

# Internodes

## Mark Your Calendar

- *Invasive Plants Conference, August 6-7, 2003*, University of Pennsylvania, Philadelphia. **Contact:** The Morris Arboretum, 100 Northwestern Ave., Philadelphia, PA 19118, 215-247-5777 x159, mabxeduc@pobox.upenn.edu; www.upenn.edu/paflora.
- The 30th Natural Areas Conference, *Defining a Natural Areas Land Ethic, September 24-27, 2003*, Madison, WI. Co-hosted by the Natural Areas Association and the Wisconsin Department of Natural Resources' Endangered Resources Program. The last day of the conference, September 27th, will feature a one-day symposium on *Invasive Plants in the Upper Midwest* (see next listing). **Contact:** www.naturalarea.org
- The *2003 Symposium on Invasive Plants in the Upper Midwest*, part of the 30th Natural Areas Conference (see above listing), **September 27, 2003**, Madison, WI. Participants may register for the entire Natural Areas Conference, or just the one-day symposium sponsored by the Invasive Plants Association of Wisconsin. **Contact:** Kelly.Kearns@dnr.state.wi.us -or- www.ipaw.org
- The 30th Annual Conference on *Ecosystems Restoration and Creation, October 30-31, 2003*, Tampa, Florida. Call for Papers ends June 30th, 2003. **Contact:** fwebb@hccfl.edu -or- pcannizzaro@hccfl.edu; www.hccfl.edu/depts/detp/eco-conf.html
- *Invasive Plants in Natural and Managed Systems: Linking Science and Management, November 3-7, 2003*, Fort Lauderdale, FL. A joint conference and workshop, co-hosted by the Ecological Society of America and the Weed Science Society of America in conjunction with the 7th International Conference on Ecology and Management of Alien Plant Invasions. **Contact:** http://www.esa.org/ipinams-emapi7/

## Publications:

- *Weed Ecology in Natural and Agricultural Systems*, by B.D.Booth, University of Guelph, Canada, S.D. Murphy, University of Waterloo, Canada and C.J. Swanton, University of Guelph, Canada. CABI Publishing. 2003. 288 pp. Paperback. £35.00 US\$60.00 1-800-528-4841 www.cabi-publishing.org/Bookshop/index.asp  
This new textbook links ecological theory to our understanding of natural and agricultural weeds, providing a bridge between basic and applied ecology; it provides examples of natural, managed and agricultural weeds from around the world; and it includes examples from weed and invasive species literature to illustrate ecological principles discussed.
- *Biological Invasions - Economic and Environmental Costs of Alien Plant, Animal and Microbe Species*, edited by D. Pimentel, Cornell University. 2002. 369 pp. CRC Press, Atlanta, GA. \$129.95 1-800-272-7737. www.crcpress.com  
"...assembles detailed information on components of the invasive species problem from six continents."
- *Invasive Exotic Species in the Sonoran Region*, edited by B. Tellman, University of Arizona, University of Arizona Press. 2002. 460 pp. Clothbound. \$75.00. www.uapress.arizona.edu  
"...the first comprehensive attempt to address problems posed by expanding populations of exotic plant and animal species in the Sonoran Desert and adjacent grasslands and riparian areas." Contains the first compiled list of more than 500 naturalized exotic species in the Sonoran region.
- New volumes of *Flora of North America* include: Volume 23, *Magnoliophyta: Commelinidae (in part): Cyperaceae*, treating 843 species in 27 genera, including *Carex*, *Cyperus*, *Eleocharis*, and *Rhynchospora*; Volume 25, *Magnoliophyta: Commelinidae (in part): Poaceae, Part 2*, treating 733 species of genera including *Muhlenbergia*, *Paspalum*, *Panicum*, and *Dichanthelium*; and Volume 26, *Magnoliophyta: Liliidae: Liliales and Orchidales*, treating 908 species in 177 genera including *Pontederia*, *Agave*, *Dioscorea*, and *Iris*. All volumes may be ordered from Oxford University Press at 1-800-451-7556 or www.oup-usa.org
- The Florida Bureau of Invasive Plant Management (BIPM) is providing online its *BIPM Fiscal Year 2001-2002 Annual Report*. This 232-page full color report contains information on aquatic and upland invasive exotic plant control operations, biocontrol research, program costs and funding, and more. Look for the links under "What's New" at www.dep.state.fl.us/lands/invaspec/index.htm This is a large (18 Mb) PDF document; a CD version is available upon request. **Contact:** ruark.cleary@dep.state.fl.us
- The Southeast Exotic Pest Plant Council (SE-EPPC) recently added ten new plants to the *1997 Tennessee Exotic Plant Management Manual*. The newly updated manual provides Integrated Pest Management (IPM) plans for a total of thirty species and includes a line drawing for each. Funds were not available for printing copies of the updated manual, however, the text and drawings can be easily downloaded or converted to CD format from the SE-EPPC website: www.se-eppc.org
- *Deeprooted Sedge: An Overlooked Aggressive Weed in the Southeastern United States* is a full color 11" x 14" fact sheet about *Cyperus entriarianus*, a sedge that has become a serious pest in the coastal plain of the southeastern U.S. The fact sheet contains a distribution map, color photos, identification and growth characteristics and other information. **Contact:** Charles Bryson, cbryson@ars.usda.gov
- *The Wild Orchids of North America, North of Mexico*, by Paul Martin Brown, drawings by Stan Folson. 2003. 256 pp. University Press of Florida. Cloth, \$49.95/ Flexibind, \$27.95. 1-800-226-3822 or www.upf.com  
This annotated guide covers 223 species, 24 subspecies and varieties, and 24 hybrids. Color photographs and line drawings. "[The] best one-volume field guide available for orchid enthusiasts and wildflower lovers..."

## Web Sites:

- Go to the **University of Florida Herbarium Collections Catalog** and search the Digital Imaging Projects, *Plant Species Introduced in Florida*, to see high resolution, zoomable (up to 100%) images of approximately 40 species from the FLEPPC Category II list. The resolution is high enough to distinguish very fine details. The project was funded in part by the Florida DEP-Bureau of Invasive Plant Management and made available through collaboration of the UF Herbarium with the George A. Smathers Libraries (UF) Digital Library Center and the Florida Center for Library Automation. Full label data for all of the Category II species on file in the herbarium also will be available soon in the computerized catalog. The Bureau chose Category II species over Category I because they are less well known, thus creating a greater need for available images. Kent Perkins, Collections Manager for the UF Herbarium, hopes to gain additional funds for more images. There are now approximately 500 images online at the web site in projects such as *Potentially Poisonous Florida Plant Species*, *John Bartram's Botany* (St. Augustine to Picolata), and *Floristic Inventory of Kanapaha Botanical Gardens*, all searchable by common or scientific name.  
[www.flmnh.ufl.edu/herbarium/cat/digitalimagingprojects.htm](http://www.flmnh.ufl.edu/herbarium/cat/digitalimagingprojects.htm)
- The **Fairchild Virtual Herbarium Web Portal** prototype simultaneously searches through the collections of ten herbaria for the Family/Genus/Species you choose. Herbaria include the Missouri and New York Botanical Gardens, Fairchild Tropical Garden, the University of Florida, Texas A&M, and the British and Swedish Museums of Natural History, as well as herbaria in the Cayman Islands and Costa Rica. [www.virtualherbarium.org/vhportal.html](http://www.virtualherbarium.org/vhportal.html)
- The **Aquatic, Wetland and Invasive Plant Information Retrieval System (APIRS)** now is in a user-friendly format, thanks to major support from the Florida Dept of Environmental Protection-Bureau of Invasive Plant Management, and the US Army Corps of Engineers-Aquatic Plant Control Research Program (Jacksonville District and Vicksburg, MS). In addition to its 20-year history of collecting the worldwide literature on aquatic and wetland plant species, APIRS has been collecting new and retrospective literature on upland invasive species in Florida, as well as more general literature on invasive species problems worldwide, for the past couple of years. The annotated citations to this literature can be easily found by searching the database's approximately 60,000 records.  
<http://plants.ifas.ufl.edu/search80/NetAns2/>

## Graduating Students:

- Rachel Tenpenny Sartain, 2003, Master's Thesis. "Physiological Factors Affecting the Management of *Torpedograss*," Agronomy Department, University of Florida, Major Professors: David L. Sutton and Greg E. MacDonald.



## In Memory of Randel F. Poppel 1956 - 2003

**R**andel Poppel was an invasive plant control contractor who owned and operated Randel's Landclearing with his wife Rebecca, and two sons, Laramie and Wyatt. Randel was a master equipment operator and a very conscientious herbicide applicator. The company started working with the Florida Department of Environmental Protection five years ago with modest exotic pest plant control experience. The company quickly became one of our best contractors. This can be attributed to Randel's acceptance of nothing short of perfection from his crews, and a strong desire to always learn more about exotic pest plants, control methods, and the impacts exotic pest plants have on native species.

Randel always was a pleasure to be around. He usually had a funny story or joke to relay that left people smiling or laughing. Randel died in a tragic accident while removing Australian pines from a beach conservation area in Saint Lucie County this past winter. He will be greatly missed by his family and friends, and by the land managers and citizens who appreciate all the great work he accomplished in restoring the natural Florida.

- M. Zeller

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