

A BIBLIOGRAPHY OF LOUISIANA BOTANY
1951 – 1975

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This bibliography was undertaken to supplement Joseph Ewan's original "Bibliography of Louisiana Botany" (1968) which compiled references through 1950. The format and style followed here represent an extension of that work. Reprinting of the original bibliography, now virtually unavailable, would of course greatly enhance whatever value the supplement might have, not only because it would spare the reader an unnatural disjunction in the story of Louisiana botany, but because it would conveniently allow contemporary workers and students a comparison with the character and achievements of the past. Such a reprinting is not now under consideration.

The present bibliography includes titles on the algae, fungi, bryophytes, and vascular plants of the state of Louisiana and its coastal waters. Most entries fall into the realms of floristics and plant taxonomy, on the one hand, and plant ecology or environmental analysis, on the other. References from diverse branches of botanical literature are assembled, with the focus on the natural flora and vegetation of the state. Thus, horticultural and agricultural items are excluded unless, like the rich literature on the Louisiana irises, they treat largely of plants growing without cultivation - originally, at least - within our boundaries. Forestry is included only when it contains significant redeeming botanical qualities! General monographs are also out-of-bounds, unless locally pertinent floristically or historically — type material from our area, for instance, is grounds for incorporation. Unpublished theses and dissertations, despite valuable field data that so many carry, are omitted. Occasional citations of works not listed in this bibliography (e.g. Viosca, 1935) refer to Ewan's 1967 bibliography. In addition, a number of pre-1951 items that are not found in the original Louisiana bibliography are entered here. Although effort was made to examine all references, a few were missed; these are marked with an asterisk, and, if annotated, the source of the information is cited. Finally, the bibliography is indexed by author, subject, and botanical name.

I wish to express my gratitude to Joseph Ewan on several counts: for suggesting this project, in the first place, for the many references he passed on to me; for his critical reading of the manuscript; and, above all, for the various tools and tricks of the bibliographer's trade that he generously shared with me.

EDITORIAL COMMITTEE FOR THIS PAPER:

DR. JOSEPH EWAN, Professor Emeritus, Tulane University, New Orleans,
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CHRONOLOGICAL BIBLIOGRAPHY

- 1863.* [1] Reizenstein, L. von. Catalogue of the Lepidoptera of New Orleans and its vicinity. New Orleans: Issac T. Hinton. 8 p.
The oldest catalogue of these pollinators for our area, but according to Lambremont, 1954, the basis for the author's determination of species is unknown.
- 1873.* [2] Hilgard, E.W. Supplementary and final report of a geological reconnaissance of the State of Louisiana made under the auspices of the New Orleans Academy of Science and the Bureau of Immigration, May and June, 1869.
See originally, Hilgard, 1869. According to Cain, 1974, a copy of the supplement is to be found at University of Mississippi Library, Mississippi Collection.
1875. [3] Maitre, R. Illustrated and descriptive catalogue of vegetable and flower seeds, Holland or Dutch bulbs, tuberous and perennial plants, green-house, hot-house and bedding plants, ornamental and evergreen trees, flowering shrubbery, camelias and roses, garden implements, and other garden requisites. Philadelphia. [Private printing]. 129 p.
Seed store was located at 631 Magazine Street and the nurseries and green-houses at 976 Magazine, in New Orleans. An impressive variety of edibles and ornamentals, (18 palms and 64 "orchids or parasites") are offered for sale. Bulbs and roots were annually imported from Holland, but much of the rest was "exclusively our own product" and consequently "thoroughly to our climate." Illustrations rather few and eclectically borrowed.
1878. [4] Chapman, A.W. An enumeration of some plants – chiefly from the semi-tropical regions of Florida – which are either new, or which have not hitherto been recorded as belonging to the flora of the Southern States. Bot. Gaz. 3:2-6, 9-12, 17-21.
Half a dozen plants from New Orleans, chiefly Josiah Hale's collections, are among the new records.
1888. [5] Albrecht, J. The palms. A physiognomic sketch. Trans. Amer. Hort. Soc. 5:98-108.
Pan-tropical discussion by a widely travelled Louisiana resident. One or two local examples drawn upon.
1888. [6] Renauld, F. and J. Cardot. New mosses of North America. I. Bot. Gaz. 13:197-203.
Fontinalis flaccida collected by Langlois in East Louisiana. "in the branches and roots overflowed in the Bayou Bonfouca" (St. Tammany Parish). (Plate XIX). Part II, *ibid.* 14:91-100. Here tallied several other of Langlois' mosses, some of them new records for North America. See also item 323.
1895. [7] Muller, J. Graphideae Eckfeldtianae in Louisiana et Florida, lectae, additis observationibus in Graphideas Calkinsianas ejusdem regionis. Bull. Herb. Boiss. 3:41-50.

Lichens from St. Martinville (St. Martin Parish) and Pointe a la Hache (Plaquemines Parish), the collections of Father Langlois. According to Dix (1945), the lichens were sent by Eckfeldt, curator at the Acad. Nat. Sci. Phila., to Muller for identification. They are credited to Eckfeldt but carry Langlois' collection numbers. About 45 species, 12 of them newly described. See Briquet, J., *Biographies des Botanistes a Geneve* (1940), for a life of Muller, who was curator for the de Candolles.

1896. [8] Renauld, F. and J. Cardot. Musci Americae septentrionalis exsiccati. Notes sur quelques especes distribuees dans cette collection. Bull. Herb. Boiss. 4:1-19.
New Louisiana records are based upon collections of Father Langlois.
1899. [9] Bicknell, E. Studies in *Sisyrinchium* — I: Sixteen new species from the southern states. Bull. Torrey Botan. Club. 26:217-231.
S. furcatum, the only specimens cited are from Hammond, Tangipahoa Parish, in southeastern Louisiana.
1900. [10] Anon. [Note of A.B. Langlois' death.] Botan. Gaz. 30:359.
1901. [11] Lloyd, F.E. A botanical reconnaissance of the Mississippi Sound islands and delta. J. New York Botan. Gard. 2:26-29.
Brief observations on the vegetation of the islands lying between Biloxi, Mississippi, and the Mississippi Delta, and of the Delta proper.
1904. [12] Lloyd, F.E. The delta of the Mississippi. J. Geogr. 3:204-213.
Observations were made during a botanical reconnaissance in summer of 1900 (see Lloyd, 1901). Botanical annotations. Six photographs.
1923. [13] Huxley, J.S. Ils n'ont que de l'ame: an essay on bird-mind. *In* Essays of a biologist, pp. 105-130. New York.
It was on the Louisiana coastal plain, at McIlhenny's bird sanctuary on Avery Island (Iberia Parish), that the impassioned courtship and nesting rituals of the Louisiana heron and the "little White Egrets" made a lasting impression on this great English biologist. Anhingas and egrets at play are also among the recollections. Botany minimal.
1926. [14] Abbott, E.V. A survey of the microbiological activities in some Louisiana soils: a preliminary survey. La. State Univ., Agr. Exp. Sta., Bull. No. 194. 25 p.
According to Hodges, 1962, one of the earliest surveys for soil fungi (among other things) in the southern states.
1928. Pessin, L.J. Mycorrhiza of southern pines. Ecology 9:28-33.

- [15] Ectotrophic mycorrhiza of *Pinus echinata*, *P. palustris*, *P. taeda*, and *P. caribaea* studied at Bogalusa (Washington Parish). Seven figures.
1931. Small, J.K. and E.J. Alexander. Botanical interpretation of the iridaceous
[16] plants of the Gulf States. Contrib. New York Botan. Gard. 327.
 "Excerpt from the forthcoming *Manual of the Flora of the Southeastern United States*," which includes our Florida Parishes. 96 species of *Iris*, 75 of which are new binomials from southern Louisiana. Viosca later (1935) reduced these to four species.
1931. Viosca, P., Jr. Spontaneous combustion in the marshes of southern Louisi-
[17] ana. Ecology 12: 439-442.
 In our enlightenment we may no longer believe in the death of Dickens' Mr. Krook by spontaneous combustion, but the author's interpretation of the more than 100 marsh fires in question is intriguing and convincing.
1932. Viosca, P., Jr. Irises of Louisiana. Flower Grower 19:386-387.
[18] The earliest of Viosca's iris publications and a popular forerunner of his definitive taxonomic and ecological study that appeared in 1935. See also Penn, 1962.
1933. de Lesdain, B. Lichens de la Louisiane recueillis par les frères G. Arsène et
[19] Néon. Ann. Crypt. Exot. 6:49-58.
 Introduction in French by Frère Arsène, followed by a list of Arsène's Covington collections (St. Tammany Parish) and Néon's from Lafayette. Three new species are described. Also an annotated list of lichens collected by Langlois, determined by l'abbé Hué and published in his *Lichenes Extra Europaei*.
1935. Brown, C.A. Notes on the distribution of an epiphytic orchid, *Epidendrum*
[20] *conopseum* Ait. in Louisiana. Proc. La. Acad. Sci. 2:105-106.
 Brief survey of the literature and parish list of collections known to the author.
1935. Brown, C.A. Some wildflowers of Louisiana. La. Conserv. Rev. 4(5):3-7, 44.
[21] First in a series of eight, 1935, '36, '37: II. Woodland flora of the pine flats. *ibid.* 4(6):18-24; III. Flora of the alluvial soils. *ibid.* 4(7):22-29; IV. Trees, shrubs, and vines. *ibid.* 4(8):32-37; V. Ferns and fern allies. *ibid.* 5(1):12-23; VI. Weeds of Louisiana. *ibid.* 5(3):19-24; VII. Poisonous plants. *ibid.* 5(4):34-39; VIII. Four spring flowers. *ibid.* 6(1):10-11. In all, a popular running account for the outdoorsman, illustrated with sketches and photographs. First report of the introduction of *Caperonia castaneaefolia* into Louisiana from the tropics, VI, p. 23, most likely a misidentification. No voucher mentioned.
1935. Russell, R.J. and H.V. Howe. Cheniers of southwestern Louisiana. Geogr.
[22] Rev. 25:449-461.
 Long narrow sandy ridges along the Gulf Coast, called "cheniers" by the Creoles because of the great live oaks that thrive in their well-drained, fertile soil. Paper treats of the Quaternary origin of these formations, a contest between subsidence and delta growth. "Origin of Cameron Marsh" (Cameron Parish), pp. 454-456. Two maps, three photos.

- 1937.*
[23] Frye, T.C. and L. Clark. Hepaticae of North America. Univ. of Wash. Publ. Biol. 6(1-5):1-1018.
1937 to 1947. Early Louisiana contributions by such noted hepaticologists as Alexander Evans, Marshall A. Howe, and L. M. Underwood tabulated. 65 species designated from Louisiana. Koch, 1961.
1939.
[24] Svihla, R.D. Field notes on a collection of Louisiana Hepaticae. Bryologist 42:118-120.
About 20 new records for the state, taken in the marshlands near Morgan City (St. Mary Parish).
1940.
[25] Grout, A.J. Moss notes, 1939. Bryologist 43:74-76.
Range extensions into Louisiana for *Leucobryum antillarum* and *Polytrichum piliferum*, based on collections of Faith Pennebaker [Mackaness].
1942.
[26] Brown, C.A. History of the wild strawberry in Louisiana. Home Gardening 2:168, 174, 180.
The author tracks the elusive wild strawberry of Louisiana, a plant mentioned by Bartram and Rafinesque, Riddell, Langlois and Small, his quest ending successfully on Silver Creek, Washington Parish, with the rediscovery of *Fragaria grayana* (*F. virginica*). Brown's motive for this eleven year search was largely philanthropic rather than botanical: to improve our cultivated variety of strawberry by crossing with the native.
1942.
[27] Brown, C.A. Native orchids. Home Gardening 3:6-7, 20.
Popular article with information on distribution, especially of *Epidendrum conopseum*.
1942.
[28] Foote, L.B. Bibliography of the official publications of the state of Louisiana, 1803-1934. American Imprints Inventory No. 19. 576 p.
Issued by Hill Memorial Library at Louisiana State University as part of the WPA Historical Records Survey Program. Publications of La. State Univ., Agr. Exp. Sta. and Agr. Ext. Div., may be found pp. 347-393, but are of extremely limited value for our purposes. 1935-1948 comprises vol. I of "State of Louisiana, Official Publications," also compiled by L.B. Foote. Vol. II. 1948-1953, compiled by M.T. Lane. Both volumes appeared in 1954. 1954-1972, Vols. III, IV, and V, are, as stated on the title pages, compiled by W.O. Martin, Jr., Secretary of State, but the more likely candidate is M.T. Lane who remains Recorder of Documents throughout that period. A separate series began in 1949 as "State of Louisiana, Public Documents," appearing biannually and consecutively numbered (no volumes). These numbers are periodically superceded by the volumes of "Official Publications." More recent publications of the Agricultural Experiment Station, the Wild Life and Fisheries Commission, and the Forestry Commission are often of botanical interest.
1942.
[29] Mackaness, F.P. Bryophytes of the live oak forest. [Abstract.] Proc. La. Acad. Sci. 6:48-49.
A rich abundance of corticolous bryophytes characterizes the live oak forest association. Mention of seven species.

1942. Prescott, G.W. The fresh-water algae of southern United States II. The algae
[30] of Louisiana, with descriptions of some new forms and notes on distribution. Trans. Amer. Microsc. Soc. 61:109-119.
Annotated list of some 60 taxa.
1942. Russell, R.J. Flotant. Geogr. Rev. 32:74-98.
[31] Flotant is a fitting subject for geographers as well as botanists, for the conversion of open water into marsh creates a zone half plant, half land, a natural process in southern Louisiana that alligator-weed and water-hyacinth have only accelerated. Development and anatomy of flotant is emphasized, but the article will serve as a serious introduction to the entire subject, botanically, geographically, and culturally.
1943. Brown, C.A. Opportunities for paleobotanical research in Louisiana. Proc.
[32] La. Acad. Sci. 7:36-38. "1942."
Synopsis stresses study of lignite, the richest source of information on past vegetation in Louisiana. See also Brown, 1954.
1944. Eyles, D.E., J.L. Robertson, Jr., and G.W. Jex. A guide and key to the
[33] aquatic plants of the southeastern United States. U.S. Public Health Bull. No. 286. 151 pp.
Reprinted 1963 by U.S. Dept. Interior, Fish and Wildlife Serv., as Bureau of Sport Fisheries and Wildlife Circular 158. "Southeastern" U.S. officially bounded on the west by the Mississippi-Louisiana line. Illustrated keys to genera and species and annotated species lists. A fairly rigorous guide, but without full species descriptions it is of limited value beyond genus. Supt. of Documents No. 149.4:158.
1944. Kane, H.T. Deep delta country. New York. 283 p.
[34] The account of A.B. Langlois' years as priest at Pointe a la Hache (Plaquemines Parish) where, only a few years before his arrival, his predecessor, Father Savelli, had been killed by a furious mob, is rich in botanical anecdotes: overcoming the problem of drying specimens in so humid a place, for instance — "Callers at the rectory during the worst days of July found a hot fire in the living room, and Father covered with perspiration as he worked at the hearth." And parishioners coming to mass from the back canals and lakes, proudly bearing plants for Father. pp. 228-234. The author acknowledges the Right Reverend Monsignor Joseph Langlois (p. 271) for hitherto unpublished material regarding his uncle, Father Langlois. Other sources are not indicated, though a lengthy "Selected Bibliography" lends added reliability to Kane's account of "the Botanist-Priest of Plaquemines."
1945. Cook, M.T. Species of *Synchytrium* in Louisiana. I. Description of species
[35] found in the vicinity of Baton Rouge. Mycologia 37: 284-294.
Part one in a series of eight, (1945. '47, '49, '51, '52, '53): *Mycologia* 37:571-576, 37:715-740, 39:351-357, 41:24-27, 43:103-107, 44:827-828, 45:101-114. *Synchytrium* is a genus of gall forming parasites of higher plants. Part III: Development and structure of the galls. The other seven entries contribute to a state roster of some 40 species, the vast majority of which are newly described. Most specimens were collected around Baton Rouge. See also several follow-up articles of John Karling for supplementary data and some taxonomic adjustments.

1945. Dix, W.L. Langlois' Louisiana Cladoniae. *Bryologist* 57:156-159.
 [36] The collection forming the basis of this report resides at the National Museum in Washington, D.C. Langlois wrote in the preface to his *Catalogue*, "It is hoped in a future new edition to give also a list of the lichens of the region." Apparently he never did so. Biographical sketch and history of the lichen specimens make this a particularly valuable contribution. See also Müller, 1894, and Tucker, 1970.
- 1946.* Brown, C.A. and W.H. Carter. Weed investigations. La. State Univ., Agr.
 [37] Exp. Sta., Bull. No. 402. 24 p.
1946. Taft, C.E. Some Oedogoniaceae and Zygnemataceae from Texas and Louisiana. *Trans. Amer. Microsc. Soc.* 65:18-26.
 [38] Nineteen taxa recorded for the state from collections between Shreveport and Baton Rouge. *Oedogonium louisianense* sp. nov. from Reeves, Allen Parish.
1947. Earle, T.T. The flowering cycle of water hyacinth. *Proc. La. Acad. Sci.*
 [39] 10:27-29.
 New Orleans study. Timetable of opening and closing of flowers, with related data.
1947. Lynch, J.J., J.E. King, T.K. Chamberlain, and A.L. Smith. Effects of aquatic
 [40] weed infestations on the fish and wildlife of the Gulf States. U.S. Dept. Interior, Fish and Wildlife Serv., Spec. Sci. Rep. No. 39. 71 p.
 Supt. of Documents No. 1 49.15:39. Almost exclusively water-hyacinth and alligator-weed. Appendix A: "Investigations of the effects of the water-hyacinth on the fish and fish habits of Louisiana waters," esp. pp. 30-51.
1947. Robinson, B.B. Minor fiber industries. *Econ. Botan.* 1:47-56.
 [41] Spanish-moss gatherers in Louisiana, working the bayous for fallen moss, may average 500 pounds per day! *Spartina* "grass" as a substitute for broom corn. Saw palmetto.
- 1948.* de las Barras y de Arago, Francisco. Cuando la Luisiana era espanola! Una
 [42] remesa de plantas. *Montes* 4:126-131. [USDA Botany Subject Index 14019].
1948. Olive, L.S. Taxonomic notes on Louisiana fungi – I. *Mycologia* 40:6-20.
 [43] Several new genera and species of parasitic fungi found in the state, in addition to new distributional and host records *Thallospora* gen. nov. (*T. aspera* on *Veronica peregrina*) and *Heicomina* gen. nov. (*H. caperoniae* on *Caperonia castaneaefolia*). But see Item 21). All collections from Baton Rouge.
1948. Olive, L.S. Taxonomic notes on Louisiana fungi – II. Tremellales. *Mycologia*
 [44] 40:586-604.

27 species of jelly fungi, 4 of which are previously undescribed.

1949. Bodman, M.C., Sr. The genus *Heterochaete* in the United States. *Mycologia*
[45] 41:527-536.
H. sublivida Pat. is known only from the type locality at St. Martinville, where it was collected by Langlois in 1897. The genus was previously unknown in the United States. *H. andina*, the other species in our area, is more widespread. Four figures.
1949. Viosca, P., Jr. Natural checks on the water-hyacinth. *Proc. La. Acad. Sci.*
[46] 12:67-71.
A more comprehensive article than the title indicates. Senescence of water bodies, the result of floatant or large permanent mats of water-hyacinth and many native and introduced aquatic weeds, is here considered the consequence of drainage and flood control measures. Solid observation and comprehension make of this plea for rejuvenation of bayous, swamps, and canals of the low country a solemn warning about Louisiana's future natural health.
1950. Jung, R.C. An annotated list of the Lepidoptera of the New Orleans area.
[47] *Proc. La. Acad. Sci.* 13:42-48.
A few cultivated plants identified as larval hosts.
1950. Moore, W.G. Limnological studies of Louisiana lakes. I. Lake Providence
[48] [East Carroll Parish]. *Ecology* 31:86-99.
"Aquatic Vegetation" discusses briefly the unanticipated paucity of the higher aquatic flora of this hard-water lake. "Plankton": primarily blue-greens, greens and diatoms.
1950. Scott, A.M. New varieties of *Staurostrum ophiura* Lund. *Trans. Amer.*
[49] *Microsc. Soc.* 69:248-253.
Var. *horridum* only in Louisiana; var. *longiradiatum*, La., Miss. and Fla.
1951. Boudreaux, B.H. The insect family Aphididae in Louisiana. *Proc. La. Acad.*
[50] *Sci.* 14:14-22.
List of species includes the known plant hosts in the state.
1951. Brown, C.A. Cypress — the tree unique: the wood eternal. *Garden J. New*
[51] *York Botan. Gard.* 1:36-39.
General information on the ecology and uses of baldcypress. Photographs of several extraordinary trees.
1951. Cooke, M.T. Distribution of species of *Synchytrium* in North America.
[52] *Mycologia* 43:590-597.
Fourteen spp. described by the author from material collected in our area. That Louisiana is the *Synchytrium* center of America reflects Cook's intensive work in his own state and a paucity of collections elsewhere. "...possibly all species found in America have a much wider geographical distribution than has been reported." No bibliography.

1951. Fassett, N.C. *Callitriche* in the New World. *Rhodora* 53:137-155, 161-182,
[53] 185-194, 209-222.
Louisiana collections of Langlois cited: *C. terrestris*, *C. nuttallii*, *C. peploides* var. *peploides*, *C. heterophylla* var. *heterophylla*. Drummond's collection of *C. peploides* from New Orleans probably isotype of *C. drummondii*, and Hale's Louisiana collection of *C. nuttallii* cited by Hegelmaier as an isotype. Key to southeastern species. Maps and crucial illustrations.
1951. Flint, L.H. Some winter red algae of Louisiana. *Proc. La. Acad. Sci.* 14:34-
[54] 36.
A few freshwater species discussed.
1951. Olive, L.S. Taxonomic notes on Louisiana fungi. III. Additions to the Trem-
[55] ellales. *Mycologia* 43:677-690.
Fifteen species of jelly fungi, most of which represent new records for the state. Several new species described.
1951. Penn, G.H. A brief chronology of the history of entomology in Louisiana.
[56] *Proc. La. Acad. Sci.* 14:72-87.
Excellent bibliography. Many entries with botanical information.
1951. Shinnars, L.H. The North Texas species of *Hymenocallis* (Amaryllidaceae).
[57] *Field and Lab.* 19:102-104.
Pancratium liriosome Raf. (in *Florula Ludoviciana*) = *Hymenocallis liriosome* (Raf.) Shinnars. *H. eulae*, here newly described from only Texas, has subsequently been found in Louisiana.
1952. Brown, C.A. Notes on the occurrence of *Ophioglossum crotalophoroides*
[58] Walt. in Louisiana. *Amer. Fern J.* 42:90-92.
Evidently common on lawns in the Baton Rouge area and easily overlooked. No mention of vouchers. One figure, no scale.
1952. Gleason, H.A. The new Britton and Brown illustrated flora of the northeast-
[59] ern United States and adjacent Canada. New York and London. 3 vols.
Like Fernald's edition of Gray's *Manual*, this monumental flora of the northeast remains of inestimable service to southern botanists. The fit with our Louisiana flora is perhaps best for the upland oak-hickory hardwoods of East and West Feliciana and East Baton Rouge parishes and for coastal plain elements. Second and third printings, 1958 and 1963, both slightly revised.
- 1952.* Horn, N.L. A comparative study of two species of *Colletotrichum* on vetch.
[60] *Phytopathology* 42:670-674.
C. sativum described as a new species on *Vicia* spp. and *Pisum sativum* in Louisiana. *Biol. Abst.*
- 1952.* Langdon, O.G., M.L. Bomhard, and J.T. Cassady. Field book of forage

- [61] plants on longleaf pine-bluestem ranges. U.S. Forest Serv., Southern Forest Exp. Sta., Occ. Pap. 127. 117 p.
1952. Penfound, W.T. Southern swamps and marshes. *Botan. Rev.* 18:413-446.
- [62] "Systematic" study of the major types of swamps and marshes of the Southeast with in-depth discussion of each. Lengthy bibliography.
1952. Phaff, H.J., E.M. Mrak, and O.B. Williams. Yeasts isolated from shrimp. *Mycologia* 45:698-719.
- [63] Thirty-five cultures of yeasts were isolated from shrimp (*Penaeus setiferus*) collected in the Gulf of Mexico off the coast of Texas.
1952. Shanor, L. The characteristics and morphology of a new genus of Laboulbeniales on an earwig. *Amer. J. Botan.* 39:498-504.
- [64] *Filariomyces forficulae*, collected in Baton Rouge. 25 figures, including photomicrographs.
1953. Cook, T. Louisiana irises, a bibliography. Lafayette: Southwestern Louisiana Institute. 16 p.
- [65] "This is not a complete bibliography, but it is the first printed work that shows what has been written on Louisiana Irises." Two pages of newspaper items are particularly valuable.
1953. Duncan, W.H. Taxonomic collections of vascular plants in the southeastern states – their abundance and relation to production of floras. *Rhodora* 55:353-358.
- [66] Dot map, based on published records of five genera, indicates relatively poorly collected areas: most of Mississippi, Louisiana, and Tennessee. Table compares all southeastern states: only Miss. scores lower than La. in "Corrected Average Number of Collections per County."
1953. Exner, B. Comparative studies of four rhizoctonias occurring in Louisiana. *Mycologia*: 45:698-719.
- [67] Pathogens of considerable importance on beans, sugar cane, rice, figs. Pathology and taxonomy.
1953. Flint, L.H. Two new species of *Batrachospermum*. *Proc. La. Acad. Sci.* 16:10-15.
- [68] *Batrachospermum mikroyne* Flint et Skuja and *B. basilare* Flint et Skuja, two freshwater red algae described and, thus far, known only from Louisiana. Voucher specimens filed at 6 herbaria, including LSU & US.
1953. Greene, W.F. and H.L. Blomquist. Flowers of the South, native and exotic. Chapel Hill, North Carolina. 208 p.
- [69] An informative rather than merely descriptive text accompanies useful line drawings (floral

details wanting) to some 400 native and 100 exotic plants. 55 color plates, accenting the horticultural, include many excellent and ambitious artistic compositions remarkable for their botanical accuracy. La. well represented in the many "Fla. to Texas" species.

1953. Karling, J.S. *Micromyces* and *Synchytrium*. *Mycologia* 45:276-287.
 [70] "Many of the new species created by Cook [see item 35] will have to be reinvestigated thoroughly."
1953. Karling, J.S. *Synchytrium urticae*. *Mycologia* 45:613-615.
 [71] Invalidity of Cook's binomial and discussion of its possible identity with some Russian *Synchytrium*.
1953. Karling, J.S. *Synchytrium chamaedryoidis*. *Mycologia* 45:976-977.
 [72] Cook's = *S. urticae*, though an invalid name, is confirmed as a true species, and a nomenclatural change is proposed.
1953. Lowy, B. *Auricularia* in Louisiana. *Proc. La. Acad. Sci.* 16:28-30.
 [73] "... to clarify and summarize briefly our knowledge of this genus in the state." Three species considered.
1953. Lowy, B. Myxomycetes of Louisiana. *Mycologia* 45:926-933.
 [74] Checklist includes 42 new reports for the state. Collections from Baton Rouge. Ten figures.
1954. Bick, G.H. A bibliography of the zoology of Louisiana. *Proc. La. Acad. Sci.* 17:5-48.
 [75] Reflects author's interest in the literature of "Natural history," thus indirectly of even greater use to botanists than a stricter treatment. Headings include "Climate, Geology, Physiography" and "Major Vegetation Studies."
1954. Brown, C.A. Palynological studies on Louisiana lignite. [Abstract.] *Internat. Botan. Cong. Proc.* 8(6):270.
 [76] Fifty outcrops of Tertiary lignite are rich in pollen and fern spores. Correlations suggested between these grains and grains described from Eocene brown coals of Germany.
1954. Drechsler, C. Some Hyphomycetes that capture eelworms in southern states. *Mycologia* 46:762-782.
 [77] Two of the new species of nematode-capturers collected in Laplace (St. John the Baptist Parish), Louisiana.
1954. Drechsler, C. Two species of *Conidiobolus* with minutely ridged zygospores. *Amer. J. Bot.* 41:567-575.
 [78] *C. rhysosporus* and *C. osmodes* new species found in decaying plant detritus from southern Louisiana. Close observation of spores and spore germination. Four pages of figures.

1954. Flint, L.H. *Sirodotia* in Louisiana. Proc. La. Acad. Sci. 17:59-65.
[79] Freshwater red algae closely allied to *Batrachospermum* and favoring cold, swift-flowing streams. Six species collected from Louisiana to date.
1954. Karling, J.S. The galls of *Synchytrium modiolensis*. Bull. Torrey Botan. Club
[80] 81:199-209.
Originally described by Cook from Baton Rouge [35] and apparently collected earlier by Langlois (1888) in the state. A few details of interest concerning the Langlois collection filed at NY.
1954. Karling, J.S. *Synchytrium brownii*, a new species with sexual reproduction.
[81] Sydowia 8:27-30.
Established for a parasite of *Oenothera laciniata* in Louisiana and named for Clair A. Brown in appreciation of his help collecting species of *Synchytrium*. However, see Karling, 1958.
1954. Karling, J.S. *Synchytrium modiolensis* Cook and *Synchytrium australe* Speg-
[82] azzini. Mycologia 46:529-533.
Cook's parasite collected on *Modiola caroliniana* from Baton Rouge is synonymous with Spegazzini's Argentinian species. The latter has priority.
1954. Lambremont, E.N. The butterflies and skippers of Louisiana. Tulane Stud.
[83] Zool. 1:127-164.
Botanical commentary, mostly larval-feeding habits, scattered throughout. References include several other Louisiana Lepidoptera titles.
1954. Lowy, B. A new *Dacrymyces*. Bull. Torrey Botan. Club 81:300-303.
[84] *D. nigrescens*, a jelly fungus, from the Baton Rouge area. Eleven figures.
1954. Lowy, B. A new species of *Platyglœa* from Louisiana. Mycologia 46:100-104.
[85] *P. longibasidia* on frondose wood, Goodwood, La. Believed to represent "a primitive ancestral type from which the rusts could conceivably have been derived."
1954. Lytle, S.A. and B.N. Dirskell. Physical and chemical characteristics of the
[86] peats, mucks and clays of the coastal marsh area of St. Mary Parish, Louisiana. La. State Univ., Agr. Exp. Sta., Bull. No. 484. 37 p.
Foldout map of soil types. Information on water-holding capacity and organic matter patently of great use to wetlands ecologists.
1954. Penn, G.H. Introduced pitcher plant mosquitoes in Louisiana (Diptera,
[87] Culicidae). Proc. La. Acad. Sci. 17:89-90.
Scarcity of *Sarracenia purpurea* in Louisiana is apparently the critical factor preventing permanent establishment of *Wyeomyia haynei* Dodge.

- 1954.* Stroube, W.H. Host range of the *Rhizoctonia* aerial blight fungus in Louisiana. Plant Dist. Reporter 38:789-790.
[88]
List of the natural plant hosts of *Pellicularia filamentosa* f. *sasakii*. Biol. Abst.
- 1954.* Stroube, W.H. *Puccinia oahuensis* on *Digitaria ischaemum* and *D. sanguinalis* in Louisiana. Plant Dist. Reporter 38:120.
[89]
Apparently the first record of this rust fungus in Louisiana, and the first record of its occurrence on *D. ischaemum*. Biol. Abst.
1954. Taylor, W.R. Sketch of the character of the marine algal vegetation of the shores of the Gulf of Mexico. U.S. Dept. Interior, Fish and Wildlife Serv., Fishery Bull. 89:117-192.
[90]
Louisiana algal flora, pp. 187-188. Extensive bibliography. Supt. of Documents No. I 49.27:89. Bull. 89 is devoted entirely to the Gulf of Mexico and includes other pertinent titles: Phytoplankton, pp. 163-169; Bacteria, Fungi, and Unicellular Algae, pp. 217-232. See also Thorne, 1954.
1954. Thorne, R.F. Flowering plants of the waters and shores of the Gulf of Mexico. U.S. Dept. Interior, Fish and Wildlife Serv., Fishery Bull. 89:193-202.
[91]
Literature review yields four principal communities of flowering plants: submarine meadow, mangrove swamp, salt marsh, sand-strand vegetation. Floristic and ecological synopsis with extensive bibliography. Supt. of Documents No. I 49.27:89.
- 1954.* Wolff, S.E. A guide to plant names in Texas, Oklahoma, Louisiana, and Arkansas. Rev. by C.A. Rechenstern. U.S. Dept. Agr., Soil Conserv. Serv. 91 p.
[92]
1955. Anon. Forests of Louisiana, 1953-1954. U.S. Forest Serv., Southern Forest Exp. Sta., Forest Survey Release 75. 64 p.
[93]
Brief descriptions of forest types. Colored maps showing 5 forest types and "non-typed, less than 10% forest." Egler, 1961
1955. Anon. Publications of the Southern Forest Experiment Station, July 1921 through December 1954. U.S. Forest Serv., Southern Forest Exp. Sta., Occ. Pap. 108 (Revised). 128 p.
[94]
Numerous valuable titles for the plant ecologist, especially in the areas of grazing and fire ecology, can be had here by selective culling. An understanding of fire ecology is no doubt the key to an understanding of the vegetation of the coastal plain, a vast sub-climax zone of pine, and it is our state and federal agencies that have the funds and manpower to investigate the role of fire, botanically as well as commercially. Reprints are often available on request to S.F.E.S. in New Orleans. See also Punch, 1962.

- 1955.* Benjamin, R.K. New genera of Laboulbeniales. *Aliso* 3:183-197.
 [95] *Homaromyces* newly described from Illinois and Louisiana: *H. epleri* parasitic on a beetle. *Biol. Abst.*
1955. Drechsler, C. Additional species of Zoopagaceae subsisting on Rhizopods
 [96] and eelworms. *Mycologia* 47:364-388.
 Four more types (see item 77) from Laplace (St. John the Baptist Parish).
1955. Eggler, W.A. Radial growth of nine species of trees in southern Louisiana.
 [97] *Ecology* 36:130-136.
 Based on 70 trees, March to March 1951-1952. Two areas, riverfront in Jefferson Parish and cypress-tupelo swamp in St. Charles Parish. *Egler, 1961.*
1955. Hansford, C.G. Tropical fungi. V. New species and revisions. *Sydowia* 9:1-
 [98] 88.
 Among the many new descriptions of spp. and vars., find (p. 3) *Irenopsis quercifolia* on *Quercus*, Louisiana and Florida. Herbarium study.
1955. Karling, J.S. *Synchytrium ranunculi* Cook. *Mycologia* 47:130-139.
 [99] Originally described as a parasite of *Ranunculus pusillus* at Baton Rouge. Life cycle with 31 figures.
- 1955.* Lowy, B. Illustrations and keys to the tremellaceous fungi of Louisiana.
 [100] *Lloydia* 18(4):149-181.
 Nine species. *Spears and Lowy, 1957.*
1955. Lowy, B. Some Louisiana Gasteromycetes. *Proc. La. Acad. Sci.* 18:45-53.
 [101] Keys to orders, families, genera, and species, followed by a checklist of 32 species, 28 of which represent first reports from the state. Eleven photographs help to compensate for the lack of full species, habitat and substrate descriptions.
1955. Wherry, E.T. The identity of *Dupratzia* Rafinesque. *Castanea* 20:71.
 [102] The genus *Dupratzia*, first proposed by Rafinesque in his *Florula Ludoviciana* of 1817, is formally placed on record as a later name for *Eustoma* Salisbury, (Gentianaceae), the "West Indian bluebell." (*Index Kewensis* refers *Dupratzia*, with a question, to *Phlox*).
1955. Wilbur, R.L. A revision of the North American genus *Sabatia* (Gentianaceae). *Rhodora* 57:1-33, 43-71, 78-104.
 [103] Tulane herbarium consulted. Type of *S. macrophylla* Hook. var. *microphylla* collected by Drummond in St. Tammany Parish. *S. brachiata*: Louisiana collections by Drummond, Arsene, Cocks. *S. grandiflora*: single Louisiana collection, by Josiah Hale, filed at Gray. *S. brevifolia*: also a single state collection, at MO, without locality data: "... should not be included in flora of the state without a better substantiated record." Louisiana vouchers for several other species are numerous.

1956. Blake, S.F. The identity of *Calyptocarpus blepharolepis*. *Rhodora* 58:275-
[104] 278.
Some history of *C. vialis*'s eastern march from Texas across Louisiana and some New Orleans collections.
1956. Breen, R.S. and R.A. Pursell. More mosses from Stone Mountain, Georgia
[105] and vicinity. *Bryologist* 59:184-186.
"Specimens of *Splachnobryum* collected by Faith Pennebaker Mackness in New Orleans are *S. wrightii*, a species closely related to *S. bernoullii*." This collection of an uncommon, tropical American moss, was published originally as *S. bernoullii*. See also Koch, 1957.
1956. Brown, C.A. Commercial trees of Louisiana. Baton Rouge: Louisiana For-
[106] estry Commission. 76 p.
Paperback. Seventy species described and illustrated with photographs: bark, leaves, fruits or flowers. Interesting tidbits. Map of tree regions divides state into six vegetation regions.
1956. Gunter, G. Land, water, wildlife and flood control in the Mississippi Valley.
[107] *Proc. La. Acad. Sci.* 19:5-11.
Careful summary and interpretation of a subject that will always be at the heart of the natural history of Louisiana. The fate of once natural overflow areas currently deprived of both floodwater and its alluvium is one of several topics considered.
1956. Humm, H.J. Sea grasses of the northern Gulf Coast. *Bull. Mar. Sci. Gulf and*
[108] *Carib.* 6:305-308.
Observations and collections in Mississippi Sound off Ocean Springs, Miss. Annotated list of six species with key.
1956. Karling, J.S. Undescribed species of *Synchytrium*. *Mycologia* 48:83-98.
[109] *S. nitidum* collected by Clair Brown on *Specularia (Triodanis) biflora* at Baton Rouge.
1956. Koch, L.F. Louisiana muscology 1. Review and summary of literature. *Bry-*
[110] *ologist* 59:192-203.
Details of collectors and collections within the state (Drummond, Featherman, Mohr, Langlois, et al.) and subsequent history of the collections and their incorporation into catalogues of broader geographic range. Louisiana citations are culled from a diffuse literature, making the literature cited surely the most complete and useful list to date for Louisiana bryologists. Two appendices: doubtful Louisiana taxa and *nomina nuda* and other rejected reports.
1956. Lowy, B. A note on *Sirobasidium*. *Mycologia* 48:324-327.
[111] *S. sanguineum* Lager. & Pat. found on a dead branch of *Fraxinus nigra* near Baton Rouge. Few records for this genus in North America, and this and Olive's 1951 report are our only local collections of the species.

1956. Mackin, J.G. *Dermocystidium marinum* and salinity. Proc. Natl. Shellfish
[112] Assoc. 46:116-128.
A parasite of oysters studied in Redfish Bay (Plaquemines Parish), Louisiana. The genus is hanging in Ainsworth and Bisby's *Dictionary of the Fungi*, "'? Chytridiales or Protozoa."
1956. Moore, J.A. Notes on fern distribution in Louisiana. Amer. Fern. J. 46:82-
[113] 84.
Localities in northern Louisiana additional to Brown and Correll, 1942. Six ferns and *Selaginella apoda*.
1956. Moore, J.A. *Silene virginica* in the Gulf States. Rhodora 58:27-29.
[114] Reported by Riddell, 1852, and later by Dormon, 1934, as occurring in Louisiana, but not upheld in Hitchcock and Maguire's revision of North American species of *Silene* (1947). Vouchers from four parishes.
1956. Penfound, W.T. Primary production of vascular aquatic plants. Limnol.
[115] Oceanogr. 1:92-101.
Comparison of primary production in vascular aquatics with that of several terrestrial communities emphasized the high productivity of the former. Data on productivity of water-hyacinth supplied by T.T. Earle from a New Orleans population.
1956. Plakidas, A.G. *Cercospora* leaf spot of *Abelia*. Mycologia 48:382-385.
[116] A parasite of the popular ornamental shrub, *Abelia grandiflora*, is described: *Cercospora abeliae* sp. nov. from Baton Rouge.
1956. Schuster, R.M. Notes on Nearctic Hepaticae X. A study of *Cephaloziella*
[117] *rhizantha*, *C. floridae* and *C. ludoviciana*.
Langlois collected the type of *C. ludoviciana* in 1888 in St. Martinville. Here incorporated in *C. rhizantha*.
1956. Shinnars, L.H. *Euthamia pulverulenta* Greene (Compositae) in southeastern
[118] Louisiana. Field and Lab. 24:38.
1956. Shinnars, L.H. *Forestiera autumnalis* Buckley (Oleaceae) in eastern Texas
[119] and western Louisiana. Southwestern Nat. 1:87-88.
"Though adequately described as long ago as 1863 (*Proc. Acad. Nat. Sci. Phila.* 14(1862):7), from 'Eastern Texas and Western Louisiana', this very distinct species has never been included in any flora or list." New collection from Sabine Parish (sterile material).
1956. Shinnars, L.H. *Hypochoeris glabra* L. (Compositae) in Arkansas and Louisiana.
[120] Southwestern Nat. 1:88.

1956. Shinnery, L.H. *Physostegia serotina* (Labiatae), a new species from coastal
[121] Louisiana and Texas. *Field and Lab.* 24:17-19.
Type from Calcasieu Parish. Key to the eight species of *Physostegia* occurring in the "Gulf Southwest."
1956. Shinnery, L.H. *Tragia smallii* Shinnery, sp. nov. *Field and Lab.* 24:37.
[122] *T. betonicaefolia* sensu Small. Paratype from Vernon Parish.
1956. Shinnery, L.H. Yellow-flowered *Oxalis* (Oxalidaceae) of eastern Texas and
[123] Louisiana. *Field and Lab.* 24:39-40.
"Though often quite weedy, all the *Oxalis* of eastern Texas ... and Louisiana are, in my opinion, undoubtedly native." Three species distinguished; one new variety described.
1956. Sternitzke, H.S. and J.A. Putnam. Forests of the Mississippi Delta. U.S.
[124] Forest Serv., Southern Forest Exp. Sta., Forest Survey Release 78. 42 p.
Brief descriptions of forest types. No map of forest types. *Egler, 1961*.
1956. Ware, G.H. Vegetational zonation on a Red River sand bar near Natchi-
[125] toches [Natchitoches Parish], Louisiana. *Proc. La. Acad. Sci.* 19:21-24.
An obscure aerial view supplements this short discussion of a periodically flooded habitat.
1956. Wilson, H.R. Louisiana bryophytes. *Bryologist* 59:17-21.
[126] Excellent prelude to Koch's more comprehensive Louisiana review published the same year. Wilson includes liverworts and adds a list of some fifty species collected in a baldcypress-tupelo gum swamp in Tangipahoa Parish, of which many are first reports for the state.
1957. Bandoni, R.J. The spores and basidia of *Sirobasidium*. *Mycologia* 49:250-
[127] 255.
Recharacterization of the genus based in part upon a Lowy collection of *S. sanguineum* from near Baton Rouge.
1957. Brown, C.A. Check list of woody plants of Louisiana, native, naturalized,
[128] and cultivated. Baton Rouge, La. Forestry Comm., Bull. No. 8. 16 p.
Pamphlet. Second edition appeared in 1959, 76 p., 71 figs. Fourth edition in 1964 as La. Forestry Comm. Bull. 10. 80 p.
1957. Deiler, F.G. Vegetation management of storage water reservoirs at Garden
[129] Island Bay [Plaquemines Parish]. *Proc. La. Acad. Sci.* 20:24-35.
A massive invasion of vegetation (*Phragmites*, *Typha*, *Zizaniopsis*, *Alternanthera*, *Eichhornia*) and the chemical counterattack documented with excellent tables on species, species aggregations, herbicide treatments and effects. Nutria cited as a natural check on water-hyacinth.

- 1957.*
[130] Dillon, O.W. Food habits of wild ducks in the rice-marsh transition area of Louisiana. Proc. Ann. Conf. Southeast Assoc. Game and Fish Comm. 11: 114-119.
1957.
[131] Glasgow, L.L. and A. Ensminger. A marsh deer "die-off" in Louisiana. J. Wildlife Mgmt. 21:245-247.
Gulf marshes, Vermilion and Iberia Parishes. With information on vegetation types, site types, and extensive vegetation change related to a 1952 salt water inundation. *Egler, 1961*.
1957.
[132] Hardin, J.W. Studies in the Hippocastanaceae, IV. Hybridization in *Aesculus*. Rhodora 59:185-203.
A. glabra X *pavia* has been collected in Bossier Parish.
1957.
[133] James, C.W. Notes on the cleistogamous species of *Polygala* in southeastern United States. Rhodora 59:51-56.
P. polygama forma *obovata* elevated to *P. crenata*, the type collected in New Orleans, Drummond 1832.
1957.
[134] Koch, L.F. Louisiana muscology 2. The herbarium of Tulane University, New Orleans. Brittonia 9:96-71.
Twenty-one taxa are added to the known flora of the state, mostly the collections of Penfound and F.P. Mackanness.
1957.
[135] Lowy, B. A new *Exidia*. Mycologia 49:899-902.
Type from Baton Rouge.
1957.
[136] Rock, H.F.L. A revision of the vernal species of *Helenium* (Compositae). Rhodora 59:101-116, 128-158, 203-216.
Southeastern genus with Louisiana representatives. Drummond and Arsene collections of *H. vernale*, a Joor collection of *H. brevifolium* from Slidell (St. Tammany Parish), 1887, and a Ball collection of *H. flexuosum* from near "Alexander" (Rapides Parish). *H. drummondii* is endemic to Texas-Louisiana coastal plain.
1957.
[137] Shinnars, L.H. *Polygonum bicornes* Raf. instead of *P. longistylum* Small. Rhodora 59:265-267.
"... the much abused Rafinesque ...," "The special condemnation of the *Florula Ludoviciana* ...," "... the lie that the descriptions were scrappy and inadequate has been monotonously repeated by persons who never saw Robin's 3-volume book ..." More than a defense, this is a counterattack.

1957. Shinnery, L.H. *Wahlenbergia marginata* (Thunb.) A. D.C. (Campanulaceae)
[138] in Louisiana. Southwestern Nat. 2:44.
- A single small plant was found on a roadside in Rapides Parish. As Shinnery predicted, it is now a common roadside weed in many parts of the state.
1957. Spears, R.K., Jr. and B. Lowy. Notes on *Tremella* in North America. Proc.
[139] La. Acad. Sci. 20:83-84.
- Of 19 North American species, 10 have been found in Louisiana. History of collections and species list for the state.
1957. Wherry, E.T. Reminiscences of John K. Small. Castanea 22:126-129.
[140]
- Among the memorable anecdotes: Wherry's discovery that Small was color-blind – colonies of bright red clinopodiums or castillejas looked gray to him. Their discovery of the "Louisiana Irises," now internationally celebrated, while waiting for the Lake Pontchartrain ferry-boat to be repaired – they had hoped to be in New Orleans for lunch.
1958. Chabreck, R.H. Beaver-forest relationships in St. Tammany Parish, Louisi-
[141] ana. J. Wildlife Mgmt. 22:179-183.
- Plot sampling along streams occupied by beaver revealed that beaver used 22 woody plant species, (tabulated). *Liquidambar styraciflua*, *Magnolia virginiana*, *Pinus glabra*, and *P. taeda* received the most use. During summer months beaver fed heavily on roots and basal portions of herbaceous plants, esp. *Leersia*. Excellent and intriguing study. Literature cited contains a few related titles for our area.
1958. Clark, L. *Frullania gymnotis* found in the United States. Bryologist 61:67.
[142]
- Three widely separated localities. The Louisiana material was collected in 1926 and reported by Svihla as *F. obcordata* in 1939.
1958. Dormon, C. Flowers native to the deep South. Baton Rouge: Claitor's Book
[143] Store. 176 p.
- Updates nomenclature of *Wild Flowers of Louisiana*, 1942, yet still no authorities cited. 33 color plates (registry often blurred) and 100 excellent line drawings, all by the author. Accurate and with all the fringe benefits of an informal catalogue.
1958. Gleason, H.A. Two new stations for *Carex picta*. Rhodora 60:175.
[144]
- Rare sedge first discovered near New Orleans by Drummond. New stations in Mississippi.
1958. Harris, V.T. and R.H. Chabreck. Some effects of Hurricane Audrey on the
[145] marsh at Marsh Island [Vermilion Parish], Louisiana. Proc. La. Acad. Sci. 21:47-50.
- 5400 foot line transect through a *Spartina patens* – *Scirpus olneyi* marsh. The island lies in Vermilion Bay.

1958. Karling, J.S. *Synchytrium fulgens* Schroeter. *Mycologia* 50:373-375.
 [146] Cook's Louisiana collection: identified as *S. fulgens*, renamed *S. brownii* by Karling in 1954, restored to *S. fulgens*: what one physiologist has superciliously called the Taxologic Cycle.
1958. Lowy, B. Anomalous phalloids. *Mycologia* 50:792-794.
 [147] From Baton Rouge.
1958. Maisenhelder, L.C. Understory plants of bottomland forests. U.S. Forest
 [148] Serv., Southern Forest Exp. Sta., Occ. Pap. 165. 40 p.
 Thirty-six plants identified and illustrated with rather washed-out photographs. Especially for the Mississippi delta.
1958. Ownbey, G. Monograph of the genus *Argemone* for North America and the
 [149] West Indies. Torrey Botan. Club Mem. 21(1):1-159.
 Identity of Rafinesque's *A. alba* from Louisiana, pp. 138-140. For earlier discussion of same, see Prain, D., 1895, "An account of the genus *Argemone*," *J. Botan.* 33:330.
1958. Pursell, R.A. Discovery of *Solmsiella kurzii* in Louisiana. *Bryologist* 61:366-
 [150] 367.
 On *Magnolia grandiflora*, Weeks Island (salt dome), Iberia Parish. The first collection of this minute, allegedly rare, liverwort-like moss outside the type locality in Florida.
1958. Shinnars, L.H. *Carduus nutans* L. (Compositae), a European thistle in north-
 [151] western Louisiana. *Southwestern Nat.* 3:220.
1958. Welden, A.L. Prodrum fungi ludoviciana. *J. Tenn. Acad. Sci.* 33:252-257.
 [152] Ten species of resupinate Homobasidiomycetes classed within the Thelephoraceae from lower Louisiana. Emphasis is on microscopic characters which, at that date, had only recently gained ascendancy over gross morphology as an index of true relationships. Several new records for the state. One figure.
1958. Wood, C.E., Jr. The genera of the woody Ranales in the southeastern United
 [153] States. *J. Arnold Arboretum* 39:296-346.
 This is both the introduction and the first contribution to a projected generic study of the seed plants of the Southeast (bounded by and including Arkansas and Louisiana on the west). "... the objectives are toward a review and reorganization of familial and generic lines ... and, especially, toward bringing together at least a part of the vast botanical literature which bears upon the plants of this rich area." We will not pursue the project through this bibliography but we do alert the reader to its existence and great usefulness.
1959. Bick, G.H. Contributions of Edward Foster to the biology of Louisiana. *Proc.*
 [154] *La. Acad. Sci.* 22:8-17.

Foster's wide range of interests included microcrustaceans, insects, coins and medals, and, for our purposes, horticulture. Louisiana Society of Naturalists was organized in 1897 and Louisiana Entomological Society in 1920, both as a result of his efforts. Interesting tidbits about his friend, R.S. Cocks.

1959. Chamberlain, J.L. Gulf Coast marsh vegetation as food of wintering water
[155] fowl. *J. Wildlife Mgmt.* 23:97-102.
- Marsh food utilization, based on 1251 gizzard analyses, involving relative abundance of 24 plants, plus 25 others. Rockefeller Wildlife Refuge (Cameron Parish) of 86,000 acres. *Egler, 1961.*
1959. Humm, H.J. and R.M. Darnell. A collection of marine algae from the
[156] Chandeleur Islands [St. Bernard Parish]. Univ. of Tex., Publ. Inst. Mar. Sci. 6:265-276.
- St. Bernard Parish. Annotated list of 35 species and discussion of ecological and phytogeographic relations. Maps, table, and diagram of relative abundance in littoral zone.
1959. Kimble, R.B. and A. Ensminger. Duck food habits in southwestern Louisi-
[157] ana marshes following a hurricane. *J. Wildlife Mgmt.* 23:453-455.
- Comparison of the results of this study after with a similar study before the hurricane (Chamberlain, 1959) indicates a great difference in the food eaten by ducks. Description of gross hurricane damage to vegetation amplifies conclusions drawn from duck gizzards.
1959. Lowy, B. and A.L. Welden. Synopsis of Louisiana polypores. *Amer.*
[158] *Midl. Nat.* 61:329-349.
- Survey of polypores reported from the literature (Featherman and Langlois especially) and from authors' collections. Keys to genera and species, annotations and photographs of the more interesting species.
1959. Lytle, S.A., B.E. Grafton, A. Ritchie, and H.L. Hill. Soil survey of St. Mary
[159] Parish, Louisiana. U.S. Dept. Agr., Soil Conserv. Serv. Soil Survey 1952(3). 45 p.
- An ongoing, county by county, national undertaking, indexed as Supt. of Documents No. A 57.38, and then alphabetically by county (or parish). Essential ecological data, maps and tables.
1959. Mullahy, J.H. Preliminary survey of the algal flora of the Chandeleur Islands
[160] [St. Bernard Parish]. *Proc. La. Acad. Sci.* 22:62-68.
- A group of barrier islands protecting the southeastern marshlands of St. Bernard Parish. Twenty-seven species of green, brown, and red algae were collected, indicating that the islands may well contain Louisiana's best growth of marine algae. Good, compact bibliography. Author's abstract, "The algal flora of the Chandeleur Islands of Louisiana," appeared the same year in *Internat. Botan. Congr. Proc.* 9(2):275.
- 1959.* Nelson, I.S. Louisiana irises. *In* L.F. Randolph, *ed.* Garden irises. pp.
[161] 227-235. Ithaca, New York.

1959. Reese, W.D. *Syrrophodon parasiticus* in the southern United States. Bryologist 62:182-186.
[162]
New state reports for Alabama, Mississippi and Louisiana.
1960. Blair, R.M. Deer forage increased by thinning in a Louisiana loblolly pine
[163] plantation. J. Wildlife Mgmt. 24:401-405.
Quantitative analysis of herbaceous and woody forage and palatable browse proved production of understory vegetation was directly related to pine-thinning intensity. Application of course to the millions of acres in the south shared by deer and loblolly pine.
- 1960.* Harmon, B.G., C.H. Thomas, and L.L. Glasgow. Waterfowl foods in Lou-
[164] isiana rice fields. North Amer. Wildlife Conf. Trans. 25:153-161.
1960. Kubota, J., V.A. Lazar, and K.C. Beeson. The study of cobalt status of soils
[165] in Arkansas and Louisiana using the black gum as the indicator plant. Proc. Soil Sci. Soc. Amer. 24:527-528.
Nyssa sylvatica is a cobalt accumulator. *Biol. Abst.*
1960. Plakidas, A.G. Angular leaf spot of *Magnolia*. Mycologia 52:255-259.
[166]
Disease and pathogen (*Isariopsis magnoliae*) newly described, on *M. grandiflora* from Folsom (St. Tammany Parish), Louisiana. (Later reduced to synonymy under *Cercospora magnoliae*, *Mycologia* 54:448-454).
1960. Reese, W.D. *Psilotum* in Louisiana. Amer. Fern J. 50:269-270.
[167]
1960. Shinnars, L.H. *Ranunculus trilobus* (Ranunculaceae) in southern Louisiana:
[168] new to the United States. Southwestern Nat. 5:170.
1960. Welden, A.L. The genus *Cymatoderma* (Thelephoraceae) in the Americas.
[169] Mycologia 52:856-876.
The author resides in New Orleans, and many Louisiana citations document the study of this tropical and sub-tropical group.
1960. Welden, A.L. Prodrum fungorum ludovicianorum II. J. Tenn. Acad. Sci.
[170] 35:231-237.
Eight of the ten species reported as new records for the state.
1961. Crum, H. and L.E. Anderson. A new *Fissidens* from Louisiana. Bryologist
[171] 64:345-348.
F. kochii n. sp., Sarpy Wildlife Refuge, St. Charles Parish, about 15 miles northwest of New Orleans – a favorite haunt for Tulane botanists and zoologists. Four figures.

1961. Darnell, R.M. Trophic spectrum of an estuarine community, based on studies
[172] of Lake Pontchartrain, Louisiana. *Ecology* 42:553-568.
Sources of primary organic matter, both autochthonous and allochthonous, include bacteria, phytoplankton, submerged and marsh vegetation.
1961. Dean, B.E. Trees and shrubs in the heart of Dixie. Birmingham. 246 p.
[173] This field guide may be the most engaging blend of the sacred and profane on the botanist's book shelf. 430 species are described, annotated, and illustrated with line drawings. Supplemental illustrations are many and range from useful photographs of living plants and herbarium specimens to a series of rather odd, unforgettable color plates, evidently the paintings of the illustrator, Forrest Bonner. His persimmons and pomegranates seem excerpted from a Cezanne still life, and the trumpet vine has the charm of a Matisse. Roland Harper aided with identification of some of the specimens and as a general fund of information to the author.
1961. Dukes, G.H., Jr. Some tertiary fossil woods of Louisiana and Mississippi.
[174] [Abstract.] *Amer. J. Botan.* 48:540.
Collections of petrified wood made in Vernon, Sabine, and De Soto parishes. Four new species reported from the Louisiana material (not enumerated in the abstract).
- 1961.* Eggler, W.A. Vegetation of the drainage basin of Grand Bayou Blue. *In* R.J.
[175] Russell, *ed.*, Louisiana coastal marsh ecology. pp. 1-23. La. State Univ., Coastal Stud. Inst., Tech. Rep. No. 14.
1961. Eggler, W.A. and W.G. Moore. The vegetation of Lake Chicot [Evangeline
[176] Parish], Louisiana, after eighteen years of impoundment. *Southwestern Nat.* 6:175-183.
Comparison made to Penfound's study of the lake (1949) just following impoundment.
1961. Egler, F.E. Cartographic guide to selected regional vegetational literature. —
[177] Where plant communities have been described. Part II. Southeastern United States. *Sarracenia* 6:1-87.
Annotated Louisiana bibliography and accompanying map, pp. 75-81, which have been of great service to this and to Ewan's original bibliography.
- 1961.* Halls, L.K. and T.H. Ripley, eds. Deer browse plants of southern forests.
[178] U.S Forest Serv., Southern and Southeastern Forest Exp. Sta. 78 p.
Illustrated guide to identification of about 35 species or species groups, with some information on forage value and management. Accounts of the individual species were prepared by authorities from all parts of the South. *Punch*, 1962.
- 1961.* Hoffpauir, C.M. Methods of measuring and determining the effects of marsh
[179] fires. *Proc. Ann. Conf. Southeast. Assoc. Game and Fish Comm.* 15:142-160.

1961. Koch, L.F. Louisiana hepaticology. 1. A list of species. *Bryologist* 64:54-57.
 [180] Brief historical sketch precedes list of hepatics: Faith Pennebaker Mackaness, collector and curator, most important contributor to Louisiana hepaticology to date. (Koch worked mostly with collections at Tulane).
1961. Lemaire, R.J. A preliminary annotated checklist of the vascular plants of the
 [181] Chandeleur and adjacent islands, St. Bernard and Plaquemines Parishes, Louisiana. *Proc. La. Acad. Sci.* 24:116-122.
 The Chandeleurs are the easternmost remnants of an abandoned delta of the Mississippi River. 119 species, 93 genera, 39 families.
1961. Lemaire, R.J. A preliminary annotated checklist of the vascular plants of the
 [182] marshes and included higher lands of St. Bernard Parish, Louisiana. *Proc. La. Acad. Sci.* 24:56-70.
 In extreme southeastern Louisiana: more than 90% of the 617 square miles of land area of the parish is marsh. 280 species, 212 genera, 85 families. Habitat and abundance annotations.
1961. Lemaire, R.J. A range extension for *Parapholis incurva*. *Rhodora* 63:176-
 [183] 177.
 Freemason Island, St. Bernard Parish: a first record of this European grass on the Gulf Coast.
1961. Negus, N.C., E. Gould, and R.K. Chipman. Ecology of the rice rat, *Oryzomys palustris* (Harlan), on Breton Island [St. Bernard Parish], Gulf of Mexico, with a critique of the social stress theory. *Tulane Stud. Zool.* 8:93-123.
 [184] Island divided into five areas based on vegetational zonation. Description of Breton Island, pp. 95-98. Food habits, p. 109. Two photos, *Fimbristylis* and *Opuntia-Yucca* communities.
1961. Randolph, L.F., J. Mitra, and I.S. Nelson. Cytotaxonomic studies of Louisiana irises. *Botan. Gaz.* 123:125-133.
 [185] Karyotype analyses of *I. fulva*, *I. giganticaerulea*, *I. brevicaulis*, the Abbeville Red population, and natural hybrids gave no evidence in support of Edgar Anderson's assumption of introgressive hybridization. See Randolph, 1966 and 1967.
1961. Reese, W.D. A contribution to the bryology of the southern United States. *Bryologist* 64:50-54.
 [186] Range extensions on the Gulf Coast for ten species of mosses, six representing new state records for Louisiana. Brief description, including noteworthy ferns and angiosperms, of Week's Island (Iberia Parish), one of the coast salt domes and the locality for three of the new mosses.
1961. Russell, N.H. Keys to Louisiana violets (*Viola*—Violaceae). *Southwestern Nat.* 6:184-186.
 [187] Two keys: spring (flowering) and summer (vegetative). Sixteen species.

1962. Daubs, E.H. The occurrence of *Spirodella oligorrhiza* in the United States.
[188] *Rhodora* 64:83-85.
New collections of this Asiatic aquatic from widely separated areas include two in Louisiana. New to the state.
1962. Glasgow, L.L. and H.A. Junca. Mallard foods in southwest Louisiana. *Proc.*
[189] *La. Acad. Sci.* 25:63-74.
The most important wild water fowl in the northern hemisphere. Grasses prove first in importance to mallards as well as to man. Four tables give exhaustive lists of plant materials, identified to species, taken from mallard crops. Related titles cited.
1962. Harrar, E.S. and J.G. Harrar. Guide to southern trees. New York, 709 p.
[190]
Dover reprint of the original 1946 publication with updated nomenclature. Ungenerously illustrated and of minimal usefulness for difficult genera like oaks and hickories. Clair Brown supplied the authors with "botanical materials" from our region.
- 1962.* Harris, V.T. and F. Webert. Nutria feeding activity and its effect on marsh
[191] vegetation in southwestern Louisiana. U.S. Dept. Interior, Fish and Wildlife Serv., Spec. Sci. Rep. — Wildlife No. 64. 53 p.
Supt. of Documents No. I 49.15/3:64.
1962. Hodges, C.S. Fungi isolated from southern forest tree nursery soils. *Mycologia* 54:221-229.
[192]
45 fungi documented from Louisiana soils, the majority imperfects. *Gonytrichum macrocladium* a new record from soil in the U.S.
- 1962.* Jemison, E.S. and R.H. Chabreck. The availability of water fowl foods in
[193] coastal marsh impoundments in Louisiana. North Amer. Wildlife Conf. Trans. 27:1-19.
1962. Nelson, I.S. Native Louisiana irises. *Plants and Garden* 18(1):62-63.
[194] *I. fulva*, *I. brevicaulis*, *I. giganticaerulea*, and their hybrids: culture, morphology, and breeding. *Biol. Abst.*
1962. Oliver, R.L. and W.H. Lewis. Chromosome numbers of *Sisyrinchium* (Iridaeae)
[195] in eastern North America. *Sida* 1:43-48.
Vouchers for *S. albidum* Raf., *S. sagittiferum* Bickn., and *S. bermudiana* L. from Louisiana. We need all the help we can get with this genus!
1962. Penn, G.H. Percy Viosca Jr. — Naturalist. *Tulane Stud. Zool.* 9:234-237.
[196]

"... one of the last of America's great naturalists ... Viosca was an authority on the wild flowers of Louisiana, particularly the ecology and hybridization of irises ... In 1935 he publishes a lengthy article straightening out the taxonomic jumble in which hitherto a multitude of species had been described in Louisiana. After years of crossbreeding and countless observations in the wetlands his deduction that there were only four species of Louisiana irises was surprising, but remains undisputed by taxonomic botanists."

1962. Penn, G.H. Bibliography of studies by P. Viosca, Jr. *Tulane Stud. Zool.*
[197] 9:239-242.
A chain of publications from 1915 to 1961 leaving no doubt that this was a naturalist of extraordinary scope.
1962. Perdue, R.E., Jr., Two new varieties and a new combination in *Rudbeckia*,
[198] *Rhodora* 64:328-329.
R. nuda Nutt. var. *texana* Perdue var. nov. restricted to southeastern Texas and western Louisiana.
1962. Punch, L.E. Publications of the Southern Forest Experimental Station, 1955
[199] through 1961. U.S. Forest Serv., Southern Forest Exp. Sta., Occ. Pap. 108 (Supplement 1). 57 p.
This list supplements the 1955 revision of Occ. Pap. 108 [Item 94]. Supplement 2, 1962 through 1970, appeared in 1971. Publications from 1971 to present appear in annual lists. All entries are accompanied by brief abstracts, and, again, many excellent papers are available on request to the S.F.E.S. in New Orleans.
1962. Shinnars, L.H. Annual sisyrinchiums (Iridaceae) in the United States. *Sida*
[200] 1:32-42.
The major area for all three species is in eastern Texas and Louisiana. Doubtful or excluded names: *S. brownii* Small, named in honor of Prof. Clair A. Brown of Louisiana State University, equals *S. exile* Bicknell. Many Louisiana collections cited for all species and one hybrid.
1962. Shinnars, L.H. *Drosera* (Droseraceae) in the southeastern United States: an
[201] interim report. *Sida* 1:53-59.
Field observations in Louisiana and neighboring states. Collections from the state cited for *D. capillaris* Poirlet, *D. annua* E.L. Reed, and *D. leucantha* Shinnars, sp. nov. Contends with Carroll E. Wood, Jr. over recognition of *D. annua*.
1962. Shinnars, L.H. Evolution of the Gray's and Small's *Manual* ranges. *Sida*
[202] 1:1-31.
"Perhaps the first thing that strikes one about the historical record is the abundance of authors and floras in the North, and their paucity in the South – and the further strange fact that all three authors of Southern floras came from the North ... Plainly the reasons are not botanical." (The author, by the way, is Canadian). This brilliant and intriguing historical synopsis of botany in the North and South is required reading. And there are predictions for the future, too. Regrettably, one of Shinnars's works-in-hand, a flora of the Gulf Southwest, which was to include Louisiana west of the Mississippi, never saw the light of publication.

1962. Shinnars, L.H. *Micromeria brownei* and its allies (Labiatae). Sida 1:94-97.
 [203] *M. brownei* var. *pilosiuscula* Gray. Collection from St. Bernard Parish, Louisiana, examined.
1962. Shinnars, L.H. *Ranunculus trachycarpus* (Ranunculaceae) in south central
 [204] Louisiana: new to North America. Sida 1:104-105.
1962. Shinnars, L.H. *Siphonychia* transferred to *Paronychia* (Caryophyllaceae).
 [205] Sida 1:101-103.
P. drummondii T. & G. added to Louisiana flora.
1962. Shinnars, L.H. Synopsis of *Collinsonia* (Labiatae). Sida 1:76-83.
 [206] What Briquet and Rafinesque have done, Shinnars has undone, and restored *Collinsonia* to its pre-1897 limits. Louisiana collections cited for *C. serotina* Walter and *C. tuberosa* Michaux.
- 1962.* Simmons, E.G. and W.H. Thomas. Phytoplankton of the eastern Mississippi
 [207] delta. Univ. Tex., Publ. Inst. Mar. Sci. 8:269.
1963. Ewan, J. Riddell's place in the phytography of Louisiana. [Abstract.] Amer.
 [208] J. Botan. 50:634.
 Systematic botanist, 1807-1865.
- 1963.* Linnartz, N.E. Relation of soil and topographic characteristics to site quality
 [209] for southern pines in the Florida parishes of Louisiana. J. Forestry 61(6):434-438.
 Loblolly, slash, and longleaf pines and their preferred soils. Depth to least permeable layer in soil profile, percent sand, drainage, pH, and slope are the variables that prove most significant in relation to "site index." *Biol. Abst.*
1963. Logan, L.A. A list of seed plants of Lincoln Parish, Louisiana. Proc. La.
 [210] Acad. Sci. 26:18-32.
 The parish lies in the shortleaf pine uplands of north central Louisiana. Background plus bare list: 381 genera in 114 families.
- 1963.* McGinn, L.R. and L.L. Glasgow. Loss of waterfowl foods in rice fields in
 [211] southwest Louisiana. Proc. Ann. Conf. Southeast Assoc. Game and Fish Comm. 17:30-34.
1963. Owens, A.G., Jr. and S. Riche. *Monanthochloe littoralis* (Gramineae) in
 [212] Louisiana. Sida 1:182.

1963. Richardson, A.L. Some monocotyledonous plants of East Baton Rouge Parish. Proc. La. Acad. Sci. 26:9-15.
[213] Twenty-three species listed (grasses, sedges, rushes excluded) with full annotations.
1963. Shiflet, T.N. Major ecological factors controlling plant communities in Louisiana. J. Range Mgmt. 16(5):231-235.
[214] Salinity of the free soil water and fluctuating water levels are the major factors that control plant communities in Louisiana's four and one-half million acres of marshlands. "All flesh is grass," is the text emphasized; manipulation of salinity and water levels to change plant composition to better fit a range livestock enterprise.
1963. Shinnars, L.H. Southeastern records of *Stachys affinis* (*S. sieboldii*) and *S. floridana* (Labiatae). Castanea 28:44-46.
[215] *S. floridana* is added to the flora of Louisiana by a specimen from Orleans Parish. Now (1977) a fairly common weed in gardens here in New Orleans. Perennial with white, moniliform tubers – very striking.
1963. Solymosy, S.L. Plants of the U.S.L. "In-Use" Arboretum. Lafayette. 40 p.
[216] Plant list is coded to map of U.S.L. campus, the "In-use" Arboretum.
1964. Barrett, E.R. Variations of summer fungi in soil areas in northeast Louisiana. Proc. La. Acad. Sci. 27:53-58.
[217] Variations are quantitative, the only taxonomic distinction being Agaricales vs. Polyporales. Four general soil areas investigated: Coastal Plain, Mississippi Terrace and Loessial Hills, Flatwoods, Recent Alluvium; their distribution clearly mapped.
- 196 Crum H. and L.E. Anderson. Notes on *Physcomitrium collenchymatum*.
[218] Bryologist 67:350-355.
Several collections of Mackaness née Pennebaker, Mackaness, Koch, and Reese firmly enlist this little moss in the state flora.
1964. Gagliano, S.M. An archaeological survey of Avery Island [Iberia Parish]. La. State Univ., Coastal Stud. Inst. 76 p.
[219] An evaluation of the extent of prehistoric occupation of this coast salt dome. Botanical material is slim, but discussion of geological conditions, past and present, has bearing on local phyto-geography.
1964. Johnston, M.C. *Scirpus molestus* (Cyperaceae), sp. nov. from Arkansas, Louisiana, and Texas. Southwestern Nat. 9:310-312.
[220] Previously mistaken for *S. koilolepis*, the type of which was collected in New Orleans.
1964. Lowy, B. *Pisolithus* in Louisiana. Mycologia 56:319.
[221] Infrequently reported from North America, *P. tinctorius* is in fact one of the commoner Gasteromycetes of our region.

1964. [222] Radford, A.E., H.E. Ahles, and C.R. Bell. Manual of the vascular flora of the Carolinas. Chapel Hill. 1183 p.
- Much overlap naturally exists between the Carolina flora and ours, and, despite the fact that Louisiana fails to qualify as one of the "eight of the southeastern states outside the Carolinas" for purposes of range citations, the book is nonetheless possibly the most useful single up-to-date volume for our area in terms of coverage and cost. It is currently used at L.S.U. as text for the introductory plant taxonomy course. A good many taxa are illustrated with excellent line drawings. Keys are artificial and highly serviceable.
1964. [223] Reese, W.D. Notes on Louisiana mosses. *Bryologist* 67:206-209.
- Part one of at least six entries (1964, '65, '67, '69, '72, '74); *Bryologist* 68:243-245, 70:124-125, 72:68-69, 75:95-97, 77:467-468. Additions and adjustments to the roster of Louisiana mosses, including many range extensions to the author's original state records.
1964. [224] Richardson, A.L. A botanical report of some Archichlamydeae of East Baton Rouge Parish. *Proc. La. Acad. Sci.* 27:21-39.
- 173 species in 97 genera and 31 families. Arrangement of families follows Engler and Prantl through the Umbelliferae. Full annotations.
1964. [225] Shinnery, L.H. *Scutellaria thieretii* (Labiatae), a new species from coastal Louisiana. *Sida* 1:251-252.
- Sp. nov. Holotype from Vermilion Parish; also collected from Cameron Parish. Shinnery, a splitter, named this new skullcap for "an energetic and productive collector."
1964. [226] Shinnery, L.H. Two youngias ("Crepis japonica": Compositae) introduced in the southeastern United States. *Sida* 1:386-388.
- First reported from U.S. in Small's *Manual* as *Crepis* from only southern Louisiana. Several collections cited from the state for *Y. japonica* (L.) DC.
1964. [227] Thieret, J.W. Additions to the flora of Louisiana. *Castanea* 28:169-170. "1963"
- Nine new species.
1964. [228] Thieret, J.W. *Fatoua villosa* (Moraceae) in Louisiana: new to North America. *Sida* 1:248.
- From southeast Asia. First U.S. collection is not from Lafayette, however, but most likely New Orleans: G.P. DeWolf s.n. 11 Oct. 1950, Tulane Campus (NO). By 1977 a common garden weed in Lafayette and New Orleans, and how very unlike a mulberry!
1964. [229] Thieret, J.W. *Lysimachia japonica* (Primulaceae) and *Clinopodium gracile* (Labiatae) in Louisiana: new to the United States. *Sida* 1:249-250.

1964. Thieret, J.W. More additions to the Louisiana flora. *Sida* 1:294-295.
 [230] Ten state records, including three *Cyperus* spp.
1965. Dorman, C. Natives preferred. Baton Rouge: Claitor's Book Store. 217 p.
 [231] Native trees and flowers of the southeast, where they can and cannot be grown. Author, herself a Louisiana native, tempers her enthusiasm with a caution to "diggin' women and men" against immoderate and indiscriminate transplanting.
1965. Ewan, J. French naturalists in the Mississippi Valley. In J.F. McDermott. The
 [231A] French in the Mississippi Valley. pp. 159-174. Urbana.
 Brothers Louis and Jean Prat, Le Page du Pratz, Joseph Lakanal, etc., and their La. travels noticed.
1965. Ewan, J., ed., Letters from Charles Sprague Sargent to Reginald Somers
 [231B] Cocks, 1908-1926. *J. Arnold Arboretum* 46:1-44, 122-159, 324-361, 411-444.
 Sargent wrote to Cocks in 1911, from the Arnold Arboretum, "To show how poor we are in Louisiana plants I could not find this morning a Louisiana specimen of *Liquidambar* in our herbarium." Most fascinating are Sargent's struggles with collections (and taxonomy) of the tougher genera: willows, hawthorns, plums, oaks, basswoods, hickories. Reprinted as separate with change of paging the same year.
1965. Lemmon, B.E. Notes on a recent collection of *Fissidens neonii*, *Bryologist*
 [232] 68:325-331.
 One of very few Louisiana endemics. The first reappearance of this moss since the original collection by Brother Neon in 1931 near Lafayette, which E.B. Bartram (1932) described as *Moenkemeyera*. Eleven figures.
- 1965.* Livingstone, R., Jr. A preliminary bibliography with KWIC index on the
 [233] ecology of estuaries and coastal areas of the Eastern United States. U.S. Dept. Interior, Fish and Wildlife Serv., Spec. Sci. Rep. - Fisheries No. 507. 352 p.
 Supt. of Documents No. I 49.15/2:507.
1965. Lowy, B. and W.B. Cooke. The 1960 Louisiana foray. *Mycologia* 57:478-483.
 [234] A good harvest for the Mycological Society of America: Myxomycetes, Ascomycetes, Basidiomycetes, and Fungi Imperfecti identified from 7 collecting localities near Baton Rouge. One new genus, *Gliocephalotrichum*, was described from the Tunica Hills area, West Feliciana Parish.
1965. Reese, W.D. and B.E. Lemmon. A natural hybrid between *Weissia* and
 [235] *Astomum* and notes on the nomenclature of the North American species of *Astomum*. *Bryologist* 68:277-283.
W. controversa X *A. ludovicianum*, in southern Louisiana.

1965. [236] Rougeou, C.L. A tribute to Professor Ira S. Nelson. *La. Soc. Hort. Res. Monthly News Letter* 6(12):54-56.
Professor of Horticulture at University of Southwestern Louisiana, who brought many new and rare species into cultivation, is remembered both as teacher and horticulturalist.
1965. [237] Solymosy, S.L. *Limnophila indica* (R.Br.) Druce (Scrophulariaceae) in Louisiana. *Sida* 2:175.
1965. [238] Sternitzke, H.S. Louisiana forests. U.S. Forest Serv., Resource Bull. SO-7. 31 p.
Volume in growing stock (trees at least 5 inches in diameter) has risen 43 percent for softwood and declined 20 percent for hardwood since the midfifties. Of value not for its botany, for it is pure and unregenerate forestry, but as a comprehensive state survey loaded with tabular data, it does allow botanists an intimate look at foresters' activities without our having to wire-tap.
1966. [239] Banks, D.J. *Paspalum minus* (Gramineae) in Louisiana and Mississippi. *Rhodora* 68:94-96.
New locations bridge the gap between Texas and Alabama stations. Diploid race indicated by new chromosome counts, $n=10$.
1966. [240] Grelen, H.E. and V. Duvall. Common plants of longleaf pine – bluestem range. U.S. Forest Serv., Southern Forest Exp. Sta., Res. Pap. SO-23. 96 p.
Descriptions and excellent botanical drawings of more than 80 understory species: *Andropogon* and *Panicum*, legumes and composites are the dominants. Notes on values for cattle and wildlife. An elegant field guide.
1966. [241] Kral, R. Eriocaulaceae of continental North America north of Mexico. *Sida* 2:285-332.
Tropical American family with outliers in southeastern U.S. *Eriocaulon decangulare*, *E. texense*, *E. compressum*, *Lachnocaulon anceps* on record for Louisiana, and others so close as to be suspected.
1966. [242] Kral, R. *Juncus capitatus* Weigel (Juncaceae) in Louisiana: new to the United States. *Sida* 2:390-392.
But see *Sida* 2:436 – “*Juncus capitatus* (Juncaceae) previously reported from the United States,” for corrections.
1966. [243] Kral, R. Observations on the flora of the southeastern United States with special reference to northern Louisiana. *Sida* 2:395-408.
Emphasis on northern woodland elements. Approximately a dozen species new to the state may be sifted from a longer list, but almost all entries represent range extensions and elucidations.

1966. Kral, R. *Xyris* (Xyridaceae) of the continental United States and Canada.
[244] *Sida* 2:177-260.
A difficult genus of the Gulf and Atlantic Coastal Plains with about half of some twenty species native to the state. Many of the author's voucher specimens for another smears collected in Louisiana. Generously illustrated.
1966. Lemmon, B.A. An ecological and floristic study of the mosses of Lafayette
[245] Parish. *Proc. La. Acad. Sci.* 29:23-36.
Annotated checklist includes 91 taxa, of which 45 are reported as "firsts" for the parish. Four bryological habitats and their mosses described. Study based on collections of Brother Neon, William D. Reese, Correll and Correll, and the author.
1966. Lemmon, B.E. *Fissidens hyalinus* in Louisiana. *Bryologist* 69:241-243.
[246] Disjunct in Japan and eastern U.S. New to the state. One figure.
1966. Maples, R.S., Jr. and D.D. Lutes. A checklist of ferns in Lincoln Parish,
[247] Louisiana. *Amer. Fern. J.* 56:33-36.
16 species, 6 parish records. Annotations.
1966. Moore, W.G. Central Gulf States and the Mississippi Embayment. *In* David
[248] G. Frey, *ed.*, *Limnology in North America*. pp. 287-300. Madison, Milwaukee, and London. 734 p.
Arkansas, Louisiana, Mississippi, and Alabama, with emphasis on our area with its rich and varied network of inland waters. Vital background for students of aquatic botany. Map of major drainage systems, p. 289. Extensive references.
1966. Randolph, L.F. *Iris nelsonii*, a new species of Louisiana iris of hybrid origin.
[249] *Baileya* 14:143-169.
Known locally as the Abbeville Reds, the assumed parental species of this stable hybrid are *I. fulva* and *I. giganticaerulea*. In-depth cytogenetic and morphological analysis with discussion of hybridization and introgression. Excellent photographs of plants and habitats.
1966. Reese, W.D. *Barbella pendula* (Sull.) Fleisch., a review of its distribution and
[250] comments on related species. *Bryologist* 69:208-213.
Type locality Lafourche Parish. Occurring in China and Japan, Mexico and in the United States only in Louisiana where it was first collected by Riddell. W.S. Sullivant described it as *Meteorium* in 1856 in ed. 2 of Gray's *Manual*. Two figures.
1966. Rickett, H.W. Wildflowers of the United States. II. The southeastern states.
[251] 2 vols. New York. 688 p.
241 folio-size, color plates (each with 6 or 7 separate photos) and numerous text figures make this the most sumptuous of modern wildflower picture books. Woody plants excluded, but many obscure herbs normally passed over are admitted and illustrated. Clair Brown is among the collaborators.

1966. Society for Louisiana Irises. 25th anniversary publication. Lafayette. 51 pp.
[251A] Reminiscence of John K. Small, a tribute to Ira S. Nelson, and Caroline Dorman's History of the Louisiana Iris make this a valuable botanical contribution.
1966. Solymosy, S.L. Poisonous plants. La. Soc. Hort. Res. Monthly News Letter
[252] 7(3):1-22.
Annotated, well-informed list of both native and cultivated plants from our area. As herbarium curators know well, public inquiries on this subject generally outnumber all others.
1966. Stuckey, R.L. The distribution of *Rorippa sylvestris* (Cruciferae) in North
[253] America. Sida 2:361-376.
Evidence for an introduced status includes two Louisiana collections of 1885: W.B. Waite's from Orleans Parish (US) and A.B. Langlois' from Plaquemines Parish (MICH).
1966. Stuckey, R.L. *Rorippa walteri* and *R. obtusa* synonyms of *R. teres* (Crucifer-
[254] ae). Sida 2:409-418.
Other synonyms include *Nasturtium micropetalum* Fischer and Meyer and *N. obtusum* Nuttall, holotypes from in and near New Orleans. Photograph of a portion of the latter, from Philadelphia Academy Herbarium. Information on Henry Little, its obscure collector, is scant.
1966. Thieret, J.W. Additions to the Louisiana flora. Sida 2:264-265.
[255] Ten species towards a projected Louisiana Flora.
1966. Thieret, J.W. Habit variation in *Myrica pensylvanica* and *M. cerifera*. Casta-
[256] nea 31:183-185.
Habit variation within *M. cerifera* – *M. pusilla* complex studied in Louisiana is a response to habitat and taxonomically of little significance. Specific distinction between them is untenable.
1967. Bamforth, S.S. A microbial comparison of two forest soils of southeastern
[257] Louisiana. Proc. La. Acad. Sci. 30:7-16.
A pine forest on the Prairie Terrace near Hickory (St. Tammany Parish) vs. a Delta hardwood bottomland forest south of New Orleans. Soils examined for bacteria, fungi, and protozoa. Two tables.
1967. Boudreaux, B.H. In Memoriam: Percy Viosca, Jr., 1892-1961. Proc. La.
[258] Acad. Sci. 30:5-6.
See also Penn's tribute of 1962, from which much of the information here was taken.
1967. Delahoussaye, A.J. and J.W. Thieret. *Cyperus* subgenus *Kyllinga* (Cypera-
[259] ceae) in the continental United States. Sida 3:128-136.
Three of the four spp. Louisiana residents. Illustrations of achenes and spikelets, not habit; distribution maps, limited synonymy, and species descriptions. Key to subgenera or distinctive features of *Kyllinga* would have hastened our focus.

1967. Duncan, W.H. Woody vines of the southeastern United States. *Sida* 3:1-76.
 [260] Twenty-nine genera treated, 21 occurring in the state. Physical map of study area, distribution maps, excellent drawings, keys, and species descriptions for large genera. NO and LAF material examined.
1967. Ewan, J. Introduction to C.S. Rafinesque, *Florula ludoviciana* (1817). *Classica Botanica Americana* 5:i-xl. New York and London.
 [261] Introduction of historical and taxonomic interest and is, like Shinner's article of 1957, sympathetic to the man for whom "much maligned" has become a permanent epithet.
1967. Hutto, J. and R.D. Thomas. *Hottonia inflata* (Primulaceae) in Ouachita Parish, Louisiana. *Sida* 3:187.
 [262] A second location for the state.
1967. Pinkava, D.J. Biosystematic study of *Berlandiera* (Compositae). *Brittonia* 19:285-298.
 [263] *B. X betonicifolia* (Hook.) Small (pro. sp.) = *B. pumila* X *texana* to the east and west of our area, respectively. Drummond collected the type in New Orleans in 1833.
1967. Radford, A.E., C.R. Bell, J.W. Hardin, and R.L. Wilbur. Contributor's guide for the "Vascular flora of the southeastern United States." Chapel Hill, North Carolina. 20 p.
 [264] A floristic manual to the forested region of the southeastern U.S., the work of some 50 contributors, was projected for publication by 1975. Individual contributions have appeared in the periodical literature while awaiting incorporation into the *Manual*. For example, *J. Elisha Mitchell Soc.* (1971 & '72) carried Hardin's "Studies of the Southeastern U.S. Flora" I, II, and III (87:39-50; 88:30-32), which provides keys, nomenclature and distribution to the Betulaceae, gymnosperms, Magnoliaceae and Illiciaceae.
1967. Randolph, L.F., I.S. Nelson, and R.L. Plaisted. Negative evidence of introgression affecting the stability of Louisiana iris species. *Cornell Univ., Agr. Exp. Sta., Memoir* 398. 56 p.
 [265] More information is brought to bear on Anderson's treatise of introgressive hybridization (1949), with comparisons of allopatric and sympatric populations of three species and three groups of natural hybrids. See also Randolph, 1966.
1967. Reese, W.D. The discovery of *Tortula vectensis* in North America. *Bryologist* 70:112-114.
 [266] A moss whose total known range is southern Louisiana and the Isle of Wight, England! Three figures.
1967. Reese, W.D. and J.W. Thieret. Botanical study of the Five Islands of Louisiana [Iberia and St. Mary Parishes]. *Castanea* 31:251-277. "1966."
 [267]

The "Five Islands" are Louisiana's salt domes on the central Gulf Coast, one attaining a height of more than 150 feet, and all offering habitats not otherwise afforded in the surrounding marshlands and prairie terraces. Geology, climate, phytogeography, and botanical history. Plant list includes mosses and liverworts, and bibliography includes several pertinent geological entries. Ten years later, the powers that be are at loggerheads over the use and misuse of these unique formations.

1967. Thieret, J.W. Thirty additions to the Louisiana flora. *Sida* 3:123-127.
[268]
1967. Thomas, R.D. *Burmannia biflora* (Burmanniaceae) and *Bowlesia incana*
[269] (Umbelliferae) in Ouachita Parish, Louisiana. *Sida* 3:183-184.
Previous state collections discussed.
1968. Bamforth, S.S. Forest soil protozoa of the Florida Parishes of Louisiana.
[270] *Proc. La. Acad. Sci.* 31:5-15.
Seventeen forest sites examined for protozoa, algae, and proteolytic and cellulose decomposers. Forest types include oak-hickory, bottomland hardwood-cypress, and pine-deciduous. Two tables.
1968. Chabreck, R.H., T. Joanen, and A.W. Palmisano. Vegetative type map of
[271] the Louisiana coastal marshes. *La. Wildlife and Fish Comm.* New Orleans.
Fresh, intermediate, brackish and saline marshes are recognized and plotted. See Chabreck, 1972, for full account of species composition.
1968. Ewan, J. A bibliography of Louisiana botany. *Southwest La. J.* 7:1-83.
[272] "1967."
Reviewed by Earl L. Core, *Castanea* 33:154-155, and by F.A. Stafleu in *Taxon* 17:433-434.
1968. Haynes, R.R. *Potamogeton* in Louisiana. *Proc. La. Acad. Sci.* 31:82-90.
[273] Descriptions and distribution maps for each of nine species. Habit sketches from herbarium specimens are excellent; fruits also illustrated. *P. epihydrus* is new to the state's flora, known only from one locality in Washington Parish.
1968. Hutchins, R.E. Island of adventure. A naturalist explores a Gulf Coast
[274] wilderness. New York. 243 p.
Island in the Pascagoula River, Mississippi. Refreshing and accurate popular account relevant to Louisiana offers much first hand, early-morning observation with the dew still on it. Botany accent is on the sublime and the curious: insectivorous and saprophytic plants, Fibonacci numbers of opposing spirals in the florets of Composite heads and the scales of pine cones, pollination tricks in jack-in-the-pulpit. Illustrated with fine black and white photographs by the author.

1968. Jones, R.E. A study of the mosses of Ouachita Parish, Louisiana. *Castanea*
[275] 33:18-30.
Bryological habitats discussed at length, plus annotated checklist.
1968. Kniffen, F.B. Louisiana, its land and people. Baton Rouge. 196 p.
[276] The basic geography is more valuable than the chapters on soil and vegetation per se. Also, Spanish-moss gathering, a picturesque and nearly-vanished folk economy, pp. 98-99.
1968. Lytle, S.A. The morphological characteristics and relief relationships of
[277] representative soils in Louisiana. La. State Univ., Agr. Exp. Sta., Bull. No. 631. 23 p.
1968. Reese, W.D. New moss records for the southeastern United States. *Bryologist*: 71:138-139.
[278] Predominantly Louisiana collections.
1968. Reese, W.D. and R.E. Jones. *Diphyscium foliosum* in Louisiana. *Bryologist*
[279] 71:142.
Of phytogeographic interest, this apparent Pleistocene relict has not previously been found on the coastal plain.
1968. Richards, E.L. A monograph of the genus *Ratibida*. *Rhodora* 70:348-393.
[280] *R. columnifera* cited from Texas and Arkansas, not Louisiana. Tulane herbarium holds an R.S. Cocks 1908 collection from R.R. tracks in Shreveport. Clair Brown (1972) calls it "widely distributed in prairie and pinelands" but must be confusing it with the common *R. peduncularis*.
1968. Robbins, H.C. The genus *Pachysandra* (Buxaceae). *Sida* 3:211-248.
[281] The single American species of this southeast Asian genus is native to Louisiana, disjunct in the Tunica Hills. Voucher from West Feliciana Parish. See also item 413.
1968. Thieret, J.W. Additions to the vascular flora of Louisiana. *Proc. La. Acad.*
[282] *Sci.* 31:91-97.
As well as an annotated list of 27 new species, the accomplishments of the Louisiana Flora Project are reviewed, and mention is made of the unsatisfactory state of knowledge of the Louisiana flora.
1968. Welch, W.C. and T.E. Pope. Vines for Louisiana. La. State Univ. and Agr.
[283] and Mech. Coll., Coop. Ext. Pub. 1525. 17 p.
Pamphlet consisting mostly of a list and description of some of the native and exotic vines (44 in number) that may be grown in Louisiana, along with horticultural background. Photographs.

- 1969.*
[284] Anon. Weeds of the southern United States. La. State Univ. and Agr. and Mech. Coll., Coop. Ext. Pub. 1516. 42 p.
1969.
[285] Bamforth, S.S. Protozoa and algae of the Mississippi deltaic soils. Proc. La. Acad. Sci. 32:68-77.
Litters and soils from forests and grasslands of natural levee ridges, swamps, and a marsh.
- 1969.*
[286] Blair, R.M. and E.A. Epps, Jr. Seasonal distribution of nutrients in plants of seven browse species in Louisiana. U.S. Forest Serv., Southern Forest Exp. Sta., Res. Pap. SO-51. 35 p.
Dry matter, protein, ether extract, crude fiber, N-free extract, ash, Ca, and P contents determined. *Biol. Abst.*
1969.
[287] Depoe, C.E. *Bacopa egensis* (Poeppig) Pennell (Scrophulariaceae) in the United States. *Sida* 3:313-318.
First U.S. collections by Dr. Josiah Hale in the early 1800's from Louisiana remained the only collections (4 sheets at NY) apparently extant until the plant's rediscovery in the state in 1966. Summary of detective work, drawings of leaves and fruit, herbarium specimen shown. Now firmly established and here added to the state flora.
1969.
[288] Eleuterius, L.N. and S.B. Jones, Jr. A floristic and ecological study of pitcher plant bogs in south Mississippi. *Rhodora* 71:29-34.
Ecological brief cites fire in the maintenance of this unique subclimax community. Pitcher plant bog bibliography.
1969.
[289] Ewan, J. Historical problems for the working taxonomist. *Taxon* 18:194-203.
A few pages on deciphering and verifying herbarium labels are illustrated by some samples from Louisiana botany: J.L. Riddell labels are examined and followed into the hands of other botanists and curators such as Joseph F. Joor, Josiah Hale, and John Torrey, with something less than fidelity to the collector's original information as one of the consequences.
1969.
[290] Ewan, J. 10 conifers for southern (New Orleans and vicinity) Louisiana. *In* Handbook on conifers. Plants and Gardens 25 (2). Special Printing, pp. 41-42.
S.L. Solymosy's "Conifers for southwestern Louisiana" appears on p. 42.
1969.
[291] Freeman, J.D. *Trillium gracile* (Liliaceae), a new sessile-flowered species from eastern Texas and Louisiana. *Sida* 3:289-292.
Plants previously treated as *T. ludovicianum*. Type from Texas.

1969. Ingram, J. and W.J. Dress. The Louisiana irises and *Hortus Third*. Bailey
[292] 16:93-97. "1968."
The objective here is to account for Latin names used for these irises in forthcoming *Hortus Third*. *Iris X vinicolor* Small elucidated, and a synoptical history of the Louisiana *Iris* question becomes the fringe benefit. Three *Iris* plates reprinted from Curtis' *Botanical Magazine* and *Addisonia*.
1969. Isley, D. Legumes of the United States: I. Native *Acacia*. Sida 3:365-386.
[293] The only Louisiana *Acacia* is *A. smallii* Isely, published originally in Small's *Manual* as *Vachellia densiflora* Alexander, type from Bayou La Fourche (La Fourche Parish) near Cut-Off – a segregate of the *A. farnesiana* complex.
- 1969.* Linnartz, N.E., Ed. Ecology of southern forests. La. State Univ. Proc. Ann.
[294] Forestry Symp. No. 17. 203 p.
Twelve papers discuss the relation of southern forest communities to climate, physiographic features, soil, water, and biotic factors, as well as commercial matters and modification procedures. *Biol. Abst.*
1969. Miller, L.W. *Acalypha graciliens* Gray var. *delzii* L. Miller, var. nov. (Eu-
[295] phorbiaceae). Sida 3:447.
From Texas east into central Louisiana.
1969. [Nelson, T.C. and W.M. Zillgitt]. A forest atlas of the South. U.S. Forest
[296] Serv., Southern and Southeastern Forest Exp. Sta. New Orleans and Asheville, North Carolina.
Virginia to eastern Texas, strictly maps, and these worth at least a thousand words each: soils and forest types, climate, insect pests, fire occurrence rates and more. Design and printing, the crux of such a visual book, are superb.
1969. Ownbey, G. and W.A. Olson. Cytotaxonomic notes on the species of
[297] *Cirsium* native to the southeastern United States. *Rhodora* 71:285-296.
"C. muticum from Louisiana differs in small ways from the species as we are accustomed to see it in the northern wetlands." Camera lucida metaphase figures for *C. muticum* and *C. horridulum* from Louisiana collections in Lafayette Parish.
1969. Reese, W.D. and A.W. Westling. *Fissidens asplenioides* on the Gulf coastal
[298] plain. *Bryologist* 72:71-72.
First Louisiana report of this Pleistocene relict moss.
1969. Rollins, R.C. On a weed species of *Rorippa*. *Rhodora* 71:552-553.
[299] *R. indica* (L.) Hiern, var. *apetala* (DC) Hochr., a native of eastern Asia, collected in the U.S. from Louisiana and from near Portland, Oregon.

1969. Rylander, M.K. An ecological and floristic study of the vegetation of the
[300] Delta Regional Primate Research Center, Covington, St. Tammany Parish, Louisiana. Proc. La. Acad. Sci. 32:83-111.
500 acres of second growth loblolly pine forest yield 325 vascular species in ten vegetation
associates. Invasion of plants in a cleared area also studied. Six figures painstakingly composed.
1969. Thieret, J.W. *Baptisia lactea* (Rafinesque) Thieret, comb. nov. (Legumino-
[301] sae). Sida 3:446.
Based on *Dolichos lacteus* Rafinesque, *Florula Ludoviciana*, 1817. The plant is frequent in the
prairie region of Louisiana.
1969. Thieret, J.W. *Dopatrium junceum* (Scrophulariaceae) in Louisiana. Sida
[302] 3:448.
1969. Thieret, J.W. *Rumex obovatus* and *Rumex paraguayensis* (Polygonaceae) in
[303] Louisiana: new to North America. Sida 3:445-446.
1969. Thieret, J.W. *Sagittaria guayanensis* (Alismataceae) in Louisiana: new to the
[304] United States. Sida 3:445.
Like so many of the author's discoveries, a weed in a rice field.
1969. Thieret, J.W. *Trifolium vesiculosum* (Leguminosae) in Mississippi and Lou-
[305] isiana: new to North America. Sida 3:446-447.
1969. Thieret, J.W. Twenty-five species of vascular plants new to Louisiana. Proc.
[306] La. Acad. Sci. 32:78-82.
One is the marine angiosperm *Halophila engelmannii* Aschers. *Celastrus scandens* L. (bitter-
sweet), originally noted by R.S. Cocks in 1914 from West Feliciana, subsequently disclaimed by
Clair Brown in 1945 and, following suit, by G.K. Brizicky in 1964, here readmitted to the state's
flora, based on Thieret's verification of Cocks' voucher specimen at the Tulane Herbarium,
evidently overlooked by Brown. Status in the wild, however, remains uncertain. (See also item
413).
1969. Thieret, J.W., R.R. Haynes, and D.H. Dike. *Blyxa aubertiie* (Hydrocharita-
[307] ceae) in Louisiana: new to North America. Sida 3:343-344.
Another addition to the state's noteworthy aquatic angiosperm flora, this a native of the Old
World tropics.
1969. Vogel, E. and A.D. Oliver, Jr. Evaluation of *Arzama densa* as an aid in the
[308] control of water-hyacinth in Louisiana. J. Econ. Entomol. 62:142-145.

The larvae of this common noctuid moth of southern Louisiana were found to feed on water-hyacinth, causing death of some plants and preventing development of seed heads on others. Pickerelweed also eaten. See *Ann. Entomol. Soc. Amer.* 62: 749-752 for life history.

1970. Anderson, L.C. Studies on *Bigelowia* (Astereae, Compositae) I. Morphology
[309] and taxonomy. *Sida* 3:451-465.
Two species, both Louisiana natives. State collections tabulated for morphological studies. Map and four tables.
1970. Correll, D.S., M.C. Johnston, and collaborators. Manual of the vascular
[310] plants of Texas. Renner: Texas Research Foundation. 1881 p.
Rising to the occasion of a vascular flora that numbers nearly 5000 species and embraces habitats as diverse as woodland, prairie, and desert, this is a mighty work of industry and accuracy and, for our needs, makes a fine complement to Small's 1933 *Manual* which extends west only to the Mississippi River. Louisiana is included in range citations, and discussion of the East Texas Forest Region and Gulf Prairies and Marshes Area holds true for our area as well. Species descriptions are exhaustive.
1970. Kuprionis, J. Louisiana Tech Arboretum; its history and development. Rus-
[311] ton, Louisiana. 38 p.
Includes a list of trees and shrubs in the arboretum, coded to map of same.
- 1970.* Meyers, S.P., M.E. Nicholson, P. Miles, J.S. Rhee, and D.G. Ahearn.
[312] Mycological studies in Barataria Bay, Louisiana, and biodegradation of oyster grass, *Spartina alterniflora*. *La. State Univ., Coastal Stud. Bull.* 5:111-124.
1970. Mitchell, R.S. A re-evaluation of *Polygonum meisnerianum* in North America.
[313] *Rhodora* 72:182-188.
Earliest U.S. collections seen by the author all from Louisiana: Drummond, 1832, from New Orleans; Riddell, 1838, from Madisonville (St. Tammany Parish); and Langlois, 1885 and 1892. Collections have been extremely infrequent in North America since the turn of the century, and author notes that there are no specimens at LSU or LAF.
1970. Pursell, R.A. and W.D. Reese. Phytogeographic affinities of the mosses of
[314] the Gulf Coastal Plain of the United States and Mexico. *J. Hattori. Bot. Lab.* 33:115-152.
The mosses of the Gulf Coast of the United States are descendents of the Tertiary moss flora of eastern North America, with a limited number of species from regions to the south.
1970. Reese, W.D. and S. Tucker. The 1967 foray of the American Bryological and
[315] Lichenological Society in Louisiana and Texas. *Bryologist* 73:692-701.
Collections in western Louisiana yielded 30 lichen taxa new to our state. Check list.

1970. [316] Rense, W.C. The perique tobacco industry of St. James Parish, Louisiana: a world monopoly. *Econ. Botan.* 24:123-130.
A delicate and complex curing process yields high quality and flavor and high consumer demand. Circumstances beyond the control of a 300 acre per year small business make perique's future regrettably uncertain. Map and illustrations.
1970. [317] Rhodes, D.C. *Psilotum nudum* (Psilotaceae) in North Louisiana. *Sida* 3:525.
Lincoln Parish, extending known range 250 miles northward.
1970. [318] Richard, M.A. The swamp maple, *Acer rubrum* var. *drummondii*, a neglected native ornamental tree. *La. Soc. Hort. Res. J.* 11:1-23.
Gardeners may not be as interested as taxonomists and ecologists in a few of the topics, for example, morphological variability and climatic influence on date of blooming.
- 1970.* [319] Smith, W.C. *Spartina* "die-back" in Louisiana marshlands. *La. State Univ., Coastal Stud. Bull.* 5:89-96.
1970. [320] Thieret, J.W. *Bacopa repens* (Scrophulariaceae) in the conterminous United States. *Castanea* 35:132-136.
Nomenclature; field and laboratory observations on habitat, associates, morphology; citation of U.S. collections. Thieret's field work done in the rice ponds of Acadia Parish.
1970. [321] Thieret, J.W. *Nemophila microcalyx*, an incorrect name. *Rhodora* 72:399-400.
Rafinesque again visiting nomenclatural turmoil on future generations. His epithet *trilobum* predates Nuttall's *microcalyx* and hence the correct name is *N. trilobum* (Raf.) Thieret.
1970. [322] Thieret, J.W. Notes on *Epifagus*. *Castanea* 34:397-402. "1969."
E. virginiana (Orobanchaceae). Field observations were made largely in Evangeline and East Feliciana parishes, Louisiana.
1970. [323] Tucker, S.C. Langlois's collection sites of Louisiana lichens. *Bryologist* 73: 137-142.
Parish locations for about 30 sites mapped and listed, with notes and known dates of collections. A few place names cited remain unlocated: Aurelia Co. (or New Aurelia), Bayou Millien (or Millieu), Bois Charmante, and Jardin de Bouchetel. Langlois references gathered from local histories and biographical accounts.
1970. [324] Weniger, D. Cacti of the Southwest: Texas, New Mexico, Oklahoma, Arkansas and Louisiana. Austin, Texas; London, England. 249 p.
The genus *Opuntia* is a minor but quite interesting floristic element in Louisiana, and this is one of our few local references. Reviewed by G.D. Rowley, *Taxon* 20:175-176; "... professional

botanists are left baffled by the almost complete omission of literature citations throughout ... one looks in vain for a bibliography ...” Of more than amateur stature nonetheless.

1970. Wherry, E.T. Notes on phloxes in the Gulf States. *Castanea* 35:198-199.
[325] 1. *Phlox philosa* subsp. *fulgida* given official status in flora of Louisiana. Earlier, unidentified Louisiana material now falls into this taxon. 2. The source of *Phlox divaricata* subsp. *lamphamii* cultivar “Opelousas,” offered for sale in southwestern Louisiana, cannot be traced back to the wild in the state and remains a mystery.
1970. Wright, L.D., F.J. Swaye, and J.M. Coleman. Effects of Hurricane Camille
[326] on the landscape of the Breton-Chandeleur Island chain [St. Bernard Parish] and the eastern portion of the lower Mississippi Delta. *La. State Univ., Coastal Stud. Bull.* 4:13-34.
Damage to marsh vegetation, pp. 26-30.
1971. Bamforth, S.S. Microbial variations in the semi-tropical soils of St. Mary
[327] Parish, Louisiana. *Proc. La. Acad. Sci.* 33:7-12. “1970.”
1971. Bamforth, S.S. Floristic patterns of major groups of soil algae in Louisiana.
[328] *Proc. La. Acad. Sci.* 34:7-11.
Extending earlier studies (1967, '68, '69, '70) to construct a floristic pattern for the state. Synopsis of Lytle's six major soil regions of Louisiana (1968) and their characteristic vegetation. A similar study in Russia yielded comparable algal patterns.
1971. Barrett, E.R. *Morchella* in Louisiana. *Castanea* 36:147.
[329] *M. angusticeps* Pk. and *M. esculenta* (L.) Pers.
1971. Choudhary, M.C. *Nitella iyengarii*, a new species from the southeastern
[330] United States. *Castanea* 36:209-213.
Type specimen collected by John W. Thieret from bottom of “the pool,” Lacassine Wildlife Refuge, Cameron Parish.
1971. Guerke, W.R. Notes on Hepaticae from Louisiana and New Mexico. *Bryol-*
[331] *ogist* 74:202-204.
Four new state reports. Literature Cited: for “Notes on Louisiana Hepaticae” read “Southern Hepaticae” – the article contains no reference to our area.
1971. Kiger, R.W. *Arthraxon hispidus* (Gramineae) in the United States: taxonom-
[332] ic and floristic status. *Rhodora* 73:39-46.
Range clarification of Louisiana supercedes Agnes Chase's 1950 revision of Hitchcock's *Manual*.

1971. Kral, R. A treatment of *Abildgaardia*, *Bulbostylis* and *Fimbristylis* (Cyperaceae) for North America. *Sida* 4:57-227.
[333]
Fifty odd tropical to warm temperate taxa, of which at least a dozen are in the state. Many chromosome counts taken from Louisiana specimens. Comprehensive monograph includes maps and fine, detailed illustrations (whole plant, spikelet, achene, leaf sheath). Field and herbarium study, LAF consulted.
1971. Leithead, H.L., L.L. Yarlett and T.N. Shiflet. 100 native forage grasses in 11
[334] southern states. U.S. Dept. Agr., Soil Conserv. Serv., Agr. Handbook No. 389. 216 p.
For each species: description, growth characteristics, distribution, site adaptation, use and management, range map and illustrations which include ligule for identification of sterile material. Bound with glue, the leaves caducous.
1971. Nelson, B. Caroline Dormon [1888-1971]. *La. Soc. Hort. Res. J.* 12:42-44.
[335]
Miss Dormon's extensive knowledge of the botany and natural history of her native Louisiana had earned her a reputation as an outstanding naturalist. A world somewhat queasy with overspecialization will greatly miss her strengths.
- 1971.* Paden, P., P. Paden, and C.J. Felix. A study of lower and middle Cretaceous
[336] spores and pollen from the southeastern United States: II. Pollen. *Pollen Spores* 13(3):447-473.
Sixty-five core samples from southwestern Mississippi and northern Louisiana in which attention was devoted to the lower Tuscaloosa Formation. Twenty-four genera containing 33 species described and illustrated, several of both ranks new. *Biol. Abst.*
1971. Thieret, J.W. Additions to the Louisiana flora. *Castanea* 36:219-222.
[337]
A further contribution to the Louisiana Flora Project begun in 1962. Eighteen new species and varieties, five of which are grasses, mostly from Thieret's own collections.
1971. Thieret, J.W. *Eriocaulon cinereum* R. Br. in Louisiana. *Southwestern Nat.*
[338] 15:391.
1971. Thieret, J.W. *Physalis lagascae* (Solanaceae) in Louisiana: new to the conterminous United States. *Sida* 4:277.
[339]
1971. Thieret, J.W. Quadrat study of a bottomland forest in St. Martin Parish,
[340] Louisiana. *Castanea* 36:174-181.
"Intended to augment our meager knowledge of the plant cover of the state." This Mississippi River flood plain community dominated by *Celtis laevigata*, with green ash, sweetgum, and baldcypress subordinate. Three tables.

1971. Thomas, R.D. Burmanniaceae in Louisiana. *Castanea* 35:329-330. "1970."
 [341] Author, curator of the herbarium at Northeast Louisiana University in Monroe, cites his collections of the three native species, all apparently rare in the state: *Apteria aphylla* (Nutt.) Barnhart, *Burmannia bifloa* L., *B. capitata* (Walt.) Mart.
1971. Thomas, R.D. Collecting vascular plants in the habitat near the ground – or,
 [342] locating and collecting "Belly Plants." *Castanea* 36:148-149.
 All author's belly-work done in Louisiana. Tiny plants may be much more common than extant herbarium specimens indicate: *Ophioglossum crotalophoroides*, previously considered rare in the state, now documented from twenty-six parishes and probably as common as bracken. Other under-two-inchers include *Lepuropetalon spatulatum* and *Tillaea aquatica*.
1972. Baker, L. and H. Beckert. A partial bibliography of the ecology and biology
 [343] of the coast of the Gulf of Mexico with emphasis on the Louisiana coast. Univ. Southwest. La. Res. Ser. No. 15, Biol. 108 p.
 Indexes include "Ecology," "Microorganisms," "Vegetation," "Miscellaneous," and "Bibliographies." 983 entries.
1972. Batson, W.T. A guide to the genera of native and commonly introduced ferns
 [344] and seed plants of the southeastern United States, excluding peninsula Florida. Columbia, South Carolina. 151 p.
 The author fails to delimit his "southeastern United States" though the cover map shows only the Atlantic coastal states. Brief descriptions and little leaf-and-flower sketches accompany each genus. Keys to families and genera.
1972. Brown, C.A. Wildflowers of Louisiana and adjoining states. Baton Rouge.
 [345] 247 p.
 Currently the handiest picture book on wildflower identification in our area. Thirty pages of introduction include crash courses in floral morphology, plant taxonomy, ecology, geography, and a useful color map of the parishes and vegetation regions of Louisiana. Color photographs illustrate some 400 species, including the more spectacular trees and shrubs. Inconsistent registry quality – *Spiranthes*, *Sisyrinchium*, *Pyrus*. Brief descriptions, range citations, stingy condiments. A few errors have come to my attention: *Asclepias viridiflora* Raf., p. 145, is a misinterpretation of the species illustrated. The correct name is *A. obovata* Ell. Pictures of *Liatris squarrosa* (L.) Michx. and *L. pycnostachy* Michx., pp. 210 & 211, have been transposed. And the name *Ratibida peduncularis* (T. & G.) Barnh. should probably replace *R. columnaris* (Sims) Don, a more western and northern species not elsewhere reported for Louisiana (see item 280). The picture and description agree with both. And *Salvia lyrata* is missing! Review by J. Ewan in *Quart. Rev. Biol.* 49:75-76.
1972. Chabreck, R.H. Vegetation, water and soil characteristics of the Louisiana
 [346] coastal region. La. State Univ., Agr. Exp. Sta., Bull. No. 664. 72 p.
 An exhaustive study with much valuable tabular information. Bibliography includes several unpublished Ph.D. dissertations of interest. Paperback, sewn in signatures, well designed and printed – an outstanding contribution in a field flooded with literature.

1972. Correll, D.S. and H.B. Correll. Aquatic and wetland plants of the southwest-
[347] ern United States. U.S. Environmental Protection Agency. 1777 p.
Reissued in two volumes in 1975 by Stanford University Press. Range includes the state of Texas to the Louisiana line. Thus, with Thieret's checklist of Louisiana aquatic and marsh plants (1972) as a companion, this is an invaluable contribution to the botany of our state. Full species descriptions are supplemented with full page drawings, many from other publications. The reader will find the preface to be a most eloquent – and thus controversial – plea for environmental protection.
1972. Lieux, M.H. A melissopalynological study of 54 Louisiana (U.S.A.) honeys.
[348] Rev. Palaeobot. Palynol. 13:95-124.
Pollen analyses of 54 commercial Louisiana honeys: 58 different pollen types identified. *Trifolium repens*, *Rubus*, *Berchemia scandens*, and *Salix* were high scorers. *Biol. Abst.*
1972. Lorio, P.L., Jr., V.K. Howe, and C.N. Martin. Loblolly pine rooting varies
[349] with microrelief on wet sites. *Ecology* 53:1134-1140.
A tree whose star is rising in the southern pinelands. Additional data towards an understanding of the dynamics of moisture stress and pine distribution. Tables & figures.
1972. Montz, G.H. A seasonal study of the vegetation on levees. *Castanea* 37:140-
[350] 146.
East bank, St. Charles Parish. Vegetation sampled by 55 line transects at three seasons. Levees host a rich, mostly introduced, weedy flora.
- 1972.* Murphy, P.K. and R.E. Noble. The monthly availability and use of browse
[351] plants by deer on a bottomland hardwood area in Tensas Parish, Louisiana. *Proc. Ann. Conf. Southeast. Assoc. Game and Fish Comm.* 26:29-57.
1972. Newton, M.B., Jr. Atlas of Louisiana, a guide for students. La. State Univ.,
[352] Misc. Publ. 72-1. 196 p.
Soils and vegetation, pp. 32-44; climate and weather; land forms.
1972. Reese, W.D. List of the mosses of Louisiana. *Bryologist* 75:290-298.
[353] Based on literature reports and herbarium specimens, the moss flora of Louisiana is characterized as a diminished eastern North American flora enriched by distinct tropical American and coastal plain elements. 240 species and varieties, 90 genera, 39 families. *Fissidens neonii* is endemic to the state. Bibliography composed to complement that of Koch's 1956 paper – repetitions are minimal and the weight is on reports published later than 1956.
1972. Richard, M.A. Hardy palms for south Louisiana. *La. Soc. Hort. Res. J.*
[354] 13:62-83.
Thirteen palms are recommended, described and illustrated.

1972. Smith, C.A., Jr. A preliminary survey of the cultivated plants of Ouachita
[355] Parish, Louisiana. Northeast La. Univ., M.S. Thesis. Unpubl.
Representatives of 119 families, 385 genera, and 658 species and varieties were collected from cultivation or found to be on deposit at NLU. This is such an industrious contribution to a field so poorly investigated in Louisiana, that I break a general policy to include it. Needless to say, many meaningful but unpublished theses and dissertations go unnoted in this bibliography. They are often retrievable through the references cited in related, published articles.
1972. Stuckey, R.L. Taxonomy and distribution of the genus *Rorippa* (Cruciferae)
[356] in North America. *Sida* 4:279-430.
Five species in Louisiana. *Nasturtium micropetalum* and *N. obtusum*, types from near New Orleans, synonymous with *R. teres*. Illustrations limited.
1972. Thieret, J.W. Aquatic and marsh plants of Louisiana: a checklist. La. Soc.
[357] Hort. Res. J. 13:1-45.
Vascular plants only, with some synonymy.
1972. Thieret, J.W. Checklist of the vascular flora of Louisiana. Part I. Ferns and
[358] fern allies, gymnosperms, and monocotyledons. Lafayette Nat. Hist. Mus., Tech. Bull. 2. 48 p.
"The policy is simple: no voucher, no listing," but herbaria possessing vouchers not cited. Synonymy included. 728 species of monocots, 8 gymnosperms and 63 ferns and allies.
1972. Thieret, J.W. *Rotala indica* (Lythraceae) in Louisiana. *Sida* 5:45.
[359]
1972. Thieret, J.W. The yam sham. Lafayette Nat. Hist. Mus. Newsletter, March.
[360] Yams versus sweet potatoes, botanically speaking, and mention of our ornamental air-potato, *Dioscorea bulbifera*. Chatty one page mimeo.
1972. Thieret, J.W. *Zeuxine strateumatica* in Louisiana. Amer. Orchid Soc. Bull.
[361] 41:413.
An asiatic, weedy orchid that has already spread through much of Florida. Delta National Wildlife Refuge, Plaquemines Parish; new to the state.
1972. Thomas, R.D. *Botrychium lunarioides*, *Ophioglossum crotalophoroides*, and
[362] *Ophioglossum engelmanni* in a Louisiana cemetery. Southwestern Nat. 16: 431-432.
1972. Thomas, R.D. *Eulophia ecristata* (Fernald) Ames (Orchidaceae) in Grant
[363] Parish, Louisiana. Southwestern Nat. 16:431.

1972. Wilson, B.H. and M.H. Lieux. Pollen grains in the guts of field collected
[364] tabanids in Louisiana. *Ann. Entomol. Soc. Amer.* 65:1264-1266.
Alluvial and salt marsh areas collected. Oak, grass, and composite pollen most abundant, the former two types windborne.
1973. Allen, C.M. Additions to the Louisiana flora. *Sida* 5:130-131.
[365] Four new species including *Corallorhiza odontorhiza* from St. Helena Parish. See also *Sida* 5:287 (1974) for more information on the same collection of coral-root.
1973. Curry, M.G. and C.M. Allen. Alismataceae of Louisiana. *Proc. La. Acad.*
[366] *Sci.* 36:88-91.
Taxonomy of *Echinodorus* and *Sagittaria*. Key to species plus distribution maps and illustrations.
1973. Feibleman, P.S. and the editors of Time-Life Books. The bayous. New York.
[367] 184 p.
Photography! And another popular book with bayou flavor is *Bayou Backwaters* by Allan W. Eckert (1968, New York, 155 p.), nature writing with strictly animal adventures: canebrake rattler vs. spotted skunk, alligator vs. armadillo.
1973. Flock, J.M. Guide to the botanical contributions of Lloyd H. Shinnery (1918-
[368] 1971). *Sida* 5:137-179.
Many first reports from Louisiana by this indefatigable Texas botanist.
1973. Grelen, H.E. and W.F. Mann, Jr. Distribution of *Senna seymeria* (*Seymeria*
[369] *cassioides*) – a root parasite on southern pines. *Econ. Botan.* 27:339-342.
The plant is an obligate parasite on at least three species of southern pines and is apparently selective for pines only. A southwide survey indicated that it is most common on moist, sandy sites of the lower Gulf and Atlantic Coastal Plains. *Punch*, 1962 (1974).
1973. Guerke, W.R. Epiphyllous Hepaticae in Louisiana. *Bryologist* 76:201-202.
[370] The first report of this common tropical phenomenon in Louisiana. All of the 7 species listed were collected on *Magnolia grandiflora*.
- 1973.* Gunn, C.R. and J.V. Dennis. Tropical and temperate stranded seeds and
[371] fruits from the Gulf of Mexico. *Contrib. Mar. Sci.* 17:111-121.
Beaches along the western coast of Louisiana receive large numbers of tropical disseminules that have been carried by currents from the Caribbean region, northern South America, and Mexico. Disseminules of 34 tropical and 24 temperate species have been collected on northern and western Gulf beaches. *Biol. Abst.*
- 1973.* Halls, L.K. Delicacy for the birds. *La. Conserv.* 25(3 & 4): 26-29.
[372] Seed of spurges (Euphorbiaceae) is valuable for birds. Flowers of several species are pictured in color. *Punch*, 1962 (1974).

1973. Landry, G. and J.W. Thieret. *Isoëtes louisianensis* (Isoëtaceae), a new species
[373] from Louisiana. *Sida* 5:129-130.
Holotype from Washington Parish. The only *Isoëtes* previously collected in Louisiana is *I. melanopoda*, considered rare in the state.
1973. Lasseigne, A. Louisiana legumes. Univ. Southwest. La., Southwest. Stud.
[374] Ser., No. 1. 255 p.
Comprehensive treatment of the family in Louisiana, in which 166 species are recognized. Generic descriptions, keys to species, habitat, dates of flowering. Line drawings partially supplant species descriptions. Range maps to parish. Perfect binding, not in signatures, a misfortune. Multilithed.
1973. Mahler, W.F. By any other name. *Sida* 5:180-181.
[375] Louisiana botany? A Louisiana botanist, Joseph Ewan, engages Lloyd Shinnars in a duel of poems: "Sat Down Be Sida" is parried by "Lines Penned in Retaliation."
1973. Montz, G.M. *Psilotum* in New Orleans. *Castanea* 38:207-208.
[376] *Psilotum nudum* collected on University of New Orleans (née LSU in N.O.) campus; first report from Orleans Parish. Review of previous state citations and collections. (During the 1976 AIBS meeting, several plants were discovered on Tulane campus under a row of azalea bushes.)
1973. Parks, J.C. A revision of North American and Caribbean *Melanthera* (Com-
[377]positae). *Rhodora* 75:169-210.
M. nivea, the only U.S. species outside peninsula Florida, is a Louisiana native, and the type of *M. carpenteri* Small, a synonym, was collected in West Feliciana Parish.
1973. Pecora, R.A. A report on the algal flora of southwestern Louisiana: Phyto-
[378]flagellates. *Proc. La. Acad. Sci.* 36:76-82.
List of 34 flagellates, of which 13 are reported for the first time in the state; annotations and more or less brief descriptions.
1973. Solymosy, S.L. *Hydrilla verticillata* (L. f.) Casp., a new plant for Louisiana.
[379] *La. Soc. Hort. Res. J.* 14:92.
1973. Thomas, R.D. *Dirca palustris* (Thymelaeaceae): new to Louisiana. *Sida*
[380] 5:132.
1973. Thomas, R.D., W.H. Wagner, Jr., and M.R. Mesler. Log fern (*Dryopteris*
[381] *celsa*) and related species in Louisiana. *Castanea* 38:269-274.
Update of Brown and Correll's work of 1942. Morehouse Parish.

1974. Allen, C.M. Nineteen species of grasses (Poaceae) new to Louisiana. Proc.
[382] La. Acad. Sci. 37:18-20.
Field and herbarium study.
1974. Allen, C.M. Some unusual grasses (Poaceae) of Louisiana. [Abstract.] Proc.
[383] La. Acad. Sci. 37:130.
Recently discovered hybrid: *Sphenopholis obtusata* X *S. pensylvanica*. Volumes 37 and 38 of the *Proceedings* include abstracts of papers presented at the 1974 and 1975 Annual Meetings of the Louisiana Academy. Several are here included primarily to link certain workers with certain topics.
1974. Bamforth, S.S. Coastal plankton off Grand Isle [Jefferson Parish], Louisiana.
[384] Proc. La. Acad. Sci. 37:64-69.
Collections from Freeport Sulphur Company Grand Isle Platform west of the delta. Annotated list and one figure correlating major groups with temperatures and salinity.
1974. Cain, R.H. Pimple mounds: a new viewpoint. Ecology 55:178-182.
[385] The character and distribution of pimple mounds in Louisiana and adjoining territory points to a possible pedestal tree-erosion origin. Literature cited brings out of obscurity several related publications and theses.
1974. Delcourt, H.R. and P.A. Delcourt. Primeval magnolia-holly-beech climax in
[386] Louisiana. Ecology 55:638-644.
Reconstruction of early settlement forest patterns in West Feliciana Parish from an American Land Office Survey of 1821. This study represents the first quantitative evidence to support the existence of a late-successional, or climax, magnolia-beech-holly forest in the original vegetation of upland mesic sites of the Gulf Coastal Plain. Two tables, one parish map of forest types.
- 1974.* Duffy, I.T. Some like it wet. Amer. Forestry 80(6):32-35.
[387] Hardwoods native to the lower Mississippi Valley generally survived the 1973 flood without serious damage. Newly planted stands as well as older trees of species not naturally found on bottomland sites, were frequently lost. *Punch*, 1962 (1975).
1974. Fruge, D.W. The vegetation of Lacassine Pool, Lacassine National Wildlife
[388] Refuge [Cameron Parish], Louisiana. U.S. Dept. Interior, Fish and Wildlife Serv., Lafayette. Mimeo.
Two major communities analyzed, emergent and floating-leaved/submergent. Checklist of 138 spp.
1974. Gonsoulin, G.J. A revision of *Styrax* (Styracaceae) in North America, Cen-
[389] tral America, and the Caribbean. Sida 5:191-258.
S. americana and *S. grandifolia* in the state, the history of the former going back to Robin's Voyages (1807). Specimens from LAF utilized.

1974. Gregory, P.E. and D.R. Sanders, Sr. Some aspects of the life history and
[390] ecology of *Cabomba caroliniana* Gray. [Abstract.] Proc. La. Acad. Sci. 37:131.
1974. Grelen, H.E. Pinehill bluestem, *Andropogon scoparius* var. *divergens* An-
[391] derss. ex Hack., an anomaly of the *A. scoparius* complex. Amer. Midl. Nat. 91:438-444.
- Review of published accounts of the relation of var. *divergens* to other taxa, together with morphological investigations of transplanted clones, indicates that separation of southern forms of *A. scoparius* is taxonomically imprudent. *Punch*, 1962 (1975). More on the same appeared in *J. Range Mgmt.* 27:283-284 (1974).
1974. Jones, S.B., Jr. Mississippi Flora. I. Monocotyledon families with aquatic or
[392] wetland species. Gulf Res. Repts. 4:357-379.
- IV. Dicotyledon families with aquatic or wetland species, *ibid*, 5:7-22 (1975). Keys, distribution maps (in Miss.), habitats, references, nomenclature, and notes are given for some 28 families (grasses, sedges, rushes excluded) many of whose members spill over into Louisiana.
- 1974.* Kapaun, D.F. Seasonal periodicity and spatial distribution of benthic marine
[393] algae in Louisiana. Contrib. Mar. Sci. 18:139-167.
- A broad investigation providing information on physiology, taxonomy, floristic affinities, and life histories. A list of 85 benthic marine algae including 31 new records for Louisiana is given. *Biol. Abst.*
1974. Luke, W.J., C.A. Schexnayder, and C.A. Brown. Establishment of *Tilland-*
[394] *sia recurvata* L. in East Baton Rouge Parish, Louisiana. Proc. La. Acad. Sci. 37:17.
- Seconding Thieret's provisional inclusion of ball-moss (1969) in the state flora based on a 1939 Viosca collection from parts unknown. The plant is established on an ornamental yaupon on the LSU campus, and the groundskeeper has agreed to go easy.
1974. Montz, G.M. *Linaria vulgaris* Hill in Louisiana. Castanea 39:190.
[395]
1974. Montz, G.M., and A. Cherubini. An ecological study of a bald-cypress
[396] swamp in St. Charles Parish, Louisiana. Castanea 38:378-386. "1973."
- Quadrat sampling: DBH and frequency-density of cypress. Of particular interest are a comparison of township maps of 1860 to quadrangle maps of 1969 in study of plant succession, documenting baldcypress' extension into adjacent marsh, and discussion of a change from lower to higher salinities in the Mississippi River-Gulf outlet area and Lake Pontchartrain, to the detriment of baldcypress and doubtless many other plants.

1974. Oefinger, S.W., Jr. and L.K. Halls. Identifying woody plants valuable to
[397] wildlife in southern forests. U.S. Forest Serv., Southern Forest Exp. Sta.,
Res. Pap. SO-92. 76 p.
Twigs, buds, and other key identification features are illustrated in color for 70 browse species
common to pine-hardwood forests of the South. *Punch*, 1962 (1975).
1974. Pecora, R.A. Reports on the algal flora of southwestern Louisiana. II.
[398] Collections of Chlorophyceae and Xanthophyceae. Proc. La. Acad. Sci.
37:50-54.
Eighteen of the 19 species reported for the first time in the state.
1974. Piehl, M.A. Preliminary reports on the flora of Louisiana. No. 1. The families
[399] Magnoliaceae, Illiciaceae, and Schisandraceae. [Abstract.] Proc. La. Acad.
Sci. 37:131.
1974. Piehl, M.A. Rare or endangered higher plants of Louisiana – a progress
[400] report. [Abstract.] Proc. La. Acad. Sci. 37:131.
Comprehensive state list has been prepared.
1974. Piehl, M.A. Verification of the occurrence of *Tillandsia recurvata*, ball-moss,
[401] in Louisiana and its endangered status. La. Soc. Hort. Res. J. 15:1-6.
Locally abundant on L.S.U. campus! See item 394.
1974. Piehl, M.A. and M.A. Spindler. Preliminary reports on the flora of Louisi-
[402] ana. No. 4. The family Lauraceae. [Abstract.] Proc. La. Acad. Sci. 37:131.
Range of *Lindera benzoin* (L.) Bl. considerably wider than an early report by Cocks suggests.
1974. Piehl, M.A. and P.A. Piehl. Preliminary reports on the flora of Louisiana.
[403] No. 2. The families Aristolochiaceae, Celastraceae, and Menispermaceae.
[Abstract.] Proc. La. Acad. Sci. 37:131.
1974. Piehl, P.A. and M.A. Piehl. Vines of Louisiana, part I. Louisiana lianas, a
[404] provisional annotated list of native, naturalized and cultivated woody vines.
La. Soc. Hort. Res. J. 15:51-60.
35 families, 60 genera and 128 species.
1974. Reese, W.D. Noteworthy Louisiana mosses. [Abstract.] Proc. La. Acad. Sci.
[405] 37:131.

1974. Sanders, D.R., Sr. Notes on the appearance of a new aquatic plant in
[406] Louisiana. [Abstract.] Proc. La. Acad. Sci. 37:132.
Hydrilla verticillata Royle, potentially a dangerous introduction into Louisiana waters. Soly-
mosy, however, reported it in 1973.
1974. Sanders, D.R., Sr. and J.H. Mannings. Effects of water fluctuation on the
[407] vegetation of Black Lake. [Abstract.] Proc. La. Acad. Sci. 37:132.
Effective and, according to authors, ecologically sound method of removing unwanted aquatic
plants.
1974. Short, M.S. and M.A. Piehl. Preliminary reports on the flora of Louisiana.
[408] No. 3. The family Annonaceae. [Abstract.] Proc. La. Acad. Sci. 37:132.
1974. Spindler, M.A. and R.E. Noble. Fall vegetation on the spoil banks of Superi-
[409] or Canal, Cameron Parish, Louisiana. Proc. La. Acad. Sci. 37:74-88.
An artificial community that is increasing in a state where a six inch change in elevation can
significantly alter the plant life.
1974. Thieret, J.W. and C.M. Allen. *Setaria pallide-fusca* (Gramineae) in Louisi-
[410] ana. Castanea 39:290-291.
This LSU campus weed proves new to state, to conterminous U.S. and to North America.
1974. Valentine, J.M., Jr. Unpublished administrative reports. U.S. Dept. Interi-
[411] or, Fish and Wildlife Serv., Lafayette. 5 p. Mimeo.
Titles from 1960 to 1974, mostly grazing and succession studies in local wildlife refuges. No
authors.
1975. Allen, C.M. *Trichomanes petersii* in Louisiana. [Abstract.] Proc. La. Acad.
[412] Sci. 38:121.
1975. Delcourt, H.R. and P.A. Delcourt. The blufflands: Pleistocene pathway into
[413] the Tunica Hills [West Feliciana Parish]. Amer. Midl. Nat. 94:385-400.
Numerous plant species of a northern mixed mesic forest reach their southern terminus in the
hilly land above the eastern escarpment of the Mississippi River alluvial valley known as the
Tunica Hills. The epic of several of these Pleistocene migrants and relicts is here explored in
full.
1975. Duncan, W.H. and L.E. Foote. Wildflowers of the southeastern United
[414] States. Athens, Georgia. 296 p.

In his foreword, ex-governor of Georgia, Jimmy Carter, praises this reference as "both comprehensive and beautiful." Indeed it expands the concept of a popular wildflower book by its conviction that even the amateur botanist deserves the most accurate and thorough botany. Range includes Louisiana. Illustrated with color photographs. Reviewed by Earl L. Core, *Castanea* 40:364 (1975) and by J. Ewan, *Ecology* 58:222-223 (1977).

1975. Elliott, P.B. and S.S. Bamforth. Interstitial protozoa and algae of Louisiana
[415] salt marshes. *J. Protozool.* 22:514-519.

Sediments of stagnant pools among *Spartina* sp. and *Distichlis spicata* constitute a "sulfide biome" in which the abundance of nutrients provides habitable conditions for all the major groups of microflora. Excellent figures.

1975. Gould, E. and J. Ewan. Phylogeographic and ecologic relationships of the
[416] flora of Breton Island [St. Bernard Parish], Louisiana. *Tulane Stud. Zool. Bot.* 19:26-36.

Island 3 miles long by ½ mile wide. Salt spray community of 84 species of vascular plants and 3 mosses, predominantly of temperate origin, studied in light of records published 60 years previously.

1975. Graham, S.A. Taxonomy of the Lythraceae in the southeastern United
[417] States. *Sida* 6:80-103.

Cuphea glutinosa "first collected in the United States in 1884 in Vermilion Parish, Louisiana." Chromosome count based on Thieret collection from Lafayette Parish. Further information on *Rotala indica* (see Thieret, 1972). All seven genera treated are in our state. Material from LAF consulted. Illustrations and maps wanting.

1975. Guerke, W.R. A floristic study of the Hepaticae and Anthocerotae of the
[418] Florida Parishes. *Bryologist* 77:593-600.

Physical description and vegetation of the study area, floristic comparisons and phytogeography, as well as a list of 83 species in 24 families.

- 1975.* Johnson, R.L. Natural regeneration and development of Nuttall oak and
[419] associated species. U.S. Forest Serv., Southern Forest Exp. Sta., Res. Pap. SO-104. 12 p.

Nuttall oaks from a dense seedling catch survived for 5 to 10 years in complete shade and for 15 years with 1 or 2 hours of daily sunlight. They made little growth, but they responded well when released after periods of 1 to 9 years. Green ash, water hickory, and sugarberry survived equally well and outgrew the oaks after the overstory was removed. *Punch*, 1962 (1975).

1975. Johnston, L.A. Revision of the *Rhamnus serrata* complex. *Sida*: 6:67-79.

[420] Louisiana un-botany: *R. lanceolata* "is unknown in Louisiana" though collections are mapped from neighboring east Texas.

1975. Jones, R.E. Louisiana Tech University Herbarium: new national plant de-
[421] pository for U.S. Corps of Engineers. [Abstract.] Proc. La. Acad. Sci. 38:121.
Louisiana Tech chosen as the voucher specimen depository for Corps of Engineers' new
Environmental Effects Laboratory Waterways Experiment Station, Vicksburg, Mississippi.
1975. Landry, G.P. Unusual pteridophytes of Louisiana. [Abstract.] Proc. La.
[422] Acad. Sci. 38:121.
1975. Lieux, M.H. Dominant pollen types recovered from commercial Louisiana
[423] honeys. Econ. Botan. 29:87-96.
Same honey samples as Lieux, 1972, and some of the same information. Additionally,
electron micrographs and morphological descriptions of pollen grains. Two maps.
1975. Marx, P.S. and R.D. Thomas. A survey of the vascular plants of Caldwell
[424] Parish, Louisiana. Proc. La. Acad. Sci. 38:75-85.
924 species. Area near Horseshoe Lake north of Columbia is the only Louisiana site for *Dirca
palustris* (see Thomas, 1973). Two others new to the state: *Quercus oglethorpensis* and *Zan-
thoxylum americanum*.
1975. Massey, J.R. *Fatoua villosa* (Moraceae): additional notes on distribution in
[425] the southeastern United States. Sida 6:116.
See also, Thieret, 1964.
1975. Montz, G.N. The submerged vegetation of Lake Pontchartrain, Louisiana.
[426] U.S. Army Corps of Engineers, New Orleans District, Environ. Qual. Sect.
17 p. Mimeo.
Vallisneria americana, *Ruppia maritima*, and *Najas guadalupensis* most abundant. Distribution
maps.
1975. Noble, R.E. and P.K. Murphy. Short term effects of prolonged backwater
[427] flooding on understory vegetation. Castanea 40:228-238.
Mississippi River bottomland hardwood forest in Tensas Parish sampled before and after flood.
Elimination of six taxa, in contrast to the vegetation's general resilience, carries implications on
range and tolerance of species in an unstable environment.
1975. Pecora, R.A. Rediscovery of *Oscillatoria ludoviciana* Flint and Prescott.
[428] [Abstract.] Proc. La. Acad. Sci. 38:121.
- 1975.* Sand, N.H. and P. Koch. Creole carpentry in 1800. Forests and People
[429] 25(3):16-19, 38-45.

The Kent Plantation House, in Alexandria (Rapides Parish), Louisiana, exemplifies construction practices in which reliance was almost exclusively on local materials. Though French tradition and culture predominated in Louisiana, carpenter's tools of English design seem to have been preferred. *Punch*, 1962 (1976). See also where La. compared with St. Louis in scholarly paper by Charles E. Paterson, "Houses of French St. Louis," in J.F. McDermott, *French in Mississippi Valley*, 1965, 17-40, illus.

1975. Somers, P. and W.R. Buck. *Selaginella ludoviciana*, *S. apoda* and their
[430] hybrids in the southeastern United States. *Amer. Fern J.* 65:76-82.

Hybrids are rare but have been reported for Florida and Louisiana.

1975. Sullivan, V.I. Wind pollination in *Eupatorium* (Compositae). [Abstract.]
[431] *Proc. La. Acad. Sci.* 38:121-122.

1975. Thieret, J.W. *Hemigraphis reptans* (Acanthaceae), a greenhouse weed in
[432] Louisiana. *Sida* 6:115.

1975. Thomas, R.D. and R. Overby. A preliminary survey of the vascular flora of
[433] Caddo Parish, Louisiana. [Abstract.] *Proc. La. Acad. Sci.* 38:122.