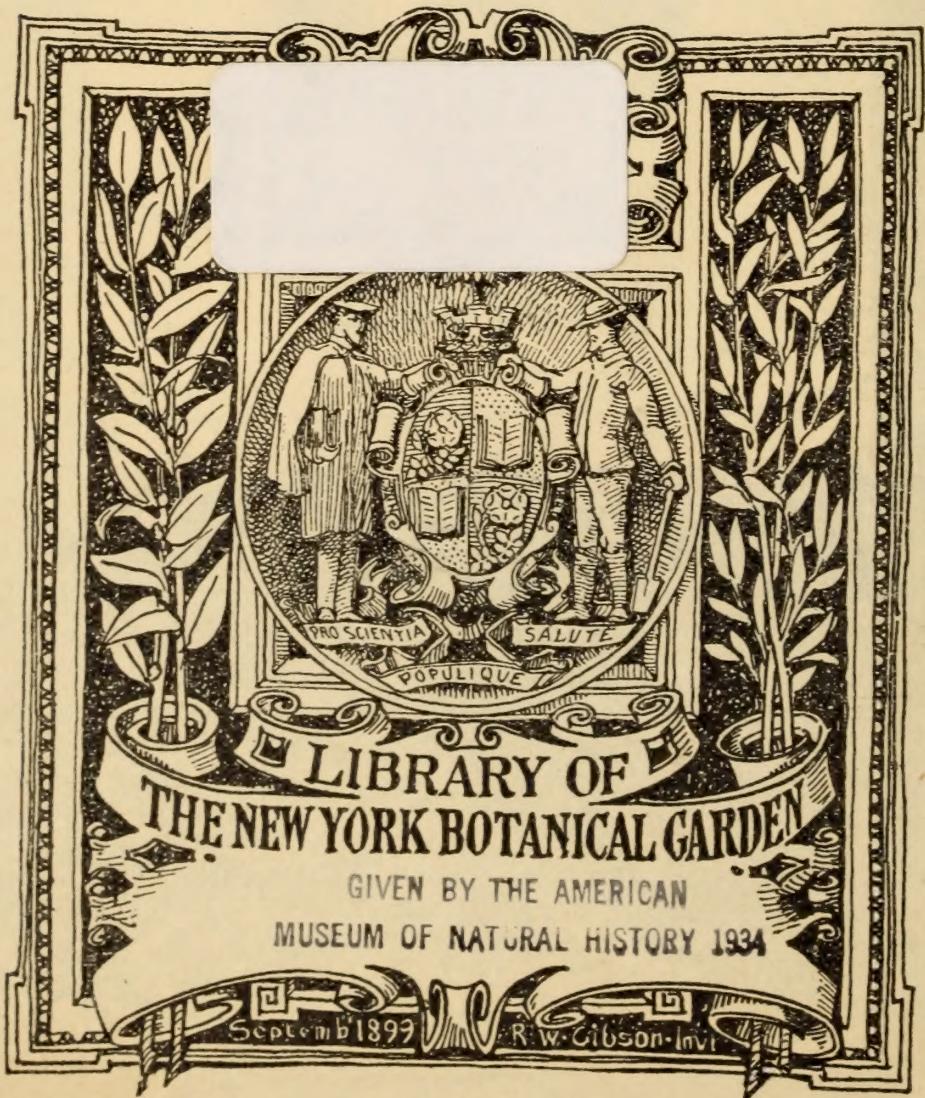
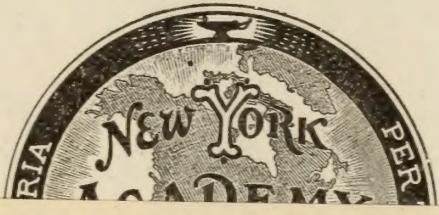
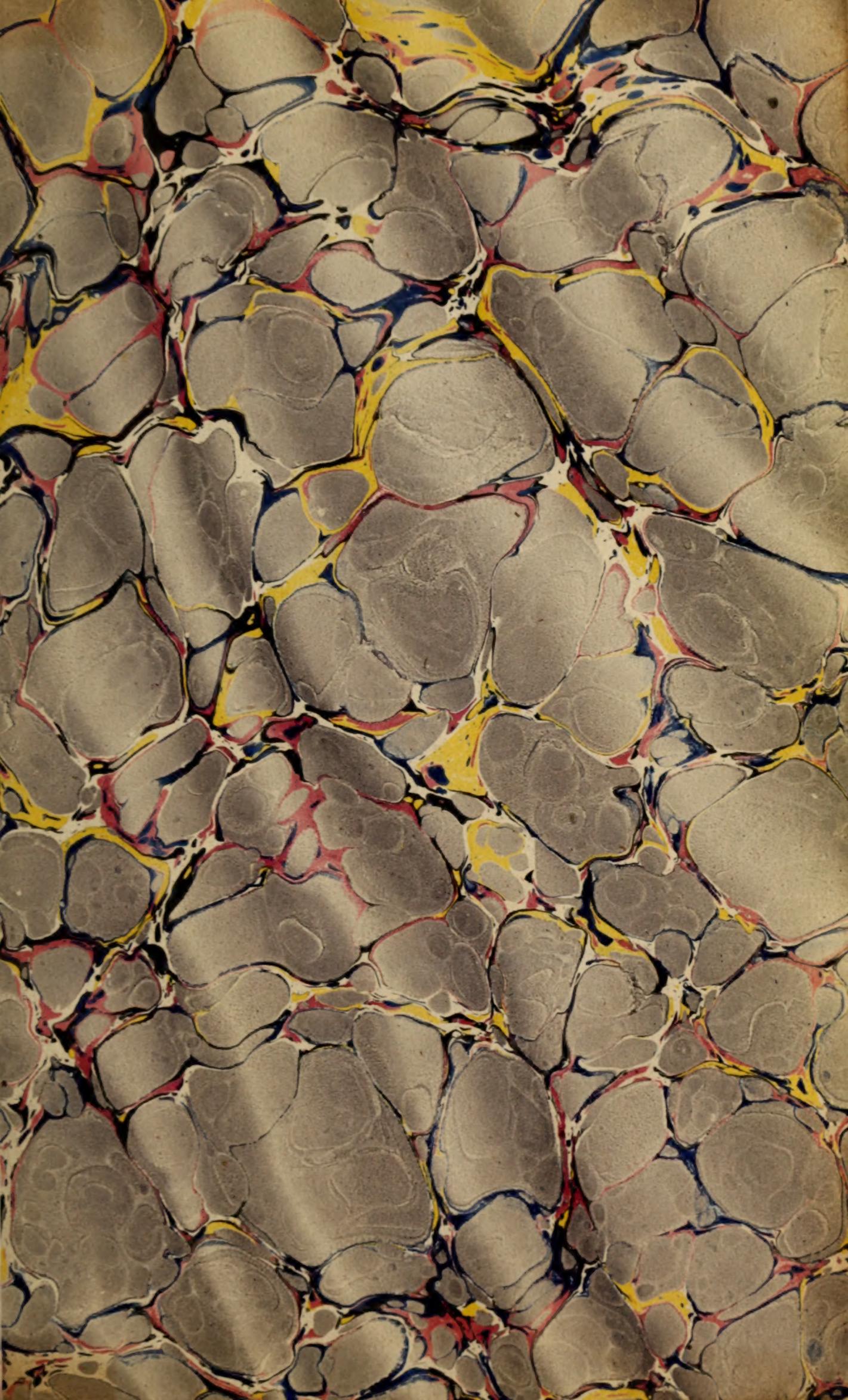


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*bryetus* *melanocephalus*  
*a* *obtusifrons*  
*Hydrophilus*  
  *flagellatus*  
  *limbatus*  
*Berosus*  
  *sticticus*  
*Callyanthia*  
  *marginalis*  
*Cantharis nigricans*  
*Cratonychus*  
  *eugenii*



*Elater* SIR,  
  *querinus*

I have the pleasure to announce to you, that at a Meeting  
of the "LYCEUM OF NATURAL HISTORY," held on  
the 3<sup>rd</sup> instant, you were elected a resident  
Member thereof.

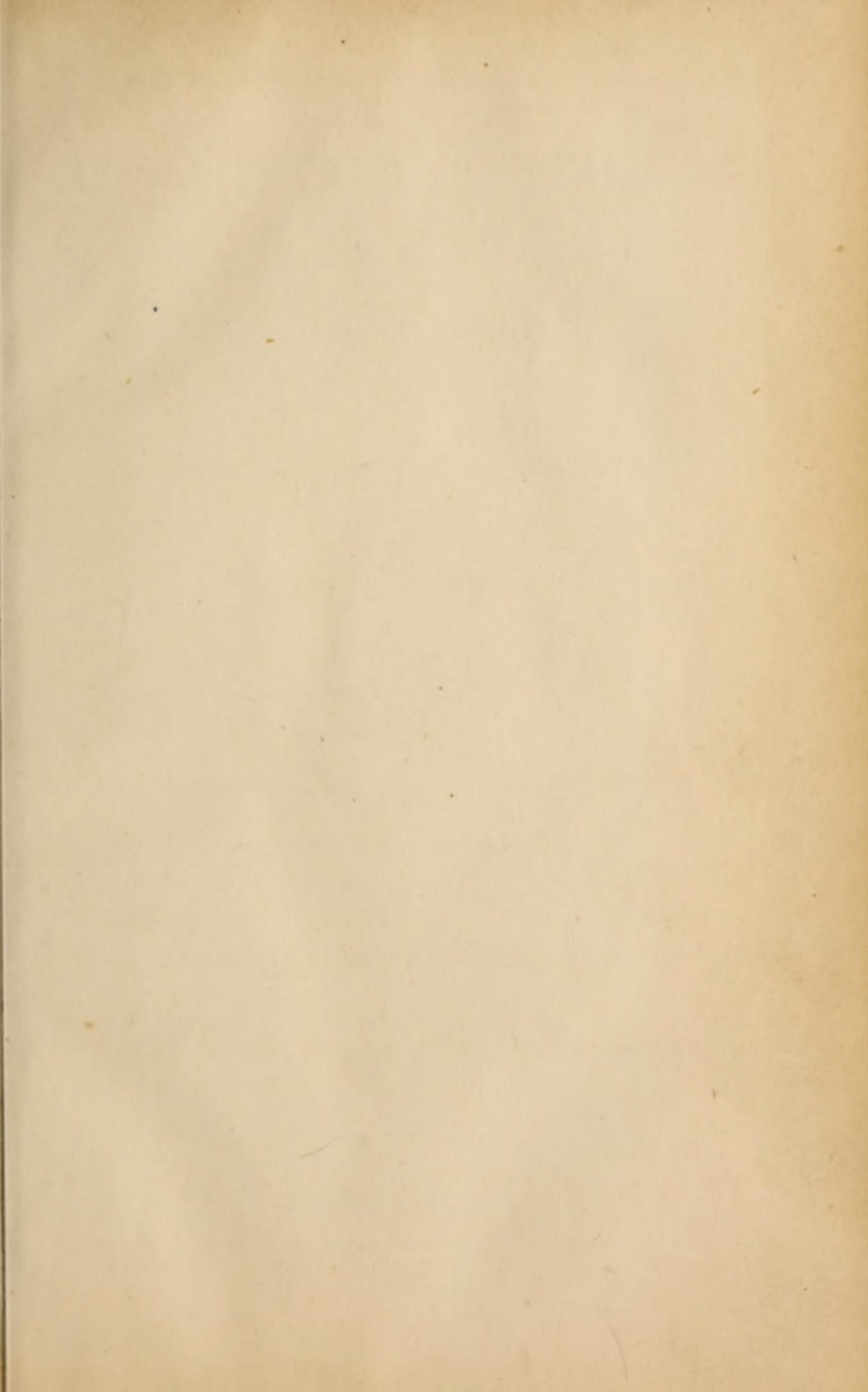
The Meetings of the Lyceum are held on Monday Evening  
of each week, at their New Building, No. 659 Broadway.

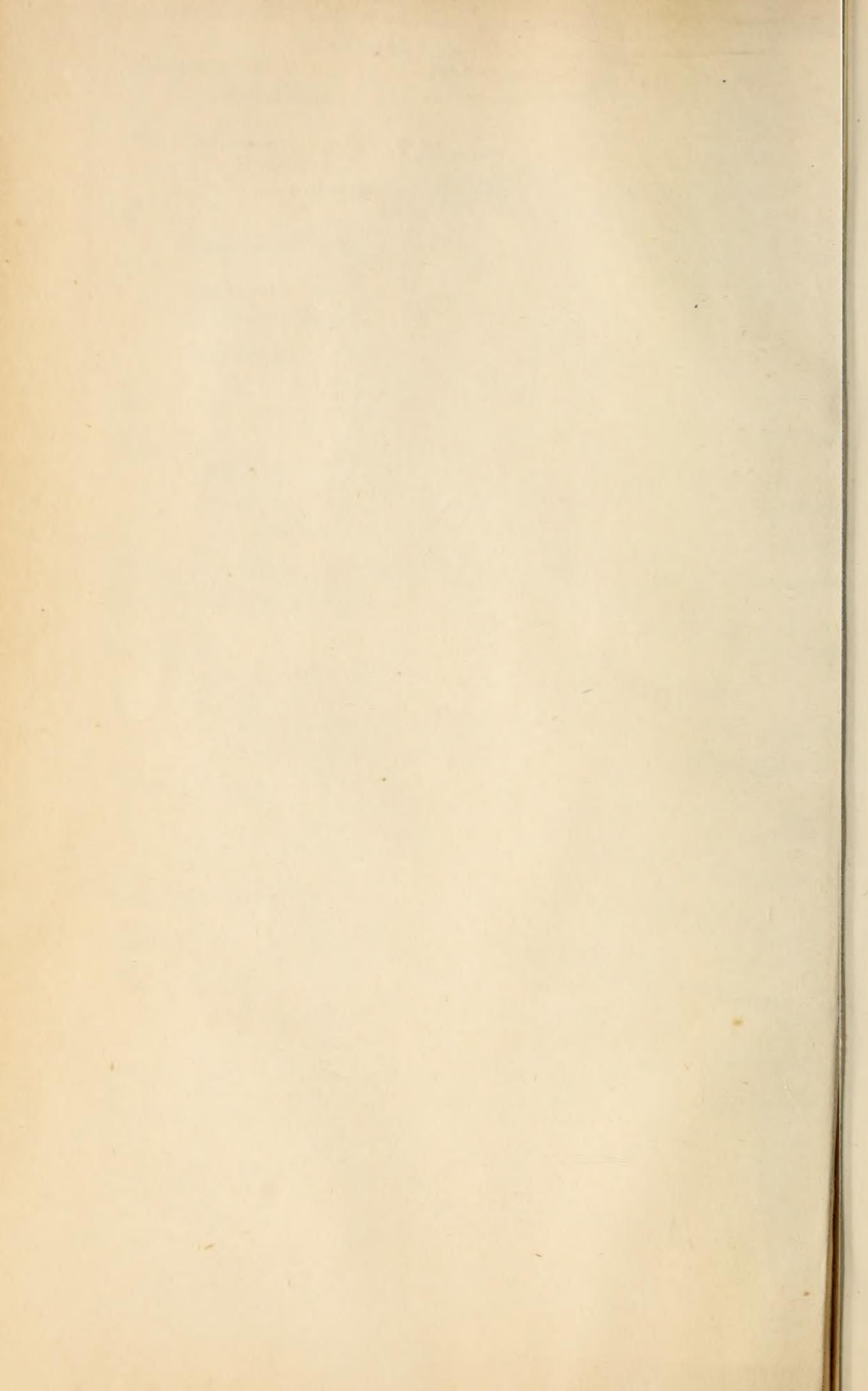
NEW-YORK, May 8<sup>th</sup> 18

*Acmaeodera* *sticticus*  
  *luteola* *melanocephalus*  
*Brachys* *fuscata*  
*Emys* *badius*  
  *cryptopterus*

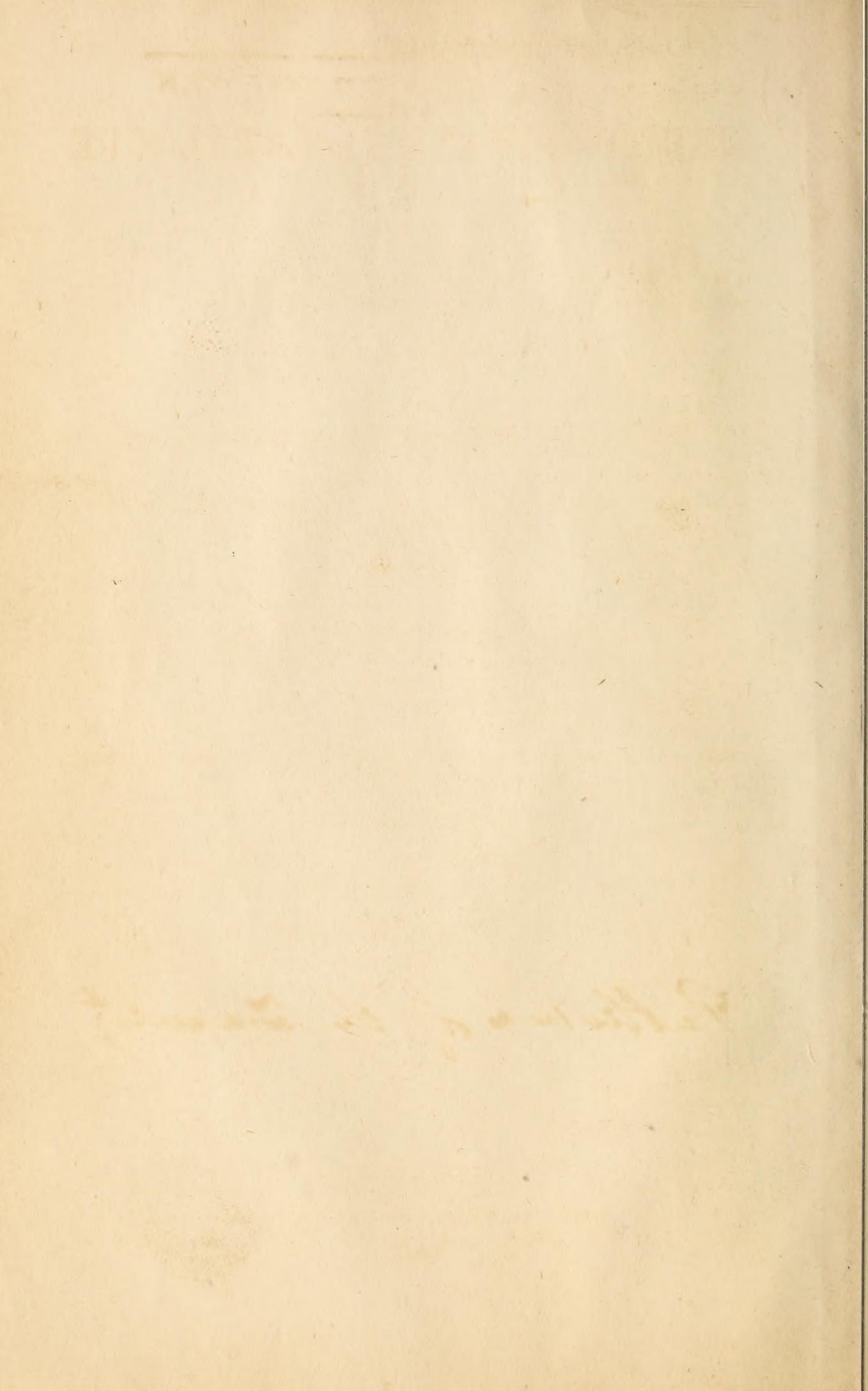
SECRETARY.

|                               |                       |                      |
|-------------------------------|-----------------------|----------------------|
|                               | <i>Sachnophorus</i>   |                      |
| <i>Agyrtes</i>                | <i>pubescens</i>      | <i>Harpalus</i>      |
| <i>ornatus</i>                |                       | <i>pedicularius</i>  |
| <i>Anthonomus</i>             | <i>obsolete-</i>      | <i>viridis</i>       |
|                               | <i>decolor</i>        | <i>erraticus</i>     |
|                               | <i>extensicollis</i>  | <i>Baltimorensis</i> |
| <i>C</i>                      | <i>punctiforme</i>    |                      |
|                               |                       | <i>hyalinus</i>      |
|                               | <i>nemoralis</i> Say  |                      |
|                               | <i>vicinus</i> Say    | <i>Rusticus</i>      |
|                               | <i>pubescens</i> var. |                      |
|                               | <i>Serecens</i>       | <i>Kaleplus</i>      |
| <i>Sc.</i>                    |                       | <i>americanus</i>    |
|                               |                       | <i>maculatus</i>     |
| <i>Dicranus</i>               |                       | <i>Hydrophorus</i>   |
|                               | <i>politus</i>        | <i>rubripes</i>      |
|                               | <i>Simplex</i>        | <i>Gibbosus</i>      |
|                               | <i>elongatus</i>      | <i>Conveyanus</i>    |
| <i>Cratocanthus pennatus</i>  |                       |                      |
| <i>Rembus impressicollis</i>  |                       | <i>Saccophilus</i>   |
| <i>Patrobus</i>               |                       | <i>maculatus</i>     |
|                               | <i>longicornis</i>    |                      |
| <i>Poecilus lucublanda</i>    |                       | <i>Colymbetes</i>    |
|                               |                       | <i>interrogatus</i>  |
| <i>Teronia nigra</i>          |                       |                      |
|                               |                       | <i>Gyrinus</i>       |
| O-                            | <i>polita</i> Harry   | <i>modestus</i>      |
|                               |                       | <i>dichrous</i>      |
| <i>Amara obesa</i> Say        |                       | <i>Cyclous</i>       |
|                               |                       | <i>vittatus</i>      |
| <i>Agonum collaris</i>        |                       |                      |
| <i>Amara impuncticollis</i>   |                       | <i>Aclerus</i>       |
|                               | <i>lucicula</i>       | <i>medialis</i>      |
| <i>Agonodera palipes</i>      |                       | <i>Graephodes</i>    |
|                               |                       | <i>brunneus</i>      |
| <i>Solenophorus impressus</i> |                       |                      |
| <i>C</i>                      | <i>australis?</i>     |                      |
| <i>Bembidium</i>              |                       |                      |
|                               | <i>granarium</i>      |                      |
|                               | <i>laevium</i>        |                      |
|                               | <i>superstre</i>      |                      |
| <i>Acupalpus partitarius</i>  |                       |                      |

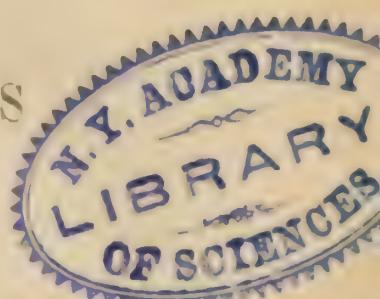








A  
—  
MEDICO-BOTANICAL CATALOGUE  
OF THE  
PLANTS AND FERNS  
OF  
ST. JOHN'S, BERKLY, SOUTH-CAROLINA.



LIBRARY  
NEW YORK  
BOTANICAL  
GARDEN  
—  
INAUGURAL THESIS

SUBMITTED TO THE  
DEAN AND FACULTY OF THE MEDICAL COLLEGE OF THE STATE OF SOUTH-CAROLINA,

FOR THE DEGREE OF M. D.,

BY

FRANCIS PEYRE PORCHER.

*Published by the Faculty.*

CHARLESTON:

PRINTED BY BURGES AND JAMES.

1847.

+ Q N 99

P65

LIBRARY  
NEW YORK  
BOTANICAL  
GARDEN

A

# MEDICO-BOTANICAL CATALOGUE

OF THE

## PLANTS AND FERNS OF ST. JOHN'S, BERKLY, SOUTH-CAROLINA.\*

"The remark of Dr. Macbride to Professor Ives, to the effect, that we should only obtain a knowledge of the natural productions of the country, when literary and philosophical societies shall record the observations, and secure the local Flora's, prepared by accurate examiners."—*Preface to Eaton's Botany, 7th Ed.*

WE shall not here speak of the advantages attending the study either of General or Medical Botany, but only observe, that to the inquirer in this department, complete catalogues of the plants of circumscribed localities are not merely useful by determining the habitat and range of species, but acquire additional value from the fact that they diminish labor. Performing for each locality what Elliott's sketch did for the State at large, they enable the student to confine himself with the same advantage and at the expense of less time and trouble to a limited number. Without being compelled to search throughout the numerous species of a compendious North American Botany, he has only to notice those of whose existence he is already advised. And thus they contribute more rapidly to develope the natural resources around him. We have endeavored to ally this one more closely to medicine, and render it not without interest to physicians generally,

\* This essay was presented to the Faculty of the Medical College of the State of South-Carolina, and obtained the prize, awarded by a committee of medical gentlemen, appointed for the purpose of selecting, from among the theses offered for the degree of M.D., that most worthy of publication.

by inserting numerous references to works which contain desirable information, concerning those possessing medicinal or useful qualities. The investigation necessary for ascertaining and collecting these, has unfolded a vast fund of facts relative to the virtues of a large proportion, as it will be observed, of the plants both obscure and well known among us. It has also convinced us of the truth of the assertion, that we have every means for the preservation and restoration of health, in the indigenous varieties so remarkably abundant in the lower portions of South-Carolina.

It will be seen that we have consulted both the older and more recent works on the *Materia Medica*—from Cullen and Burguis, down to Pereira and Bell. Matson's *Vegetable Practice* to us was worthy of notice—containing as it does exclusive reference to the *herbs* upon which, the so-called, steam practitioners rely. We must not omit calling attention to that very complete and extensive work in 6 vols by Mérat and de Lens, the *Dict. Univ. de Matière Médicale*. In it can be found much concerning our Medical Flora—much that is not generally known or not alluded to in the Dispensatories—and which might be of essential service to those not merely desirous of ascertaining what has already been discovered, but also more thoroughly of investigating the hidden qualities of others. Frequent reference is made to Journals which contain monographs, inaugural theses, and special dissertations on particular plants. Besides a notice of those used in domestic practice on the plantations, we have introduced in a condensed form the diseases to which they have been applied; and that others not recognizing them under their botanical significations alone, may add to this, we will also, where we can obtain them, insert the common names to the medicinal species; these vary in different localities, and of course cannot be relied on. By presenting at one view the immediate sources from whence information is easily procured, each one, having his attention attracted to them, may with greater facility proceed directly to the task of application, examination, or experiment; and thus we endeavor to embrace the true principles of advance, those which enable every individual, to grasp at one glance all that has already been labored through and accomplished by his predecessors, and assuming their limits as the starting point for fresh exertions, make more rapid strides toward new acquisitions. That the materials—the plants themselves, may be easily recognized and obtained, we have been at the pains to mark over against each, the month in which they were collected, and at any time may be found blooming—for the practical botanist, special reference is made to the precise spot where the more rare and remarkable can be seen—and at the instance of the State Geolo-

gist, indicating in every case,\* what kind of lands they prefer, whether oak, hickory, or swamp, whether immersed in ponds flourishing in inundated soils, or living in dry pine barrens.

We must express our very great obligation to H. W. Ravenel, Esq., of North Hampton, St. Johns Berkley, for the use of his catalogue, and for the determination and confirmation of numerous species, but more particularly for the *gramineæ* contained herein. He has also assisted us in the valuable task of adapting many of Elliott's species to the nomenclature of Eaton's Manual and of the still more recent work of Torry and Gray. The former is alluded to because it has been in such general use, the latter is now universally recognized as the standard by which genera are determined and synonomies compared. When that laborious work shall be completed, a science continually undergoing alteration will demand the complete revision of Elliott's sketch.

We also acknowledge the receipt of a list of plants, collected in the lower portion of the Parish by the Rev'd C. Wallace, from this we have derived two or three species which had escaped our notice. To Prof. L. R. Gibbes of the Charleston College, we are indebted for examining with us, and determining several unascertained species. Prof. C. U. Shephard has enabled us to compare some of our plants with those growing in a more northern latitude. Between 50 and 100 doubtful specimens collected by Mr. Ravenel and myself, either not accurately described, or not contained in Elliott, have been transferred to that veteran botanist, Prof. Gray of Cambridge, and we have been gratified at receiving them in time, to enable us to embody and present them to the Faculty of the South-Carolina Medical College.

In order that greater accuracy might be ensured, Dr. John Bachman very kindly allowed us to compare our specimens with his own, and with those in the Herbarium of Mr. Elliott, at present in his possession.

Those alluded to by Elliott or MacBride, as growing in the vicinity of the Santee Canal, which we have not seen, are distinguished by an asterisk (\*); and in the body of the catalogue, we have designated those afterwards referred to as medicinal, by a cross (†), placed on lines running parallel with, and to the left of the columns.

\* Who suggested it for its application in a Geological point of view, where we often predicate concerning the priority, or posteriority of formations, from a knowledge of the vegetable remains found imbedded in the different strata. I am referred to a slight mistake of Mr. Lyell in relation to the *Cupressus disticha*, arising from the want of an accurate acquaintance with these very facts in regard to its permanent emersion or immersion at the base. See Quar Journ. Geol. Socy., for Nov. 1816.

*Indigenous Medicinal Plants of St. John's, Berkley.*

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## ABBREVIATIONS USED.

- U. S. Disp.  
 Thacher's U. S. Disp.  
 Coxe Am. Disp.  
 Pe. Mat. Med.  
 Ed. & Vav. Mat. Med.  
 Eb. Mat. Med.  
 Bell's Pract. Dict.  
 Bergii Mat. Med.  
 Le. Mat. Med.  
 Trouss. et Pid. Mat. Méd.  
 Royle Mat. Med.  
 Mér. et de L. Dict. de Mat. Méd.  
 Cull. Mat. Med.  
 Ball. & Gar. Mat. Med.  
 Bart. Med. Bot.  
 Bart. Coll. to form. of Mat. Med.  
 Chap. Mat. Med. and Th.  
 Woodv. Med. Bot.  
 Big. Med. Bot.  
 Ell. Bot. Med. Notes.  
 Dray. View.  
 Shec. Fl. Carol.  
 Mat. Veg. Pract.  
 Fr. Elems.  
 Culpepper Eng. Phys.  
 Watson's Pract. Physic.  
 Lind. Nat. Syst. of Bot.

\* [In the original manuscript the catalogue followed the prefatory remarks; but as a division was necessary, we have taken the liberty to disturb the natural sequences, by reversing it, that we may add the result of Dr. Gray's examination of duplicates not yet returned.]

*Achillea Millefolium*, (Milfoil.)—U. S. Disp., p. 1222 Appendix; Ed. & Vav. Mat. Med., 267; Le. Mat. Med., v. II., 108; Hoffman "De praestantia remed. domest.," 18; Bergii Mat. Med., 738; Mat. Veg. Pract., 299; Mer. & DeL. Diet. de Mat. Med., t. I., 22; Shec. Fl. Carol., 91; Lind. Nat. Syst., 253. It increases the intoxicating effects of drinks, and is used as a remedy for the involuntary discharge of urine in children. A tonic and antispasmodic in passive hemorrhage and leucorrhea.

*Acorus Calamus*, (Calemus.)—Pe. Mat. Med. and Therap., II., 76; Royle's Mat. Med., 602; Le. Mat. Med., I., 251; Hoffman Observations Phys. Chim., t. I., Obs. I.; Ell. Bot. Note, I., 403; U. S. Disp., 145; Ed. & Vav. Mat. Med., 281; Ball. & Gar. Mat. Med., 431; Bergii Materia Medica, 287; Mer. & De L., t. I., 63; Woody. Med. Botany, Ann. de Chim., LXXXI., 332; Coxe Am. Disp., 18; Shec. Fl. Carol., 96. An aromatic stimulant and stomachic. Ed. & Vav. state that it has been administered successfully in intermittent fever. "On l'a beaucoup vanté pour combattre les symptômes cérébraux qui accompagnent la seconde période des fièvres dites ataxiques." Op. cit., 282. It is used as a remedy for flatulency.

*Achyranthes repens*, (Forty knot.)—Fr. Elems., 287. A valuable diuretic in ischury and dysury.

*Aesculus parva*, (Buck eye, Horse chesnut.)—Shec. Fl. Carol., 105. Relieves tooth-ache; has the property of intoxicating fish when thrown in pools of standing water. (See Ell. Bot.) Starch is made from the fruit.

*Agave Virginica*.—Ell. Bot., I., 402. A domestic remedy for flatulent colic; used in St. John's for the bite of the rattle-snake; called, by negroes, rattle-snake's master. It grows in Wassamasaw, and is not very common.

*Agrimonia eupatoria*, (Agrimony.)—Ed. & Vav. Mat. Méd., 133; Parr's Med. Dict., art. Agr. eupatoria; U. S. Disp., 1224; App. Le. Mat. Med., I., 42; Cullen's Mat. Med., II., 31; Bergii Mat. Med., I., 404; Mer. & De L. Diet. de Mat. Med., t. I., 114; Shec. Fl. Carol., III.; Lind. Nat. Syst. of Bot., 114. With bismuth, it imparts a golden dye to wool. An astringent in passive hemorrhage, gonorrhœa and leucorrhœa, highly recommended as a deobstruent in jaundice and visceral obstructions. (See Op. cit.) The Indians use it intermittent fever.

*Aletris aurea*, (Yellow Star Grass.)—Ell. Bot., I., 39; Fr. Elems., 283; U. S. Disp., 67. Purgative and nauseating in large doses.

*A. farinosa*, (Unicorn Root.)—Pe. Mat. Med. and Therap., II., 121; Fr. Elems., 283; Mer. & DeL. Diet. de Mat. Med., t. I., 161; Lind. Nat. Syst. of Bot., 353; Big. Am. Med. Bot., III., 92; Clayton's Phil. Trans., abr. VIII., 333; Cutler Am. Acad., I., 435. Both of these plants have been used with success in in-

intermittent fevers, attended with dropsical swellings—loc. cit. Employed as a tonic in domestic practice on the plantations.

*Alnus serulata*, (Alder.)—Shec. Fl. Carol., 273; see *Betula alnus*, (op. cit.) Used as an alterative in scrofula.

*Ambrosia artemisifolia*.—Mer. et DeL. Dict. de Mat. Med., t. I., 227.

*Amaryllis atamasco*, (Atamasco lily.)—Ell. Bot., I., 384; supposed to produce the disease in cattle called 'staggers.'

*Anagallis arvensis*, (Red chickweed.)—U. S. Disp., 1227, app.; Le. Mat. Med., I., 80; Mer. & DeL. Dict. de Mat. Med., t. I., 276; Woodv. Med. Bot. Orfila Toxicologie, II., 275; Mem. Acad. Royal de Med., 18, Mars. An., 1826. In repute as a remedy for the bite of the viper. Shec. Fl. Carol., 151—"Possesses sudorific, vulnerary, anti-epileptic and anti-hydrophobic virtues." Lind. Nat. Syst. of Bot., 224—"Really possesses highly energetic powers: for Orfila destroyed a dog by making him swallow three drachms of the extract." Op. cit. Woodville states that it is acrid and poisonous. Used as a local application in ill-conditioned ulcers, and internally in visceral obstructions, dropsy, epilepsy and mania.

*Andromeda mariana*.—U. S. Disp., 1228, app.; Mer. & DeL. Dict. de Mat. Med., t. I., 289; Coxe Am. Disp., 84; Shec. Fl. Carol., 156. Employed in domestic practice; remedy for herpes, &c.; as a wash for ulcers to which negroes are liable.

*And-nitida*, (Sorrel tree, Male whortle-berry.)—Ell. Bot. Med., note I., 483. A decoction of leaves used in the cure of itch.

*And-arborea*, (Sorrel tree.)—U. S. Disp., app. 1227. Leaves, when chewed, allay thirst.

*And-speciosa*.—U. S. Disp., app. 1228. Said to be a powerful errhine.

*Apoynum cannabinum*, (Indian hemp.)—Pe. Mat. Med., II., 365; Jour. of Phil. Coll. of Pharm., V., 136; Am. Jour. of Med. Science, XII., 55; Dr. Griscom, in Op. cit., U. S. Dis., 108; Am. Med. Rev., III., 197; Bell Pract. Dict. of Mat. Med., 61; Ball. & Gar. Mat. Med., 333; Merat & DeL. Dict. de Mat. Med., t. I., 368. Used in domestic practice in St. John's; called, by the negroes, Gen'l. Marion's weed, from its having been a favorite remedial agent in his camp; a powerful emetic and cathartic; promotes diaphoresis and expectoration. "Decoction acted as a powerful hydragogue cathartic, and completely cured an aggravated case of ascites."

*Arachis hypogea*, (Ground nut.)—Shec. Fl. Carol., 191. Said to possess aphrodisiac properties. "English Physician," by Nich. Culpepper, p. 85.

*Aralia spinosa*, (Prickly ash, Hercules club of the negroes.)—Ch. Mat. Med., II., 231; Fr. Elems., 20; Ell. Bot., 373; Mer. & DeL. Dict. de Mat. Med., t. I., 379; Coxe Am. Disp., 100; Shec.

Fl. Carol., 191. Used in lues venerea. The rattle-snake's master, par excellence of the negroes; they rely upon it almost exclusively as a remedy for the bite of serpents. I have been informed by one who possessed some local reputation as a leech, that he administered the bark of the root in substance; from him has been derived some information concerning plants used in domestic practice, and also those derived from the Indians. Merat says that it is employed in rheumatism, to allay pain caused by carious teeth, and in violent colics. "Probably to be preferred to any emetic yet discovered, among our native plants."

*Archangelica triquinata*, (Angelica lucida of some authors.)—Le. Mat. Med., L, 85; U. S. Disp., 98; Woody. Med. Bot., S6, 35; Journ. de Pharm., 3, ser. 2, 124; Pe. Mat. Med. and Therap., II., 469; Ed & Vav. Mat. Med., 276; Mer. & DeL. Dict. de Mat. Med., t. I., 297; Shee. Fl. Carol., 167. This possesses more aroma than any of our indigenous plants; used in spasmodic vomiting, flatulent colics and nervous head-aches; some say it is powerfully emmenagogue.

*Argemone Mexicana*, (Prickly Poppy.)—Me. & De. L., Dict. Univ. De. Mat. Med. T. I, 395; Jour. de Pharmacie, XIV, 73; Bull. des. Sc. Med. de Ferus VIII, 210; De Cand. Essay, 116. The negroes of Senegal use a decoction of the root in Gonorrhœa. In Java, they employ it in inveterate cutaneous diseases, and as a caustic in Chancres. In the Indies, in Ophthalmia and Coup de Soleil. "The flowers are narcotic, and the seeds may be substituted for Ipecacuanha." See the Dict. de Mat. Med. A more careful examination of this plant might well repay the labor bestowed upon it.

*Aristolochia Serpentaria*, (Small or Virginia Snake Root.)—Ed. & Vav. Mat. Med., 249; Ed. Mat. Med. and Therap. I., 280; Trouv. & Pid. Mat. Med., I. 336; Le Mat. Med. I, 163; Fr. Elems., 520; Bell's Pract. Dict. Mat. Med., 420; Royle Mat. Med., 532; U. S. Disp. 658; Pe. Mat. Med. & Therap. I, 231; Journ. de Pharmacie, VI., 365; Jour. de Chimie, Med. T. VII., 493; Sydenham, Peechey's Trans. 4 Ed. 33; Ball. & Gar. 375; Cull. Mat. Med. II, 85; Bergii Mat. Med. II, 765; Mer. & de L. Dict. de Mat. Med. t. I., 415; Big. Am. Med. Bot. III., S2; Murray, App. Med. I., 348; Chap. Therap. and Mat. Med. II., 411; Lind. Hot Climates, 104, 254; Shee. Fl. Carol. 203; Lindley's Nat. Syst. of Bot., 206; Barton's Med. Bot. II., 51; Woody. Med. Botany. Well known as a tonic and diaphoretic—of great value in the treatment of Typhus fever, in Chlorosis, atonic affections of intestinal canal; indicated where we wish to stimulate, and excite at the same time a free diaphoresis and diuresis. It promotes the cutaneous secretions in exanthematous diseases, where the eruptions are tardy. Used

very considerably among the negroes on the plantations. Its effects are increased by uniting with camphor.

*Arum Tryphyllum*, (Wake robin—Indian turnip.)—Chap. Therap. II., 41; Matson's Veg. Pract., 295. Thomson also in the Steam practice. Eb. Mat. Med. & Therap. II., 437; U. S. Disp. 123; Pe. Mat. Med. II., 78; Big. Am. Med. Bot. I., 52; Am. Jour. of Pharm. XV., 83; Thacher's U. S. Disp., Art. A triphyllum, 153; Cullen's Mat. Medica II., 211 and 554; Mer. de L. Dict. de Mat. Med. t. 1, 460; Coxe. Am. Disp., 121; Big Am. Med. Bot. I., 52; Schoepf. Mat. Med., 133; Op. Cit. Rush II., 301; Barton's Coll. to form. of Mat. Med., 29; Shec. Fl. Carol., 273; McCall in Phil. Med. Jour. II, 84; Cutler's Am. Acad. I., 487; Lind. Nat. Syst. of Bot., 364. “Milk in which the acrid principle of the *A. triphyllum* has been boiled, has been known to cure consumption!” De. Cand. cit. in Lind. In the Nat. Syst. Bot. p. 364. Lindley remarks of some of this class, “That the spadines disengage a sensible quantity of heat when they are about to open.” Agardh, considers that the acrid principle, which notwithstanding its fugacity, has lately been obtained pure, is of great power as a stimulant. In corroboration, I would mention that I have produced vesication merely by placing a small portion of the stem of the *Arum Walteri*, in contact with the unbroken skin, both species are very irritating to the Fauces. The root sliced, used as an application for poison from the ivy. “In the chronic asthmatic affections of old people, it is a remedy of very considerable value.” According to Dr. Thacher of approved efficacy in Rheumatism, and aphthous sore-throat.

*Asarum Canadense*, (Wild ginger.)—Pe. Mat. Med. II., 234; Fr. Elems. 220; Am. Jour. of Pharm. X., 186; Dict. Univ. des drogues simples, An., 1733; U. S. Disp., 125; Cull. Mat. Med. II., 473-553; Me. and De. L. Dict. Univ. de Mat. Med. t. I., 463; Big. Am. Med. Bot. I., 149; Schoepf. Mat. Med. 72, in op. cit. Barton's Coll. to Mat. Med. 26,48; Coxe's Am. Disp. 368; Lind. Nat. Syst., 206. A stimulant and diaphoretic “applicable to similar cases with serpentaria.” Used among the people as a substitute for ginger. A friend, who has employed it to some extent on his plantation, informs me that in large doses it is a never failing emetic. More than a teaspoonful of the root taken in warm water at a dose.

*A. Virginicum*, (Heart Snake Root.)—Fr. Elems. 219; Shec. Fl. Carol. 218. “As a stimulating diaphoretic, fully equal to the aristolochia serpentaria.”

*A. Arifolium*.—Shec. Fl. Carol. see *A. Eucopeum*, 217. An emetic and errhine, used in paralysis of mouth and tongue.

*Asclepias tuberosa*, (see *A. decumbens* of some authors; Pleurisy Root, Butterfly weed.)—Pe. Mat. Med. and Therap. II., 347;

Chap. Mat. Med. and Therap. I, 351; U. S. Disp., 127; Ed. & Vav. Mat. Med., 315; Eb. Mat. Med. II, 219; Ed. Bot. I, 326; Big. Am. Med. Bot. II, 65; Thacher's Disp. Art. A. tuberosus, 154; Bart. Med. Bot. I, 244; Lind. Nat. Syst. 304; Am. Med. Record. III, 334; Chap. Therap. and Mat. Med., 389; Fr. Elems. 217; Bell's Pract. Dict. Mat. Med., 82; Cull. I, 6; Me. & de L. Dict. de Mat. Med. t. 1, 467; Prodr. 458; An. 1810; Shec. Fl. Carol. 220; Bart. Coll. Mat. Med., 48; Lind. Nat. Syst., 304. Used in Dysentery, and as an escharotic for fungous growths. Diaphoretic sudorific and purgative; "has the singular property of exciting general perspiration without increasing in any perceptible degree the heat of the body." (Lindley see A. decumbens.) Of some value in Rheumatism, Catarrh, subacute Pneumonia, and in Phthisis as a palliative. Dr. Macbride, experimented very largely with this plant.

*Asclepias Verticillata*, (Dwarf Milkweed.)—Domestic remedy in repute for bite of snakes. This is said to be very deservedly celebrated by those who have used it in the upper districts of South-Carolina.

*Asparagus officinalis*, (Grows wild on banks of Cooper River.)—U. S. Disp. 1230 App.; Ed. & Vav. Mat. Med., 318, &c.

*Aster tortifolius*.—Used in domestic practice.

*Baccharis halimifolia*, (Sea Myrtle, Consumption weed.)—Shec. Fl. Carol, 256. This plant is of undoubted value and of very general use in domestic practice as a palliative and demulcent in consumption and cough. "The Bark is said to exude a Gum so much resembling honey, as to attract bees in great numbers." Shec. loc. cit.

*Baptisia tinctoria*, (Wild Indigo.)—Barton's Med. Bot. II, 57; U. S. Disp., 1231; Lind. Nat. Syst. Bot. 153. In large doses a cathartic and emetic, roots and herbage possess antiseptic properties. Dr. Comstock, speaks highly of its efficacy in threatened or existing mortification—virtues reside in cortical part of the root. Eberle uses a decoction in aggravated cases of ulcerated Umbilicus; see "Diseases of children," p. 98.

*Berberis canadensis*, (Barberry.)—U. S. Disp., 1233 App.; Lind. Nat. Sys. Bot. 30; Shec. Fl. Carol, (see B. vulgaris,) 268. Domestic remedy for Jaundice. Root used as a yellow dye. The irritability of its stamens is very remarkable. It is said to have a singular effect upon wheat growing near it, turning the ears black for 50 or 100 yards around.

*Bignonia capreolata*.—Shec. Fl. Carol., 278, (see B. Setigera.) A detergent and alterative, very similar to sarsaparilla.

*Buseus sempervirens*, (Box.)—Ed. & Vav. Mat. Med., 512; Le. I, 244; Bergii. Mat. Med. II, 799.

*Cactus*.—See *Opuntia*.

*Callicarpa Americana*, (French Mulberry.)—Dray. View. S. C., 62. Said to be useful in dropsical complaints.

*Callitricha Verna*, (Water chick weed.)—Shec. Fl. Carol., 326. Domestic remedy in dropsy.

*Caprifolium*.—See *Lonicera*.

*Catalpa Cordifolia*, (Catalpa.)—U. S. Disp., 1240; Journ. Phil. Coll. Pharm. VI., 352; Shec. Fl. Carol., 276. See *Bryonia catalpa*. Decoction used by Japanese in Asthma.

*Capsella Bursa pastoris*.—See *Thlaspi Le. Mat. Med. I.*, 243; *Bergii. Mat. Med. II.*, 589; *Me. & de L., Dict. de Mat. Med. t. VI.*, 732.

*Cassia chamaechrista*, (Cassia.)—*Me. & de L. Dict. Univ. de Mat. Med.*, t. II., 129. Leaves are purgative

*C. Occidentalis*.—*Me & de L. Dict. de Mat. Med. t. II.*, 130; Marcgrave in his Hist. of Brazil, mentions it as a remedy against the poison of venomous animals, and in strangury. It is also useful as an application in inflammation of the anus, and erysipelatous eruptions. *Merat. Loc. cit.*

*Castanea pumila*, (Chinquapin.)—U. S. Disp., 189. Bark employed in the cure of intermittents, of no great value.

*Ceanothus Americana*, (New-Jersey Tea tree.)—Ferrein Mat. Med. III., 338; U. S. Disp., 1240 App.; Ell. Bot. 291; Boston Med. & Surg. Journ., 1835; Lind. Nat. Syst., 108; *Me. & de L. Dict. de Mat. Med.*, t. II., 165. An astringent in gonorrhœal discharge. Mr. Tuomey informs me, that great use is made of it in domestic practice in Chesterfield district, S. C. An infusion of the leaves was employed during the Revolutionary War, as a substitute for tea. I have experimented with the green leaves, and obtained a liquor somewhat resembling common tea, both in color and taste. Referring to its antisyphilitic powers, Ferrein says, “Elle guerit aussi en moins de quinze jours les veneriens les plus invétérés.” The Indians used it in diseases of this class.

*Celtis occidentalis*, (Sugar berry.)—*Me. & de L. Dict. de Mat. Med. t. II.*, 170; Flore. Med. I., 90. A febrifuge.

*Centaurea benedicta*, (Blessed thistle.)—Trous. et Pid. Mat. Med. and Therap. t. I., 253; Thompson Steam Pract.; Ed. & Vav. Mat. Med., 179; U. S. Disp. 196, Le I., 202; Pe II., 408; Woody. Med. Bot. 34, t. 14; Ann. de Therap. An. 1843, 206; *Bergii M. Med. I.*, 747; *Me. and de L. dict. de Mat. Med. t. II.*, 171; Used in Dyspepsia, chronic Diarrhœa and Gout. Woody. loc cit. “It possesses marked tonic properties.” A large dose of decoction is emetic. It is employed as a febrifuge, in dyspepsia, pleurisy and chronic peripneumony. *Ed. & Vav. loc. cit.*

*Cephalanthus occidentalis*, (Button Wood.)—Ell. Bot 187. Dray. View. S. C. 62; *Me. & de L. Dict. de Mat. Med. t. II.*, 176; Shec. Fl. Carol. 376. Decoction used as a wash in palsy,

Elliott states that the inner bark of the root is frequently employed in obstinate coughs. loc. cit. sup. Mérat notices it as an anti-venereal.

*Cerasus serotina*, (Wild Cherry.)—(See prunus of some authors.) U. S. Disp., 576; Journ. Phil. Coll. Pharm. X., 197, and XIV., 27; Bell's Pract. Dict., 389; Eb. Mat. Med. & Therap., 300; Pe. Mat. Med. & Therap. II., 538; Le. II., 487. Phil. Trans. No. 418; Michaux N. Am. Sylv. II., 205; Ball. & Gar. Mat. Med., 273; Cull. M. Med. 288; Lind. Nat. Syst. Bot. 147; Woody. Med. Bot. (P. laurocerasus.) Leaves sedative and anti-spasmodic. Coughs. Angina Pectoris, &c. Adapted to dyspepsia with neuralgic symptoms. Dr. Eberle states that the cold infusion had the effect of reducing his pulse from 75 to 50 strokes in the minute.

*Chenopodium botrys*, (Worm Seed, Jerusalem Oak.)—Le. I., 235; Ed. & Vav. Mat. Med., 304; U. S. Disp. 206; Bergii Mat. Med. I., 181; Me. & de L. Dict. de Mat. Med. t. II., 225; Shee. Fl. Carol. 388. An infusion administered in hysteria, chronic catarrhs and humoral asthma.

*Chenop. album*.—Mer. & DeL. Dict. de Mat. Med., t. II., 223; Phys. Med. Trans., Calcutta, II., p. 40. A sedative and diuretic. Hemorrhoids.

*Chenop. anthelminticum*, (Jerusalem oak.)—Eb. Mat. Med., 218; Pe. II., 274; Ell. Bot., I., 331; Chap. Therap. and Mat. Med., II., 71; Dray. View S. C., 65; Fr. Elems., 191; U. S. Dis., 206; Bart. Med. Bot., II., 183; Am. Journ. Pharm., V., 180; Bergii Mat. Med., t. I., 183. Well known as "one of the most efficient indigenous anthelmintics," adapted to the expulsion of lumbrici in children. It is employed on plantations to a considerable extent.

*Chelone glabra*, (Snake head.)—Mat. Veg. Pract., 215. Administered as an anthelmintic; in jaundice, hepatic disorders and constipation.

*Chemaphila maculata*.—(The C. mac. and Pyrola maculata have been sometimes confounded, and the references apply to either, both commonly called Pipsissewa, Winter-green.)—Chap. Therap. and Mat. Med., I., 313; Eb. Mat. Med., II., 321; Ell. Bot., 505; Eat. Man. Bot., 240; Bell's Pract. Dict., 128; Mitchell's Inaug. Thesis, 1803; Ed. & Vav. Mat. Med., 320; Pe. Mat. Med., II., 380; U. S. Disp., 208; Bart. Coll. to form. Mat. Med., pt. II., 21; 3d Ed. Lind. Nat. Syst. Bot., 219. A diuretic—root and leaves used as a wash for sores and ulcers. It has been successfully administered in ascites, in acute rheumatism, and in various intermittent disorders, and is useful in a variety of cases of gravel, strangury and hæmaturia. The Indians regarded it as of universal efficacy—loc. cit.

*Chionanthus virginica*, (Fringe tree.)—Ell. Bot., 6. An infusion of the root given in long standing intermittents.

*Chrysanthemum leucanthemum*, (One-eyed daisy.)—Shec. Fl Carol., 394; Mer. & DeL. Dict. de Mat. Med., t. II., 271; Nouv. Jour. de Med., V., 208. Administered in leucorrhœa.

*Cicuta maculata*, (Hemlock.)—Mer. & DeL. Dict. de Mat. Med., t. II., 282; Big. Am. Med. Bot., I., 125; Schoepf. Mat. Med., 36—in op. cit.; Bart. Coll. to form. of Mat. Med., 18, 46; Stockbridge New Eng. Journ., III., 334; Mitchell, Ely & Muhlenberg Med. Repos., XVII., 303. This plant has repeatedly occasioned the death of those mistaking it for others. It is a narcotic poison, used as a substitute for conium. The vegetable acids, lemon juice and vinegar, neutralize its effects. Strong tea and coffee are the best antidotes for the stupor which follows its employment.

*Clematis crispa*.—Mer. & DeL. Dict. de Mat. Med., t. II., 311; Shec. Fl. Carol., 418. A dangerous vegetable caustic, acting as a substitute for cantharides; also applied to rheumatic limbs, paralysis and gout. See *C. vitalba*.

*Collinsonia scabra*, (Rough-leaved collinsonia.)—Mer. & DeL. Dict. de Mat. Med., t. II., 364. Possessed of properties analogous to the *C. canadensis*. Tonic astringent and diuretic; the latter, says Merat, has some reputation in dropsy of the ovaries, catarrh, and inflammation of the bladder. ("Catarrh de la vessie.")

*Commelina communis*.—Mer. & DeL. Dict. de Mat. Med., t. II., 372.

*Convulvulus panduratus*, (Wild Potato vine.)—Barton's Coll., pt. II., 49; U. S. Disp., 269; Ell. Bot., I., 254; Mer. & DeL. Dict. de Mat. Med., t. II., 409; Coxe Am. Disp., 226; Lindley's Nat. Syst. Bot., 231; Bart. Med. Bot., I., 252. Used as a substitute for jalap. Diuretic. In the form of infusion, said to be very serviceable in calculous complaints. See the investigations of Dr. Harris.

*C. battatus*.—See Shec. Fl. Carol., 434.

*Cornus florida*, (Dog-wood.)—Eb. Mat. Med., 303; Chap. Therap. and Mat. Med., II., 438; Ell. Bot., I., 208; Dray. S. C., 63; Bell's Pract. Dict., 152; Pe. Mat. Med., II., 753; U. S. Dis., 277; Ed. & Vav. Mat. Med., 197; Am. Jour. Pharm., VII., 114; Royle Mat. Med., 422; Ball. & Gar., 310; Mer. & DeL. Dict. de Mat. Med., t. IV., 436; Big. Am. Med. Bot., II., 73; Shec. Fl. Carol., 449; Walker's Inaug. Dis. Phil., 1803; Bart. Coll. Mat. Med., 12; Thacher's Disp., 203; Lind. Nat. Syst. Bot., 49; Fr. Elems. Possessing properties very nearly allied to those of cinchona. In intermittents, one of the most useful of our indigenous plants; generally given in conjunction with a few drops of laudanum. It has, also, some antiseptic powers.

*Cornus stricta*.—Shec. Fl. Carol., 449.

*Crætagus crus-galli*.—Mer. & DeL. Dict. de Mat. Med., t. II., 460.

*Cyrilla racemiflora*.—Ell. Bot., I., 295. Used as a styptic, and applied to ulcers, where the indication is to cicatrize them.

*Cucurbita lagenaria*, (Gourd, Calabash.)—Ed. & Vav. Mat. Med., 563; Le. Mat. Med., I., 379; Mer. & DeL. Dict. de Mat. Med., t. II., 492. An infusion in inflammation of the urinary passages.

*Cupressus distycha*, (Cypress.)—Shec. Fl. Carol., 481.

*Cuscuta americana*, (Love vine.)—Mer. & DeL. Dict. de Mat. Med., t. II., 527, in op. cit.; Flore Med. des Antilles, II., 334; Shec. Fl. Carol., 485. Imparts a yellow dye to cloths. Said to be laxative and hydragogue.

*Datura stramonium*, (Jamestown weed, Thorn apple.)—Trou. et Pid. Traite de Therap. et de Mat. Med., t. I., 230; Jour. Univ. des Sc. Med., t., 46, 227; Orfila Traite de Toxicol.; Ell. Bot., 276; Dray. S. C., 63; Edinb. Med. and Surg. Journ., VII. and VIII., an. 1812; Trans. Med. Chirur. Soc. Edinb., I., 285; Archives generales de Medecine, t. 14, 373; Med. Chi. Trans. London, VII., ann. 1806; Bell's Pract. Dict., 434; Eb. Mat. Med., II., 80; Ed. & Vav. Mat. Med., 438; Pe. Mat. Med., II., 309; Fr. Elems., 460; U. S. Dis., 688; Watson's Prat. Physic, 197; DeCaud. Phys. Veg., I., 354; Bayle. Bibl. Therap., t. II.; Big. Am. Med. Bot., I., 17; Woody. Med. Bot., 197, 74; Traite de Chimie., VI., 319; Paris Pharm.; Barton's Essay, Form. Mat. Med., 48; New Eng. Med. and Surg. Journ., IV., 226; Med. Chirurg. Trans., VII., 2; Ball. & Gar., 346; Cull. Mat. Med., II., 281; Bergii Mat. Med., I., 122; Mer. & DeL. Dict. de Mat. Med., t. II., 593; Bull. des Sc. Med. Ferusac, XI., 197; Ludenstolpe "De Venenis," 531, in Op. cit.; Sauvage's Nosol., II., 430; Greding in Ludwig's "Adversaria," I., 345; Murray App. Med., I., 670; Fowler in Med. Com., V., 161; Adhelius cit. in Med. Com. Phil. Trans. Abr., VI., 53; Rush in Phil. Trans., I., 384; Schoepf. Mat. Med., 24; Wedinburg in Med. Comment., III., 18; Beverly's Hist. Virg., 121; Med. and Phys. Jour., XXV. XXVI.; Cooper in Caldwell's Theses, vol. I; cit in Big. Am. Med. Bot.; Shec. Fl. Carol., 497; New-York Med. Repos., II., 27; Lind. Nat. Syst., 294. "Used in epilepsy, and mania without fever." Lind. loc. cit.—A well known narcotic and antispasmodic, employed in asthma, mania, epilepsy, chorea, tetanus, and palsy. Eberle states that the results of his trials with it in rheumatism were exceedingly flattering. He used it in cases of sciatica with entire success; also, not without benefit in dysmenorrhœa. An ointment made of the leaves affords relief when applied to painful and irritable ulcers and hemorrhoidal tumours.

*Daucus carota*.—Woody. Med. Bot. Royle. M. Med., 401, 416. Antiseptic and diuretic, applied in the form of a ca-

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taplasm to ill conditioned ulcers, and in anasarcaous swellings of lower extremities, in suppression of urine and painful micturition. See also Eberle on "Diseases of Children," p. 110.

*Daucus pusillus*.—Bell's Pract. Dict., 162; Eb. Mat. Med. & Therap. II., 318. Seeds recommended as a diuretic in cases of gravel and suppression of urine.

*Diospyros virginiana*, (Persimmon.)—U. S. Disp., 302; Ed. & Vav. Mat. Med., 135; Am. Journ. Med. &c. N. S., IV., 297; Me. & de L. Dict. de Mat. Med. t. II., 657; Coxe's Am. Disp., 259; Ann. Chim. de Montp. XXIV., 274; Shec. Fl. Carol., 510; Lind. Nat. Syst. Bot., 227. It imparts a black dye; an astringent and styptic, bark used in intermittent fevers, and as a gargle in ulcerated sore throats. The unripe fruit has been employed advantageously in diarrhoea, chronic dysentery, and uterine hemorrhage.

*Discopleura cappillacea*, (Bishop weed.)—Shec. Fl. Carol. 136. See Ammi Magus.

*Drosera rotundifolia*, (Sun dew.)—Shec. Fl. Carol., 519; Me. & De. Lens. Dict. De Mat. Med., t. II., 690. Some of this genera are acrid and corrosive.

*Echites difformis*.—Me. & de Lens. Dict. de Mat. Med., t. III., 51. Used as a wash for freckles with milk; juice sufficiently caustic to destroy warts and scirrhoues excrescences; any portion of the plant will coagulate milk.

*Evigeron canadense*, (Colt's tail.)—Matson's Veg. Pract., 368; Royle's Mat. Med., 447; U. S. Disp., 316; Me. & de Le. Dict., de Mat. Med., t. III., 140; Journ. de Bot. IV., 48; et. des Pharm. 214; Coxe. Am Disp., 268. A stimulant, tonic, and diuretic, in high estimation among the steam practitioners as a remedy for dysentery, the herb steeped in hot water, and a tea cup full of the infusion given every two hours; when chewed it relieves cholera morbus. From the observations of Dr. De Puz, (quoted in U. S. Disp.,) it has been found useful in dropsical complaints and diarrhoea.

*E. Pusillum*.—U. S. Disp. 316.

*E. Philadelphicum*.—Shec. Fl. Carol., 537; Royle Mat. Med., 447; Barton. I, 234; Lind. Nat. Syst. Bot., 253. A diuretic, in repute as a remedy in calculus, and Nephritic diseases; it has been employed with advantage in dropsy, and by Dr. Wistar, is recommended in hydrothorax, complicated with gout.

*Eryngium aquaticum*, (E. Yuccifolium of some Bot, Button snake root.)—Barton's Collections, Ell. Bot., 1, 343; Fr. Elemis., 280; U. S. Disp., 318; Me. & de L. Dict. de Mat. Med., t. III., 145; Coxe. Am. Disp., 268; Shec. Fl. Carol. Art., "Button snake root," 310, 545. The root when chewed, sensibly excites a flow of saliva; decoction is diaphoretic expectorant, and sometimes emetic. Elliott says it is preferred by some physicians,

to the Seneca snake root. Dr. McBride introduced this into popular practice in St. John's, where it is used to some extent.

*Eupatorium perfoliatum*, (Thoroughwort, Bone-set.)—Chap. Therap. I., 387, and II., 435; Ell. Bot. II., 303; Pe. Mat. Med., 389; Fr. Elems., 216; Eb. Mat. Med. II., 216; Bell's Pract. Dict. 197; Royle Mat. Med., 445; U. S. Disp., 319; Ed. & Vav., Mat. Med., 197; Big. Am. Med. Bot., 1, 34; Thacher's Am. Disp., 217; Am. Med. Record. III., 331; Barton's Essay to M. Med., 28; Ball. & Gar. M. Med. 315; Schoepf. M. Med., 121; Guthrie in Annal. Med. III., 403. Anderson's Inaugural Thesis, Me. & de L. Diet. de Mat. Med., t. III., 177; Coxe's Am. Disp., 271; Shee. Fl. Carol., 549; Barton's Med. Bot. II., 133; Lind. Nat. Syst. Bot., 253. Very extensively used among the negroes on the plantations as a tonic and febrifuge; it is emetic, sudorific and diaphoretic; repeatedly prescribed with advantage in rheumatism, dropsy, and in the influenza, which prevailed at the North, and which was described by Dr. Rush; from its action on the capillaries it has been recommended in chronic cutaneous affections, and has been found efficacious in typhoid, and in yellow fever.

*Eup. purpureum*, (Purple Thoroughwort.)—U. S. Disp., 319, Me. & de L. Diet. de Mat. Med., t. III., 177; one of the popular remedies for calculus.

*Eup. verbenaefolium*.—U. S. Disp., 320. Tonic, diaphoretic diuretic and aperient; see Dr. Jones' experiments—a popular remedy in intermittents.

*Eup. rotundifolium*.—Me. & de L. Diet. de Mat. Med. t. III., 177; Jour. Gen. de Med., XXXVI., III. See Dr. Michell's Letter. Infusion said to be useful in consumption.

*Euphorbia carollata*, (Wild Hippo.)—Bell's Pract. Dict., 199; U. S. Disp., 321; Fr. Elems., 82; Am. Journ. Med. Sc. XI., 22; Big. Am. Med. Bot. III., 119; Royle Mat. Med., 542; Me. & de L. Diet. de Mat. Med., t. III., 179; Clayton Phil. Trans., Abr. VII., 331; Zollickoffer Mat. Med., 1819; Cit. in Bart. loc. sup.; Coxe's Am. Disp., 272; said to resemble in its effects the E. ipecacuanha—emetic diaphoretic and cathartic. The contused root, according to the experiments of Dr. Zollickoffer, will excite inflammation and vesication. Of the root in powder, 15 grains will produce emesis. "Combined with opium and the sulphate of potass, an excellent diaphoretic in dropsy." Dr. McKeau, says 12 grains of root has double the purgative power of an equal quantity of Jalap. See Diet. Mat. Med. Loc. cit.

*Euphorbia maculata*.—Me. & de L. Diet., de Mat. Med. t. III., 184; Ainslie Mat. Ind. II., 76. Juice employed with great efficacy in clearing the cornea of the spots and pellicles, (les pellicules,) following small pox. Mérat says the ancients recom-

mended the Euphorbiaceæ in diseases of the eye. Dict. de Mat. Med.

*Fagus sylvatica*, (Beech.)—Shec. Fl. Carol., 559.

*Gelseminum sempervirens*, (Jessamine.)—Ell. Bot. 312, Med.

Note. Flowers and root are narcotic; a spirituous tincture of the root has been used successfully in Rheumatism.

*Gentiana ochroleuca*.—Ell. Bot., 340.

*G. catesbaei*, (Sampson's Snake root.)—Bell's Pract. Dict. 218; U. S. Disp., 348; Me. et de L. Dict. de Mat. Med., t. III., 361; Coxe's Am. Disp., 304; Big. Am. Med. Bot. II., 138; (Sampson Snake Root,) an excellent bitter tonic used with decided advantage in pneumonia and dyspepsia. Dr. McBride found it very invigorating to the stomach. A popular remedy on the plantations.

*Geranium maculatum*, (Crane's Bill.)—Bell's Pract. Dict., 218; Eb. Mat. Med. I., 382; Big. Am. Med. Bot. I., 89. Thacher's Am. Disp., 224; U. S. Disp., 350; Royle Mat. Med., 573; Bart. Med. Bot. I., 149; Pe. Mat. Med. and Therap. II., 751; Am. Jour. Pharm. IV., 90; Jour. Phil. Coll. Pharm. I., 171; Ed. & Vav. Mat. Med., 135; Schoepf. Mat. Med., 107; Bart. Coll. 7; Cutler Mem. Amer. Acad. I., 469; Me. & de L. Dict. de Mat. Med., t. III., 369; Coxe's Am. Disp., 304; Jour. de Pharm. XIII., 287; Lind. Nat. Syst. Bot., 137. A strong astringent adapted to passive hemorrhages, chronic diarrhoea, and cholera infantum. It is injected in cases of gleet and leucorrhœa, and used as a wash for old ulcers. Bigelow speaks of it as a powerful astringent, and recommends it as a substitute for the imported and more expensive articles of that class.

*Guaphalium polycephalum*, (Cat foot, Life everlasting.)—Matsons' Veg. Pract., p. 275; U. S. Disp., 1258. "Probably possesses little medical virtue," a popular remedy in hemorrhagic affection, and as a tomentation, in bruises and languid tumours. Infusion employed by steam practitioners in fever, influenza, fluor albus and consumption.

*Gosypium herbaceum*, (Cotton.)—Pe. Mat. Med. II., 558; U. S. D. 357; Med. and Surg. Journ. XIII., 215, An. 1828; London Med. Gazette, Nov. 8th, 1839; West. Journ. Med. & Surg. Aug., 1840; Royle's Illustrations, 84, & Mat. Med. 288; Me. & De L. Dict. de M. Med. art. G. herbaceum, t. III., 409; Marcegraves Braz., 60; Dict. de Sc. Nat. XXXIV., 15. See Me. et de L. for references. Decoction of flowers used as an emollient in diseases of the urinary organs. In Brazil the leaves are employed against the bite of scorpions and vipers, and, macerated in vinegar, are applied to the head in hemicrania. Dict. de Mat. Med. loc. cit.

*Gonolobus macrophyllus*. Ell. Bot. I., 328: Me. & de L. Dict. de Mat. Med. t. III., 409; Ann. du Museum, XIV., 464;

Mérat says, "Cette apocynée des États—unis passe pour fournir le suc avec lequel les sauvages de ce pays empoisonnent leurs flèches." One of the substitutes for colocynth.

*Hamamelis virginica*, (Witch hazle.)—Matson's Veg. Pract. 201; U. S. Disp. 1258, App.; Me. & de L. Dict. de Mat. Med. t. III., 452; Coxe's Am. Disp. 310. A sedative and discutient in painful tumours, derived from the Indians—decoction used as a wash in hemorrhoidal affections and ophthalmia. The steam practitioners employ it as an injection in irritable hemorrhoids, and during the bearing down pains of women.

*Helonias dioica*, (Common, Blazing star.)—Matson's Veg. Practice, 218; Ell. Bot. I., 423; Lind. Nat. Syst. 348; De Cand & Duby, 473, An. 1828. Infusion anthelmintic. Tincture tonic. Prof. Ives recommends it as efficient in checking nausea and vomiting. The Indian women employed this plant in preventing abortion, and it is used by the steam practitioners for debility of digestive organs, in doses of  $1\frac{1}{2}$  tea-spoonsful of powder in warm water three times a day. It relieves coughs when chewed.

*H. erythrosperma*, (Fly poison.)—Ell. Bot. 421. "A narcotic poison, employed in some families to destroy the house fly. Bulbs are triturated and mixed with molasses. The flies unless swept in the fire or otherwise destroyed, revive in the course of twenty-four hours."

*Heuchera americana*, (Alum root.)—Lind. Nat. Syst. Bot. 163; Bart. II., 162; "powerful astringent."

*Hibiscus moscheutos*, (Marsh mallow.)—Bergii Mat. Med. II., 629.

*Hopea tinctoria*. Ell. Bot. II., 177. Its leaves afford a yellow dye.

*Humulus lupulus*. Ed. & Vav. Mat. Med., 185; Chap. Therap. & Mat. Med. I., 348, and II., 455. Eb. Mat. Med. II., 55; U. S Disp., 374; Big. Am. Med. Bot. III., 163; Freake Med. and Phys. Journ. XIII., 432; Thompson's London Disp., 200; Bigshy's Lond. Med. Repos. V. 97; Bryorly's Inaug. Diss. Philad. An. 1803. Ives in Silliman's Journ. II., 302; cit in Big.

*Hydrocotyle umbellata*. Me. & de L. Dict. de Mat. Med. t. III., 560. Employed with great efficacy in Brazil against hypochondriacism. According to one author, the root is so valuable in diseases of the kidneys, as not to be replaced by any other medicines; emetic, diuretic, and vulnerary. I see no mention made of it in the English or American Mat. Meds.

*Hypericum sarothona*, (Pine weed, Orange grass.)—(See sarothona gentianoides of Mich.) Me. & de L. Dict. de Mat. Med. t. VI., 226; Journ. de Med. LXXX., 360. Employed as an aperient in inflammatory affections.

*Ilex cassena*, (of Ell. See I. vomitoria of some authors. Cas.

*sena.)—Ell. II., 680; U. S. Disp. 1263, App.; Me. & de L. Dict. de Mat. Med. t. III., 591; see I. vom. A decoction from the leaves, called the Black drink, was employed by the Indians; it is a mild emetic. The Dict. Mat. Med. says it is powerfully diuretic, used in calculus, nephritic diseases and gout. There may be some doubt about the identity of the plant.*

*I. opaca.* U. S. Disp. 1263, App.

*Impatiens noli tangere.* U. S. Disp. 1264. A dangerous plant possessed of acrid properties; when taken internally it acts as an emetic, cathartic and diuretic.

*Indigophera caroliniana.* Not inferior says Nuttal to the cultivated indigo.

*Ipomea nil*, (Convolvulus of some botanists.)—Me. & de L. Dict. de Mat. Med. t. IV., 409. Root employed as a purgative by the ancients.

*Iris versicolor*, (Blue flag.)—U. S. Disp. 405; Coxe's Am. Disp. 354; Lind. Nat. Syst. Bot. 333; Big. Am. Med. Bot. 155; Bartram's Travels, 451; Cutler Mem. Am. Acad. 405, 6, cit in Big. Ell. Bot. I., 45; Me. & de L. Dict. de Mat. Med. t. III., 659. Of decided diuretic powers, the base of a popular and valuable receipt for dropsy. See Fr. Elems., 279. Dr. McBride held it in high estimation, and extended the use of it in St. John's. It was one of the remedies derived from the Indians.

*Juniperus virginiana*, (Cedar.)—Pe. Mat. Med. II., 184; Fr. Elems. 195; U. S. Disp., 413; Big. Am. Med. Bot. III., 49; Dict. de Mat. Med. t. III., 698; Michaux's N. Amer. Sylvia. III., 221; Am. Journ. Pharm. XIV., 235; Thacher's Disp. 247; Lind. Nat. Syst. Bot. 316. It exerts effects similar to those of savin. Leaves have been successfully employed as an emmenagogue, and as a stimulant and diaphoretic in rheumatism. Big. loc. cit. The cedar apple possesses anthelmintic properties.

*Kalmia latifolia*, (Calico bush.)—Drayton's View. S. C. 69; U. S. Disp., 1269; Ell. Bot. I., 481; Big. Am. Med. Bot. I., 133; Kalm's Travels I., 335; Bart. Coll. to Mat. Med. I., 18, 48 and II., 26; Thacher's Disp., 247; Thomas' Inaugural Diss. cit. in Big.

*Lactuca elongata*, (Wild lettuce.)—U. S. Disp., 421; Annuaire de Therap. An. 1843; Woody. Med. Bot. 75, 31; see *L. virosa* op. cit. Me. & de L. Dict. de Mat. Med. t. IV., 10. Similar in properties to *L. virosa*.

*Laurus benzoin*, (Spice bush.)—Lind. Nat. Syst. Bot., 201; U. S. Disp., 1233; Bart., 295. Used in intermittent fever. A highly aromatic shrub.

*L. Sassafras*, (Sassafras.)—Ed. & Vav. Mat. Med., 341; U. S. Disp., 640; Dray. View. S. C., 68; Bell's Pract. Dic., 411; Eb. Mat. Med. II., 230; Royle Mat. Med., 518; Pe. Mat. Med. & Therap. II., 253; Cull. Mat. Med. II., 200 and 579; Big. Am.

Med. Bot. II., 142; Murray's App. IV., 535; Kalm's Travels II.; Hoffman's Obs. Phys. Chem., 31; Clayton's Phil. Trans. VIII., 332; Bremane "sassafrasologia" in 1627, cit in Big.; Woodv. Med. Bot. "Diaphoretic and diuretic in rheumatism and cutaneous diseases." The pith of the young branches, according to Eberle, contains a great deal of mucilage. "An exceedingly good application in acute ophthalmia, and no less useful as a demulcent in catarrhal and dysenteric affections." Alibert speaks highly of it both in rheumatism and gout.

*Liatris scariosa*. U. S. Disp. 1273, App. Employed in gonorrhœa and as a gargle in sore throat.

*L. Spicata*. U. S. Disp., 1272. One of the rattlesnake masters, Dr. Barton, said that all the tuberous rooted species of liatris, were active plants. Loc. cit.

*L. Squarrosa*. U. S. Disp. 1273; Journ. de Chimie Medicale V., 419; "y sont usites contre la morsure des serpens." Me. & de L. Diet. de Mat. Med. t. IV., 97.

*Liquidambar styraciflua*, (Sweet gum.)—Pe. Mat. Med. & Therap. II., 184; Ed. & Vav. Mat. Med., 303; U. S. Disp. 273; Journ. Phil. Coll. Pharm. VI., 190; Royle Mat. Med., 562; Bergii M. M. II., 798.

*Liriodendron tulipifera*, (Tulip tree.)—Pe. Mat. Med. II., 743; Eb. Mat. Med. I., 308; U. S. Disp., 432; Rush in Trans. Coll. Phy. Phil. An. 1798; Carey's Am. Museum XII.; Barton's Essay form Mat. Med., 14; Thacher's Disp.: Big. Am. Med. Bot. II., 107; Bart. Med. Bot. I., 92; Journ. Phil. Coll. Pharm. III., 5; Ball and Gar. Mat. Med. 190; Me. & de L. Diet. de Mat. Med. t. IV., 130; Annal de Chimie t. LXXX., 215; Lind. Nat. Syst. Bot. Younger Michaux on Forrest trees N. Am. Clayton's Phil. Trans. VIII., 332; Roger's Inaug. Diss. 1802. One of the most valuable of the substitutes for Peruvian bark. It is tonic, diuretic and diaphoretic. It has been much recommended in chronic rheumatism and gout; according to Thacher, acts with great advantage in the advanced stages of dysentery, and Dr. Young says that in all the Mat. Medica, he does not know of a more certain, speedy, and effectual remedy for hysteria.

*Lobelia cardinalis*, (Cardinal flower.)—U. S. Disp. 436; Ell. Bot. I., 268; Drayton's View. S. C. 77; Me. & de L. Diet. de Mat. Med. t. IV., 137; De Candolle's Essay, 189; Journ. de Pharm. III., 470; Bart. Med. Bot. II., 180; Lind. Nat. Syst. 236. This plant was used by the Indians as an anthelmintic. Merat says it is employed as a poison by the negroes at the Cape of Good Hope.

*Lonicera sempervirens*, (Wood-vine.—*L. caprefolium* of some Bot.) Me. & de L. Diet. de Mat. Med. t. IV., 143. It is not

much used in medicine, but the syrup from the leaves, is given in asthma, and as a gargle in angina tonsillaris.

*Lycopus angustifolius*, (L. Europeus of Eaton.)—(Water horehound.) U. S. Disp., 437; Ell. Bot., 25; Me. & de L. Dict. de Mat. Med. t. II., 168; see L. Europ. & L. Virginicus, also Matson's Veg. Practice, 250. Used by the vegetable practitioners in diarrhoea, atonic conditions of the digestive organs, and as a cleansing wash for sores. It has been highly spoken of, on the continent of Europe, in intermittent fevers. These plants should be experimented with more carefully. The L. Virginicus imparts a black color to linen, wollen and silk. It has been used by some with great success in internal hemorrhage, (see the Dict. de Mat. Med. and U. S. Disp.,) and in phthisis it lessens the force of the circulation.

*Ludwigia alternifolia*.—Me. & de L. Dict. de Mat. Med. t. IV., 154. Mérat says that in America, a decoction of the root is employed as an unfailing emetic. Dict. de Mat. Med., Loc. cit.

*Magnolia glauca*, (Bay.)—Pe. Mat. Med. II., 733; U. S. Disp., 442; Big. Am. Med. Bot. II., 67; Bart. Med. Bot. I., 77; Michaux N. Am. Sylvia II., 8; Royle Mat. Med., 248; Ball. & Gar., 189, Me. & de L. Dict. de Mat. Med., t. IV., 193; Kalm's Travels, I., 205; Marshall Arbus, 83; Humphries Med. Comment. XVIII.: Bart. Essay to Mat. Med., 46; Price's Inaug. Diss. Phil. 1812; Cit. in Big. Am. Med. Bot.; "bark of root an excellent tonic;" Lind. Nat. System, Bot. 16. Berries are of considerable value in domestic practice for the cure of rheumatism. This tree is supposed by many to prevent the water of bays and galls, from generating Malaria. It certainly seems that the water is much clearer in which the Bay tree grows.\*

\* In that old work on Herbs, (of which we have seen but one copy and that not dated,) entitled the "English Physician, by Nick Culpepper, gent, student in Physic and Astrology;" we have met with a great deal concerning the employment of herbs in medicine; but, from the absence of botanical terms it is impossible to ascertain in many cases what species are intended. In order to show the surprisingly superstitious credence, then placed upon the influence of Astrology, in determining the virtues of, and the times proper for gathering plants, and also the diversity of qualities attributed to them, we will extract a portion of what Culpepper says of the "Bay Tree," "government and virtues." That it is a tree of the sun, and under the celestial sign, Leo, and resisteth witchcraft very potently, as also all the evils old Saturn can do to the body of man, and they are not a few; for it is the speech of one, and I am mistaken if it were not Mezaldus, that neither witch nor devil, thunder nor lightning, will hurt a man in the place where a Bay tree is. Galen said, that the leaves or bark do dry and heal very much, and the berries more than the leaves; the bark of the root is less sharp and hot, but more bitter, and hath some astriction withal, whereby it is effectual to break the stone, and good to open obstructions of the liver, spleen, and other inward parts, which bring the dropsy, jaundice, &c. The berries are very effectual against all poison of venomous creatures, and the sting of wasps and bees; as also against the pestilence and other infectious diseases, and therefore put into sundry treacles for the purpose. They likewise procure women's courses, and seven of them given to woman in sore travel of child-birth,

*Mag. grandiflora*.—U. S. Disp., 442; Pe. Mat. Med. & Therap. II., 734; Am. Journ. Pharm. XIV., 95; Me. & de L. Dict. de Mat. Med. t. IV., 193. "In Mexico, the seeds are employed with success in paralysis." Dict. de Mat. Med. Loc. cit.

*Marrubium vulgare*.—Ed. & Vav. Mat. Med., 273; Trouss. et. Pid. Traité de Therap. 308; Watson's Pract. Physic., 332, and 118; Royle Mat. Med., 470; Pe. Mat. Med. II., 284; Le. Mat. Med. II., 89; Matson's Veg. Pract.; U. S. Disp. 452; Ball. & Gar. Mat. Med., 358; Cull. M. Med. II., 154. Bergii. Mat. Med. II., 558; Woody. Med. Bot. Leaves tonic and laxative, in asthma, hysteria, and menorrhagic diseases. Ed. & Vav., cite it as a remedy in catarrhs, peripneumonies and phthisis.

*Maranta arundinacia*.—U. S. Disp., 449; Royle Mat. Med., 585; Bell's Pract. Dict. 48.

*Maruta cotula*, (see Anthemis of some Bots., Wild Chamomile.)—Ed. & Vav. Mat. Med., 263; U. S. Disp., 278; Bergii Mat. Med., t. 1, 741; Me. et de L. Dict. de Mat. Med. t. 1, 741; Shec. Fl. Carol., 171. A substitute for chamomile, (and Mérat says for assafœtida,) given in numerous diseases; one of our domestic remedies. It also possesses anti-hysterical virtues, and is recommended in rebellious bilious fevers.

*Melia azedarach*, (Pride of India.)—Mérat & de L. Dict. de Mat. Med. t. IV., 290; U. S. Disp. 135; Ell. Bot. 475; Chap. Therap. II., 70; Bell's Pract. Dict., 87; Royle Mat. Med., 308; Eb. Mat. Med., 207; Fr. Elems. pt. 1st. Archives Générales de Méd., XVII., 112; Lindley's Nat. Syst. 102; an active vermifuge. Barton considered it our most active anthelmintic; it is also a febrifuge, adapted to verminous fevers, where no worms are voided. Thacher states that the pulp of the berry has been employed with success as an ointment in Tinea capitis. Mérat mentions well authenticated cases of poisoning from eating the berries in very large quantities; Dict. de Mat. Med. loc. cit.

do cause a speedy delivery, and expel the after-birth, and therefore not to be taken by such as have not gone their time, lest they procure abortion or cause labor too soon. They wonderfully help all cold and rheumatic distillations from the brain, to the eyes, lungs, or other parts, and being made into an Electuary with honey, do help the consumption, old coughs, shortness of breath, and thin Rheums, as also the Megrin. They mightily expel the wind and provoke urines, help the mother and kill the worms. The leaves also work the like effects; a bath of the decoction of the leaves and berries, is singularly good for women to sit in, that are troubled with the mother, or the diseases thereof, or the stoppings of their courses, or for the diseases of the bladder, pains in the bowels by wind, and stopping of urine; a decoction &c., settleth the palate of the mouth in its place. The oil made of the berries is very comfortable—all cold griefs of the joints, nerves, arteriæ, stomach, belly, or womb, and helpeth palsies, convulsions, cramps, aches, tremblings, and numbness in any part, weariness also, and pains that come by sore traveling \* \* \* \* pains in the ears are also cured by dropping in some of the oil, or by receiving into the ears, the fume of the decoction of the berries through a funnel. It takes away the marks of bruises; it helpeth also the itch, scabs and weals in the skin."

*Melothria pendula*, (Creeping cucumber.)—Me. & de L. Dict. de Mat. Med. t. IV., 322; Journ. de Chimie Med. III., 498. Employed as a purgative, some say of a very drastic nature.

*Mentha tenius*, (Am. spear mint.)—Matson's Veg. Pract. 286. Said by Culpepper to be an aphrodisiac. "English physician," 214; see magnolia glauca. loc. sup. Dr. Thompson says it is a specific in allaying vomiting and nausea.

*Mitchella repens*, (Mitchella, partridge berry.)—Ell. Bot. Med. Note, 199. An infusion of the stems and leaves, used in dysury. Its diuretic powers are not great. Op. cit.

*Monarda punctata*, (Dotted monarda. Origanum.) Chap. Therap. II., 302; Ell. Bot. 30; U. S. Disp., 462; Am. Med. Record. II., 496; Ball. & Gar. Mat. Med. 360; Me. & de L. Dict. de Mat. Med.; a stimulant, carminative and highly aromatic plant. t. IV., 444; Bull. des sc. Med. de Ferus. XI., 302; very aromatic. A popular emmenagogue. Chapman mentions a case of long standing deafness, cured by the oil poured into the ear. It is used in allaying nausea and vomiting, in bilious fever. See Dict. de Mat. Med.

*Morus alba*, (White mulberry.)—Bell's Pract. Dict. 319; U. S. Disp. 463. Bark a purgative vermifuge. Its properties are not very marked.

*M. rubra*. U. S. Disp. 463.

*Myrica cerifera*, (Swamp Myrtle.)—Ell. Bot. II., 678; Matson's Veg. Pract. 198; U. S. Disp., 200; Pe. Mat. Med., 786; Big Am. Med. Bot., III., 32; Am. Journ. Med. Sci., II., 313; Bergii Mat. Medica II., 541; Nicholson's Journ. IV., 187, 129; Kalm's Travels 1, 129; Dana in Silliman's Jour. 1; Thacher Disp., 288; Me. & de L. Dict. de Mat. Med. t. IV., 531; De Candolle's Essay, 272; Lind. Nat. Syst. Bot., 180. The powdered root of this plant is used to some extent by the Vegetable practitioners as an astringent in scarlet fever, diarrhoea, dysentery, and as a valuable gargle in sore-throat. The powdered bark of root, according to Dr. Dana, proved powerfully sternutatory. From the berries a wax is obtained, which possibly may be made a source of profit.

*Nabalus* (*Prenanthes alba*, Ell.), (commonly called gall of the earth.)—Root excessively bitter; used in domestic practice as a tonic.

*Napeta cataria*, (Catnip.)—Matson's Veg. Pract., Ed. & Vav., Mat. Med., 276; U. S. Disp., 191; Le. Mat. Med. II., 130; Bergii Mat. Med. II., 540; Me & de L. Dict. de Mat. Med. t. IV., 592. This is a stimulant tonic, employed, as a popular remedy in amenorrhœa, chlorosis, hysteria, the flatulent colic of infants, &c. Leaves, if chewed, are said to relieve toothache. It is not spoken very highly of by the Dispensatory, said to be employed with success in hydrophobia.

*Nymphaea odorata*, (White Pond Lily.)—Mat. Veg. Pract., 201; Thompson's Steam Pract.; U. S. Disp., 1280; Big. Am. Med. Bot., 132; Cutler's Am. Trans. I, 456; Me. & de L. Dict. de Mat. Med. t. IV., 643; Bull. des Sc. Med. de Férusac III., 74. “An antiaphrodisiac” root possesses a high degree of astrin-gency, it is a popular remedy in-bowel complaints, and as an in-jection in gleet, fluor albus, &c. It also forms an excellent poultice for ulcers. Dr. Thompson employed this plant in the steam practice. Matson says it is useful as a gargle in sore-throats.

*Oenothera biennis*, (Scabish.)—U. S. Disp., 1281; Journ. Phil. Coll. Pharm. IV., 292; Lind. Nat. Syst. Bot.; “root eatable,” Lindley. Dr. Griffith found a decoction of service in erup-tive complaints, especially tetter; loc. cit.

*Orchis flava*, (Yellow orchis.)—Me. & de L. Dict. de Mat. Med., t. V., 92. An aphrodisiac mentioned by Culpepper “Eng-lish physician,” p. 236. Mérat says it has been so regarded in Arabia also. Dict. Loc. cit.; species not well identified.

*Orobanch Americana*.—U. S. Disp., 1282. Thought to be serviceable in cancer!

*Opuntia* (see *Cactus of some Bot.*) *cactus*, (Prickly pear.)—Me. & de L. Dict., de Mat. Med. t. II, 6; Shec. Fl. Carol. 319; see *C. cochinellifer*.

*Orontium aquaticum*, (Golden club.)—Lind. Nat. Syst., 364. “Seeds are acrid, but become eatable by roasting.”

*Oxalis violacea*, (Wood sorrel.)—U. S. Disp., 12.

*Physalis pubescens*.—Me. & de L. Dict. de Mat. Med., t. V., 296; Journal de Chim. Med. VI., 210. It is supposed that the species bearing this name in Europe and America are different. The former is interesting.

*Phytolacca decandra*, (Poke berry.)—U. S. Disp., 537; Bell's Pract. Dic., 355; Big. Am. Med. Bot. I, 35; Bart. Med. Bot. II., 213; Am. Jour. Pharm. XV., 169; Murray App. Med. IV., 335; Kalm's Travels in N. Am. I, 197; Graffenreid Mem. Berne III., 185; Schoepf M. Med., 71; Browne Hist. Jamaica, 232; Amo-en Acad. IV.; Miller's Dict., art. Phyt., Sprogel Diss. cir. ven., 24; Beckman com. 1774, 9; Allioni Flor. Ped. II., 132; Franklin's Works, I.; Cutler Mem. Am. Acad. I, 447; Rush I, 259; Thacher's Disp., 300; Shultz Inaug. Thesis; N. Am. Journ. VI.; Journal de Med. de Corvisart Leroux, XVI., 137; An. de Chim. LXII., 71; cit in Big.; Me. & de L. Dict., de Mat. Med., V, 298; Coxe Am. Disp., 456; Lind. Nat. Syst. Bot., 210. The uses of this plant are well known; a remedy for chronic and syphilitic rheumatism—serviceable in ill conditioned ulcers, pul-verised root an emetic; according to De Candolle, a powerful purgative—a strong infusion has been found efficacious in piles. Dr. Wood recommends an ointment in psora and tinea capitis, and a decoction of the berries in scrofula.

*Pinus taeda*.—Pe. II., 161; U. S. Disp., 709.

*P. palustris*, (Long leaved pine.)—Pe. Mat. Med. II., 167; Bell's Dict., 359; U. S. Disp., 709; Ball. & Gar. M. Med., 399; Royle Mat. Med. 564.

*Plantago major*, (Plantain.)—Le. Mat. Med. II., 232; U. S. Disp., 1289, App.; Ed. & Vav., Mat. Med., 135; Bergii I., 71; Me. & de L. Dict. de Mat. Med. t. V., 358; Journ. Univ. des Sc., Med. XIX., 127. A popular vulnerary, once in great repute, said to have proved useful in intermittents, and many other diseases. It is no doubt possessed of some value as a dressing for blisters, sores, &c. I have seen it growing in the streets of Charleston.

*P. lanceolata*, (Rib-wort.)—Le. Mat. Med., II., 232.

*Podophyllum peltatum*, (Wild Jalap.)—Pe. Mat. Med. II., 749; Drayton's View, S. C., 73; Fr. Elems., 137; Royle Mat. Med., 573; Bell's Pract. Dict., 373; Ell. Mat. Med., I., 205; Ed. & Vav., Mat. Med. I., 514; U. S. Disp., 556; Big. Am. Med. Bot. II., 34; Bart. Mat. Med. I, 9; Journ. Phil. Col. Pharm. III., 273; Med. Recorder, III., 332; Ball. & Gar., Mat. Med., 193; Schoeff M. M. 86; Chap. Mat. Med. & Therap.. 209; Me. & de L. Dict. de Mat. Med., t. V., 207; Coxe Am. Disp., 478; Lind. Nat. Syst. Bot., common in swamps, safe and active cathartic. Dr. McBride made great use of this plant during his practice in St. John's; he said that it answered all the purposes of the officinal Jalap. "It produces copious liquid discharges, with no griping." It was employed by the Cherokees as an anthelminetic. A few drops poured into the ear are said to restore the power of hearing. It has also been found to afford speedy relief in incontinence of urine.

*Polygala, polygama*.—U. S. Disp., 558.

*Polygonum, punctatum*, (P. hydropiperoides of some Bot. Water pepper.)—Eb. Mat. Med. I., 441; U. S. Disp., 559; Ed. & Vav., Mat. Med., 128; Le. Mat. Med. II., 193; Ogier in S. Jour. Med. Pharm., 1846; Me. & de L. Dict., de Mat. Med. t. V., 433; see P. hydropiper, English physician, p. 21. In amenorrhœa, Eberlie asserted that he employed it in 20 cases, and was never more successful—late experiments have confirmed this assertion.

*P. aviculare*, (Knot grass.)—Me. & de L. Dict., de Mat. Med., t. V. 440; U. S. Disp., 558; Lind. Nat. Syst., 211; emetic and purgative—some say powerfully so. This plant has at one time received considerable attention. It was said to be very useful in Hernia, and in arresting the vomiting of blood and hemorrhage. It was regarded as an excellent vulnerary in moderating fluxes, diarrhoea, and dysentery. It should be experimented with; see the Dict. de Mat. Med.

*Portulacca oleracea*, (Purslane.)—Me. & de L. Dict., de Mat.

Med. t. V., 458. Antiscorbutic, diuretic, and anthelmintic. The Dispensatory does not give it the attention that it received in various parts of Europe. It is vaunted as an antidote for poisoning from cantharides. See Dict., de Mat. Med., loc. cit.

*Prunella vulgaris*, (Heal all.)—Med. Diet. Parr. art., Brunella, Le. II., 245; U.S. Disp., 1291; Ed. & Vav. Mat. Med. 276; Me. & de L. Diet., de Mat. Med., t. V., 520. This plant, though possessing stimulant powers, has nevertheless fallen into disrepute. It was used as an astringent in affections of the throat.

*Psoralea eglandulosa*.—Me. & de L. Diet. de Mat. Med., t. V., 528. “The P. glandulosa has been regarded as a powerful vermisuge and good stomachic, the decoction arrests the flow of blood, and an infusion of the root produces vomiting.” Diet. de Mat. Med.

*Pterocaulon pycnostachyum*, (Black root.)—Ell. Bot. Med., note II., 324. Used in domestic practice in St. John's, as an alterative, the black root of the negroes.

*Quercus virens*.—U. S. Disp., 581; Eb. Mat. Med. I., 376.

*Q. falcata*, (Spanish oak.)—Chap. Therap. II., 493; U. S. Disp., 581; Bart. Essay to Mat. Med.; Alibert Nouv. Elemen. de Therap. I., 93; Phil. Med. Museum, vol. II.; Me. & de L. Diet. de Mat. Med., t. V., 580; Lind. Nat. Syst. Bot., 170. An astringent wash for gangrene, a decoction administered with great success in dysentery, uterine and pulmonary hemorrhage, and in intermittent fever. In domestic practice, where an easily obtained and efficient astringent is required, it is of no little value; used to considerable extent on the plantations.

*Q. tinctoria*, (Black Oak.)—Am. Med. Record. III., 363; Bart. Essay to Mat. Med. II.; Edinb. Med. Journ. No. 72; Pe. Mat. Med. II., 194; U. S. Disp., 581; Michaux N. Am. Sylvia, I., 91; Journal de Pharm., et de Chim. V., 251; Royle Mat. Med., 559; Ball. & Gar., 396; Me. & de L. Diet., de Mat. Med. t. V., 590. In addition to the qualities possessed by the *Q. falcata*, this is purgative. They have both been efficacious in leucorrhœa, amenorrhœa, chronic hysteria, and diarrhœa, rheumatism, pulmonary consumption, tabes mesenterica, cynanche tonsillaris, and asthma. Mr. Lizars has used it “with wonderful success” in the cure of reducible hernia. Eberle loc. cit.

*Q. Alba*.—U. S. Disp., 582; Royle Mat. Med., 659. Decoction as a bath for children in marasmus, scrofula, &c.

*Rhus copallinum*, (Sumach.)—Ell. Bot., 302; Ed. & Vav., Mat. Med., 136. A wash applied to ring worms; root used by Chipeway Indians, as an anti-venereal. The excrescences on leaves powdered, and made into an ointment for application in hemorrhoids.

*R. radicans*, (Poison Joy.)—Eb. Mat. Med. II., 117; Ell. Bot. 363; Bell's Pract. Diet., 453; Ann. de Chim. XXXV., 106; U.

S. Disp., 717; Ed. & Vav., Mat. Med., 345; Pe. Mat. Med. II., 603; Alibert Elemens. de Therap. t. I., 452; Big. Am. Med. Bot. III., 20; Du Fresnoi, quoted in Ann. of Med., IV., 182 & V., 483; Med. and Phys., Journ. I., 308, VI., 273, & X., 486; Trous. et Pid. Traité de Therap. t. I., 524; Journ. de Chim. Med. Juin., 1825; Duncan's Disp., 294, Cit. in Big.; Me. & de L. Dict., de Mat. Med. t. VI., 78. It produces in those who come into its vicinity, an erysipelatous inflammation. The juice, which exudes on plucking the stem, makes a good indelible ink. The bruised leaves of the collinsonia canadensis, (which also grows in S. C.,) are employed for the eruptions caused by the emanations from the poisonous sumacs. A French writer testifies to the efficacy of this plant, in homoeopathic doses, in all the diseases of the skin. See the Dict. de Mat. Med.

*R. venenata*.—Me. & de L. Dict., de Mat. Med., t. VI., 82; Dudley Phil. Trans., Abr. VI., 507; Sherard ditto, 508; Kalm's Travels, I., 77; Marshall Arbusts, 130; Cutler Am. Acad. 427; Big. Am. Med. Bot. I., 86; Bart. Coll. 24; Thacher's Disp., 321; Cit. in Big., see R. Vernix; Nouv. Journ. de Med. XV., 43. It causes the body of one who comes in contact with it, to swell enormously, some are even affected by breathing the atmosphere around it.

*R. toxicodendron*, (Poison Ash.)—Trous. et Pid., Traité de Therap. t. I., 524; Bell's Pract. Dict., 453; Eb. Mat. Med. II., 116; Pe Mat. Med. II., 603; Ed. & Vav. Mat. Med., 345; U. S. Disp., 718; Ball. & Gar., 241; Royle Mat. Med. 331; Bergii Mat. Med. I., 248; Me. et de L. Dict. de Mat. Med. t. VI., 78; Orfila Toxicologie gén. 1, 45; Ann. de Chim. XXXV., 186; An. Journ. de Med. LXXX., 136. Stimulant and narcotic in paralysis and herpes; of the former disease, 17 cases are reported by one physician to have been successfully treated by it. The verbena urticifolia, also growing in St. John's, is an antidote for poisoning by this plant.

*Rubus villosus*, (High black berry.)—Pe. Mat. Med. II., 453; Ed. & Vav., Mat. Med., 134; Eb. Mat. Med. I., 386; U. S. Disp. 603-4; Royle Mat. Med., 374; Ball. & Gar., M. Med., 267; Big. Am. Med. Bot. II., 160; Chap. Therap. II., 474; Thacher's Disp., 341; Lind. Nat. Sys., 144; Bart. II., 157. Used in cholera infantum. The "English physician," (see *Magnolia glauca*) says of one of the genus rubus, "either the decoction or powder of the root being taken, is good to break or drive forth gravel, and the stone in the reins and kidneys." "The berries of the flowers are a powerful remedy against the poison of the most venomous serpents !!" p. 48.

*R. trivialis*, (Creeping black berry.)—Watson's Pract. Physic. 820; Pe. Mat. Med. II., 543; U. S. Disp., 603; Royle Mat. Med. 375; Chap. on diseases of Abdom. and Thorac. Viscera, 279;

Brit. & For. Med. Rev., 31 Jan., 1845; Ball. & Gar., Mat. Med., 268. A decoction of root, said to be a safe, sure, and speedy cure for dysentery; remedy derived from the Oneida Indians.

*Ruellia strepens.* Lind. Nat. Syst. Bot., 285; Ainslie II., 153.

*Rumex acetosella*, (Field sorrel)—Pe. Mat. Med., II., 273; U. S. Disp., 605; Ed. & Vav. Mat. Med. 536; Bergii Mat. Med. I., 300. "It may be administered with great advantage as an article of diet in scorbutic complaints." Disp. loc. cit.

*R. britanica.* U. S. Disp., 606.

*R. crispus*, (Dock.)—Ell. Bot., 414; Matson's Veg. Pract. 299; U. S. Disp., 606. Root bruised with milk an external application for scabies, it unites a tonic and astringent, with a laxative property, somewhat resembling rhubarb in its operation.

*Sibbattia (chironia Lin) angularis*. (Am. centaury.)—Ell. Bot. I., 385; Chap. Therap., 438 and II., 417; U. S. Disp., 611; Pe. Mat. Med. II., 344; Royle Mat. Med., 475; Eb. Mat. Med. I., 307; see chironia. Big. Am. Med. Bot. III., 147; Bart. Med. Bot. I., 255; Ed. & Vav. Mat. Med., 176; B. S. Bart. Coll. to Mat. Med. I., 15; Lind. Nat. Syst., 297. "Pure bitter with tonic and stomachic." Used in domestic practice in intermittent fever. Eberle says this is one of the most useful of our indigenous bitters. This and the *Liriodendron tulipefera*, might be of great service to those who cannot employ more expensive articles. With the exception of a plant, which I have never seen flowering, and therefore cannot ascertain the name, the *S. angularis* possesses the most intensely bitter taste I ever noticed among our native herbs. The one alluded to, bears a general resemblance to the violaceae, and grows in rich shaded soils.

*Sagittaria sagittifolia*, (Arrow-head.)—Me. et de L. Diet. de Mat. Med. t. VI., 153; Journ. Comp. des Sci. Med. XIX., 143. Said to have a fecula like arrow-root, (*Maranta arundinacea*.)

*Salix nigra*, (Willow.)—Bell's Pract. Dict., 403; U. S. Disp. 622. See Work of the younger Michaux. Ball. & Gar. Mat. Med., 337; Me. et de L. Diet. de Mat. Med. t. VI., 184. The willow yields us one of our best substitutes for Peruvian Bark. The *S. alba* seems to be held in more estimation than the *S. nigra*. The former though introduced is common, and may possibly be included among several doubtful specimens which I have. The *S. nigra* is purgative and febrifuge in the form of decoction.

*Silvia Lyrata*, (Cancer weed.)—Ell. Bot. I., 31. "The fresh radical leaves of the plant, when bruised, and applied to warts, generally destroy them; continue the application for a day or two, and renew it every twelve hours." So also the leaves of the *Hieracium gronovii*.

*S. officinalis*. Ed. & Vav. Mat. Med., 268; Me. et de L. Diet. de Mat. Med. t. VI., 191, &c. "English physician by Nick

Culpepper. Student in physic and astrology," p. 295. "Jupiter claims this and bids me tell you it is good for the liver and to breed blood." An aphrodisiac. "Helpeth conception, and hinders miscarriage."

*Sambucus canadensis*, (Elder.)—Le. Mat. Med. 11, 325; U. S. Disp., 625; Dray. View. S. C. 66; Bell's Pract. Dict. 404; (art. *S. nigra*) Royle Mat. Med. 423; Cull. Mat. Med. 11, 534; Me. et de L. Dict. de Mat. Med. t. VI., 196; Lind. Nat. Syst. Bot., 248. Leaves foetid, emetic, and a drastic purgative." Lind. loc. cit. sup. Flowers are excitant and sudorific, used externally as a discutient; the berries are diaphoretic and aperient, employed as a remedy in rheumatic gouts and syphilitic affections; the inner bark is a hydragogue cathartic and emetic, acting in dropsy, and as an alterative in various chronic diseases. The leaf-buds are also said to act as a violent purgative. Op. cit.

*Samolus valerandi*, (Brook weed.)—Me. & de L. Dict. de Mat. Med. t. VI., 201; Journal Gen'l. de Med. LII., 413. Lemery says it is anti-scorbutic, aperient and vulnerary.

*Sanguinaria canadensis*, (Puccoon, blood-root.)—Drayton's View S. C. 72; Bell's Pract. Dict., 404; Eb. Mat. Med., 95; Lind. Nat. Syst Bot., 8; U. S. Disp., 627; Royle Mat. Med. 273; Pe. Mat. Med. II., 722; Am. Lyc. Nat. Hist. N. York, II., 250; New-York Med. Phys. Journ. 1, No. 2; London Med. Chirur. Trans. Vol. 1, Barton's Med. Bot., 1, 30; Am. Journ. Med. Sci. N. S. 11, 506; Journ. Phil. Coll. Pharm. III., 95; Ball. & Gar. M. Med., 208; Big. Am. Med. Bot. 1, 75; Schoepf. Mat. Med. 85; Trans. Lond. Med. Soc. 1, 179; Barton's Coll. & Mat. Med. 28; Cutler Mem. Am. Acad. 1, 455; Thacher's Disp. 331; Me. & de L. Dict. de Mat. Med. t. VI., 208; Bull. des Sci. Med. Fer. VI., 71; Edinb. Med. Journ. VII., 217; Shec. Fl. Carol. 153. Emetic and purgative in large doses; stimulant, diaphoretic and expectorant in small. Very efficacious in jaundice. Extensively applied in domestic practice in St. John's, Berkley. It is an acrid narcotic, causing vomiting, given in catarrh, typhoid, pneumonia, croup, rheumatism, &c. The Indians used the juice, which exudes from the root, as a red pigment. The stain applied to the unbroken skin is not indelible. Merat says it is serviceable in gonorrhœa, the bite of serpents, and in bilious fever; he affirms that it has been employed with marked success in arresting the progress of phthisis and inflammatory rheumatism, and by Dr. Smith of Hanover, in destroying mucous polypi in the nose. Eberle in his work on the Diseases of Children, p. 97, says that the powdered root is an excellent escarotic, in ulceration of the umbilicus, &c. This plant is abundant around us, and should receive greater attention.

*Sarracenia*, (Side saddle flower.)—Me. & de L. Dict. de Mat.

Med. t. VI., 226. Where Dr. McBride's diss. in the 12th vol. of Trans. Lin. Soc. is referred to.

*Saururus cernuus*, (Lizard's tail.)—Ell. Bot. 433. The fresh root, applied in the form of a poultice, as an emollient and discutient to inflamed surfaces.

*Scirpus palustris*, (Marsh club rush.)—Me. et de L. Dict. de Mat. Med. t VI., 262. Said to be used in the manufacture of bonnets, medicinal also. See op. cit.

*Scutellaria integrifolia*. U. S. Disp., 1294.

*S. lateriflora*, (Mad-dog scull cap.)—U. S. Disp., 1294, App.; Watson's Pract. Physic, 386; Me. et de L. Dict. de Mat. Med. t. VI., 274; Bull. de la Faculté VII., 191; An. 1820, where Spalding's report, concerning its anti-hydrophobic virtues, is referred to. Youatt spoke in very favorable terms of this remedy, see Watson loc. cit. It enjoyed the reputation of being the only one for this disease.

*Sesamum indicum*, (Bene.)—Coxe Am. Disp. art. sesamum orientale. Me. et de L. Dict. de Mat. Med. t. VI., 334. The sesame of the Anabasis, mentioned by Dioscorides, Theophrastus, and others. Some prefer the oil of the seeds to the oleum ricini. In India it is regarded as emmenagogue, and a provocative of abortion. Coxe says it was very useful in a dysentery, which prevailed in 1803. See the Dict. de Mat. Med.

*Silene virginica*. U. S. Disp. 1296, Ap.; Me. et de L. Dict. de Mat. Med. t. VI., 342; De Caudolle's Essay, 94; Lindley Nat. Syst. Bot., 125. Decoction of root acts as an anthelmintic. Its vermisuge virtues should be examined into.

*Sisymbrium amphibium*, (Water radish.)—Me. et DeL. Dict. de Mat. Med., t. VI., 365. Recommended for taenia by Didelet, and, in the old works, as an antiscorbutic. Merat says the root and young leaves are eatable in the spring. This plant might also be noticed more particularly.

*Smilax-pseudo-china*, (China briar.)—Ell. Bot., II., 700; U. S. Disp., 634; Per. Mat. Med., 133; DeCandolle Podom., I., 351. Considerable use made of this plant, in domestic practice, in St. John's; basis of diet drinks; one of our best substitutes for sarsaparilla. Dr. Frost ("Elements of Mat. Med.") considers the *S. herbacea*, also, valuable as an alterative. Latter grows in rich shaded soils.

*S. tamnoides*.—Mer. et DeL. Dict. de Mat. Med., t. VI., 384. The root, says Merat, is also used in decoction, to purify the blood. Loc. cit.

*Solanum nigrum*, (Deadly night shade.)—Trous. et Pid. Traite de Therap. et de Mat. Med., t. I., 206; Eb. Mat. Med., II., 89; U. S. Disp., 304; Ed. & Vav. Mat. Med., 343; Royle Mat. Med., 495; Pe. Mat. Med., II., 326; Le. Mat. Med., II., 272; Mer. et DeL. Dict. de Mat. Med., t. VI., 417; Journ. de Chim.

Med., III., 541 and 422; Nouv. Journ. de Med., X., 67; Alibert Nouv. Elemens. de Therap. t. I., 417. Eberle says this plant is "by far too much neglected." The berries are an active narcotic poison. It is used with great advantage in chronic ulcers of a cancerous nature, in scorbutic, herpetic and syphilitic eruptions. The Dict. de Mat. Med. notices its effects in visceral obstructions and in catarrh of the bladder, (le catarrhe vésical.)

*S. carolinense*, (Horse nettle.)—Me. et DeL. Dict. de Mat. Med., t. VI., 410. Recommended by Valentin, in tetanus, (non traumatique.) They did not have it in sufficient quantities to repeat the experiment; with us, it is abundant. It possesses some reputation among the negroes as an aphrodisiac.

*Solidago sempervirens*.—Mer. et DeL. Dict. de Mat. Med., t. VI., 436.

*Sonchus oleraceus*.—Mer. et DeL. Dict. de Mat. Med., t. VI., 439. Emollient.

*Spergula arvensis*.—Mer. et DeL. Dict. de Mat. Med., t. VI., 497. "Cows which feed on it give milk in larger quantities and of a richer quality." Loc. cit.

*Spigelia marilandica*, (Pink root.)—Eb. Mat. Med., 214; Ell. Bot., 237; Fr. Elem., 187; L.e. Mat. Med., II., 377; Big. Am. Med. Bot., I., 142; Home Chim. Exper., 420; Murray App. Med., I., 548; Royle Mat. Med., 469; Thompson Inaug. Diss. Feneulla Journ. de Pharm., IX., 197; Griff. Phil. Jour. Pharm., App. 1833; cit. in Big.; Chalmers on Weather and Dis. of So. Carolina, I., 67; Garden's Essay Phys. and Liter., III., 145, and Lining, vol. I., 386; Ess. and Obs., Phys. and Lit.; Bell's Pract. Dict., 433; Ed. & Vav. Mat. Med., 595; Pe. Mat. Med., II., 344; U. S. Disp., 680; Ball. & Gar. Mat. Med., 334; Bergii Mat. Med., t. I., 96; Me. et DeL. Dict. de Mat. Med., t. VI., 502; Coxe Am. Disp., 128 and 558; Bull. des Sc. Med. de Ferus., XI., 301; Lind. Nat. Syst. Bot., 299; Bart. Am. Med. Bot., II., 80. Abundant in rich spots, margin of roads, &c.; well known as an anthelmintic, cathartic and narcotic. Of very great use on the plantations in St. John's, as a vermisuge.

*Styllingia sylvatica*, (Queen's delight.)—U. S. Disp., 687; Frost, in So. Journ. Med. and Pharm., Oct., 1846. A valuable ingredient in the composition of diet drinks. Adds to the efficacy of sarsaparilla. Used in St. John's, in the treatment of syphilis, and as an alterative in scrofula and cutaneous diseases generally. A very acrid milk exudes in great abundance from the bruised surface. Those living in the country, where it is very abundant, should ascertain the virtues of this plant with greater certainty. It is worthy of an examination.

*S. sebifera*.—Me. et DeL. Dict. de Mat. Med., t. II., 476; see Croton sebif. of Mich. An ointment made from this is applied in nocturnal fevers. The Chinese, according to Thunberg, em-

ploy the concreted oil extracted from the plant in manufacturing candles.

*Taraxacum densleonis*, (see Leontodon of some Bot.; Dandelion.)—Watson's Pract. Physic., 39; Bell's Pract. Dict., 445; Royle Mat. Med., 453; Pe. Mat. Med., II., 401; Ed. & Vav. M. Med., 181; U. S. Disp., 706; Wilson Philip Dis. of Abdom. Viscera; Le. Mat. Med., I., 396; Brande Dict. Mat. Med. and Pharm., 632; Woody. Med. Bot., 39, t. 16; DeCandolle Podro., VII., 45; Ball. & Gar., 319; Bergii Mat. Med., II., 687; Me. et DeL. Dict. de Mat. Med., t. IV., 87; English Physician, by N. Culpepper, Student in Physic and Astrology, p. 109. “Jaundice and hypochondriacal affections.” Aperient and diuretic in hepatitis and dropsy. See Woody. Med. Bot. It is spoken highly of in chronic affections of the liver, and used to some extent in the composition of diet drinks. Eberle recommends it in chronic cases of infantile jaundice, (“Diseases of Children.”) The young branches and shoots may be eaten as a salad.

*Tillandsia usneoides*, (Common moss.)—Mer. et DeL. Dict. de Mat. Med., t. VI., 743; Journ. de Pharmacien, III., 185. Stomachic, purgative, and even diuretic; employed in hemorrhoids. Loc. cit. We see no notice of it in the Am. Dispensaries.

*Trifolium repens*.—Ell. Bot., II., 201.

*T. reflexum*.—Affects very sensibly the salivary glands.

*Trillium sessile*.—Lind. Nat. Syst. Bot., 348. “Roots generally violently emetic.”

*Tripterella cærulea*, (Blue tripterella).—Lind. Nat. Syst. Bot., 331; Nuttall in Act., Phila., 7, 23.

*Typha latifolia*, (Cat tail).—Me. et DeL. Dict. de Mat. Med., t. VI., 795; Journ. de Chim. Med., IV., 179; Journ. de Pharm., XII., 564. This plant has received a very extended notice in the work cited. The root is eaten as a salad; a jelly is also extracted from it. Aublet assures us it is good in gonorrhœa and chronic dysentery. The bark has been employed in the fabrication of hats, and with cotton, in making gloves, and some have recommended it in manufacturing china paper; see the Dict. de Mat. Med. loc. cit. We would call attention to it.

*Ulmus americana*.—Mer. et DeL. Dict. de Mat. Med., t. VI., 799; Phil. Med. Museum, II.; Coxe Am. Disp., 611. It is probable he refers to the *Ulmus fulva*, (Slippery Elm,) which grows in the upper part of South-Carolina. I have seen it in Fairfield District.

*Vaccinium arboreum*, (Farcle berry).—Ell. Bot., I., 496. Bark of root very astringent; used in the form of decoction, for chronic dysentery and diarrhœa. Loc. cit.

*Verbascum thapsus*, (Mullein).—Pe. Mat. Med., II., 295; U. S. Disp., 735; Watson's Pract. Phys., 202; Royle Mat. Med., 493; Le. Mat. Med., II., 416; Journ. de Chim. Med., t. II., 223;

Home. Clin. Exp. and Hist.; Bergii Mat. Med., I., 118; Me. et DeL. Dict. de Mat. Med., t. VI., 864; Bull. des Sc. Med. de Fergus., XVI., 341. Leaves demulcent and anodyne emollient; infusion administered on the continent of Europe, in catarrhs, and decoction in diarrhoea. Among the poorer classes it is much employed as a dressing for sores. Merat states that it is efficacious in colicks, ardor urinæ, and, a watery distillation of the flowers, in erysipelas.

*V. blattaria*.—Me et DeL. Dict. de Mat. Med., t. VI., 863.

*Verbena urticifolia*, (Nettle-leaf vervain).—U. S. Disp., 1304. An antidote for poisoning by the rhus toxicodendron.

*Vernonia angustifolia*.—Root used by negroes as a remedy for the bite of serpents.

*Vicia sativa*.—Me. et DeL. Dict. de Mat. Med., t. VI., 893.

*Viscum verticillatum*, (Mistletoe).—Le. Mat. Med., II., 456; Me. et DeL. Dict. de Mat. Med., t. VI., 866; Journ. de Med., LXX., 529; Lind. Nat. Syst. Bot., 50; Eberle "Diseases of Children," p. 522. In infantile epilepsy, &c.

*Viola cucullata*.—Le. Mat. Med., I., 223. A decoction given to children in eruptive diseases. Loc. cit.

*V. tricolor*.—Le. Mat. Med., II., 453; U. S. Disp., 743; Trou. et Pid. Traite de Therap. et de M. Med., t. II., 15; U. S. Dis., 743.

*V. palmatta*.—Ell. Bot., 300. Very mucilaginous; employed by negroes in making soup; commonly called wild okra. Bruised leaves used as an emollient application.

*Xanthium strumarium*, (Burr, Burdock).—Me. et DeL. Dict. de Mat. Med., t. VI., 970; Diascoride's Lib., IV., 133. It has been administered in scrofula; properties not accurately ascertained.

#### FERN:

*Osmunda regalis*.—Lindley's Nat. Syst. Bot., 400. "Has been employed successfully, in doses of three drachms, in the rickets." Op. cit.

## CATALOGUE

Of Phænogamous Plants and Ferns, native, naturalized, and exotic; collected in the Parish of St. John's, Berkley, South-Carolina; Lat. 31° 10'; Long. 33. 15. Lands lying between the waters of Cooper and Santee Rivers, forty miles from the ocean; twenty feet above tide level, embracing a growth of Oak, Hickory, Swamp and River Trees.

Plants marked thus (\$) are not described, under the names given in this Catalogue in Elliott's Sketch. For other references see May Number, in introduction to first part of Catalogue.

|  |               |   |   |                      |       |
|--|---------------|---|---|----------------------|-------|
| <i>Acalypha virginica</i> , Linn.<br>in wet corn fields.                             | July.         | <i>Alium striatum</i> , border of roads.  | Pursh.  | May.                 |       |
| <i>Acer rubrum</i> , swamps Linn.<br>and rich soils.                                 | Feb.          | <i>mutable</i> ,*<br><i>cepa</i> , (Ex.)  | Mx<br>In.   | May.<br>July.        |       |
| <i>saccharinum</i> ,* Mx.<br><i>Acerates longifolia</i> , Ell. Sk.<br>along ditches. | Mar.<br>July. | <i>sativa</i> , (Ex.)<br><i>porrum</i> , (Ex.)<br><i>fragrans</i> , (Ex)  |   | July.<br>July.       |       |
| † <i>Achillea millefolia</i> , Linn.<br>rich cultivated soils.                       | July.         | † <i>Alnus serrulata</i> ,<br>damp pine land  | Ait.  | Ap.                  |       |
| † <i>Achyranthes repens</i> , Ell.<br>common on margin of roads.                     | My. O.        | <i>Alopecurus geniculatus</i> , in rice fields.   | Linn.   | July.                |       |
| † <i>Acorus calamus</i> , Linn.<br>in morasses—roots<br>immersed.                    | Ap.           | <i>Amaranthus hybridus</i> ,<br><i>spinulosus</i> ,<br>in old settlements.  | Linn.<br>Linn.  | July.<br>Aug.        |       |
| <i>Achnida</i> , Fid. Gry<br><i>Acinella</i> , (see <i>Spilanthes</i> )              |               | <i>hoidus</i> ,<br>rich cultivated soils.   | Linn.   | July.                |       |
| repens,<br>damp soils.   |               | † <i>Amaryllis atamasco</i> ,<br>wet swampy land.   | El. S. Li.  | May.                 |       |
| † <i>Aesculus pavia</i> , (rich Linn.<br>oak land.)                                  | May.          | { <i>Amelan-</i> { <i>canad-</i><br>{ <i>chier</i> { <i>ensis</i> ,<br>{ <i>Aronia</i> { <i>va. bot-</i><br>{ <i>Ell. Sk.</i> { <i>ryassium</i><br>{ <i>arbutifolia</i> . | T. & Gy.  | Mch.                 |       |
| † <i>Agave virginica</i> , in Linn.<br>Wasamasa—near Black Oak.                      | Aug.          | † <i>Ambrosia</i> , { <i>artemisi-</i><br>{ <i>aeafolia v.</i><br>{ 3 { <i>panicu-</i><br>{ { <i>lata</i> ,<br>{ { <i>pastures</i> .                                      | T. & Gy.  | Aug.                 |       |
| † <i>Agrimonia eupatoria</i> , Linn.<br>dry oak lands.                               | Aug.          |   | Ell. Sk.  |                      |       |
| { <i>parviflora</i> , S. & Gy.<br>{ <i>snaveoleus</i> Ell. Sk.                       | Aug.          |   |   |                      |       |
| side of roads.   |               |   |   |                      |       |
| <i>Agrostis</i> ( <i>junccea</i> see <i>vilfa</i> .)                                 | Mx.           | July.   | Ammania pumilis,<br>wet soils.                                      | Mich.                | Sept. |
| <i>indica</i> , past' es.  |               |   | Ammi see <i>Discopleura</i> ,                                       |                      |       |
| <i>trichopodes</i> ,   | Ell.          | Sept.   | <i>Amorpha futilosa</i> ,<br>border of roads.                       | Linn.                | May.  |
| <i>clandestina</i> ,   | Ml. Cat.      | Sept.   | { <i>herbacea</i> ,<br>{ <i>pubescens</i>                           | W. T & G<br>Ell. Sk. | July. |
| <i>Aira obtusata</i> ,   | Ell.          | May.  | { <i>Ampelopsis quin-</i><br>{ <i>quefolia</i> ,                    | Mich.                | July. |
| pallens,   |               |   | { <i>Cissus hederacea</i> ,<br>border of roads and<br>along fences. | Ell. Sk.             |       |
| mollis,  |               |   |   |                      |       |
| † <i>Aletris aurea</i> ,   | Walt.         | July.   |   |                      |       |
| old fields.  |               |   |   |                      |       |
| <i>farinosa</i> ,  | Linn.         | June.   | <i>Amphicarpa monoica</i> ,   | Ell. Sk.             | Aug   |
| pastures.  |               |   |   |                      |       |

|  |       |       |  |          |       |
|--|-------|-------|--|----------|-------|
| <i>Amsonia latifolia,</i><br>wet spots.  | Ph.   | Apl.  | + <i>Arachis hypogaea,</i><br>+ <i>Aralia spinosa,</i><br>rich swamp land.         | Linn.    | July  |
| <i>Amygdalus persica,</i><br>Ex.   |       | April | { <i>Archangelica hirsuta,</i><br>{ <i>Angelica triquinata,</i><br>rich oak lands. | T. & Gy. | July  |
| <i>Anagallis arvensis,</i><br>sandy soils.                                     | Ph.   | June  | { <i>lueida,</i><br>(Upper St. John's,) <i>edible, very aromatic.</i> )            | Ell. Sk. |       |
| <i>Andromeda ligustrina</i> Muhl.<br>† <i>mariana,</i><br>oak and pine land.   | May   | May   | { <i>Archemora rigida,</i><br>{ <i>Sium,</i>                                       | T. & Gy! | June  |
| <i>paniculata,</i> Ell. Sk.  |       | March | <i>Arenaria serpyllifolia,</i><br>( <i>glabra</i> , see <i>Stellaria.</i> )        | Ell. Sk. | Sept  |
| <i>racemosa,</i> Mx.   |       |       | + <i>Argemone mexicana,</i><br>around buildings.                                   | Linn.    | July  |
| around ponds.  |       |       | <i>Aristida stricta,</i><br>sandy soils.   | Mx.      | Sept  |
| <i>nitida,</i> Walt.   | April |       | <i>gracilis,</i><br><i>lanosa,</i>   | Ell.     | Oct   |
| damp pine bays.  |       |       | + <i>Aristolochia serpentaria,</i><br>rich swamp land.                             | Muhl.    | Oct   |
| † <i>arborea,*</i> Linn.   | June  |       | <i>Arnica nudicaulis,</i><br>† <i>Arum triphyllum,</i><br>rich spots.              | Linn.    | May   |
| <i>frondosa ?</i>  |       |       | <i>walteri,</i><br>near Cooper River.  | Ell. Sk. | May   |
| <i>Andropogon scoparius</i> Mx.  | Sept  |       | <i>dracontium,</i><br>rare, rich swamp land  | W.       | May   |
| <i>nutans,</i><br>dry soils.   |       |       | old avenue, between<br>Ophir and Whitehall<br>Pt.                                  |          |       |
| <i>ciliatus,</i> Ell.  | Sept  |       | { <i>Arundinaria macro-</i><br>{ <i>sperma,</i>                                    | Ell. Sk. | April |
| dry pine barrens.  |       |       | <i>Arundo gigantea &amp;</i><br><i>tecta,</i>                                      | Walt.    |       |
| <i>argentens,</i> Ell.   | Oct   |       | <i>Miegia macrosperma</i> va. <i>gigantea,</i>                                     | Eat. Mn. |       |
| dry soils.   |       |       | + <i>Asarum canadense,</i><br>rich swamp land.                                     | L.       | May   |
| <i>ternarius,</i> Mx.  |       |       | + <i>arifolium,</i><br>swamps.   | Mx.      | April |
| pine barrens.  |       |       | <i>Asclepias obtusifolia,</i><br>{ <i>periplocaefolia,</i>                         | Mx.      | June  |
| <i>ambiguus,</i> Mx.   | Sept  |       | { <i>laurifolia,</i><br>{ <i>variegata,</i>  | Nutt.    | July  |
| <i>dissitiflorus,</i> Ell. Sk.   |       |       | rich soils.  | Ell. Sk. |       |
| <i>■ virginicus,</i><br>furcatum,<br>vaginatus,<br>macrourus,<br>tetrastachys, |       |       | <i>parviflora,</i><br><i>connivens,</i>  | W.       | May   |
| <i>Anemone virginiana,</i> Linn.   | July  |       | + <i>verticillata,</i>   | Ell. Sk. | July  |
| rich shaded soils.   |       |       | + <i>tuberosa,</i>   | Mx.      | July  |
| <i>■ caroliniana,</i> Walt.  | May   |       | pine land.   | W.       | Aug   |
| Goshen Avenue.   |       |       | <i>paupercula,</i>   |          |       |
| <i>Anethum foeniculum,</i> May   |       |       | rare—near Pineville,   | Ell. Sk. |       |
| <i>Angelica</i> (see <i>Arch-</i><br><i>angelica,)</i>                         |       |       | Clarke's road; very  |          |       |
| <i>Antennaria</i> ( <i>Gnapha-</i><br>lium of Ell. Sk.)                        |       |       | beautiful crimson.   |          |       |
| { <i>Plantaginifolia,</i> Eat. Mn. May   |       |       |  |          |       |
| { <i>G. plantagin-</i> Ell. Sk.  |       |       |  |          |       |
| cum.   |       |       |  |          |       |
| { <i>Antirrhinum cana-</i> L. & W.   |       |       |  |          |       |
| dense,   |       |       |  |          |       |
| { <i>Linaria,</i> old fields.  |       |       |  |          |       |
| <i>Anthemis</i> , (see <i>Maru-</i><br>ta.)                                    |       |       |  |          |       |
| <i>Apios tuberosa,</i><br>Cooper River.  | July  |       |  |          |       |
| <i>Apium petroselinum,</i><br>Ex.  |       |       |  |          |       |
| + <i>Apocynum</i> { <i>cannabi-</i> Eat. Mn. June                              |       |       |  |          |       |
| num,   |       |       |  |          |       |
| { <i>pubes-</i> Ell. Sk.   |       |       |  |          |       |
| cens,  |       |       |  |          |       |
| pastures.  |       |       |  |          |       |

† In Ell. Sk. a synonyme of Linn. under *a dissitiflorus*.

■ Elliott says, "This beautiful and fragrant plant has probably escaped the notice of all our Botanists, except Walter, its habitation in this country is very limited." Vol. II., 53. I found it in the Avenue, at Goshen Plantation.

|                                       |           |      |                                     |               |       |
|---------------------------------------|-----------|------|-------------------------------------|---------------|-------|
| <i>angustifolia,</i>                  | Ell       | June | <i>Berchemia volubilis</i>          |               | May   |
| <i>amplexicaulis,</i>                 | Mx        | May  | <i>Zizyphus, swamps-</i>            | <i>Ell Sk</i> | Sept  |
| sandy soils.                          |           |      | <i>Bedens,</i>                      | <i>Mx</i>     | Sept  |
| <i>Ascyrum crux-andrae</i>            | W         | July | <i>chrysanthemoides,</i>            |               |       |
| { <i>hypericoides,</i>                | Ell Sk    |      | <i>frondosa,</i>                    |               |       |
| { <i>stans,</i>                       | T & Gry   |      | <i>bipinnata,</i>                   |               |       |
| dry pine lands.                       |           |      | damp pastures.                      |               |       |
| <i>amplexicaule?</i>                  | Ma        | Aug  | <i>Bigelovia nudata,</i>            | T & Gry       |       |
| * <i>Asparagus officinalis,</i>       | Linn      | May  | { <i>Chrysocoma,</i>                | <i>Ell Sk</i> |       |
| grows wild on banks                   |           |      | <i>Bignonia radicans,</i>           | <i>L</i>      | June  |
| of Cooper river.                      |           |      | cultivated soils.                   |               |       |
| <i>Aster, (see Sericocar-</i>         |           |      | { <i>capreolata,</i>                | <i>L</i>      | April |
| <i>-pus.)</i>                         |           |      | { <i>erucigera,</i>                 | <i>Walt</i>   |       |
| <i>concolor,</i>                      | Linn      | Aug  | <i>Bletia aphylla,</i>              | <i>Nutt</i>   | Aug   |
| dry soils.                            |           |      | rich soils.                         |               |       |
| { <i>patens,</i>                      | T & Gry   |      | \$ <i>Brachyelytrum erec-</i>       |               |       |
| { <i>undulatus,</i>                   | Ell Sk    | Oct  | tum,                                |               |       |
| { <i>undulatus,</i>                   | T & G     |      | <i>Brassica rassa, Ex.</i>          |               | June  |
| { <i>diversifolius.</i>               | Ell Sk M  | Oct  | <i>oleracea, Ex.</i>                |               |       |
| <i>cordifolius,</i>                   |           |      | <i>Brassenia, (see Hy-</i>          |               |       |
| oak lands.                            |           |      | <i>dropeltis.</i>                   |               |       |
| <i>squarrosum,</i>                    |           |      | peltata,                            | Pursh         | July  |
| <i>carolinianus,</i>                  | Wr        | Nov  | submersed Santee ca-                |               |       |
| on Santee canal, and                  |           | Oct  | nal.                                |               |       |
| near Mulberry Cas-                    |           |      | <i>Boltonia diffusa,</i>            | <i>Ell</i>    | Aug   |
| tle, C. River.                        |           |      | rich soils.                         |               |       |
| <i>ericoides,</i>                     | W.        | Nov  | <i>glastifolia,</i>                 |               |       |
| dry soils.                            |           |      | <i>asteroides,</i>                  |               |       |
| <i>multiflorus,</i>                   | Ait       | Sept | <i>Borkhansia,</i>                  |               |       |
| pine land.                            |           |      | (see <i>Pyrrhypappus.</i> )         |               |       |
| <i>versicolor,</i>                    | W         | Sept | <i>Brickellia cordifolia,</i>       |               |       |
| rich wet soils.                       |           |      | Fr. Rev. C. Wallace,                |               |       |
| <i>scaber?</i>                        | Ell       | Sept | C. river.                           |               |       |
| \$ <i>Baldwinii,</i>                  |           |      | <i>Briza eragrostis,</i>            | Me.           | Oct   |
| <i>paniculatus,</i>                   |           |      | <i>Bromus secalinus,*</i>           | W             |       |
| <i>dumosus,</i>                       |           |      | <i>Buchnera elongata,</i>           | Fed Gry       |       |
| <i>novae-angliae,</i>                 | Linn      | Sept | <i>Bunus sempervirens,</i>          |               |       |
| \$ <i>miser,</i>                      |           |      | va. <i>suffruticosa, Ex.</i>        |               |       |
| <i>Aulaxanthus ciliatus,</i>          | Ell       | Sept | <i>Bumelia lycioides,</i>           | <i>Ell</i>    | July  |
| pine barrens.                         |           |      | very rare—tree on                   |               |       |
| <i>rufus,</i>                         | Ell       | Aug  | Sarrazin Pl.                        |               |       |
| damp soils.                           |           |      | <i>Cacalia atriplicifolia,</i>      | Linn          |       |
| <i>Azalea nudiflora,</i>              | Linn      | May  | lanceolata,                         | N             | Sept  |
| rich shaded spots.                    |           |      | rare—in Horsehead,                  |               |       |
| <i>viscosa,</i>                       | W         | June | near Pineville.                     |               |       |
| damp pine land.                       |           |      | <i>Cactus, (see Opuntia)</i>        |               |       |
| * <i>Baccharis halimifolia</i>        | L         | Oct  | <i>Callicarpa americana,</i>        | Mx            | July  |
| old fields.                           |           |      | rich soils.                         |               |       |
| * <i>Baptisia tinctoria,</i>          | Ell       | July | <i>Callitriches</i> { <i>verna,</i> | W             | June  |
| oak lands.                            |           |      | { <i>hetero-</i>                    | <i>Ell Sk</i> |       |
| <i>alba,</i>                          | Ell       | Aug  | { <i>phylla,</i>                    |               |       |
| near Santee river.                    |           |      | damp soils generally                |               |       |
| * <i>Berberis</i> { <i>canadensis</i> | Nutt      | May  | submersed.                          |               |       |
| { <i>vulgaris,</i>                    | Eat M     |      | <i>Calycanthus floridus,</i>        | Mx            | April |
| near the Eutaw battle                 |           |      | sweet scented shrub;                |               |       |
| ground.                               |           |      | our most aromatic                   |               |       |
| <i>Beta vulgaris, Ex.</i>             |           |      | plant. I have seen it               |               |       |
| <i>Betula</i> { <i>rubra,</i>         | Mx        |      | growing wild in Fair-               |               |       |
| { <i>nigra,</i>                       | T & El Sk |      | field District.                     |               |       |
| Santee river swamps.                  |           |      |                                     |               |       |

|   |  |       |   |                   |       |
|---|--|-------|---|-------------------|-------|
| <i>Campanula amplexicaulis,</i><br>cultivated soils.  | Mx   | April | <i>intermedius,</i><br>habitat the same.  | Ell Sk            | Aug   |
| <i>Capsicum annuum,</i><br>Ex.  |  |       | <sup>†</sup> <i>Cenchrus echinatus,</i><br><sup>†</sup> <i>Centaurea,</i> (see <i>Cnicus,</i> | L                 | July  |
| <i>Cardamine hirsuta,</i><br><i>pensylvanica,</i><br>pastures.  | T & G<br>Ell Sk  |       | <i>Centrosema virginiana.</i>   | T & G             |       |
| <i>§ludoviciana,</i><br><i>spathulata?</i>  | T & G.H  |       | <i>Clitoria,</i><br><i>Centunculus lanceolatus,</i>   | Ell Sk<br>Mx      | May   |
| <i>Carex stipata,</i><br><i>crinita,</i><br><i>anceps,</i><br><i>laniflora,</i><br><i>glaucescens,</i><br><i>gigantea,</i><br><i>rosea,</i><br><i>stellulata,</i><br><i>muhlenbergii,</i><br><i>comosa,</i><br><i>fulcata,</i><br><i>§venusta,</i><br><i>§blanda,</i><br><i>§elliottii,</i><br><i>§intumescens,</i><br><i>triceps,</i><br><i>lupulina,</i><br><i>granularis,</i><br><i>multiflora,</i><br><i>§staminea,</i> | Muhl<br>Lam<br>Muhl<br>Ell<br>Rudge<br>Boot<br>Ell Sk<br>Dewey<br>Dewey<br>Rudge<br>Mx |       | rare—near the old residence of Walter,<br>the author of "Flora Caroliniana."                  | L                 | July  |
| <sup>†</sup> <i>Caprifolium sempervirens,</i>   |  | May   | <sup>†</sup> <i>Cephalanthus occidentalis,</i><br>wet soils—along pine land bays.             |                   |       |
| <sup>†</sup> <i>Capsella bursa-pastoris,</i>  | Eat M  | May   | <sup>§</sup> <i>Ceratophyllum americanum?</i>   |                   |       |
| <sup>†</sup> <i>Thlaspi,</i>  | Ell Sk   |       | <i>Cerastium viscosum,</i><br>cultivated soils.   | L                 | May   |
| <sup>†</sup> <i>Carpophorus,</i>  | T & G  |       | <sup>†</sup> <i>Cerasus,</i> <sup>†</sup> <i>Prunus</i>                                       | T & T G<br>Ell Sk | May   |
| <i>Liatris, in part</i>   | Ell Sk   |       | <sup>†</sup> <i>serotina,</i> <sup>†</sup> <i>P. virgini-</i>                                 |                   |       |
| <i>tomentosus,</i>  |  | May   | <sup>in part</sup> <i>niana,</i>  |                   |       |
| <i>L. Walteri,</i>  | Ell Sk   |       | <sup>†</sup> <i>caroliniana,</i>  | T & G             | April |
| damp pine land.   |  |       | <sup>†</sup> <i>P. carolianus,</i>  | Ell Sk            |       |
| <i>Carya tomentosa,</i>   | Nutt   | May   | planted as an ornamental tree—wild orange.  |                   |       |
| rich land.  |  |       | <sup>†</sup> <i>umbellata,</i>  | T & G             | April |
| <i>amara,</i>   | Mx   | April | <sup>†</sup> <i>P. umbellatus,</i>  | Ell Sk            |       |
| <i>olivaeformis,</i>  | W  | May   | <i>Cercis canadensis</i>  | L                 | March |
| (Pecannut,) one seen in Ward swamp.   |  |       | very ornamental, edge of swamps.  |                   |       |
| <sup>†</sup> <i>Cassia chamaecrista,</i>  | L  | July  | <i>Ceresia fluitans,</i>  |                   |       |
| <i>nictitans,</i>   | L  | July  | swamps p. and rice fields.  |                   | Oct   |
| <sup>†</sup> <i>occidentalis,</i>   | L  |       | <i>Chaptalia integrifolia,</i>  | Mx                | June  |
| <sup>†</sup> <i>Castanea pumila,</i>  | W  | June  | rank pine barrens.  | L                 | Oct   |
| dry soils.  |  |       | <sup>†</sup> <i>Chelone glabra,</i>   |                   |       |
| <sup>†</sup> <i>Catalpa cordifolia,</i>   | Ell  | May   | edge of pine land bays.   |                   |       |
| rich soils near buildings, ornamental.  |  |       | <sup>†</sup> <i>Chenopodium album,</i>  | L                 |       |
| <i>§Caculus carolinus,</i>  | Fid Gy   |       | around buildings.   |                   |       |
| <sup>†</sup> <i>Celtis occidentalis,</i>  | L  | May   | <sup>†</sup> <i>anthelminticum,</i>   | L                 |       |
| margin of streams.  |  |       | old buildings.  |                   |       |
| <sup>†</sup> <i>Ceanothus americana</i>   | L  | July  | <sup>†</sup> <i>Chemaphila maculata</i>   | Pursh             | July  |
| dry pine land.  |  |       | rich swamps.  |                   |       |
|   |  |       | <sup>†</sup> <i>Chionanthus virginica,</i>  | Mx                | April |
|   |  |       | swamps, very ornamental.  |                   |       |
|   |  |       | <i>Chloris petrea,</i>  | Fid Gry           |       |
|   |  |       | <sup>†</sup> <i>Chrysanthemum leucanthemum,</i>   | L                 | July  |
|   |  |       | rich soils.   |                   |       |

|  |          |       |                                      |          |       |
|--|----------|-------|--------------------------------------|----------|-------|
| <i>Chrysocoma</i> , (see <i>Bigs-</i>        | Mx       |       | sagittifolius,                       | Mich     | Aug   |
| elovia,                                      |          |       | rice fields on Back                  |          |       |
| <i>Chrysogonium virginianum</i> ,            | W        | April | river.                               |          |       |
| <i>Chrysopsis marianna</i> , pine land.      | Nutt     | Oct   | tenellus,                            | L        | July  |
| <i>graminitolia</i> , pastures.              | Nutt     | Oct   | dry pine and oak land                |          |       |
| <i>trichophylla</i> , dry pine land.         | Nutt     | Sept  | aquaticus,                           | Walter   | Sept  |
| <i>gossepina</i> , argentea,                 | Mx       | Oct   | damp pine land.                      |          |       |
| pine land.                                   | Persoon  | Oct   | battatus Ex.                         |          |       |
|  |          |       | <i>Conyza</i> (see <i>Pluchea</i> .) |          |       |
|  |          |       | <i>Sambigua</i> ,                    | Fd GDC   |       |
|  |          |       | <i>Coreopsis</i> { <i>dichotoma</i>  | Mx       | Sept  |
|  |          |       | { <i>gladiata</i> ,                  | M & ESk  |       |
|  |          |       | wet spots in pine land.              |          |       |
| <i>Chaerophilum procumbens</i> ,             | Fed Gry  |       | { <i>lanceolata</i> va.              | T & G    |       |
|  |          |       | { <i>villosa</i> .                   |          |       |
| † <i>Cicuta maculata</i> , inundated land.   | L        | July  | { <i>crassifolia</i> ,               | Ell Sk   | Oct   |
|  |          |       | { <i>auriculata</i> ,                | T & G    |       |
| <i>Claytonia virginica</i> ,* Cooper river.  | L        | April | { <i>auriculata</i> va.              | Ell Sk   | Aug   |
|  |          |       | { <i>diversifolia</i> ,              |          |       |
| <i>Clematis cylindrica</i> , edge of swamps. | T & Gry  |       | { <i>delphinifolia</i> ,             | Lam      |       |
|  |          |       | { <i>verticillata</i> ,              | Ell Sk L | July  |
| <i>Clethra tomentosa</i> , damp pine land.   | L K      | July  | pine land.                           |          |       |
|  |          |       | mitis,                               | Mx       | Aug   |
| { <i>Clitoria marianna</i> , dry pine land.  | L Ell Sk | Aug   | angustifolia,                        |          |       |
|  |          |       | { <i>integrifolia</i> ,              | T & G    |       |
| { <i>Centrosema</i> in part                  | T & G    |       | { <i>semleri</i> ,                   | Ell Sk   |       |
| { <i>Cnicus benedictus</i> ,                 | T & G    | Aug   | <i>Saurea</i> va. <i>lessto-</i>     |          |       |
| { <i>Centaurea</i> , pastures                | Ell Sk   |       | phylla,                              |          |       |
| { <i>Cirsium</i> { <i>maticum</i>            | T & G    | July  | † <i>Cornus florida</i> ,            | L        |       |
| { <i>va!</i>                                 |          |       | rich oak land.                       |          |       |
| { <i>Cnicus</i> { <i>C. glaber</i>           | Ell Sk   |       | stricta,                             | L'Herit  | May   |
| Ell. Sk.                                     |          |       | asperifolia,                         | Mx       |       |
| horridulum                                   | T & G ?  |       | <i>Coronopus</i> (see <i>Lene-</i>   |          |       |
| va. <i>elliottii</i> ,                       |          |       | briera,                              |          |       |
| oak and pine land.                           |          |       | <i>Corylus americana</i> ,           | Walt     | April |
| repandum,                                    |          |       | generally rare—but                   |          |       |
| <i>virginianum</i> ,                         |          |       | abundant near Som-                   |          |       |
| <i>Cochlearia armoracea</i>                  |          |       | erton plantation.                    |          |       |
| Ex. Nat.                                     |          |       | <i>Craizachis multiflora</i> ,       | Ell      | Oct   |
| <i>Collinsonia punctata</i> ,                | Ell      | Sept  | very rich soils, rare.               |          |       |
| rich soils.                                  |          |       | <i>Crataegus</i> { <i>aestivalis</i> | T & G    |       |
| <i>verticillata</i> ,                        | Bald     |       | { <i>elliptica</i> ,                 | Ell Sk   |       |
| scabra,                                      | Ph       | Aug   | very damp spots—                     |          |       |
| <i>Commelinia virginica</i> ,                | L        | July  | roots generally sub-                 |          |       |
| <i>communis</i> ,                            | Pursh    | Aug   | mersed.                              |          |       |
| pine land.                                   |          |       | <i>parrifolia</i> ,                  | L        | May   |
| erecta va. A                                 | L        |       | <i>crus galli</i> ,                  | L        | May   |
| { <i>Conoclinium coelostinum</i> ,           | T & G    |       | damp woods.                          |          |       |
| { <i>Eupatorium</i> ,                        |          |       | <i>apiifolia</i> ,                   | Mx       | Ap    |
| { <i>Convallaria biflora</i> ,               | Ell Sk   |       | { <i>coccinea</i> va.                | T & G    |       |
| { <i>Polygonatum</i> ,                       | Wr       |       | { <i>populifolia</i> ,               |          |       |
| rich swamp land.                             | Ell Sk   |       | { <i>populifolia</i> ,               | Ell Sk   | April |
| { <i>racemosa</i> ,                          |          |       | <i>pyrifolia</i> ,                   | A        | June  |
| { <i>smilacina racemosa</i> ,                | Ell Sk   |       | rich swamp land.                     |          |       |
| oak and pine land.                           |          |       | aborescens ?                         | Ell      |       |
| purpureus,                                   | Wr       | Aug   | lucida,                              | Ell      |       |
| † <i>Convolvulus pandurus</i> ,              | Mx       | July  | <i>Crotallaria sagittalis</i> ,      | Mx       | Aug   |
| atus,  |          |       | dry pine land.                       |          |       |
| oak and pine land.                           |          |       | <i>ovalis</i> ,                      | Ph       | July  |
| purpureus,                                   |          |       | <i>Croton glandulosum</i> ,          |          |       |
|  |          |       | cultivated soils.                    |          |       |

|  |         |      |                                 |                  |        |       |
|--|---------|------|---------------------------------|------------------|--------|-------|
| <i>Cucurbita lagenaria</i> ,<br>nat. cultivated spots. | W       | Oct  | <i>Decumaria</i>                | <i>barbara</i> , | L&T&G  | July* |
| <i>pepo</i> , Ex.                                      | W       |      | <i>sarmen-</i>                  |                  | Ell Sk |       |
| <i>citrullus</i> , Ex.                                 | W       |      | <i>tosa</i> ,                   |                  |        |       |
| <i>Cumumis melo</i> , Ex.                              | W       |      | <i>Desmodium nudi-</i>          | T & G            |        |       |
| <i>sativus</i> Ex.                                     | W       |      | <i>florum</i> ,                 |                  |        |       |
| † <i>Cupressus disticha</i> ,                          | L       | Feb  | <i>Hedzsarum</i> ,              | Ell Sk           |        |       |
| roots submersed, in-                                   |         |      | shaded soils.                   |                  |        |       |
| undated land.  |         |      | <i>laevigatum</i> ,             |                  | July   |       |
| † <i>Cascula americana</i> , <sup>!!</sup>             | L       | Aug  | <i>ciliare</i> ,                | Fid Gry          |        |       |
| wet soils.   |         |      | <i>acuminatum</i> ,             | Mx               |        |       |
| <i>Cyamus</i> see <i>Nelum-</i>                        |         |      | <i>lineatum</i> !               |                  |        |       |
| <i>bium</i> .  |         |      | very rare.                      |                  |        |       |
| { <i>Cymbidium pulchel-</i>                            | Sw      | Aug  | <i>cavescens</i> ,              | T & G            |        |       |
| <i>lum</i> ,   |         |      | <i>seaberrinum</i> ,            | Ell Sk           | July   |       |
| { <i>Calopogon</i> ,                                   | Ell Sk  |      | fields.                         |                  |        |       |
| <i>va. graminifolia</i> ,                              | Eat M   | Aug  | <i>cuspidatum</i> ,             | T & G            | Sept   |       |
| I have seen one with                                   |         |      | <i>bracteosum</i> ,             | Ell Sk           |        |       |
| white corolla near                                     |         |      | <i>Spauchiflorum</i> ,          | Fid Gry          |        |       |
| Pinopolis.   |         |      | <i>paniculatum</i> ,            |                  | July   |       |
| { <i>Cynthia virginica</i>                             | T & G ! | May  | <i>rhombifolium</i> ,           |                  | Sept   |       |
| { <i>Kregia amplexi-</i>                               | Ell Sk  |      | <i>glaebellum</i> ,             |                  | July   |       |
| in part  |         |      | shady soils.                    |                  |        |       |
| <i>Cynodon dactylon</i> ,                              | P       | Aug  | <i>marylandica</i> ,            | T & G            |        |       |
| § <i>Cynna arundinacea</i> ,                           | Fid Gry |      | <i>obtusum</i> ,                | Ell Sk           | Aug    |       |
| <i>Cynoglossum amplex-</i>                             | Mx      | June | <i>strictum</i> ,               |                  | July   |       |
| <i>icaule</i> ,  |         |      | pine land.                      |                  |        |       |
| <i>Cypens flavescens</i> ,                             | L       | Aug  | <i>rotundifolium</i> ,          |                  | July   |       |
| <i>virens</i> ,  |         | June | dry rich soils.                 |                  |        |       |
| wet soils.   |         |      | <i>Dichondra carolinien-</i>    | Mx               | June   |       |
| <i>mariscoides</i> ,                                   | Ell.    | Sept | <i>sis</i> ,                    |                  |        |       |
| <i>flavicomus</i> ,                                    | Mx      | Sept | wet soils, generally            |                  |        |       |
| § <i>gateri</i> ,                                      | Fid Tor |      | submersed.                      |                  |        |       |
| <i>strigosus</i> ,                                     |         |      | <i>Dichromena leucoce-</i>      | Mx               | Aug    |       |
| § <i>microdontus</i> ,                                 |         |      | <i>phala</i> ,                  |                  |        |       |
| <i>hydra</i> , fields.                                 | Mx      | Aug  | <i>latifolia</i> ,              |                  |        |       |
| <i>vegetus</i> ,                                       | Vahl.   | July | <i>Digitaria sanguinalis</i> ,  | Scop             |        |       |
| in ponds.  |         |      | <i>serotina</i> ,               | Mx               |        |       |
| <i>gracilis</i> ,                                      | Muhl.   |      | <i>villosa</i> ?                | Ell Sk           |        |       |
| <i>speciosus</i> ,                                     | Pursh   | Oct  | <i>filiformus</i> ,             |                  |        |       |
| ditches.   |         |      | <i>paspalooides</i> ,           | Mx               | Aug    |       |
| <i>enslenii</i> ,                                      | Ph      | July | <i>glabra</i> ,                 |                  |        |       |
| margin of ponds.                                       |         |      | <i>Dilatris tinctoria</i> ,     | Ph               | July   |       |
| <i>Cyrilla racemiflora</i> ,                           | L       | July | <i>Lachynanthes</i>             | Ell Sk           |        |       |
| border of pine land                                    |         |      | <i>Diodia tetragona</i> ,       | Walt             | Aug    |       |
| bays.  |         |      | pine land and damp              |                  |        |       |
| <i>Cynara scolymus</i> ,                               |         |      | <i>soils</i> .                  |                  |        |       |
| Ex. Nat.   |         |      | <i>teres</i> ,                  | Wr               | Aug    |       |
| { <i>Danthonia glumosa</i> ,                           | Mx      | July | <i>spermacoce</i>               | Ell Sk           |        |       |
| { <i>Avena</i> ,                                       | Ell Sk  |      | <i>diodina</i> ,                |                  |        |       |
| <i>Datura stramonium</i> ,                             | L       | July | <i>hirsuta</i> ,                | Pursh            | Aug    |       |
| around buildings.                                      |         |      | dry soils pine lands.           |                  |        |       |
| <i>Daucus carota</i> ,                                 | L       | May  | † <i>Diospyros virginiana</i> , | L                | May    |       |
| <i>pusillus</i> ,                                      | Mx      |      | damp soils.                     |                  |        |       |
|  |         |      | <i>Diptopappus linari-</i>      | T & G            |        |       |
|  |         |      | <i>folius</i> ,                 |                  |        |       |
|  |         |      | <i>Aster in part of</i>         | Ell Sk           |        |       |

!! Only one *Cascula* is described in Ell. Sk. There is a specimen collected in St. John's, which bears a strong resemblance to the *C. compacta*! sent from elsewhere to Mr. H. W. Ravenel; it is not uncommon.

!! Elliott remarks: "If no error has crept into the description of Michaux, this plant has not recently been seen by any of our Botanists." It grows in the upper portion of the Parish, (H. W. R?) and was also collected by the Rev. C. Wallace, near Cordesville.

|                                  |   |        |     |                                     |      |
|----------------------------------|---|--------|-----|-------------------------------------|------|
| † <i>Discopleura</i>             | <i>capillacea</i> , DC.                   | T & G! | Aug | <i>Eriocaulon gnaphaloides</i> , Mx | Aug  |
| <i>Ammi</i> , Ell.               | { <i>A.m-a-</i><br><i>Sk.</i> <i>gus,</i> | Wr     |     | <i>damp pine lands.</i>             |      |
| <i>Dioscorea villosa</i> ,       | L Ell Sk                                  | June   |     | <i>villosum,</i> Mx                 | July |
| quatemata,                       | M Ell Sk                                  | June   |     | <i>flavidulum,</i> Mx               | July |
| <i>Draba caroliniana</i> ,       | Walt                                      | April  |     | † <i>Eryngium aquaticum</i> , L     | July |
| sandy soils.                     |   |        |     | <i>pine land.</i>                   |      |
| <i>Dracocephalum varie-</i>      | Vent                                      | Aug    |     | <i>virginianum,</i> Ell Sk          | Aug  |
| <i>gatum,</i>                    |   |        |     | <i>Mulberry Castle, C.</i>          |      |
| damp swamp land                  |   |        |     | <i>river;</i> roots general-        |      |
| roots generally sub-             |   |        |     | ly submersed.                       |      |
| mersed.                          |   |        |     | { <i>virgatum,</i>                  | Aug  |
| † <i>Drosera rotundifolia</i> ,  | L   | May    |     | { <i>ovalisolum,</i>                |      |
| damp pine land.                  |   |        |     | <i>pine land.</i>                   |      |
| <i>longifolia,</i>               | L   | July   |     | <i>plukenetii,</i> Ell Sk           | Aug  |
| rare—seen near Pi-               |   |        |     | <i>Erythrina herbacea,</i> L        | July |
| nopolis, edge of Bay.            |   |        |     | rich shaded woods,                  |      |
| <i>Dolichium spathace-</i>       | Rd  | July   |     | Lower St. John's.                   |      |
| <i>um,</i>                       |   |        |     | { <i>Erysimum amphibi-</i>          |      |
| † <i>Echites difformis</i> ,     | Walt                                      | April  |     | <i>bium,</i>                        |      |
| rare, rich soils, climb-         |   |        |     | { <i>Lisymbrium,</i>                |      |
| ing.                             |   |        |     | <i>Euchroma coccinea,</i>           |      |
| <i>Eclipta</i> { <i>erecta</i> , | L & T & G                                 |        |     | damp pine land near                 |      |
| { <i>procumbens</i> ,            | Ell Sk                                    | June   |     | Horse-head, St. Ste-                |      |
| <i>Elephantopus caroli-</i>      | W   | Aug    |     | phens.                              |      |
| <i>nianus</i> ,                  |   |        |     | <i>Enonymus americana,</i>          |      |
| rich swamp lands.                |   |        |     | rich damp soils, along              |      |
| { <i>tomentosus</i> ,            | T & G                                     | Aug    |     | streams.                            |      |
| { <i>nudicaulis</i> ,            | Ell Sk                                    | Aug    |     | <i>Eupatorium hyssopi-</i>          |      |
| pine land.                       |   |        |     | <i>folium, damp soils.</i>          |      |
| <i>Eleusine indica</i> ,         | Mx  | July   |     | { <i>linearifolium,</i>             |      |
| rich cultivated spots.           |   |        |     | <i>cult. spots.</i>                 |      |
| { <i>cruciata</i> ,              | Ell Sk                                    | July   |     | <i>album,</i>                       |      |
| { <i>mucronata</i> ,             | Ell Sk                                    |        |     | <i>glaucescens,</i>                 |      |
| { <i>filiformis</i> ,            | Muhl Ct                                   |        |     | { <i>verbenaefolium,</i>            | Sept |
| <i>Elodia virginica</i> ,        | Nutt                                      |        |     | { <i>teucriifolium,</i>             |      |
| <i>petiolata</i> ,               | Wr  |        |     | <i>rotundifolium,</i> L             | Aug  |
| <i>Elymus virginicus</i> ,       | L   | July   |     | { <i>ceanothifolium,</i>            | Sept |
| <i>Elytraria virgata</i> ,       | Mx  | June   |     | rich shaded soils.                  |      |
| swamps generally in-             |   |        |     | { <i>purpureum,</i>                 |      |
| undated.                         |   |        |     | rich shaded spots.                  |      |
| <i>Ereanthus alopecu-</i>        | Ell                                       |        |     | { <i>persoliatum,</i>               |      |
| <i>roides,</i>                   |   |        |     | damp places.                        |      |
| { <i>contortus</i> ,             | Bald                                      | Oct    |     | { <i>coelestinum,</i>               |      |
| <i>strictus</i> ,                | Bald                                      | Aug    |     | (see <i>Conoclinum.</i> )           |      |
| <i>Erigeron bellidifolium</i> ,  | W   | July   |     | <i>aromaticum,</i>                  |      |
| dry soils.                       |   |        |     | rich soils.                         |      |
| † { <i>quercisolum</i> ,         | T & G                                     | May    |     | <i>foeniculaceum,</i>               |      |
| { <i>philadelphicum</i> ,        | Ell Sk                                    |        |     | cultivated soils.                   |      |
| sandy soils                      |   |        |     | <i>coronopisolum,</i>               |      |
| † <i>strigosum</i> ,             | L   | July   |     | road sides, along fen-              |      |
| <i>canadense</i> ,               | L   | July   |     | ces.                                |      |
| dry cultivated soils.            |   |        |     | { <i>pinnatifidum,</i>              | Sept |
| † <i>pusillum</i> ,              | Nutt                                      |        |     | cultivated spots.                   |      |
| dry soils.                       |   |        |     | { <i>parviflorum,</i>               | Sept |
| { <i>vernun</i> ,                | T & G                                     |        |     | <i>ageratoides,</i>                 |      |
| { <i>nudicaule</i> ,             | Ell Sk                                    | June   |     | pine lands.                         |      |
| low grounds.                     |   |        |     | <i>incarnatum,</i>                  | Nov  |
| <i>Eriogaliss tuberculosa</i>    |   |        |     | rich soils.                         |      |
| { <i>capitata</i> ,              |   |        |     | Wr                                  | Nov  |

|  |        |       |   |         |      |
|--|--------|-------|---|---------|------|
| <i>maculatum,</i><br>wet soils roots often<br>immersed.                    | L      | July  | <i>glauca,</i><br><i>guercifolia,</i><br><i>pedicularia,</i><br>pine barrens.         | Eat M   | July |
| <i>truncatum,</i><br>† <i>Euphorbia corollata,</i><br>pine barrens.        | W      | July  | <i>purpurea,</i><br>damp pine land.   | Ell Sk  | Sept |
| † <i>maculata,</i><br><i>depressa,</i><br>cult. soils.                     | W      | Sept  | <i>tenuisolia,</i><br>dry soils.  | L       | Aug  |
| <i>gracilis,</i><br><i>hypericifolia,</i><br><i>putentissima,</i>          | Ell    | July  | <i>setacea,</i><br>damp soils margin of<br>swamps.                                    | Pursh   | Sept |
| † <i>Fagus sylvatica, va.</i><br><i>americana,</i><br>rich swamps.         | Fid    | Sept  | <i>aphylla,</i><br><i>fasciculata,</i>  | Nutt    | July |
| <i>Fedia radiata,</i><br>rich cultivated soils.                            | Mx     | April | rich soils, roots often<br>immersed.  | Ell     | Sept |
| <i>Festuca myurus,</i><br>dry soils.                                       | L!     | June  | <i>linifolia,</i><br><i>Geum virginianum,</i>   | Nutt    | July |
| <i>tenella,</i><br><i>Fimbristylis spadicea,</i><br>{} <i>Baldwiniana,</i> | Torrey |       | <i>Gleditschia triacanthos,</i> old pastures.   | L       | May  |
| { <i>Scirpus sulcatus,</i>   | Ell Sk |       | <i>Glycine</i> (see <i>Rhynchosia,)</i>   | Fid     |      |
| <i>Fothergilla alnifolia,</i><br>pine land near Pino-<br>polis,            | W      | April | § <i>Glyceria fluitans,</i><br><i>Gnaphalium</i> (see <i>An-</i><br><i>tennaria.)</i> | Gry     |      |
| <i>Fraininus acuminata,</i><br>rich swamps, Fer-<br>guson's.               | L R    | May   | <i>purpureum,</i><br>yards and pastures.  | L       | May  |
| epiptera,*<br>river swamp, Santee.   |        |       | † <i>polycephalum,</i><br>dry pastures.   | Mx      | July |
| <i>Fragaria virginiana,</i><br><i>vesca, Ex.</i>                           |        | May   | <i>Gonolobus</i> { <i>hirsutus,</i><br><i>caroliniana-</i>                            | Mx      |      |
| § <i>Fissularia discolor,</i>  | Mx     | July  | <i>ensis,</i><br>rich soils.  | Ell Sk  | July |
| <i>Fuirena squarrosa,</i><br>wet spots.                                    |        |       | <i>macrophyllus,</i>  | Mx      |      |
| <i>Galactia glabella,</i><br>shaded soils.                                 | Mx     | June  | <i>Gordonia lasianthus,</i><br>crawl branch, near                                     |         |      |
| <i>mollis,</i><br><i>pilosa,</i><br>dry soils.                             | Mx     | July  | Pineville.  |         |      |
| <i>sessiflora,</i>   | Nutt   | July  | † <i>Gossypium herbace-</i>   |         |      |
| <i>Galium trifidum,</i><br>damp soils.                                     | L      | July  | um, (Ex.) va. A & B.  |         |      |
| <i>pilosum,</i><br>dry shady soils.  | Ait    | June  | <i>Gratiola acuminata,</i>  | Walt    |      |
| <i>uniflorum,</i><br>Ward swamp.   | Mx     | May   | <i>quadridentata,</i><br>along ditches.   | Mx      |      |
| <i>Gaura angustifolia,</i><br>dry pine barrens.                            | Mx     | July  | <i>pilosa,</i><br><i>sphaerocarpa?</i>  | Mx      |      |
| † <i>Gelsemium semper-</i><br><i>virens,</i>                               | Juss   | April | § <i>Gymnopogon race-</i>   | Fid     |      |
| † <i>Gentiana ochroleuca,</i><br>rich soils, along<br>ditches.             |        | Oct   | <i>mosa,</i>  | Gry     |      |
| † <i>catesbaei,</i>  | Walt   |       | <i>Gymnosyles</i> (see <i>So-</i>   |         |      |
| † <i>Geranium maculatum</i><br><i>carolinianum,</i><br>dry soils.          | L      | June  | <i>liva.)</i>   |         |      |
| <i>Gerardia flava,</i><br>rich shady soils.                                | L      | July  | Habenaria (Orchis of  |         |      |
|  |        |       | Ell. Sk. in part.)  |         |      |
|  |        |       | <i>ciliaris,</i><br>damp soils.   |         |      |
|  |        |       | blephariglottis,  | W       | Aug  |
|  |        |       | damp pine land.   | Mx      |      |
|  |        |       | <i>cristata,</i><br>margin of swamps.   |         |      |
|  |        |       | <i>elliottii,</i>   | Darby   |      |
|  |        |       | § <i>psycodes,</i>  |         |      |
|  |        |       | { <i>O. lacera,</i>   | Ell Sk  |      |
|  |        |       | <i>quingeseta,</i>  | M T & G |      |
|  |        |       | <i>repens,</i>  | Nutt    | Aug  |

|   |         |       |   |             |       |
|---|---------|-------|---|-------------|-------|
| Halesia tetrapeta,<br>very ornamental—<br>Upper St. John's,<br>Santee river, garden<br>at Woodlawn plan-<br>tation. | W       | April | Helenium autumnale, L<br>Heterotheca, Chrysop-<br>sis in part.<br>scabra, near<br>Charleston, H. W.R. | L           | Aug   |
| † Hamamelis virginica, L<br>rich land margin of<br>swamps.  | L       | Sept  | † Hibiscus moscheutos,<br>margin of rivulets—<br>inundated land, roots<br>immersed.                   | L           | Aug   |
| { Hedyotis coerulea, T & G<br>ditches.  | T & G   | April | virginicus,<br>rice field, banks Coo-<br>per river, roots often<br>immersed.                          | L           | Aug   |
| { Houstonia Ell. Sk.<br>{ va. minor,<br>{ Houstonia patens, Ell Sk<br>yards, wet pastures.                          | Mx      | March | esculentus Ex.<br>Hieracium { gronovii,<br>mariannum,   | L<br>Ell Sk | July  |
| { purpurea,<br>rotundifolia,  | Mx      | April | dry pine barrens.   |             |       |
| Hedysarum (see Des-<br>modium.)   |         |       | † Hopea tinctoria,<br>rich oak and hickory<br>land, Ward swamp.                                       | L           | April |
| Helianthemum caroli-<br>nianum.   | W & ESk | Aug   | Hordeum pratense,<br>vulgare, Ex.   |             |       |
| canadense,  |         |       | Houstonia, (see Hed-<br>zotis,  |             |       |
| Helianthus atroreub-<br>ens,  | W       | Aug   | † Humulus lupulus, L<br>Hydrangea nivea,<br>St. John's, Elliott.                                      | L<br>Mx     |       |
| rich cultivated soils.  |         |       | † Hydrocotyle umbella-<br>ta, wet soils general-<br>ly immersed.                                      | L           | May   |
| trachelifolius,   | W       | Aug   | interrupta,<br>border of ditches and<br>inundated land.   | W           | June  |
| aristatus,  |         |       | repanda,<br>pine land ponds.  | Pers        | July  |
| sparsifolius,   |         |       | Hydropeltis, Brasse-<br>nia of Ell. Sk.   |             |       |
| strumosus va. an-<br>gustifolius,   | L       | Sept  | purpurea, immers-<br>ed in stagnant water.  | Mx          | July  |
| angustifolius!  | T & G   |       | Hydrolea quadrival-<br>vis, border of rivu-<br>lets and ditches.                                      | Wr          | June  |
| { strumosus v. mollis,<br>{ mollis,   | W & ESk |       | corymbosa,  | Macb        | Aug   |
| gigantens?  |         |       | very rare, St. Ste-<br>phen's, Horsehead<br>immersed.   |             |       |
| scaberrimus,  |         |       | Hypericum prolificum W  |             | June  |
| hispidulus?   |         |       | maculatum, T&G W  |             | July  |
| anus, Ex.   |         |       | { mutile, L&T&G   |             |       |
| tuberous, Ex. Nat.  |         |       | { parviflorum, MxEISk   |             |       |
| Heliopsis laevis,   | Pers    | July  | wet pine land swamps.   |             |       |
| Helenium quadriden-<br>tatum,   |         |       | angulosum,  | L           | Aug   |
| Heliotropium indicum M  | July    |       | wet pine land barrens.  |             |       |
| seen by Mx. at the<br>Eutaw spring.   |         |       | See T. { cystifolium, Lam   |             |       |
| † Helonias erythrosper- Mx  | May     |       | & G. { opacum,  |             |       |
| ma.   |         |       | p. 673, { rosmarinefo-<br>lium.   |             |       |
| rich oak land, margin<br>of swamps, Bruns-<br>wick Pl.  |         |       | † { sarothona, Mx   |             |       |
| † dioica,<br>angustifolia,  | Pursh   | July  | { Sarothra gentia-<br>noides, dry pastures.   |             |       |
| Hemerocaulis fulva,<br>Ex.  | Mx      |       |   |             |       |
| † Hepatica triloba,<br>Eutaw battle ground.   |         | April |   |             |       |
| Herpestes amplexi-<br>caulis, roots submer-<br>sed ponds.   | Pursh   | July  |   |             |       |
| micrantha,  | Ell Sk  |       |   |             |       |
| Heuchera americana,<br>Lower St. John's.  |         |       |   |             |       |

|   |                     |             |  |                 |       |
|---|---------------------|-------------|--|-----------------|-------|
| nudiflorum,<br>margin of swamps<br>and inundated land.  | Mx                  | Aug         | busonius,<br>tenuis,<br>marshes.                                       | W               | June  |
| { pilosum,<br>{ simplex,  | W. T & G<br>M & E S |             | { bulbosus,<br>{ dichotomus,<br>campestris,*                           | Eat M<br>Ell Sk |       |
| wet pine barrens.<br>fasciculatum,<br>galioides?  | Mx<br>Lk            | July        | setaceus,<br>aristatus,<br>acuminatus,<br>effusus,                     | Ell Sk          |       |
| Hyptis radiata,<br>wet pastures.  | L                   | Aug         | often immersed.  | Walt            |       |
| Hypoxis erecta,<br>rich swamps.   | L                   | Ap          | echinatus,<br>polycephalus,  | Muhl            |       |
| † Ilex opaca,<br>rich wooded lands.<br>cassina,<br>pine land ponds, roots<br>often immersed.          | Ait                 | May         | repens,  |                 |       |
| myrtifolia,<br>prinoides,<br>damp pine barrens.   | Walt<br>A           | June<br>Mar | Justicia humilis,<br>wet inundated lands.                              | Mx              | June  |
| Impatiens { pallida,<br>{ noli tan-<br>gere,<br>wet soils.  | Nutt<br>Ell Sk      | Aug         | { ensiformis,*<br>{ pedunculosa, Vahl.                                 | Ell Sk<br>Eat M |       |
| { fulva,<br>{ biflora,  | N. T & G<br>Ell Sk  | July        | Juniperus virginiana.  | Wm              | April |
| † Indigofera caroliniana,<br>damp pine land.  | Walt                | Aug         | { Jussiaea decurrens  <br>{ Ludwigia,<br>moist situations.             | T & G           | Aug   |
| { Isolepis capillaria,<br>{ Scirpus,  | T & G<br>Ell Sk     |             | † Kalmia latifolia,<br>in gardens.                                     |                 | April |
| Isnardia, (see Ludwicia.)   |                     |             | Koeleria § truncata,<br>§ spensylvanica,                               | F Gray          |       |
| † Ipomea nil,<br>dry cultivated soils.<br>coccinea,<br>cultivated land, corn<br>fields.               | Mx                  | July        | Kregia, { caroliniana,<br>va. lessto-                                  | F Gray          |       |
| trichocarpa,<br>lacunosa,   | Walt                | Sept        | { phylla,<br>dandelion.*   | Nutt.           | April |
| † Iris versicolor,<br>a white variety seen<br>near Big Camp, San-<br>tee canal, often sub-<br>mersed. | Mx<br>L             | July<br>May | Kuhnia { eupatoroides<br>va. gracilis                                  | Ell Sk          |       |
| tripetala,*<br>habitat. confined to<br>St. John's.  | Walt                |             | { eritonia,<br>oak lands.  |                 |       |
| verna,<br>Itea virginica,<br>edge of rivulets.  | W<br>L              | May         | Killingia pumila,<br>near ponds.                                       | Mx              | June  |
| Iatrophea stimulosa,<br>dry pine barrens.   | Mx                  | June        | maculata.  | Mx              | July  |
| Juglans nigra,<br>old pastures.   | L                   | May         | † Lactuca elongata,<br>rich soils, along<br>ditches.                   | Muhl            | June  |
| Juncus biflorus,  | Ell                 |             | graminifolia,<br>sativa, Ex.   | Mx              | July  |
|   |                     |             | Lamium amplexicaule,<br>rich cultivated soils.                         |                 |       |
|   |                     |             | Lathyrus pusillus,<br>Cooper river, Elliott.                           | Ell             | May   |
|   |                     |             | sativus, Ex.   |                 |       |
|   |                     |             | Laurus caroliniensis,<br>pine land bays, roots<br>frequently immersed. | Mx              | June  |
|   |                     |             | benzoin,<br>old fields. very<br>aromatic.                              | L               | March |
|   |                     |             | geniculata,<br>ponds, roots often                                      | Walt            | April |

Dr. Cartwright, of Natchez, remarks that the *Jussiaea grandiflora* neutralizes the influence of malaria in the lower portion of Louisiana—a section which is exempt from its effects, and where there is, apparently, every element for its abundant production. He is quoted in the notes appended by the American editor to Watson's Practice of Physic. The Faculty may notice that this plant is abundant around Charleston, for the space of ten miles, in situations where it is well known that fevers of malarious origin are continually prevailing.

|                                   |   |                   |              |   |                |       |  |
|-----------------------------------|---|-------------------|--------------|---|----------------|-------|--|
|                                   | immersed.                                       |                   |              |   |                |       |  |
| † Leechia                         | { sassafras,<br>major,<br>villosa,<br>pastures, | L<br>Mx<br>Ell Sk | April<br>Aug | { Limnetis glabra,<br>Spartina,<br>Lindernia attenuata,<br>ditches. | Ell Sk<br>Muhl |       |  |
|                                   | minor,<br>Leersia virginica,<br>damp spots.     | Wr<br>W           | July         | Linum virginianum,<br>pine land.                                    | L              | Aug   |  |
|                                   | oryzoides,<br>inundated lands.                  | Swartz            | Aug          | —?<br>usitatissimum, Ex.  |                |       |  |
|                                   | § hexandra?                                     | F Gray            |              | † Liquidambar styraci-<br>flua, rich damp                           | L              | May   |  |
| † Leontodon,                      | (see Taraxacum.)                                |                   |              | soils.  |                |       |  |
| Lepidium virginicum,              | cultivated soils.                               | L                 | June         | † Liriodendron tulipe-<br>fera, swamps.                             | L              | May   |  |
| § Leptochloa filiformis,          | F Gray  |                   |              | † Lobelia cardinalis,   | L              | July  |  |
| Leptopoda { fimbriata             | Eat Man   |                   |              | inundated swamps,<br>roots often immersed.                          |                |       |  |
| pubescens,                        | Ell Sk  |                   |              | kalmii.   | L              | Aug   |  |
| § brachypoda,                     | F Gray  |                   |              | puberula, wet   | Mx             | July  |  |
| § helenium,                       | Nutt  |                   |              | soils.  |                |       |  |
| § decurrens,                      | McB   |                   |              | amoena, roots   | Mx             | Aug   |  |
| dry rich soils.                   |   |                   |              | often immersed.   |                |       |  |
| Lepuropetalon spath-<br>ulatum.   |   |                   | April        | glandulosa,   | Walt           |       |  |
| Lespedeza { stuvei,               | T & G   |                   |              | flat pine land.   |                |       |  |
| va. 1                             |   |                   |              | § Nuttallii!  | Fid Gry        |       |  |
| { violacea,                       | Ell Sk  |                   |              | † Lonicera, (see Capri-<br>folium.)                                 |                |       |  |
| procumbens,                       | Mx  |                   | July         | Ludwigia, (see Jus-<br>siaeae.)                                     |                |       |  |
| road sides.                       |   |                   |              | † alternifolia,   | L              | July  |  |
| { violacea va. sessi-<br>liflora, | T & G   |                   |              | swamps.   |                |       |  |
| sessiliflora,                     | Ell Sk  |                   |              | virgata,  | T & G          | July  |  |
| hirta, dry soils, Ell             | T & G   |                   |              | § hirtella,   | Ell Sk         |       |  |
| { capitata va. 3,                 | T & G   |                   |              | § pilosa, roots   |                |       |  |
| angustifolia,                     | Ell Sk  |                   |              | often immersed in   |                |       |  |
| Leatris, (see Carpe-<br>phorus,   |   |                   |              | pine land ponds.  |                |       |  |
| squarrosa,                        | W   |                   | Sept         | § pilosa,   | WT&G           |       |  |
| damp pine land.                   |   |                   |              | mollis, damp,   | Ell Sk         | July  |  |
| scariosa,                         | W   |                   | Sept         | clayey soils, ditches.  |                |       |  |
| cylindracea?                      |   |                   |              | capitata, roots   | Mx             | Aug   |  |
| elegans,                          | Walt  |                   | Sept         | often immersed in   |                |       |  |
| rich oak land.                    |   |                   |              | pine land ponds.  |                |       |  |
| peniculata,                       | Walt  |                   | Aug          | livearis,   | Walt           |       |  |
| odoratissima,                     | Walt  |                   | Aug          | natans,   | Ell            | July  |  |
| in Wassamasa.                     |   |                   |              | immersed, Simpson's   |                |       |  |
| spicata, pine                     | W   |                   | Aug          | Basin.  |                |       |  |
| barrens.                          |   |                   |              | cylindrica { Isnar-   |                |       |  |
| graminitifolia,                   | Wr  |                   | July         | sphaerocarpa { dia of   |                |       |  |
| pine barrens.                     |   |                   |              | palustris, { Eaton  |                |       |  |
| Ligusticum, (see                  |   |                   |              | and others,   |                |       |  |
| Thaspium,)                        |   |                   |              | microcarpa, old field   | Fid Gry        |       |  |
| Lilium catesbaei, flat            | Walt  |                   | July         | just below Monk's   |                |       |  |
| pine lands.                       |   |                   |              | Corner.   |                |       |  |
| carolinianum,                     | Mx  |                   | July         | Lupinus perennis,   | L              | April |  |
| flat pine lands.                  |   |                   |              | dry oak lands.  |                |       |  |
| superbum,                         | Walt  |                   |              | villosum,   | L              |       |  |
| (cult.)                           |   |                   |              | Lycopus { europeus,   | Eat M          | July  |  |
|                                   |   |                   |              | angustifo-  | Ell            |       |  |
|                                   |   |                   |              | lius,   |                |       |  |
|                                   |   |                   |              | damp cultivat. soils.   |                |       |  |

† Elliott has this as a synonyme of Mx. under *L. alternifolia*

|   |                 |      |   |         |       |
|---|-----------------|------|---|---------|-------|
| <i>virginicus</i> ,<br><i>Lyonia</i> \$ <i>paniculata</i> ,                   | L<br>Fd GDC     |      | <i>Micranthemum orbiculatum</i> , shallow water immersed.                       | Mx      | Aug   |
| <i>Lysimachia ciliata</i> ,<br>rich swamps.                                   | Ell Sk          |      | <i>Mikania pubescens</i> , rich soils, along fences.                            | Muhl.   | July  |
| <i>quadriflora</i> ,<br>rice fields.  | Sims            | July | <i>Mimulus alatus</i> , pine land.  | L       | July  |
| <i>quadrifolia</i> ,  | L               | June | † <i>Mitchella repens</i> , rich shaded soils.                                  | L       | May   |
| pine land—near Pi-<br>nopolis.  |                 |      | { <i>Modiola multifida</i>  | T & G!  |       |
| <i>Lythrum virgatum</i> ,<br><i>lanciolatum</i> ,<br>rich swamp land.         | W<br>Ell Sk     | July | { <i>Malva in</i> { <i>M. caro-</i>   | Ell Sk  | M     |
| <i>MacBridea pulchra</i> ,<br>near Dr. Barker's<br>place, Lr. St. John's.     | Ell             | July | { <i>p. Ell Sk.</i> { <i>liniana</i> ,<br>around buildings.                     |         |       |
| { <i>Mitreola petiolata</i> ,   | T & G           | Aug  | <i>Mollugo verticillata</i> ,   | Walt    | July  |
| { <i>Ophiorhiza lanceo-</i><br><i>lata</i> ,                                  | Ell Sk          |      | † <i>Monarda punctata</i> ,<br>rich high lands.                                 | L       | July  |
| { <i>sessilifolia</i> ,<br>{ <i>O. mitreola</i> ,<br>wet soils, meadows.      | T & G<br>Ell Sk | Aug  | <i>Monocera aromatica</i> ,   | Ell     | Jun   |
| † <i>Magnolia glauca</i> ,<br>pine land gallis, roots<br>frequently immersed. | L               | June | <i>Montropa uniflora</i> ,<br>growing from roots in<br>pine land roads.         | L       | Aug   |
| † <i>grandiflora</i> ,<br>rare rich oak woods.                                | L               | July | † <i>Morus alba</i> , Ex. Nat.  | L       | May   |
| <i>Malva</i> , (see <i>Modiola</i> .)   |                 |      | † <i>rubra</i> ,  | L       |       |
| <i>Malanis ophioglas-</i><br>soides.  | Muhl            |      | † <i>Myrica cerifera</i> ,<br>edge of swamps.                                   | L       | April |
| <i>Manisurus granularis</i> ,<br>pastures.                                    | L               | Sept | <i>carolinensis</i> ,<br>cultivated soils.                                      | W       | April |
| † <i>Maranta arundinacea</i> ,<br>cultivated.                                 | Wild            |      | <i>Myriophyllum hetero-</i><br><i>phyllum</i> , immersed<br>in pine land ponds. | Mx      | Aug   |
| <i>Mariscus retrofractus</i> ,<br>cult. land.                                 | Ell             | July | <i>scabratum</i> ,  | Mx      |       |
| <i>echinatus</i> ,<br>cult. land,   | Ell             | July | <i>Muhlenbergia diffusa</i> ,   | Ell     | June  |
| <i>cylindricus</i> ,  | Ell             | July | damp soils.   |         |       |
| <i>Marshallia angustifo-</i><br>lia, damp flat pine<br>land, near Pinopolis.  | Mx              | Aug  | { <i>Mulgedium acumi-</i><br><i>natum</i> ,                                     | DC      | July  |
| † { <i>Marata cotula</i> ,<br>{ <i>Anthemis</i> ,                             | T & G<br>Ell Sk | June | { <i>Sonchus</i> ,  | Ell Sk  |       |
| border of roads.  |                 |      | <i>Narcissus jonquilla</i> ,  |         |       |
| † <i>Marrubium vulgare</i> ,  | L               | May  | Ex.   |         |       |
| Nat.  |                 |      | { <i>Negundo aceroides</i> ,  | T & G   | April |
| <i>Medicago lupulina</i> ,<br>border of roads.                                | L               | May  | { <i>Acer negundo</i> ,   | Ell Sk  |       |
| <i>Melanthera pastata</i> ,<br>edge of ditches.                               | M               | Aug  | on Causeway, at   |         |       |
| † <i>Melia azedarack</i> ,  | L               | May  | <i>Ophir plantation</i> .   |         |       |
| <i>Melica</i> { <i>glabra</i> ,<br>{ <i>speciosa</i> ,                        | Mx<br>Eat M     | June | { <i>Nelumbium luteum</i> ,   |         |       |
| <i>Melilotus</i> { <i>vulgaris</i> ,<br>{ <i>officinalis</i> ,                | Eat M<br>Ell Sk | June | { <i>Cyamus lutens</i> ,  | Ell Sk  |       |
| † <i>Melothria pendula</i> ,<br>rich shaded soils.                            | L               | Aug  | immersed in deep<br>ponds.  |         |       |
| <i>Menispermum cana-</i><br>dense.  | Fid Gry         | July | <i>Neotlia tortilis</i> ,<br>wet soils, pine lands.                             | L       | July  |
| † <i>Mentha</i> { <i>tenuis</i> ,<br>{ <i>veridis</i> .                       | Mx<br>Walt      | June | <i>cernua</i> ,<br>wet places.  | L       | Sept  |
|   |                 |      | § <i>gracilis</i> ,<br>damp soils.  | Fid Gry |       |
|   |                 |      | † <i>Nepeta cataria</i> ,<br>near buildings.                                    | L       |       |
|   |                 |      | <i>Nuphar advena</i> ,<br>on Santee canal, near                                 | Ph      | Aug   |
|   |                 |      | <i>Mexico Pl.</i> immersed  |         |       |
|   |                 |      | † <i>Nymphaea odorata</i> ,<br>deep ponds, immer-                               | Pursh   | May   |
|   |                 |      | sed.  |         |       |

|  |        |       |                              |         |
|--|--------|-------|------------------------------|---------|
| <i>Nyssa multiflora,</i>                 | Walt   | April | walteri,                     | Ell Sk  |
| damp soils.                              |        |       | histellum,                   | M& ESk  |
| <i>uniflora,</i>                         | Walt   | April | gibbum,                      | Ell Sk  |
| ponds, base immersed,                    |        |       | wet soils,                   |         |
| ed, an aquatic tree.                     | L      | May   | geniculatum,                 | MhElSk  |
| <i>aquatica,</i>                         |        |       | rice fields.                 |         |
| in ponds, roots generally covered by wa- |        |       | anceps, ditch's              | MxElSk  |
| ter.                                     |        |       | hians,                       | Ell Sk  |
| <i>Nabalus, (Prenanthes</i>              |        | Sept  | latifolium,                  | Ell Sk  |
| of Ell. Sk. in part.)                    |        |       | pauciflorum,                 | Ell Sk  |
| { <i>fraseri,</i>                        |        |       | scabriusculum,               | Ell Sk  |
| { <i>P. alba,</i>                        | Ell Sk |       | debile,                      | Ell Sk  |
| { <i>virgatus,</i>                       |        |       | . capillare,                 |         |
| { <i>P. virgata,</i>                     | Ell Sk |       | macrocarpon,                 | Lc      |
| pine land.                               |        |       | virgatum,                    |         |
| { <i>Nasturtium tanace-</i>              |        | June  | agrostoides,                 |         |
| { <i>tifolium,</i>                       |        |       | nervosum,                    | ElSkMx  |
| { <i>Sisymbrium walteri</i>              | Ell Sk | June  | viscidum,                    | Ell Sk  |
| † <i>Oenothera biennis,</i>              | Mx     | June  | villosum,                    | Ell Sk  |
| pastures.                                |        |       | barbulatum,                  | MxElSk  |
| sinuata,                                 | L      | July  | rice fields.                 |         |
| dry pastures.                            |        |       | nitidum,                     |         |
| linearis,                                | Ell Sk | July  | angustifolium,               | Ell Sk  |
| dry situations.                          |        |       | See T & Gray's Bot.          |         |
| fruticosa,                               | W      |       | Vol. 1, p. 670.              |         |
| grandiflora? Ph                          |        |       | <i>Paspalum ciliatifo-</i>   | Mx      |
| <i>Olea americana,</i>                   | Walt   | April | lium, cult. grounds.         |         |
| rare in Fergusson &                      |        |       | floridanum,                  | Mx      |
| Warwick swamps,                          |        |       | praecox,                     | Walt    |
| very ornamental.                         |        |       | ditches.                     |         |
| <i>Onosmodium hispi-</i>                 | Mx     | June  | purpurascens,                | Ell Sk  |
| dum,                                     |        |       | damp situations.             |         |
| dry pine barrens.                        |        |       | distichum,                   | L       |
| <i>Ophiorhiza, (see Mit-</i>             |        |       | wet soils, rice fields.      |         |
| <i>reola.)</i>                           |        |       | <i>Passiflora incarnata,</i> | W       |
| { <i>Opuntia vulgaris,</i>               | T & G  | May   | dry sandy fields.            | May     |
| { <i>Cactus opuntia,</i>                 | Ell Sk |       | lutea,                       |         |
| dry pastures.                            |        |       | cultivated soils, not        |         |
| <i>Orchis, (see Habena-</i>              |        |       | common, corn fields.         |         |
| <i>ria.)</i>                             |        |       | <i>Pedicularia canaden-</i>  | L       |
| † <i>flava,</i>                          | L      | July  | <i>sis, swamp, near So-</i>  | June    |
| <i>nivea,</i>                            | Nutt   | July  | <i>erset Pl.</i>             |         |
| rare, pine land, below                   |        |       | { <i>Pennisetum glau-</i>    | Eat Man |
| Whiteville.                              |        |       | cum,                         |         |
| † <i>Orobauche americana</i>             | T&ElSk | April | { <i>Panicum,</i>            | Ell Sk  |
| rich oak land.                           |        |       | va. 1.                       |         |
| † <i>Orontium aquaticum,</i>             | Mx     | April | <i>Penthorum sedoides,</i>   | L       |
| immersed in running                      |        |       | swamps and inunda-           | Aug     |
| streams.                                 |        |       | ted land, often im-          |         |
| <i>Oryza sativa, Ex. Nat.</i>            |        |       | mersed.                      |         |
| <i>Ostrya virginica,</i>                 | A      | May   | <i>Penstemon laeviga-</i>    | L       |
| † <i>Oxalis violacea,</i>                | L      | May   | tum, damp soils pine         | June    |
| border of roads, cul-                    |        |       | land bays, rare.             |         |
| tivated spots.                           |        |       | pubescens,                   | L       |
| <i>stricta,</i>                          | L      | May   | rare, near Pinopolis,        | July    |
| <i>corniculata,</i>                      | L      |       | an upper country spe-        |         |
| <i>lyoni,</i>                            |        |       | cies.                        |         |
| <i>Pancratium mexica-</i>                |        |       | <i>Petalostemon corym-</i>   | Mx      |
| <i>num, Cooper river.</i>                |        | June  | bosum,                       | Aug     |
| <i>Panicum crusgalli,</i>                | M&ESk  |       | pine barrens.                |         |

|   |                     |        |      |  |           |       |
|---|---------------------|--------|------|--|-----------|-------|
| <i>Phaseolus perennis</i> ?             |                     |        |      | <i>lanceolata,</i>                                     | Pursh     | April |
| Lower St. John's.                       |                     |        |      | <i>low wet soils.</i>                                  |           |       |
| { helvolus,                             | T & G               |        |      | <i>virginica,</i>                                      | Mx        | April |
| { strophostyles pe-                     | Ell Sk              |        |      | <i>dry pastures.</i>                                   |           |       |
| duncularis,                             |                     |        |      | <i>interrupta,</i>                                     | Lk        | April |
| <i>Phalaris americana,</i>              | Ell                 | July   |      | wet pine barrens, and                                  |           |       |
| river swamp.                            |                     |        |      | on the plantations in                                  |           |       |
| <i>Philadelphus grandiflora,</i>        |                     |        |      | Savannahs.   |           |       |
| planted as an ornamental shrub.         |                     |        |      | <i>pusilla</i> ?                                       | Nutt      | April |
| <i>Phleum pratense,</i>                 | L                   | June   |      | <i>Sarrazin Pl. cultivated spot.</i>                   |           |       |
| cult.                                   |                     |        |      | <i>Platanus occidentalis,</i>                          | L         | May   |
| <i>Phlox maculata,</i>                  | L                   | May    |      | damp soils, rich en-                                   |           |       |
| rich soils.                             |                     |        |      | closures.  |           |       |
| <i>aristata,</i>                        | Mx                  | June   |      | { <i>Plucheia bifrons,</i>                             | T & G     |       |
| <i>setacea</i> !                        | L                   | May    |      | { <i>Conyzza</i> , damp pine                           | Ell Sk    |       |
| Upper St. John's.                       | Ph                  | June   |      | land meadows.  |           |       |
| <i>nitida,</i>                          |                     |        |      | <i>camphorata,</i>                                     |           | July  |
| rich soils.                             |                     |        |      | pine land damp spots.                                  |           |       |
| <i>paniculata</i> ?                     |                     |        |      | <i>Poa annua,</i>                                      | L         | April |
| one of Elliott's upper country species. |                     |        |      | <i>quinquefida,</i>                                    | Ell Sk Ph |       |
| <i>pilosa,</i>                          | Mx                  | June   |      | <i>capillaris,</i>                                     |           |       |
| cultivated spots.                       |                     |        |      | <i>reptans,</i>  |           |       |
| <i>Phryma leptostachya,</i>             | Mx                  | Aug    |      | <i>ambigua,</i>  |           |       |
| rich shaded soils, Somerset swamp.      |                     |        |      | { <i>pungens,</i>                                      |           |       |
| <i>Phyllan-</i>                         | { obovatus,         | Eat M  | Sept | { <i>autumnalis,</i>                                   | Ell Sk    |       |
| <i>thus,</i>                            | { carolinien-       | Ell Sk |      | <i>snervata,</i>                                       |           |       |
| <i>sis,</i>                             |                     |        |      | <i>viridis,</i>  |           |       |
| <i>Physalis,</i>                        | { <i>viscosa,</i>   | L      | May  | <i>scompressa,</i>                                     |           |       |
|   | { <i>obscura,</i>   | Mx     |      | <i>hirsuta,</i>  | Mx        | July  |
|   | { <i>pubescens,</i> | W      |      | <i>pectinacea,</i>                                     | Mx        | July  |
| cultivated ground.                      |                     |        |      | <i>eragrostis,</i>                                     | L         | July  |
| <i>angulata</i> ?                       |                     |        |      | <i>conferta,</i>                                       | Ell       |       |
| † <i>Phytolacca decandra,</i>           | L                   | July   |      | <i>refracta,</i>                                       | Mh El Sk  |       |
| around buildings.                       |                     |        |      | <i>damp pine barrens.</i>                              |           |       |
| <i>Pinguicula elatior,</i>              | Mx                  | May    |      | † <i>Podophyllum pellatum,</i>                         | L         | May   |
| damp flat pine lands,                   |                     |        |      | rich shaded lands,                                     |           |       |
| Horsehead, St. Stephen's.               |                     |        |      | abundant in Ferguson's swamp.                          |           |       |
| <i>lutea,</i>                           | Walt                | May    |      | <i>Pogonia ophroglossoides,</i>                        | Nutt      | July  |
| flat pine lands.                        |                     |        |      | <i>divaricata,</i>                                     | Nutt      | June  |
| † <i>Pinus palustris,</i>               | L                   | May    |      | around ponds in pine land.                             |           |       |
| dry sandy soils.                        |                     |        |      | <i>Polygala incarnata,</i>                             | L         | July  |
| † <i>taeda,</i>                         | L                   | May    |      | <i>verticillata,</i>                                   |           |       |
| damp, moderately                        |                     |        |      | <i>rare.</i>   |           |       |
| fertile soils.                          |                     |        |      | † <i>polygama,</i>                                     | Wr        | July  |
| <i>inops,</i>                           | Mx                  | May    |      | <i>lutea,</i>  | L         |       |
| <i>variabilis,</i>                      |                     |        |      | <i>damp soils.</i>                                     |           |       |
| <i>serotina,</i>                        |                     |        |      | <i>cruciata,</i>                                       | L         | Aug   |
| wet soils.                              |                     |        |      | <i>grows in upper country, also damp pine barrens.</i> |           |       |
| <i>Pisum sativum</i> , Ex.              |                     |        |      |  |           |       |
| † <i>Plantago major,</i>                | Pursh               | May    |      |  |           |       |
| damp cultivated soils,                  |                     |        |      |  |           |       |
| <i>grows in Charleston.</i>             |                     |        |      |  |           |       |

¶ Elliott has evidently not alluded to this plant. I find two species, one growing in yards and cultivated soils, allied to the *P. Virginica*, the other seen in morass at Mulberry Castle, C. river, and resembling *P. Major*. The latter is probably the same with one from this locality, which I understand Prof. Gray has determined to be a *P. Kamtschatkia*! not heretofore seen in the United States.

|  |                       |       |  |           |          |
|--|-----------------------|-------|--|-----------|----------|
| <i>setacea,</i><br>near Bell's Pl. Back<br>river, rare.  | Mx                    | July  | <i>Poreelia triloba,</i><br><i>Orchidocarpum,</i><br>Ward swamp.   | WEat M    | April    |
| { <i>cymosa,</i> { <i>corym-</i><br>{ <i>bosa,</i> { <i>ramosa,</i><br>attenuata { <i>corym-</i><br>{ <i>bosa,</i> { <i>cymosa</i><br>{ <i>grandiflora,</i><br>{ <i>pubescens,</i> | Nutt Ell Sk Wr Ell Sk | Aug   | † <i>Portulacca oleracea,</i><br>rich soils around<br>buildings.<br><i>pilosa,</i> introd.<br><i>Potamogeton hetero-</i><br><i>phyllum,</i><br>standing water im-<br>mersed. | Walt L    | June May |
| <i>Polygonatum,</i> (see<br><i>Convallaria,)</i>   |                       |       | { <i>gramineum,</i><br>{ <i>panciflorum,</i>   | Mx Ell Sk | July     |
| † <i>Polygonum aviculare,</i><br>dry pastures.   | L                     | May   | <i>Potentilla,</i> { <i>canadensis v.</i><br>{ <i>simplex.</i>   | Ell Sk    |          |
| { <i>lapathifolium,</i><br>{ <i>incarnatum,</i><br>ponds and ditches,<br>usually immersed.   | Eat M Ell Sk          | Aug   | † <i>Prenanthes,</i> (see Na-<br>balus,)   | Fid Tor   |          |
| † { <i>punctatum,</i><br>{ <i>hydropiper,</i><br>ditches and margin of<br>streams, often immer-<br>sed   | Ell Mx                | Aug   | § <i>Prilocarya rhyncos-</i><br><i>poroides,</i><br><i>Prinos glaber,</i><br>damp pine land.<br>ambiguus,*   | L         | June     |
| mite,<br>ditches and ponds,<br>often immersed.   | Per                   | July  | coreaceus ?  | Mx        | May      |
| <i>virginianum,</i><br>rich wooded land.   | L                     | July  | margin of bays.  | Ph        |          |
| <i>pensylvanicum,</i><br>wet spots, often im-<br>mersed.   | L                     | July  | Proserpinaca palustris   | L         | Aug      |
| <i>Ipersicaria,</i><br><i>orientale,</i> Ex.   | L                     | Aug   | ditches, swamp, near<br>Bunkerhill Pl. im-<br>mersed.  | L K       | July     |
| <i>sagittatum,</i><br>damp places around<br>ponds.   | L                     | July  | <i>pectinata,</i><br>immersed pine land<br>ponds.  | L         | June     |
| <i>scandens,</i><br>pastures of cultivated<br>fields.  | L                     | July  | † <i>Prunella vulgaris,</i><br>along fences.   | T & G     |          |
| <i>hirsutum,</i><br>in ponds, immersed<br>frequently.  | Wr                    | July  | <i>Prunus,</i> (see <i>Cerasus</i> )   | Ell Sk    |          |
| <i>arifolium,</i><br>Rice fields, Cooper<br>river.   | L                     | Aug   | { <i>americana,</i><br>{ <i>hiemalis,</i><br>margin of swamps.   | Mx        |          |
| <i>sagopyrum,</i><br>Ex. cult.   | L                     | July  | <i>chicosa,</i><br>around buildings and<br>old settlements.  |           |          |
| <i>Polymnia uvedalia,</i><br>pastures.   | L                     | July  | <i>domestica</i> va. <i>Ju-</i><br><i>lianiana,</i> Ex.  |           |          |
| <i>Polypremum procum-</i><br><i>bens,</i>  | L                     | April | † <i>Psoralea eglandulosa,</i><br>damp fertile soils.  | Ell       | June     |
| <i>Pontederia cordata,</i><br>ponds and ditches<br>immersed.   | Walt                  | June  | † <i>Pterocaulon pycnos-</i><br><i>tachyum,</i><br>abundant in pine<br>barrens.  | Mx        | July     |
| <i>Populus angulata,</i><br>swamps.  | L                     | March | <i>Pycnanthemum inca-</i><br><i>num,</i><br>rich lands.  | Mx        | Aug      |
| <i>heterophylla,</i><br>an aquatic tree.   |                       |       | <i>linifolium,</i> Ph  |           | Aug      |
| <i>dilatata,</i> Ex.   |                       |       | damp pine lands.   | Mx        | Aug      |
|  |                       |       | <i>aristatum,</i> Mx   |           | March    |
|  |                       |       | <i>verticillatum,</i> Mx   |           |          |
|  |                       |       | <i>Pyrus,</i> ( <i>Aronia</i> Ell.<br>Sk. partly.)   | T & G     |          |
|  |                       |       | <i>angustifolia,</i><br>rich lands.  |           |          |

(In Ell. Sk. a synonyme of Walt. under *P. punctatum*.

|                                    |        |       |                                    |          |      |
|------------------------------------|--------|-------|------------------------------------|----------|------|
| <i>{ arbutifolia,</i>              | T & G! | March | <i>{ parviflorus,</i>              | T & GLn  |      |
| <i>va. erithrocarpa,</i>           | Ell Sk |       | <i>trachysperma,</i>               | Ell Sk   | May  |
| <i>A. arbutifolia,</i>             |        |       | <i>muricatus,</i>                  | T & GL   |      |
| <i>va. tomentosa !</i>             |        |       | <i>carolinianus,</i>               | D C      | May  |
| rich damp soils, ornamental.       |        |       | often immersed.                    |          |      |
| <i>communis,</i>                   |        |       | <i>hispidus,</i>                   | Mx       | June |
| Ex. cult.                          |        |       | shaded soils.                      |          |      |
| <i>malus,</i>                      |        |       | <i>Raphanus sativus,</i>           |          |      |
| Ex. cult.                          |        |       | Ex. cult.                          |          |      |
| <i>cydonia,</i>                    |        |       | <i>Rhexia virginica,</i>           | L        | July |
| Ex. cult.                          |        |       | pine land.                         |          |      |
| <i>{ Pyrrhypappus caroliniana,</i> | T & G  |       | <i>mariana,</i>                    | L        | July |
| <i>Borkhausia,</i>                 | Ell Sk |       | pine lands.                        |          |      |
| meadows and yards.                 |        |       | <i>ciliosa,</i>                    | Mx       | July |
| <i>Punica granatum, Ex.</i>        |        |       | damp pine barrens.                 |          |      |
| <i>Quercus phellus,</i>            | L      | May   | <i>glabella,</i>                   |          |      |
| edge of swamps.                    |        |       | margin of bays.                    |          |      |
| <i>triloba,</i>                    | W      | May   | <i>lutea,</i>                      | Walt     | Aug  |
| <i>aquatica,</i>                   | Walt   | May   | <i>{ lanceolata,</i>               | W T&G    |      |
| in swamps, roots                   |        |       | <i>{ angustifolia,</i>             | Ell Sk   |      |
| sometimes immersed.                |        |       | + <i>Rhus copalliria va. A.</i>    | Walt     | June |
| <i>nigra,</i>                      | L      | May   | edge of roads.                     |          |      |
| barren pine land.                  |        |       | <i>{ venenata,</i>                 | Ell Sk   |      |
| <i>tinctoria,</i>                  | Bart   |       | <i>{ vernix,</i>                   |          |      |
| rich soils.                        |        |       | toxicodendron,                     | Ell Sk L | May  |
| <i>rubra,</i>                      | L      | May   | pine barrens.                      |          |      |
| valuable timber tree,              |        |       | <i>radicans,</i>                   | Ell Sk L | May  |
| high lands.                        |        |       | rich swamps.                       |          |      |
| <i>catesbaei,</i>                  | Mx     | May   | <i>{ Rhyncosia tomentosa,</i>      | T & G    | June |
| dry soils.                         |        |       | <i>Glycine,</i>                    | Ell Sk   |      |
| <i>obtusiloba,</i>                 | Mx     | May   | pine barrens.                      |          |      |
| <i>alba,</i>                       | L      | May   | <i>molissima ?</i>                 |          |      |
| margin of swamps,                  |        |       | <i>{ va. monophylla,</i>           | T & G    | Jun  |
| one of our best tim-               |        |       | <i>{ G. symplicifolia,</i>         | Well Sk  |      |
| ber trees.                         |        |       | dry soils.                         |          |      |
| <i>prinos,</i>                     | L      |       | <i>{ va. volubilis,</i>            |          |      |
| damp soils.                        |        |       | <i>{ G. volubilis,</i>             |          |      |
| <i>pumila,</i>                     | Walt   |       | <i>{ va. erecta,</i>               | WT & G   |      |
| dry pine barrens.                  |        |       | <i>{ G. tomentosa,</i>             | Ell Sk   | July |
| <i>virens,</i>                     | Aiton  |       | dry soils.                         |          |      |
| old fields.                        |        |       | <i>Rosa parviflora,</i>            | W        | June |
| <i>cinerea,</i>                    | Mx     | April | dry soils.                         |          |      |
| <i>laurifolia,</i>                 | Mx     |       | <i>lucida,</i> swamps.             | Ell      | May  |
| border of swamps—                  |        |       | <i>cetigera ?</i>                  |          |      |
| Sea-islands.                       |        |       | <i>carolina,</i>                   | L        | June |
| <i>lyrata,</i>                     | Walt   | April | swamps.                            |          |      |
| <i>michauxii,</i>                  | Nutt   |       | <i>laevigata,</i>                  | Mx       | May  |
| swamps.                            |        |       | rich soils, excellent              |          |      |
| <i>falcata,</i>                    | Mx     | May   | for hedges.                        |          |      |
| <i>nana ?</i>                      | Wild   |       | <i>Rhyncos-</i>                    |          |      |
| <i>Ranunculus pusillus,</i>        | Pursh  | May   | <i>{ glomerata,</i>                | Ell Sk   |      |
| damp marshy spots.                 |        |       | <i>pora,</i> <i>{ capitellata,</i> |          |      |
| <i>recurvatus,</i>                 | L K    | April | <i>capitellata,</i>                | Pursh    |      |
| <i>{ repens,</i>                   | Ell Sk |       | <i>sparsa,</i>                     |          |      |
| <i>nitidus,</i>                    |        |       | <i>Smiliacea,</i>                  |          |      |
| often immersed.                    |        |       | <i>cymosa,</i>                     | W        | July |
| <i>palmatus,</i>                   | Ell Sk | April | wet soils often im-                |          |      |
| wet spots.                         |        |       | mersed.                            |          |      |
|                                    |        |       | <i>{ longerostris,</i>             | Ell Sk   |      |
|                                    |        |       | <i>laxa,</i>                       | Vahl     | July |
|                                    |        |       | rice fields.                       |          |      |

|                                   |          |       |  |                                  |          |       |
|-----------------------------------|----------|-------|--|----------------------------------|----------|-------|
| <i>Sciliata,</i>                  |          |       |  | <i>lancifolia,</i>               | L        | May   |
| <i>raridora,</i>                  | Ell      | May   |  | marshes, frequently<br>immersed. |          |       |
| <i>Spaniculata,</i>               |          |       |  |                                  |          |       |
| <i>inenfransa,</i>                | Pursh    | June  |  | † <i>Salix nigra,</i>            | L        | May   |
| <i>Smicrocarpa,</i>               |          |       |  | damp soils along<br>streams.     |          |       |
| <i>plumosa,</i>                   | Ell      | July  |  | <i>babylonica,</i>               |          |       |
| <i>pine land.</i>                 |          |       |  | Ex. Nat.                         |          |       |
| <i>Scephalantha,</i>              | Fid. Gry |       |  |                                  |          |       |
| <i>Ricinus communis,</i>          |          |       |  | † <i>Salvia lyrata,</i>          | L        | June  |
| <i>rich spots near build-</i>     |          |       |  | rich wooded land.                |          |       |
| <i>ings.</i>                      |          |       |  | <i>azurea,</i> rich              | L K      | July  |
| <i>Rotbollia scorrugata,</i>      |          |       |  | soils along fences.              |          |       |
| <i>Robinia pseudoacacia,</i>      |          |       |  | <i>coccinea,</i>                 | Mx       | July  |
| <i>Lower St. John's.</i>          |          |       |  | rare, Mulberry Cas-              |          |       |
| † <i>Ruellia strepens,</i>        | L        | July  |  | tle, Cooper river.               |          |       |
| <i>wet swamps often</i>           |          |       |  | <i>obovata,</i>                  | Ell      |       |
| <i>immersed.</i>                  |          |       |  | rich shaded soils.               |          |       |
| <i>Rudbeckia mollis,</i>          |          |       |  | <i>officinalis,</i>              |          |       |
| { <i>laciniata</i> va. 2,         | T & G    | Aug   |  | † <i>Sambucus canadensis</i>     | L        | June  |
| { <i>digitata,</i>                | Ell Sk   |       |  | damp soils.                      |          |       |
| <i>fulgida,</i>                   |          |       |  | † <i>Samolus valerandi,</i>      | L        | May   |
| † <i>Rubus villosus,</i>          | L        | April |  | old rice fields, often           |          |       |
| † <i>trivialis,</i>               | A        | April |  | immersed.                        |          |       |
| <i>occidentalis,</i>              | L        |       |  | † <i>Sanguinaria canaden-</i>    | L        | March |
| <i>cuneifolius,</i>               | Pursh    | April |  | sis,                             |          |       |
| <i>sandy soils.</i>               |          |       |  | rich shaded soils, not           |          |       |
| <i>ideus,</i> Ex.                 |          |       |  | uncommon.                        |          |       |
| † <i>Rumex crispus,</i>           | L        | June  |  | <i>Sanicula marylandica</i>      | L        | June  |
| <i>close soils.</i>               |          |       |  | rich shaded soils.               |          |       |
| † <i>britanicus,</i>              | L        | May   |  | <i>Sarothra,</i>                 |          |       |
| <i>damp soils.</i>                |          |       |  | (see <i>Hypericum.</i> )         |          |       |
| † <i>acetosellus,</i>             | L        | June  |  | † <i>Sarracenia flava,</i>       | L        | May   |
| <i>sandy soils.</i>               |          |       |  | damp soils, near Pi-             |          |       |
| <i>pastatalus,</i>                | Bald     | April |  | nopolis.                         |          |       |
| <i>fields.</i>                    |          |       |  | <i>variolaris,</i>               | Mx       | May   |
| <i>persicaroides,</i>             | L        | July  |  | wet pine barrens.                |          |       |
| <i>pulcher,</i>                   | L        | July  |  | † <i>Saururus cernuus,</i>       | L        | June  |
| Ex. Nat.                          |          |       |  | inundated swamps.                |          |       |
| <i>Sabal pumila,</i>              | Walt     | July  |  | <i>Secale cereale,</i>           |          |       |
| † <i>Sabbatia angularis,</i>      | Pursh    | Aug   |  | Ex. cult.                        |          |       |
| <i>rich wet soils, near</i>       |          |       |  | <i>Schoenus effusus,</i>         | El Sk Sw |       |
| <i>White Hall Pl.</i>             |          |       |  | <i>Schrankia sangustata,</i>     | Fid. Gry |       |
| <i>calycosa,</i>                  | Mx       | Aug   |  | pine barrens, sensi-             |          |       |
| <i>wet soils, near</i>            |          |       |  | tive pl.                         |          |       |
| <i>swamps.</i>                    |          |       |  | † <i>Scirpus palustris,</i>      | L        | May   |
| <i>chloroides,</i>                | Mx       | Aug   |  | rice fields often im-            |          |       |
| <i>near pine land ponds,</i>      |          |       |  | mersed.                          |          |       |
| <i>roots often immersed.</i>      |          |       |  | <i>capitatus,</i>                | L        | Aug   |
| <i>corymbosa,</i>                 | Bald     | July  |  | bogs often immersed.             |          |       |
| <i>wet pine barrens.</i>          |          |       |  | <i>capillaceus,</i>              | Ell Sk   | May   |
| <i>gracilis,</i>                  |          |       |  | damp soils.                      |          |       |
| † <i>Sagittaria sagittifolia,</i> | Mx       | Sept  |  | <i>lacustris,</i>                | L        | Sept  |
| <i>near Cooper river,</i>         |          |       |  | marshes often im-                |          |       |
| <i>generally immersed.</i>        |          |       |  | mersed.                          |          |       |
| <i>Stradicans,</i>                | Nutt     |       |  | <i>maritimus,</i>                | Ell Sk   |       |
| <i>graminea,</i>                  | Mx       | Aug   |  | <i>eriophorum,</i>               |          |       |
| <i>pine barren ponds,</i>         |          |       |  | { <i>Eriophorum</i>              |          |       |
| <i>sometimes immersed.</i>        |          |       |  | <i>cyperinum,</i>                |          |       |
| <i>natans,</i>                    | Mx       | Aug   |  | <i>triqueter,</i>                |          |       |
| <i>immersed, pond in</i>          |          |       |  | <i>minimus,</i>                  |          |       |
| <i>Stoney Landing Pl.</i>         |          |       |  | <i>lineatus,</i>                 | Ell Sk   |       |

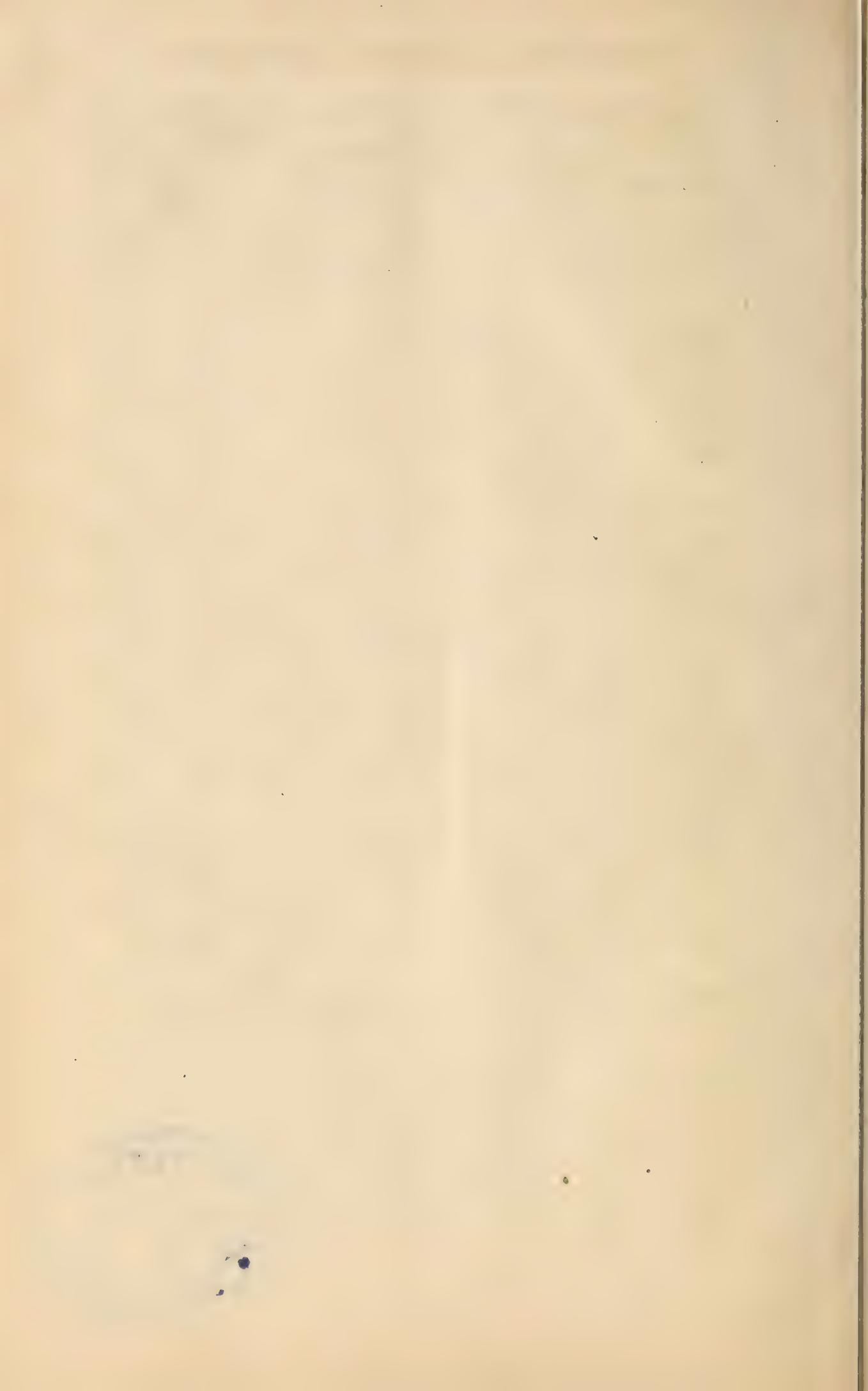
|  |           |       |  |                    |       |
|--|-----------|-------|--|--------------------|-------|
| ciliatifolius,<br>damp soils.                            | Ell Sk    | Oct   | { Soliva nasturtifolia,<br>Gymnostyles stolo-      | T & G              | May   |
| autumnalis,<br>wet soils.                                | L         | Aug   | nifera,<br>Silphium asteriscum,                    | Ell Sk             |       |
| simplex,<br>tuberculatus,                                | Ell<br>Mx | Aug   | laevigatum,<br>compositum,                         | L                  | July  |
| wet soils frequently<br>immersed.                        |           |       | + Sisymbrium,<br>(see Erysimum and<br>Nasturtium.) |                    |       |
| quadrangulatus,  | Mx        | May   | \$ officinale,<br>\$ thalianum,                    | Fid Gry<br>F idGry |       |
| rice fields, marshes.                                    |           |       | Sisyrinchium anceps,                               |                    | April |
| equisetoides,  | Ell       |       | corn fields and pas-<br>tures.                     |                    |       |
| seen by H. W. R. in<br>the spot mentioned<br>by Elliott. |           |       | Sium, (see Tiedman-<br>nia,)                       |                    |       |
| divaricatus,<br>pine land.                               | Ell       | June  | + Smilax herbacea,<br>rich wooded land.            | L                  | April |
| Schleria reticulata,<br>pastures.                        | Mx        | July  | caduea,<br>margin of ponds and                     | L                  |       |
| oligantha,<br>C. River.                                  | Mx        | May   | wet spots.   | Wild               | June  |
| hirtella,<br>damp soils.                                 | Mx        | July  | haslata,<br>rich swamps.                           |                    | July  |
| verticillata,  |           |       | lanceolata,<br>swamps.                             | L                  |       |
| Scrophularia mary-<br>landica,<br>rich shaded soils.     | L         | Sept  | laurifolia,<br>edge of rivulets.                   | L                  | June  |
| + Scutellaria lateriflora,                               | L         | July  | + pseudo china,<br>swamps and sandy                |                    |       |
| + integrifolia,  | L         | July  | soils.   |                    | April |
| wet spots, edge of<br>roads.                             |           |       | + tamnooides,<br>walteri,                          | L                  |       |
| pilosa,  | Mx        | June  | Rev. C. W. Lower<br>St. John's.                    |                    |       |
| rich soils.  |           |       | + sarsaparilla !                                   |                    |       |
| { Senebriera pinnati-<br>fida v. 1,                      | T & G     | April | Smilacina, (see Con-<br>vallaria.)                 |                    |       |
| { Coronopus didyma,                                      | Ell Sk    |       | + Solanum nigrum,<br>carolinense,                  | L                  |       |
| cult. spots.   |           |       | dry soils.   |                    | July  |
| Senecis hieracifolius,                                   | L         | Aug   | tuberosum,<br>Ex. cult.                            |                    |       |
| wet fertile soils.                                       |           |       | lycopersicum,<br>Ex. cult.                         |                    |       |
| lobatus,   | Pers      | Feb   | Smyrnium, (see Zizia.)                             |                    |       |
| rice fields, and inun-<br>dated land.                    |           |       | Solidago rugosa,<br>rich soils.                    | Wild               | July  |
| + Sesamum indicum,                                       |           | July  | virgata,<br>border of swamps.                      | Mx                 |       |
| Ex. cult.  |           |       | graminifolia,<br>damp soils.                       | Ell                | Sept  |
| Sericocarpus, Aster of                                   |           |       | tenuifolia,<br>tortifolia,                         | Pursh              |       |
| Elliott partly.  |           |       | dry pine barrens.                                  | Ell                | Sept  |
| conyzoides,  | T & G     | July  | villosa,   |                    |       |
| soledaginoides,  |           | Aug   | damp oak lands.                                    |                    |       |
| rich soils.  |           |       | odora,   |                    |       |
| + tortifolius,   |           | Sept  | leavenworthii,                                     |                    |       |
| pine barrens.  |           |       | \$ pilosa,<br>\$ boollii,                          |                    |       |
| Seymeria tenuifolia,                                     | Pursh     | Aug   | \$ spatula,  |                    |       |
| Sida spinosa,  | L         | Aug   |  |                    |       |
| { elliottii,   | T & G     | Aug   |  |                    |       |
| { gracilis,  | Ell Sk    | Aug   |  |                    |       |
| Sinapis nigra, Ex.                                       |           |       |  |                    |       |
| Silene pensylvanica,                                     | Mx        | May   |  |                    |       |
| antirrhina,  | L         | May   |  |                    |       |
| + virginica,   | L         |       |  |                    |       |
| Mulberry Castle.   |           |       |  |                    |       |
| { Spilanthes repens,                                     |           | Sept  |  |                    |       |
| { Achmella,  | Ell Sk    |       |  |                    |       |

|   |        |       |   |          |  |  |
|---|--------|-------|---|----------|--|--|
| <i>altissima,</i>   |        |       |   |          |  |  |
| <i>canadensis,</i>  |        |       |   |          |  |  |
| <i>Spuberula,</i>   |        |       |   |          |  |  |
| † <i>Sonchus oleraceus,</i>   | L      | July  |   |          |  |  |
| <i>acuminatus,</i>  | W      |       |   |          |  |  |
| (see <i>Mulgedium.</i> )  |        |       |   |          |  |  |
| <i>carolinianus ?</i>   | W      |       |   |          |  |  |
| <i>Sorghum saccharatum,</i> Ex. cult.   |        |       |   |          |  |  |
| <i>Sparganium americanum,</i>   | Nutt   |       |   |          |  |  |
| <i>Spanganophorus verticillatus,</i> flat pine land near Pinopolis.   | Mx     | Aug   |   |          |  |  |
| † <i>Spergula arvensis,</i>   | Wr     | May   |   |          |  |  |
| cultivated spots.   |        |       |   |          |  |  |
| { <i>Sagina decumbens,</i>  | T & G  | May   |   |          |  |  |
| { <i>S. pergula,</i>  | Ell Sk |       |   |          |  |  |
| † <i>Spigelia marylandica,</i>  | Walt   | May   |   |          |  |  |
| rich soils around ponds.  |        |       |   |          |  |  |
| <i>Spinacea oleracea,</i>   | Ex.    |       |   |          |  |  |
| <i>Stachys aspera,</i>  | Mx     | July  |   |          |  |  |
| rich damp soils.  |        |       |   |          |  |  |
| <i>hispida,</i>   | Ph     |       |   |          |  |  |
| <i>Stellaria,</i> { <i>uniflora,</i>  | WT & G | April |   |          |  |  |
| { <i>arenaria</i>   | Ell Sk |       |   |          |  |  |
| <i>glabra,</i>  |        |       |   |          |  |  |
| dry sandy land.   |        |       |   |          |  |  |
| <i>prostrata,</i>   | Bald   |       |   |          |  |  |
| <i>media,</i>   |        |       |   |          |  |  |
| not in Ell. Sk.   |        |       |   |          |  |  |
| † <i>Styllingia sylvatica,</i>  | L      | July  |   |          |  |  |
| common in pine land.  |        |       |   |          |  |  |
| † <i>sebifera,</i>  | L      |       |   |          |  |  |
| <i>Stipa avenacea,</i>  | L      | June  |   |          |  |  |
| <i>Stuartia</i> { <i>malachio-</i>  | T & G  | May   |   |          |  |  |
| { <i>dendron,</i>   |        |       |   |          |  |  |
| <i>virginica,</i>   | Ell Sk |       |   |          |  |  |
| rare rich oak land, near Sarrazin Pl.— There is also a tree at the residence of Dr. MacBride, in Pine-ville, very ornamental. |        |       |   |          |  |  |
| <i>Stylosanthes elatior,</i>  | L      | July  |   |          |  |  |
| dry soils.  |        |       |   |          |  |  |
| <i>Styrax grandifolium,</i>   | L      | May   |   |          |  |  |
| rich shaded land.   |        |       |   |          |  |  |
| <i>laeve,</i>   | Walt   | May   |   |          |  |  |
| rich wooded land.   |        |       |   |          |  |  |
| <i>Syena fluviatilis,</i>   | L      | Aug   |   |          |  |  |
| rare, pond on public road, near Woodboo Pl. H. W. R.  |        |       |   |          |  |  |
| <i>Tephrosia virginica,</i>   | Pursh  | July  |   |          |  |  |
| pine land.  |        |       |   |          |  |  |
| <i>hispidula,</i>   | Mx     | June  |   |          |  |  |
| pine barrens.   |        |       |   |          |  |  |
|   |        |       | { <i>spicata,</i>                       | T & G    |  |  |
|   |        |       | { <i>paucifolia,</i>                    | Ell Sk   |  |  |
|   |        |       | <i>Tetragonotheca heli-</i>             | Wild     |  |  |
|   |        |       | <i>anthoides,</i>                       |          |  |  |
|   |        |       | rich land, margin of                    |          |  |  |
|   |        |       | woods.                                  |          |  |  |
|   |        |       | <i>Teucrium canadense,</i>              | L        |  |  |
|   |        |       | rich shaded soils.                      |          |  |  |
|   |        |       | <i>Thalictrum</i> , ( <i>dioicum</i> )  | Ell Sk   |  |  |
|   |        |       | <i>cornuta,</i>                         | Fid Gry. |  |  |
|   |        |       | <i>Thlaspi</i> , (see <i>capsella</i> ) |          |  |  |
|   |        |       | { <i>Thaspium batbi-</i>                | Eat M    |  |  |
|   |        |       | <i>node,</i>                            |          |  |  |
|   |        |       | { <i>Ligusticum,</i>                    | Ell Sk   |  |  |
|   |        |       | rich swamp, near So-                    |          |  |  |
|   |        |       | <i>merset Pl.</i>                       |          |  |  |
|   |        |       | <i>Thymus vulgaris,</i>                 | Ex. Nat. |  |  |
|   |        |       |   |          |  |  |
|   |        |       | <i>Tilia</i> { <i>pubescens,</i>        | L        |  |  |
|   |        |       | { <i>americana,</i>                     | Walt     |  |  |
|   |        |       | swamps.                                 |          |  |  |
|   |        |       | † <i>Tillandsia usneoides,</i>          | L        |  |  |
|   |        |       | parasitic on oaks ge-                   |          |  |  |
|   |        |       | nerally.                                |          |  |  |
|   |        |       | <i>Tosfielda pubens,</i>                | Mx       |  |  |
|   |        |       | wet pine land, Pino-                    |          |  |  |
|   |        |       | polis.                                  |          |  |  |
|   |        |       | <i>Tradescantia virginica</i>           | L        |  |  |
|   |        |       | very rare and beauti-                   |          |  |  |
|   |        |       | ful, seen by Fremont,                   |          |  |  |
|   |        |       | in the West.                            |          |  |  |
|   |        |       | <i>rosea</i> , damp                     |          |  |  |
|   |        |       | pine land, rich soils.                  |          |  |  |
|   |        |       | <i>Tragia urens,</i>                    | L        |  |  |
|   |        |       | dry situations.                         |          |  |  |
|   |        |       | <i>urticifolia,</i>                     | Mx       |  |  |
|   |        |       | <i>Tragopogon porrifo-</i>              |          |  |  |
|   |        |       | <i>lius</i> , Ex.                       |          |  |  |
|   |        |       | { <i>Trichocloa capilla-</i>            | Fd GLC   |  |  |
|   |        |       | <i>ris,</i>                             |          |  |  |
|   |        |       | { <i>Agrostis sericea,</i>              | Ell Sk ! |  |  |
|   |        |       | <i>Trichodium laxiflo-</i>              |          |  |  |
|   |        |       | <i>rum</i> , swamps.                    |          |  |  |
|   |        |       | <i>perenneum</i> ,                      |          |  |  |
|   |        |       | wet shaded places.                      |          |  |  |
|   |        |       |   |          |  |  |
|   |        |       | <i>Trichostema dichoto-</i>             | L        |  |  |
|   |        |       | <i>ma,</i>                              |          |  |  |
|   |        |       | worn out pastures.                      |          |  |  |
|   |        |       | † <i>Trifolium repens,</i>              | L        |  |  |
|   |        |       | wet soils.                              |          |  |  |
|   |        |       |   |          |  |  |
|   |        |       | <i>arvense,</i>                         | L        |  |  |
|   |        |       | <i>reflexum,</i>                        | Wild     |  |  |
|   |        |       | <i>carolinianum,</i>                    | Mx       |  |  |
|   |        |       | pastures,                               |          |  |  |
|   |        |       | † <i>Trillium sessile,</i>              |          |  |  |
|   |        |       | rare rich wooded land                   |          |  |  |
|   |        |       | Wantoot Pl.                             |          |  |  |
|   |        |       |   |          |  |  |
|   |        |       | <i>Tripsacum dacty-</i>                 | L        |  |  |
|   |        |       | <i>loides,</i>                          |          |  |  |

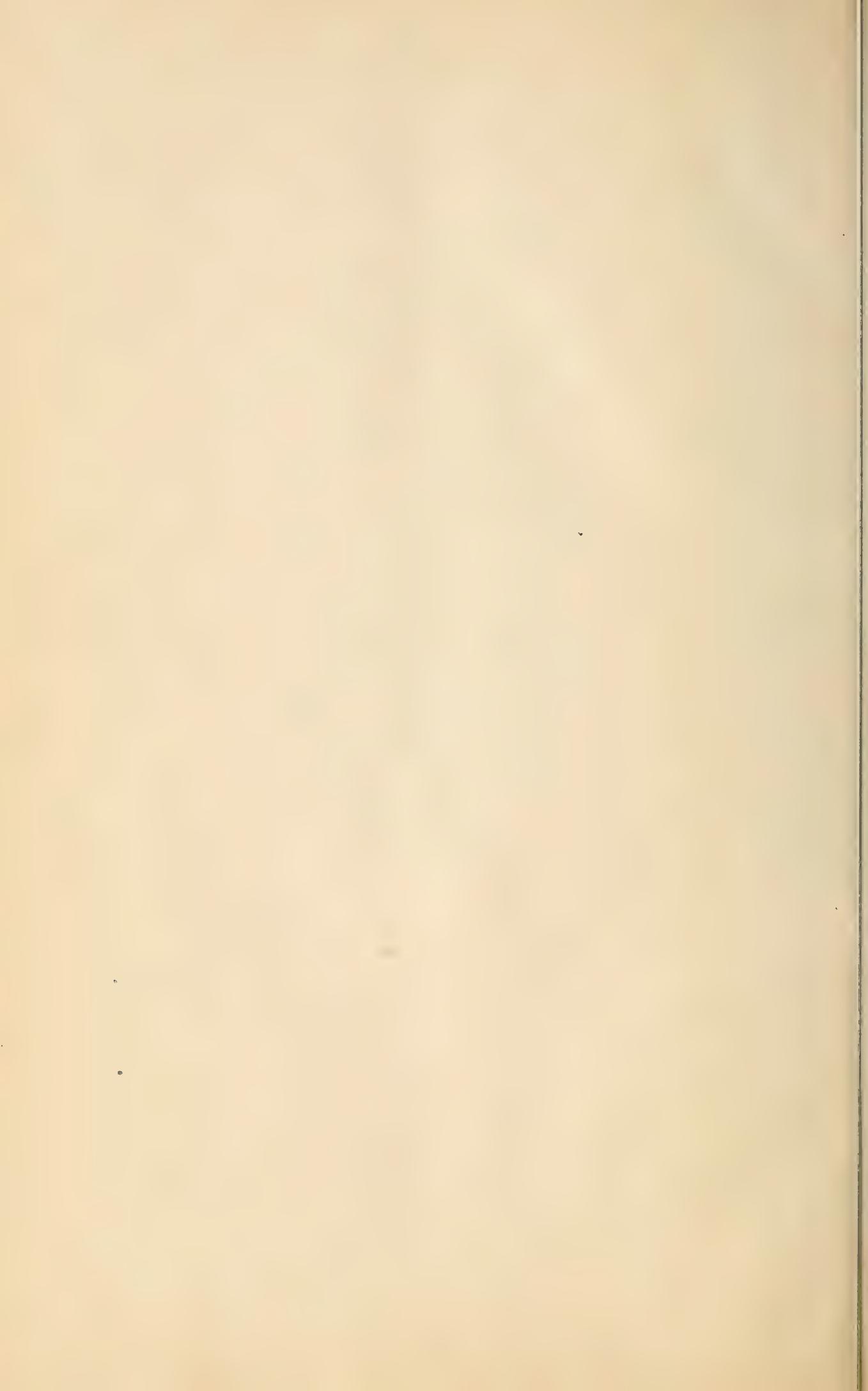
|  |          |       |  |   |         |       |  |
|--|----------|-------|--|---|---------|-------|--|
| + <i>Typha latifolia</i> ,<br>stagnant water often<br>immersed.  | L        |       |  | <i>sessilifolia</i> , rare<br>in low country.             | L       |       |  |
| <i>Tripterella capitata</i> ,<br>rare old field, below<br>Pinopolis.   | Walt     | Aug   |  | <i>Vaccinium stamine-</i><br><i>um</i> , dry wooded land. | L       | April |  |
| + <i>coerulea</i> ,<br>rare, near Pinopolis.   | Walt     |       |  | <i>dumosum</i> ,<br>shaded rich soils.                    | Pursh   | May   |  |
| + { <i>Taraxacum dens</i><br><i>leonis</i> ,<br><i>Leontodon taraxa-</i><br><i>cum</i> ,<br>rare, wet spot, Ophir<br>Pl. common in the<br>streets of Charleston. | T & G    | May   |  | <i>corymbosum</i> ,<br><i>arboreum</i> ,<br>wet soils.    | L       | April |  |
| Tiedmannia, (Sium of<br>Ell. Sk. partly.<br><i>teretifolia</i> ,<br>margin of pine land<br>bays, Pinopolis.  | Ell Sk   |       |  | <i>galeans</i> ,<br><i>nitidum</i> ?                      | Mx      | May   |  |
| + <i>Ulmus americana</i> ,<br>swamps.  | Mx       | March |  | + <i>Verbascum thapsus</i> ,<br>pastures.                 | Ph Walt | June  |  |
| <i>alata</i> , swamps  | Mx       | March |  | + <i>blattaria</i> va. a. & b.                            | Smith   | July  |  |
| <i>Uniola latifolia</i> ,<br>collected also by<br>McB. in the Mts.   | Mx       | April |  | along Santee Canal,<br>Big Camp.                          |         |       |  |
| <i>gracilis</i> ,<br>rich shady soils.   | Mx       | Aug   |  | + <i>Verbena urticifolia</i> ,                            | L       | July  |  |
| <i>nitida</i> ,  | Bald     |       |  | wet soils.  |         |       |  |
| <i>Urtica capitata</i> ,<br>damp shaded soils.   | L        | June  |  | <i>caroliniana</i> ,                                      | L       |       |  |
| <i>pumila</i> ,<br>damp shaded land.   | L        | July  |  | <i>Verbesina siegesbec-</i>                               | Mx      | Aug   |  |
| <i>divaricata</i> ?  | L        |       |  | <i>kia</i> , along fences.                                |         |       |  |
| <i>Utricularia inflata</i> ,   | W Ell Sk | July  |  | <i>virginica</i> ,  | L       | July  |  |
| Susey's Reservoir,<br>immersed.  |          |       |  | <i>Vernonia novaebora-</i>                                | Wild    | July  |  |
| <i>gibba</i> ,   | L        | July  |  | censis,   |         |       |  |
| pond near Santee ca-<br>nal, immersed.   |          |       |  | wet spots along rivu-<br>lets                             |         |       |  |
| { <i>purpurea</i> ,<br>{ <i>saccata</i> ,  | Walt Lc  | Aug   |  | <i>oligophylla</i> ,                                      | Mx      |       |  |
| near Walter's old<br>residence.  |          |       |  | margin of pine land                                       |         |       |  |
| <i>bipartita</i> ,<br><i>longirostris</i> ,  | Ell Sk   | July  |  | bays.   |         |       |  |
| on logs in ponds near  |          |       |  | <i>angustifolia</i> ,                                     | Mx      | Aug   |  |
| Santee Canal.  |          |       |  | pine land.  |         |       |  |
| <i>personata</i> ,   | Lc       | Aug   |  | <i>scaberrima</i> ,                                       | Nutt    | Aug   |  |
| pond just above Pi-<br>nopolis, sometimes<br>immersed.   |          |       |  | pine barrens.   |         |       |  |
| <i>setacea</i> ,   | Mx       | Ap Au |  | <i>Veronica arvensis</i> ,                                | Walt    | May   |  |
| old field, near Pino-<br>polis.  |          |       |  | damp yards, in Low-<br>er St. John's.                     |         |       |  |
| <i>fibrosa</i> ,*<br>immersed.   | Walt     |       |  | <i>peregrina</i> , fields.                                | Mx      |       |  |
| <i>Uvaria triloba</i> ,  | L        | April |  | <i>Viburnum prunifo-</i>                                  | Walt    | May   |  |
| <i>Uvularia perfoliata</i> ,   |          |       |  | <i>lum</i> , rich soils.                                  |         |       |  |
| rare, rich land,<br>Brunswick Pl.  |          |       |  | <i>nudum</i> ,  | L       | May   |  |
|  |          |       |  | along rivulets.   |         |       |  |
|  |          |       |  | <i>dentatum</i> , va. b.                                  | L       | May   |  |
|  |          |       |  | rich shaded soils.  |         |       |  |
|  |          |       |  | <i>obovatum</i> ,   | Walt    | April |  |
|  |          |       |  | margin of streams.  |         |       |  |
|  |          |       |  | <i>cassinoides</i> ,                                      | W       |       |  |
|  |          |       |  | along streams, bays,                                      |         |       |  |
|  |          |       |  | &c.   |         |       |  |
|  |          |       |  | <i>opusum</i> , Ex.                                       |         |       |  |
|  |          |       |  | + <i>Vicia sativa</i> !                                   | Wr      | June  |  |
|  |          |       |  | <i>acutifolia</i> ,                                       | Ell     | April |  |
|  |          |       |  | <i>faba</i> , Ex.   |         |       |  |
|  |          |       |  | <i>Villarsia</i> , { <i>lacunosa</i> ,                    | Eat M   | July  |  |
|  |          |       |  | { <i>trachys-</i>   |         |       |  |
|  |          |       |  | { <i>perma</i> ,  | Ell     |       |  |
|  |          |       |  | immersed Santee ca-<br>nal.                               |         |       |  |
|  |          |       |  | + <i>Viola palmata</i> va.                                | L       | May   |  |

|                                      |         |       |  |        |      |
|--------------------------------------|---------|-------|--|--------|------|
| <i>vulgaris</i> and heter-           | Ell Sk  |       | <i>Zizania aquatica,</i>                 | Walt   | Aug  |
| ophylla,                             |         |       | swamps.                                  |        |      |
| cucullata,                           | W       | May   | <i>Zizyphus</i> , (see Ber-              |        |      |
| rich soils.                          |         |       | chemia.)                                 |        |      |
| primulifolia,                        | L       |       | { <i>Zizia aurea,</i>                    | Eat M  | June |
| wet spots.                           |         |       | { <i>Smyrnium,</i>                       | Ell Sk |      |
| lanceolata,                          |         | April | rich lands.                              |        |      |
| damp pine barrens.                   |         |       | <i>integerrima</i> ,*                    |        |      |
| striata,                             | A       |       | rich high lands.                         |        |      |
| St. John's, Elliott.                 |         |       | <i>Zonia tetraphylla,</i>                | Mx     |      |
| villosa,                             | Wr      |       | sandy lands.                             |        |      |
| tricolor,                            |         |       | —  |        |      |
| { <i>Vilfa juncea,</i>               |         |       | FERNS.                                   |        |      |
| { <i>Agrostis,</i>                   | Ell Sk  |       |  |        |      |
| virginica,                           |         |       | <i>Aspidium acrostichoides,</i>          | Wild   | Aug  |
| + <i>Viscum verticillatum</i> ,      | L       | May   | rich swamps.                             |        |      |
| parasitic on oaks ge-                |         |       | <i>novaeboracense,</i>                   | W      | July |
| nerally.                             |         |       | rich woods.                              |        |      |
| <i>Vitis</i> , { <i>aestivalis</i> , | Mx      | June  | <i>lancastriense,</i>                    | Fid    | Gry  |
| { <i>labrusca</i> ,                  | Walt    |       | <i>Asplenium angustifolium</i> , swamps. | W      | July |
| along fences.                        |         |       | <i>felix foeminea,</i>                   |        |      |
| { <i>cordifolia</i> ,                | Mx      | June  | <i>ebeneum,</i>                          |        |      |
| { <i>vulpina</i> ,                   | Eat M   |       | dry soils.                               |        |      |
| dry soils.                           |         |       | <i>rhyzophyllum</i> ?                    |        |      |
| { <i>bipinnata</i> ,                 | T & G   |       | <i>Azolla caroliniana,</i>               |        |      |
| { <i>Cissus bipinnata</i>            | Ell Sk  | July  | <i>Botrychium fumaroides,</i>            | W      | June |
| damp soils, border of                |         |       | <i>obliquum</i> ,                        | FdGrPh |      |
| fields.                              |         |       | <i>Lycopodium albidulum.</i>             |        |      |
| <i>rotundifolia</i> ,                | Mx      | May   | <i>alopecuroides</i> ,                   |        |      |
| { <i>Wistaria frutescens</i> ,       | T & G!  | April | + <i>Osmunda regalis</i> ,               | Mx     | May  |
| { <i>Thrysanthes</i> ,               | Ell Sk  |       | swamps.                                  |        |      |
| rich damp soils, along               |         |       | <i>cinnamomea</i> ,                      | Mx     |      |
| streams.                             |         |       | damp soils.                              |        |      |
| + <i>Xanthium struma-</i>            | L       | Aug   | <i>Onoclea sensibilis</i> ,              | W      |      |
| rium, cult. fields.                  |         |       | <i>Polypodium hexago-</i>                | W      |      |
| <i>spinosum</i> , Nat.               | L       |       | <i>nopterum</i> ,                        |        |      |
| <i>Xyris flexuosa</i> ,              | Muhl    | July  | <i>in canum</i> ,                        |        |      |
| damp pine barrens.                   |         |       | parasitic on trees.                      |        |      |
| <i>junccea</i> ,                     | Bald    | Aug   | <i>Pteris caudata</i> ,                  | Fid    | Gry  |
| damp pine barrens.                   |         |       | <i>aquilina</i> !                        |        |      |
| <i>fimbriata</i> ,                   |         |       | pine land.                               |        |      |
| <i>Yucca</i> , { <i>alnifolia</i> ,  | Eat Man |       | <i>Woodwardia virginica</i>              | Fid    | Gry  |
| { <i>draconis</i> ,                  | Ell Sk  | July  | <i>onochleoides</i> ,                    | Fid    | Gry  |
| cultivated soils.                    |         |       |  |        |      |
| <i>Zapania nodiflora</i> ,           | Pursh   | Aug   |  |        |      |
| damp soils.                          |         |       |  |        |      |
| <i>Zea mays</i> ,                    |         |       |  |        |      |
| <i>Zigadenus glaberri-</i>           |         |       |  |        |      |
| <i>mus</i> .                         |         |       |  |        |      |

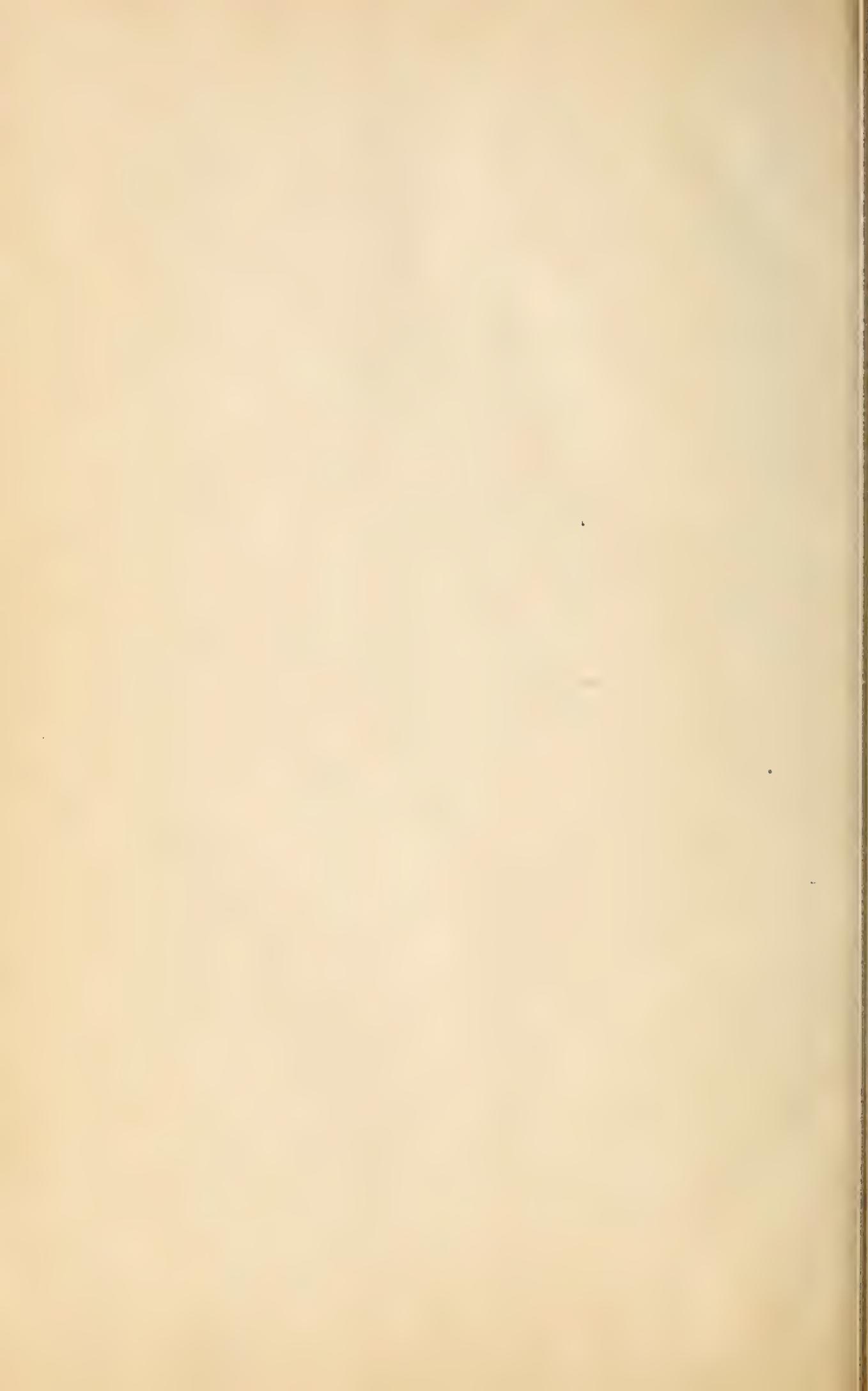
















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