

COMMELINA BENGHALENSIS L. (COMMELINACEAE), *CAREX*
HYALINA BOOTT (CYPERACEAE), AND *CHLORIS*
SUBDOLICHOSTACHYA C. MUELL. (POACEAE): NEW TO LOUISIANA

R. Dale Thomas & Charles M. Allen

The Herbarium, Department of Biology, Northeast Louisiana University,
Monroe, Louisiana 71209-0502 U.S.A.

ABSTRACT

Three monocotyledons (*Commelina benghalensis* L., *Carex hyalina* Boott, and *Chloris subdolichostachya* C. Muell.) are reported for the first time from Louisiana.

KEY WORDS: *Commelina*, *Carex*, *Chloris*, Louisiana, Monocotyledon

In the final preparation of the *Atlas of the Vascular Flora of Louisiana*, Volume I (Ferns and Fern Allies, Conifers, and Monocotyledons), voucher specimens were found for three species that were not previously reported for the state. The three species are *Commelina benghalensis* L. (Commelinaceae), *Carex hyalina* Boott (Cyperaceae), and *Chloris subdolichostachya* C. Muell. (Poaceae).

Commelina benghalensis L. is native to Asia and has been previously reported from Florida (Clewett 1985). Faden (1993) gave a distribution map showing *Commelina benghalensis* from ten counties in Florida and three counties in Georgia. He also stated that it was known from Hawaii and California. Our collection was determined by Robert Kral (VDB). Cuttings from this collection were planted in the greenhouse on Northeast Louisiana University Campus where it became a rampant weed. The data for the Louisiana collections are:

Jefferson Parish: Cleared, recently disturbed area north of U.S. highway 90 about 3.7 miles west of Lapalco Boulevard near Westwego, 15 June 1991, Thomas & Allen 123895 (VDB,NLU).

Ouachita Parish: Rampantly growing over ground in greenhouse on Bon Aire Drive on Northeast Louisiana University Campus in Monroe, 11 November 1993, *Thomas 138641* (NLU, NY, TENN).

Carex hyalina Boott was reported from Arkansas, Mississippi, Oklahoma, and Texas by Reznicek & Naczi (1993). This species is being considered for addition to the United States List of Endangered and Threatened Plants (U.S. Fish and Wildlife Service 1990). A duplicate of the Louisiana collection was determined by Charles Bryson (SWSL). A search of the collection area and similar habitats in the state is planned for the spring of 1994 with a detailed paper to follow. The collection data for the Louisiana report are:

Rapides Parish: Bottomland hardwood forest off La. highway 488 about two miles west of Alexandria; Sec. 6, T4N, R1W. 12 April 1993, *Allen 17594* (NLU, CTB, personal herbarium of Charles T. Bryson).

Chloris subdolichostachya C. Muell. was reported from Texas and northeastern México by Gould (1975) but was not reported from Louisiana by Allen (1992). A duplicate of the Louisiana collection was verified by Larry E. Brown (SBSC). The collection data for the Louisiana report are:

Allen Parish: Along railroad tracks north of U.S. highway 190 and east of U.S. highway 165 in Kinder; 10 June 1993, *Allen 17701* (NLU, SBSC).

ACKNOWLEDGMENTS

We are grateful to Dr. Eric Sundell (UAM) and Dr. Charles Bryson (SWSL) for reviewing the manuscript.

LITERATURE CITED

- Allen, C.M. 1992. *Grasses of Louisiana*, Second Edition. Cajun Prairie Habitat Preservation Society, Eunice, Louisiana.
- Clewell, A.F. 1985. *Guide to the Vascular Plants of the Florida Panhandle*. University Presses of Florida, Tallahassee, Florida.

- Faden, R.B. 1993. The misconstrued and rare species of *Commelina* (Commelinaceae) in the eastern United States. *Ann. Missouri Bot. Garden* 80:208-218.
- Gould, F.W. 1975. *The Grasses of Texas*. Texas A & M University Press, College Station, Texas.
- Reznicek, A.A. & R.F.C. Naczi. 1993. Taxonomic status, ecology, and distribution of *Carex hyalina* (Cyperaceae). *Contr. Univ. Mich. Herb.* 19:141-147.
- United States Fish and Wildlife Service. 1990. Endangered and threatened wildlife and plants; review of plant taxa for listing as endangered or threatened species. *Federal Register* 55:6183-6229.



Thomas, R. Dale and Allen, Charles M. 1993. "Commelina benghalensis L. (Commelinaceae), Carex hyalina Boott (Cyperaceae), and Chloris subdolichostachya C. Muell. (Poaceae): New to Louisiana." *Phytologia* 75, 336–338.

View This Item Online: <https://www.biodiversitylibrary.org/item/48972>

Permalink: <https://www.biodiversitylibrary.org/partpdf/175920>

Holding Institution

New York Botanical Garden, LuEsther T. Mertz Library

Sponsored by

The LuEsther T Mertz Library, the New York Botanical Garden

Copyright & Reuse

Copyright Status: In copyright. Digitized with the permission of the rights holder.

Rights Holder: Phytologia

License: <http://creativecommons.org/licenses/by-nc-sa/3.0/>

Rights: <https://biodiversitylibrary.org/permissions>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.