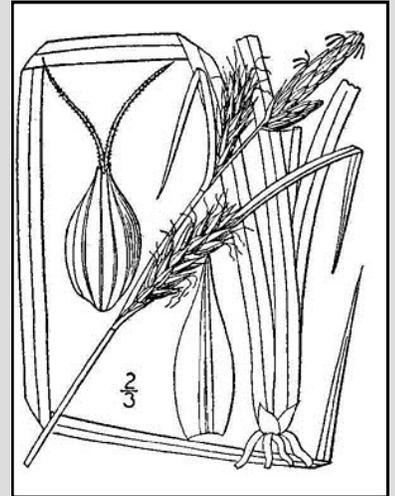
JEMEZ SPRINGS, JULY 24-26; Valles Caldera Science and Education Center

BILL NORRIS

The Sedge Family of plants (Cyperaceae) is represented in New Mexico by 15 genera and about 156 species. More than half the species are in the genus *Carex*, which is the largest plant genus in the state. Sedges occur in all but our driest ecological communities and are especially important in wetlands. As a group, sedges create some of the greatest challenges for identification. Their small flowers and fruits require very careful field and lab study to properly identify plants to species. In addition, they are also difficult to identify by vegetative characteristics alone. This workshop will 1) provide an overview of the morphological terminology used in the Sedge Family, 2) distinguish the characteristics of the most common genera, then 3) focus upon species identification in the genus *Carex* by using keys on sample specimens in the lab and living plants in the field.

Workshop instructor is sedge expert Dr. Bill Norris, Professor of Ecology and Evolutionary Biology, Western New Mexico University, who recently published a key to the genus *Carex* in *Flora Neomexicana III* (Allred and Ivey 2012) and coauthored a guide to the identification of sedges in the genus *Carex* (Iowa species).

This workshop will begin Wednesday afternoon to learn terminology and Cyperaceae genera. Thursday will be entirely lab exercises using keys to identify species in the genus *Carex* and all day Friday is a field trip to find and identify sedges in the beautiful Valles Caldera National Preserve.



Accommodations are provided by the Valles Caldera Science and Education Center in Jemez Springs facility, which has 25 bedrooms w/ full baths; institutional dining hall and kitchen; 3 living room areas; large classroom and meeting room; teaching laboratory, and a quarter mile of the Jemez River on the property for private trout fishing.

Registration fee includes 2 nights lodging and 6 meals. Bedrooms have two single beds and can be single or double occupancy.

NPSNM Members: \$225 double occupancy; \$295 single occupancy

Nonmembers: \$250 double; \$320 single (includes 1 year NPSNM membership)

THE ART OF WILDFLOWER PHOTOGRAPHY

SANTA FE, AUGUST 24-25; Saint John's College

LISA MANDELKERN and BOB SIVINSKI



This workshop is an introduction to plant photography with digital cameras and editing digital images with Adobe Lightroom or PhotoShop Elements (both are inexpensive programs). Learn to how to make good photos better and salvage artistic results from mediocre images. Also learn to edit and prepare images for Internet or PowerPoint presentation and get creative using the artistic filters in PhotoShop Elements.

Saturday and Sunday mornings introduce the technical aspects of digital nature photography in a classroom setting and Saturday afternoon is a hike to the adjacent Santa Fe National Forest to practice the field techniques of wildflower photography.

Workshop Instructors Lisa Mandelkern and Bob Sivinski are both past NPSNM Presidents and avid photographers. Participants who can bring digital single lens reflex (SLR) cameras and laptop computers with either Adobe Lightroom or PhotoShop Elements to this workshop will benefit the most from this instruction.

NPSNM Members: \$80

Nonmembers: \$105 (includes 1 year NPSNM membership)

Register online at <http://www.npsnm.org> or contact Bob Sivinski at bsivinski@cybermesa.com