Chapman — Recd. Sept. 24, 1828
Aud. May 24 1839.

Myrica obovata Ch. MS.
Clematis linearloba DC.? = ang. β.
~~Sch~~ Delph. tij. narrow
Carex polytr. no doubt —
Rumex — no fruit — puzzy
Ranunculus — seems to be new — of Carolina
Sabbatia gracilis Ch. MS — new to me
Evolv. sericeus? — seems to be Nuttall's plant
Salix — new to me — [illegible] Bedford
Rhexia ciliata" — yes
Polyg. Boykinii — "I cannot [illegible] P. buxifolia Ktto"?
It can indeed! —
Ludwigia Nabana, Ell
Ranunculus lanuginosus?" no such sp. in N. Am —
— Fallen near to me — no fruit — Send some
"Lobelia nudata? Chap. MS"
Chrysopsis oligantha " "
Nabalus Georgianus — fruit —
"Hypericum nudiflor. — counter vertige" nid. or fr.
"Cacalia — sp." — seems to be new
"Coreopsis sp. Bank of Spring Creek Ala." fragment
my sp. away.
Phlox reflexa Ker — you acknowl. I am right —
Chaet. Virg —
Trifolium nervosum Ell? — also from Boykin
The genus must be studied — agrees with Ell.
Clematis reticulata
Cancrinum Mexicanum
Camelia orbicularis Ch. MS. Increased Browne's B.
Nasturtium? with submerged leaves? notes B.
"Coreopsis pubescens Ell"
"Gaura — sp?" red leaves & branches —
Meyrophyllum verticill? yes.

Chapman, Recd. July 1838.
Aud. May 24 1839

Elesch [illegible] latifol.
Scleria · parvifl" =
— ciliat? "true Carolina?" —
differs some from ciliat
"Scl. sp? " very young sp.
Not S. digantha?
— [illegible]
— [illegible] gracilis. yes
— plumosa — yes
— [illegible] : discarded
— oligantha
— Elliottii
— maculata var"
— glom — S. nom.
— Cymosa" No. 4 —
— tabula" multifl?
same you sent before as
"S. multifl. as an indet. T.
[illegible]
Rottbell. cylind
Trip. " Mx?"
Isolepis coarctata — S. nom —
Eleocharis capi. — yes.
Cyp. strig? "
"Rhyn. microcarp.? This sp. has
perplexed me much — agrees with
Gray — except bristles too long
— filifolia Gr. in Torr. cyp. S. lab.
farcie? var?" mistake? cadmea? — R. Cadmea — yes — Same as "farcie? var?" "Chap."
R. farcie — yes —

"Carex lanuginosa" =
— flexuosa. "Stem with large spikes!
— Elliottii (No 6) yes —
— No. 7. Hitchcock. var.
Carex glaucescens, yes.
"C. No 5. n. sp. cf. verbena"
C. No 12. Pennsylv?" =
C. No 8. latifol. var? — yes —
C. no. 2. debilis var? "
" " 10 = Cannot differ C. sylv.
3. Schweinitzii: — 2-3 fl. sp. same from Nutt. fl. but sp. the same —
4 — young C. flexuosa Delis
" multileab." cephalophora
Carex stellulata S. nom
ovoc form

~~Cornelypofpunna~~

Isolepis stenophylla not quite" = Fimbrist. capreol. T.
"Panicum — not in Ell" don't kn.
Glyceria — Baldwinii!

TORREY, CONNECTICUT
HERBARIUM
COLUMBIA UNIVERSITY

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

50

Doctr. John Torrey
New York.

Rec'd. July 6th
Ans'd. July 2nd

Gadsden Co. Fla.
June 12. 1835

Dear Sir

Your favor of the 12th ult. containing information respecting our plants, and addressed to Dr. J. S. Alexander is now before me Dr. A. having returned to the North and the Science one which has employed a part of my time for several years I trust I shall be excused the liberty I have taken to answer some of your inquiries and to state further particulars respecting the plants of this luxuriant region I will endeavour to comply with your request & collect numerous specimens of those plants particularly designated in yours & together with such other as I have already or may collect during the summer and forward them to you

No. 22. – In woods & poor soils the ~~rays are~~ simple but along the margins of cultivated fields frequently two nearly five petalled

29. Several species in this vicinity ~~[illegible]~~ be in flower – I have a number of species of this genus in Washington (Wilkes Co. Ga.) together with most of the plants growing in that & Columbia Counties. Suspecting that some undescribed species are among my collections then I hope soon to be able to submit them to your inspection

33. I have observed no division in the "lowest leaves" of this plant in Fla. I have specimens however in Ga. with two small lateral segments

In order to conform to your wishes as much as possible and to notice any important particulars respecting any of the plants here I will subjoin a Catalogue of all those which I have noticed in flower since March 1st I take the first Vol. of Ell. and go through by course except in those cases in which I annex the name of the Author

TOWNSEND HARRIS HERBARIUM COLUMBIA UNIVERSITY

- Olea americana
- Chionanthus virginica
- Veronica peregrina
- Justicia humilis, ensiformis?
- Gratiola carolinensis (Th.) virginica (Th.) pilosa.
- Lindernia attenuata
- Micranthemum orbiculatum
- Pinguicula elatior, lutea, pusilla.
- Utricularia inflata, saccata, biflora? setacea
- Catalpa cordata (in river swamps)
- Salvia lyrata, azurea.
- Triphysaria corulea
- Commelina erecta, virginica.
- Sysma fluviatilis
- Ipnis flexuosa, brevifolia,
- Killingia pusila
- Cyperus – numerous but undetermined
- Mariscus echinatus
- Scirpus capillaceus, simplex, filiformis? tuberculatus
- Arundinaria macrosperma
- Paspalum ciliatifolium, praecox.
- Panicum – too numerous but I have passed them without examination
- Digitaria sanguinalis,
- Agrostis juncea
- Stipa avenacea
- Melica glabra
- Eleusine indica
- Monocera aromatica
- Proserpinica pectinata
- Mollugo verticillata
- Cephalanthus occidentalis
- Spermacoce diodina
- Diodia tetragona
- Houstonia rotundifolia
- Galium uniflorum, pilosum, circaezans,
- Mitchella repens
- Callicarpa americana
- Solyprenum procumbens
- Centunculla verna
- Cornus florida, stricta?, asperifolia
- Isnarda palustris (Lin.)
- Ludwigia peduncularis,
- Cuscuta americana
- Potamogeton heterophyllum?

Onosmodium hispidum
Villansia trachyspuma
Spigelia marilandica
Azalea nudiflora
Phlox maculata, aristata, pilosa amoena?
Convolvulus tenellus, pandurates, repens
Lobelia palida?
• Pinkneya pubens
Lonicera sempervirens
Verbascum thapsus
Datura stramonium
Physalis angulata, lanceolata,
Solanum nigrum, carolinense.
• Sabbatia angularis, calycosa
• Ceanothus americanus, microphyllus
Euonymus americanus
Itea virginica
• Cynilla racemiflora
Viola lanceolata, primulifolia, villosa, cucullata, palmata, hastata?
• Cissus hederacea
Gelseminum sempervirens
• Echites difformis
• Amsonia latifolia
Asclepias variegata, tomentosa, obtusifolia, amplexicaulis, parviflora, verticillata, cinerea, angustifolia, tuberosa.
• Podostigma pubescens (rare!)
• Gonolobus macrophyllus
Celtis occidentalis
• Dichondria carolinensis
• Eryngium plukenetii?
• Hydrocotyle interrupta, repanda.
Smyrnium aureum?
Rhus vernix, radicans, toxicodendron
Viburnum prunifolium, nudum, dentatum? obovatum.
Sambucus canadensis
• Sumera cistoides
Linum virginianum
Drosera rotundifolia
Tillansia usneoides
Tradescantia virginica (hoary!)
• Amaryllis atamasco
• Allium striatum, mutabile
Uvularia perfoliata, sessilifolia,
• Hypoxis erecta, filifolia.
Aletris farinosa, flava. aurea.
• Yucca filamentosa,
• Agave virginica.

Acorus calamus
Orontium aquaticum
Juncus setaceus, dichotomus, biflorus, aristatus? acuminatus.
• Helonias erythrosperma, angustifolia, dioica,
• Lobelia pubens.
Medeola virginica
Trillium sessile.
• Sabal pumila
• Chamaerops serulata, hystrix.
Sanurus cernuus
• Æsculus pavia
• Rhexia globella.
Oenothera linearis?
Zauna angustifolia
Polygonum nita, convolvulus,
• Laurus carolinensis, benzoin, geniculata, sassafras,
• Eriogonum tomentosum
• Baptisia lanceolata, alba, ~~arenaria~~ tinctoria/ broom, (vide Sillimans Journal)
Cercis canadensis
Cassia tora, nictitans
Monotropa uniflora,
• Kalmia latifolia, hirsuta?
• Andromeda nitida, axillaris, ligustrina, arborea, racemosa.
• Vaccinium myrsinites, arboreum, stamineum, dumosum, frondosum corymbosum, fuscatum?
• Styrax laeve.
• Halesia tetraptera, diptera.
• Mylocarium ligustrinum
• Hydrangea quercifolia
Spergula ~~arvensis~~ decumbens
Oxalis stricta
Phytolacca decandra
• Asarum arifolium?
• Decumaria sarmentosa
Portulacca oleracea
Agrimonia eupatoria.
• Prunus virginiana, hiemalis
• Cratægus parvifolia, crus-galli, apiifolia.
Aronia arbutifolia
Pyrus coronaria
Rosa parviflora
Rubus villosus, cuneifolius, occidentalis triflalis
Helianthemum carolinianum.
Nuphar advena
Lanacinia purpurea, flava, variolaris, psyttacina? (vide Sil. Journal)
Sanguinaria canadensis
• Asyrum crux Andreae, floridum (in lit.)
Hypericum parviflorum, angulosum? ~~polycarpum~~ simplex, maculatum, fasciculatum glaucum.
• Illicium floridanum (M.) parviflorum.
• Magnolia grandiflora, macrophylla, glauca, pyramidata? (Bartram)
Liriodendron tulipifera

TORREY BOTANICAL CLUB HERBARIUM COLUMBIA UNIVERSITY.

• Asimina parviflora, grandiflora?
• Clematis crispa
Ranunculus carolinianus?
Cyamus lutus
• Pycnanthemum aristatum?
Prunella vulgaris
Scutellaria integrifolia, pilosa
Verbena aubletia, urticifolia, carduiana
Bignonia capreolata, radicans.
• Ruellia strepens, oblongifolia, ciliosa?
• Buchnera americana
Antirrhinum canadense
Pedicularis canadensis
Pentstemon pubescens
• Schwalbea americana
Orobanche americana, uniflora.
• Sisyrinchium Bermudiana
Passiflora lutea, incarnata.
Schrankia uncinata
• Sida spinosa?
Malva carolinian[illegible]
• Hibiscus scabr.
• Gordonia lasianthus
• Stuartia virginica
• Hypericum tinctoria
• Nuttallia ———— ! (ornamental)
• Ptelostemon carneum, corymbosum.
• Polygala pubescens, polygama, incarnata, lutea, viridescens, corymbosa.
Amorpha fruticosa
• Erythrina herbacea
• Lupinus perennis, villosus.
• Crotalaria parviflora, ovalis.
• Psoralea canescens, lupinellus.
Trifolium reflexum
Stylosanthes elatior
• Lespedeza ———— ! flower very minute included in the calix - fil. scarcely united allied to L. procumbens
• Hedysarum viridiflorum?
• Vicia acutifolia.
Phaca villosa
• Glycine simplicifolia, tomentosa, erectaba
• Thysanthus sutiscens
• Galactia mollis, ———— ! such, 1 ft. high leaves ternate, oblong-lan, glaucous beneath, flowers in axil. fascicles, white, - calix 4 parted pedicels bi-bractea - Dry Soil
• Indigofera carolniana
Sophrosia virginiana, pancifolia
• Lactuca graminifolia
• Prenanthes aphylla (ornamental)
Krigia carolniana
Sparganophorus verticillatus
• Hymenopappus scabiosaeus
Pterocaulon pycnostachyum
Gnaphalium purpureum
Senecio tomentosus, obovatus, lobatus.
• Arnica nudicaulis.
• Chysopsis divaricata?
Aster obovatus
• Erigeron nudicaule, strigosum? philadelphicum, canadense.
• Tetragonotheca helianthoides

• Helianthus aristatus (now in flower)
• Coreopsis lanceolata, cordifolia,
• Rudbeckia fulgida
• Chaptalia integrifolia
• Silphium pumilum, asteriscus?
Nuttia textilis
• Pogonia ophioglossoides, divaricata, verticillata
• Calopogon pulchellus, graminifolia
Microstylis ophioglossoides (Nutt.)
• Epidendrum conopseum
Aristolochia serpentaria
Triphacum dactyloides
• Carex - (several species not examined)
• Scleria oligantha? gracilis,
• Fagia linearifolia, urens, urticifolia.
• Eriocaulon decangulare, graphalodes, villosum, glandulum?
Morus rubra
• Croton-opsis linearis
• Sagittaria sagittifolia, natans, graminea
• Juncus phallos, acutus, pumilus, virens aquatica, nigra, coccinea?, obtusiloba, alba, primus,
Fagus sylvatica
Castanea pumila
Betula nigra
Carpinus americana
Ostrya virginica
Platanus occidentalis,
Liquidamber styraciflua
Juglans nigra
Arum triphyllum
Pinus variabilis, palustris,
Cupressus disticha
Acalypha virginica
Jatropha stimulosa
Stillingia sylvatica, ligustrina
Euphorbia maculata, hypericifolia, gracilis? corollata.
Salix nigra
• Fraxinus pubescens, triptera? (in Lagoons fruit resembling Dioscorea)
Viscum verticillatum
• Ilex opaca, myrtifolia, primoides.
• Nyssa multiflora, capitata?
Vitis rotundifolia, aestivalis
Smilax hastata, laurifolia, pumila, pseudo-china, caduca? peduncularis.
Dioscorea villosa
• Prinos glaber, coriaceus
Populus angulata
Diospyros virginiana
• Hydrocharis spongiosa

Any inquiries respecting any of the above plants or any of our Southern species I shall take great pleasure in answering.

With sentiments of the greatest respect
I remain yours truly
A. W. Chapman

TORREY BOTANICAL CLUB HERBARIUM COLUMBIA UNIVERSITY

Dunn

Dr. John Torrey
New York City
Michigan

Nuttallia? ——— Plant hispid, Root tuberous - Stem ascending, simple, angled, Lower leaves on petioles 3-4 inches long, 3-parted lateral seg. 2-cleft, middle mostly entire, all acute, lanceolate-oblong. Upper ternate & digitate, seg. entire linear. Stip ovate. Peduncles axillary, very long, sub-fastigiate, jointed near the Cal. Calix double! Exterior 3-leaved, linear. Interior 5-partite, seg. ovate, acuminate. Corolla large, purple, resembling a poppy Petals 5, cuneiform, white & villous at base, fimbriate-dentate at the summit - Staminal Column not half the length of the petals. Stig. 10. Cap. numerous (15) united into a ring, 1-celled, 1-seeded

This plant was handed to me to-day by Mr. Shaw of Quincy & by him found near Fort Louis (Leon Co.) It does not resemble Bartons figure of the digitata (vide Flora N. Amer. by W.P.C. Barton)

Please inform me in your next

addenda
" Quincy Gadsden Co.
Middle Florida,"

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Recd. Augt. 14th 1835
Answd. Augt. 18th

Quincy Gadsden Co. Flo. Augt. 1st 1835

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dear Sir

Rev. Samuel Matthews, the bearer hereof, will hand you a few plants which I have found some difficulty in determining.

I had prepared a collection of plants, which I intended to have forwarded by the Brig "Tallahassee", but was unable to get them at St. Marks in season. The numbers on the labels will correspond to those which I now have labelled & numbered in the same manner —

I will endeavour to have the collection sent on by the next vessel that arrives at St. Marks — It will comprise, in all, between three & four hundred species, with several specimens of each, especially those which you particularly requested in your letter. In the present parcel, I send only those which are to me rare, or which I have been unable to determine — I meet with such every day —

No. 59 — I found this on the road between Tall. & Quincy along the borders of swamps & Ponds in the Pine barrens. I know not even its genus & I have now forgotten to which order it belongs — Interior leaves of the Calix Squamose

No 28 I have considered this a Galactia — the specimens exhibit the size of the plant — most of the flowers are abortive not climing — Hab. Pine Barrens

No. 55 Grows in wet Pine Barrens Flowers April & May

" 63 Hab. dry Pine Barrens — procumbent — not twining
Flowers June

" 101 and all the brotherhood I send you as I gather them
from the files — I have hardly been able satisfactorily
to determine one solitary species

17 Flowers June I found it on the banks of the Ocklocoonee
River

The Authors I use are Elliott's "Sketch" — Eaton 6th Edition
Torrey's Compendium & Barton's Flora Americana — Please
have reference to them in your reply

Very Respectfully
Yours
A. W. Chapman

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

P.S. I saw a young gentleman the other day who says
he has found the real Iyia coelestina of Bartram

Mr. Johnson

St. John Torrey,

New York City.

Rev. Saml. Matthews

Rec'd. Sept 23.

Ans'd. Oct. 9th

Quincy Fla. Sept. 10. 1835

FORMER CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Dear Sir

Your letters of July & August were duly received, & I need not assure you how much gratified I have been in learning your decisions on the plants which I sent on by the Revd. Mr. Matthews.— The fact, that I am now able to find an outlet to my collections, & to have all difficulties so satisfactorily removed, has given me fresh energy in my Botanical studies & will I trust prove advantageous to you.—

I have been imployed, during my leisure hours, in collecting plants for some five or six years; but until quite recently, I have had no definite object in view; hence my little Herbarium is rather ornamental than scientific; and I have suffered many fine opportunities to pass unimproved which, now, I sincerely regret. I resided during the year 1831 on Whitemarsh Island Ga. amidst a Paradise of flowers, with scarcely a solitary collection. I had paid no attention to the Gramineæ &c. until after the receipt of your letter to Dr. A. & I perceive by the return that my labels on those Orders were most sadly defective— with more experience I hope to be more correct.

It has been about a week since I forwarded the Box to St. Marks, intending it should go out in the "Somerset"

which is now probably at Sea. – I did not get your last in time to make any corrections, & I fear you will not be so much interested in them as in those which you have already examined. The Box contains 360 numbers, many of which are badly preserved & most if not all you have, probably, in your Herbarium.

TORREY CORRE
HERBA
COLUMBIA

I have now in prep several which are new to me, among which are Ludwigia capitata & sphaerocarpa. Selenia gracilis, very! in fruit, Habenaria Michauxii, Rottboellia myosa, (Nutt.) Aster discoideus. (Ell.) & a branchis, which I found the other day in the Pine woods near this place. Root concatenated tubers. Scape 2-3 ft. high, clothed with marcescent sheaths, supporting at the summit about six yellow flowers, which approach nearer the Liliaceae in structure than any plant of this Order that I have seen. Lip not different from the other petals. – Column thick. Leaves one or more, proceeding from the same tuber with the scape, but unconnected with it & surrounded at base by separate sheaths. Lanceolate, channelled. The Bracts, dilated at base, become towards their extremities almost filiform, of the length of the Germ & flower, & in one of my specimens (I have but two) the flowers are so compact, that they are united & surround two flowers. I have thought it might be the C. pauciflora of Jamaica referred to by Elliott II. p. 403. I have not seen the C. multiflora Ell. I am exceedingly interested in the plants of this family, & although I would not wish to dictate, if you should have the kindness to send me plants, either by Mr. Brown or via St. Marks, & should have any of those enumerated below to spare, I should receive them most thankfully. Orchis spect. obsol. virens. hyper. obtus. rotund. viridis. Habenaria integ. huron. bract. macrophyl. grandiflor. repens. Goodyera repens Listera convol. cord. pub. Arethusa bulb. Corallorhiza multiflora

Calypso am. bor. Aplectrum hyemalis. Malaxis lilii. Cypripedium cand. par. spect. arist. These I copy from Eaton (6. Ed.) I think I have those not mentioned. I have thought that the Orchis bidentata of Ell. & Habenaria herbiola (Brown) might be the same. The latter is not enumerated in Ell. nor ~~is it~~ has it the (S.) in Ea. Now I found a plant in Columbia Co. Ga., which resembles exactly specimens of H. herbiola which I collected in Mass. The following are the notes which I took at the time —

Root tuberous, with several carnose fibres, attached to the base of the stem. — Stem erect, angular, glabrous. Leaves sheathing, ovate-lanceolate, acute, many-nerved, carinate, upper bractiform. Spike rather loosely flowered — Germ curved, sulcate. Sepals of the exterior petals reflex., lanceolate, remaining ovate, vaulted. Lip 3-lobed. middle seg. oblong, obtuse, [illegible] rounded with a prominent tooth between. Hab. Wet soils — May — 1[illegible] Flowers greenish-yellow — Leaves 5-7

In your returns of all plants which I may from time to time transmit to you, you would confer a favour by placing, from among the Synonyms, that which has your preference first

I have now, Dear Sir, completed my collections of Spring & Summer plants, & I think it somewhat doubtful if I remain much longer in this Territory this season, to add to the list those which are peculiar to the Autumnal months. I shall attend a course of Med. Lect. at some of our Institutions the coming Winter, with the intention, however, of returning to Fla. as soon as those Lectures are completed — I receive with the liveliest emotions the compliment you have paid me, & rest assured, if my exertions shall have added one pleasure to your life, or shall have advanced, in any measure, the cause of the Science you have espoused, my reward will be secured & my happiness complete.

I remain, Dear Sir, as ever,

Yours &c. Alvan W. Chapman

P.S. I have not met with Mr. Brown's plant referred to in your last

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.
TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

QUINCY
Sept 19
P.O.

Prof. John Torrey,

New York City,

Recd. Nov 4th
Ans. Nov 6th

Quincy ~~Fla.~~ Oct. 22. 1835

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dear Sir,

I acknowledge the receipt of your letter of the 9th inst. by this days mail – I was wrongly informed respecting the vessel & was not aware of the error until about four weeks ago. I visited St. Marks, found the Box & put it on board the "Shamrock," if I rightly remember, which would sail in the course of two or three days & will probably arrive at New York before this letter reaches you. – I think it was the only vessel which would leave the port for some time, & if I am mistaken in the name of the Schooner, it would be advisable to notice the lists of arrivals in the papers. – I suspect now that the plant which I called a Branchia is the Bletia verecunda of Nutt. for a few days since I found two specimens of the B. multiflora, which are altogether different from the one above alluded to.

I found a little plant growing among the Sphagnum in a swamp near this village which appears to be undescribed, I called it the Stipulella nutans These are the Notes which I took,

Root fibrous – Stem erect, mostly simple, purple, very glabrous & shining, 4 – 6 in. high. Leaves merely alternate, subulate scales. Flowers on peduncles 6 – 8 lines long, lateral & terminal, solitary, nodding. Cor. campanulate white, marked internally with 9 purple lines, clothing the base at base, border 6 – cleft. intermediate seg. narrow, erect. Fil. 3. to the wide summits of which the 2 – lobed Anth. are attached, short, inserted into the tube of the Cor. Stig. 3. firmly adhering to the Anth. Capsule sub. globose, not winged,

3-called, 3-valved. Valves opening by transverse fissures near the base & turning upwards. Seeds oblong. — Flowers September —
In its appearance it differs so much from the T. cornuta & capitata both of which I have that perhaps it does not belong to this genus.

I have also an undescribed species of Stillingia which I found in the Ponds near St. Marks — It resembles the S. sylvatica somewhat, with smaller silvery seeds, 6 ft high, — Leaves exactly lanceolate — Duration herbaceous? In the bogs between Tallahassee & this place I met with a plant apparently belonging to the Scrophularieae with pinnatifid leaves & cylindrical, crimson flowers, I find no mention of it in the Books.

I conclude to remain here for the present & you can direct your letters as before — A Brother of Mr Croom arrived yesterday & he himself is expected soon — I shall be happy in his acquaintance since men of intelligence particularly so far as botany is concerned are rare commodities here — Dr. Alexander is now connected with the Medical Instn at Pittsfield Mass. — does not expect to return South Perhaps he will settle in Ohio or some other Western State.

I will just give a list of the plants which I have met with since I forwarded the Box by way of "reporting progress"

Gratiola acuminata (Mx.)	Erianthus alopec.	Dichromena leucophala
Utricularia bipartita? Ell.	" strictus Bald.	" latifolia Bald.
Lycopus angustifol. Ell.	Triptilella cornuta	Eriocaulon tribuloides
Salvia ——— 6 ft high	" capitata Ell.	Aulaxanthus ciliatus Ell.
resembles S. urticifol.	Rhynchospora longiros.	" rufus Ell.
" azurea fl. white	Cyperus virens Mx.	Lamium hirtellum Mx.
Collinsonia anisata	" " gracilis M.	" gibbum Ell.
" canadensis?	" speciosus Pk.	" amplexicaule Mx
	Scirpus stenophyll Ell.	" debile Ell.

Digitaria sanguin.
" filiformis
Agrostis trichopodes Ell.
" clandestina M.
Aristida ~~spicata~~ spicata, Mx ~~Ell.~~
" gracilis Ell.
" lanosa M.
Andropogon ciliatus Ell.
" nutans
" scoparius Mx
Tricuspis sep.
Eleusine indica
mucronata
cuneiata
Rottboella rugosa Nut.
Hedyotis glomerata
Ludwigia palustris
" cylindrica Ell
" macrocarpa Mx
" mollis Mx.
" sphaerocarpa Ell
" capitata Mx.
" pedunculosa Mx
" linearis Mr.
" virgata Mx
" pilosa Mr.
" macrocarpa Mx.
" decurrens Mr.
Ammannia cumosia
Sabbatia paniculata Mx.
" gracilis? Mx.
Eryngium ovalifol. Mx.
" aquaticum?
" virginianum? Pers.
" pluriceps
" pluriceps
Sium denticulatum Balb.
Daucus carota Mx.

Andromeda ——
not yet in flower
Hypericum virginicum Mx
" petiolatum Mr.
Cyanus lutus
Trichium canadense
Ceranthera linearifol.
Zapania nodiflora
Gratiola aphylla
" purpurea
" tenuifolia
" linifolia
Scymnia tenuifol. Pl.
Meoma cuneifol.? M.
Sida rhombifol.
Polygala setacea
Stylosanthes angulosa
Liatris spicata Willd.
" macrostachya Mx
" tenuifol. Nutt
" pilosa Sp. pl.?
" dubia Bart.
" secunda Ell.?
" elegans
" scariosa
" paniculata M.
" odoratissima M.
Bacchilia cordifol.
Physocarpa radata
Polypteris integrifol.
Chrysopsis trichophylla
" gossypina?
Conopsis trichosperma?
" gladiata

I found a species of Habenaria a few days since growing in Bogs which appears to differ from all our descriptions species – spike long & slender, flowers small, green, spur acting as the germ, lip 3 – toothed at the apex, with a prominent tooth at the palate. I did not notice if there [illegible] lateral lobes at the base. I was obliged to carry the spec. two days in my saddle-bags they are so much injured that I cannot now determine. I have on hand quite a number of plants which have perplexed me much. I enclose a specimen of the Lipparella described in this letter.

Yours truly
Alvan W. Chapman

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

QUINCY
Oct 24
F.L.C.

25—

Prof. Jno. Torrey.
New York City

Ans. Dec. 12th.

Quincy Nov. 30, 1835

Dear Sir,

I am reminded by a perusal of your favour of the 6th inst., how ignorant I am of the improvements which are making every day in our Science; & I write thus early to ascertain what can be done to remedy this deficiency. If it would not trouble you too much, I desire you to grant me some information respecting the Botanical publications of the day. When I left the North, your little "Compendium" was the last publication; to whatever has been done since, with the exception of "Eaton's Manual", I am a stranger. You need not be told that I am living in one of the "ends" of the world, where few Books grow; indeed it has been something like five years since I have acquired a new idea. You refer frequently to the "Journ. Acad. Sc. of Philadelphia". What are the terms of Subscription? & how often issued? & the probable price of the Back Numbers? Another work is that of the "Lyceum of Nat. Hist." New York". please give me like particulars respecting this. My friend, Dr. Davidson, is about subscribing for "Sill. Journ." Any information respecting Bot. Works which you think would be serviceable to me would be gratefully received. All my knowledge of the Nat. Ord. I obtained from Eatons last. Edition I should be glad of any pamphlets etc, which can be conveniently forwarded by mail. Any late work on the Genera would greatly assist me. If I can get Books I intend to study the Zoology & Entomology of this region - Can you recommend any works? This is most certainly a remarkable field for a Naturalist.

Mr. Brown, I am happy to state, is now in the Territory. I was favoured with a call the other day & he left with me some specimens for ex —

amination, which he picked up on his way to this place & since he arrived viz A plant which we considered at first a species of Opelothecа, but which, after a careful examination, I believe to be an undescribed species of Iresine, with lance-linear leaves — a second, which perhaps is Achyranthes aspera Ell. a third Sycium n. sp.? (brown) armed.! fourth a branch of Phlox subulata, found near Columbia So. Car. fifth Baltonia glastifol. sixth Desurium pedunculatum. seventh Pityanthus barbulata. He also brought from Aspalagus a large branch & the fruit of his Saxus, your Podocarpus.
The Drupe is oval about the size of a nutmeg.

In looking over the result of your examination of those plants I sent to you, then are a few facts which I wish to make in addition.

Chrysosplenium trifolium (Lip.) I observe in the specific description "leaves of the root pinnate". I have often met with this plant in Ga. & here it quite abundant the "leaves of the root" have always occurred to me, either simple or trifoliate never pinnate. In most specimens the upper & lower are simple while the middle are trifoliate. Respecting the Genus Sabbatia so far as my observations have extended, the comparative lengths of the calix would afford very variable specific characters. Flowers on the same plant frequently vary considerably in this respect. Those Numbers which you omitted to mention I conclude were labelled ~~right~~ correctly.

I wish you could give me some directions how to pack living plants which are designed for transportation; as also how to press some of our succulent or showy species. It seems to indicate a small share of ingenuity to send off plants as I did the Erythrina herb. & still I have never seen one pressed better. & what is to be done with our Magnolia grandiflora?

I have made no recent discoveries having been somewhat indispose for a few weeks past — I have not met with any species of the Genus you mention; are they not shrub plants?

My Scrophularian plant, methinks, cannot be a Pentstemon. I will describe it as well as my poor specimen will enable me

Plant about 3. ft. high. Stem quadrangular, angles obtuse, pubescent, branching. Leaves opposite, petiolate, pinnatifid (lacinate?) at base, coarsely dentate towards the apex, acute. Seg. multiform, mostly dentate, & obliquely ovate. (falcate!) The outline of the entire leaf is ovate-lanceolate in the lower leaves & oval in the upper. Flowers in terminal racemes. Peduncles opposite 9-12 lines long assurgent, (chandelierform!!) Calix five-cleft, Seg. linear, 2-3 times as long as the tube. Cor. cylindrical, 3-times as long as the calix, equally 5-cleft, seg. acute. Fil 4. equal, exert. pub. twice the length of the Cor. Anth. erect. oblong. Cap. ovate, crowned with the long filiform style

This specimen has but one flower & I will not trouble it but leave it for your inspection. It may not be uninteresting to state that I found it at the identical spot where Nuttall found the Sarracenia psytt. according to Mr. Brown. Hab. Rocks flowers Sept. The plant has some resemblance to a Pentstemon but differs from any described species. The Capsules are those of the yellow flowering Gerardiae I will try to sketch a leaf & Peduncle in this letter I will send it in my next collection & I will hope to find another next year although it is & has been for some time past very warm yet there are very few plants in bloom in consequence of a frost which we had about the first of Oct. Do you ever hear from our dear Prof. Hitchcock in the Bot. line? or have Turky-tracks wholly attracted his attention?

In my description of Aletris setacea I was induced to apply the phrase to "firmly adhering" because, when I dissected a flower, I found an anther so firmly sticking to each of the Stig. that the fil. was frequently detached from the Cor. rather than give up its hold on the Stig.

LIBRARY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

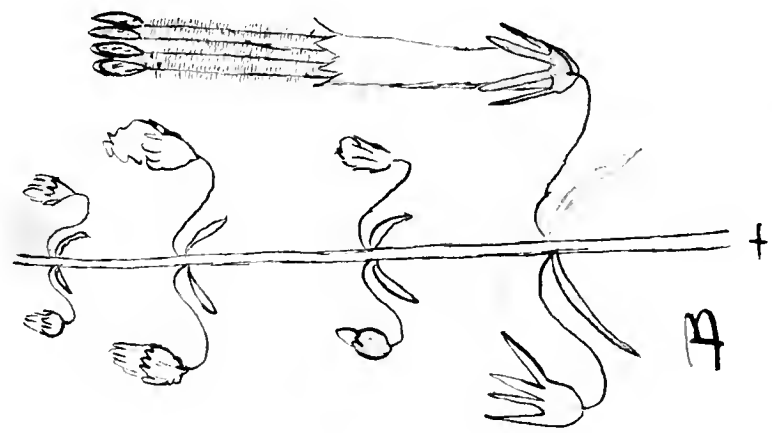
Hoping soon to receive an answer to my inquiries,

Remain, Dear Sir

Sincerely Yours, Alvan W. Chapman

A. Outline of a leaf taken from the middle of the stem - those lower more pinnatifid & those upper lip.

B. A Section near the summit of the racemes, with a flower as it stands on the specimen



TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Nov 21

Prof. John Torrey
New York City

Is Rhyncospora miliacea (Gray, identical with R. sparsa (Ell)?
I inclose Utricularia bifartita (Ell.) it resembles U. cornuta which I found in Mass. but smaller. — broom gave me U. personata

Rec'd. May 28th
Ans. verbally

Quincy Fla. Feb. 21. 1836

HERBARIUM

Dear Sir,

I have defended an answer to your interesting letter of Dec. last, hoping to receive the package which you were about sending, & to inform you of its arrival. It has not yet come to hand, and the Box of Plants which I promised you long ago, being ready for transportation, I conclude to write you a few lines in anticipation of what I shall say in a future letter. I do not intend to burden you with my letters, except at such times as appear absolutely necessary. I have packed upward of two hundred different species of Southern Plants, some of which I am confident, are undescribed in our Flora and will prove interesting to you. - To these, disregarding the present specific names, unless they appear well chosen, you can substitute such as you may consider more applicable.

The numbers which you find on the labels are made to correspond with those on the list; which I placed between the loose papers on the top.

I am quite anxious that you should particularly notice all the Panicum which I have put up, and get me a return as soon as your other duties will permit, in order that I may have them as samples early in the coming Spring.

The species of this Genus are very numerous here and will soon be in flower. Indeed some of them are already. I begin to be quite interested in the grasses & I am well assured, that Dr. Grays Monograph will aid me very much. Please return him my sincere acknowledgements for the copy he placed in your hands for me.- I should do this personally if I knew where a letter could find him.

I am also under great obligations to Mr. Carey for the excellent work of Lindley. Ask him if I can oblige him in any way.. I have ~~[illegible]~~ copy of the work in possession of Mr. Croom.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

The Genus Smilax is ~~in~~ such a state of confusion that I have determined to write minute descriptions of all the species, growing in this region (& they are numerous) & transmit them to you for publication in the Annals of your Lyceum, if you should think them of sufficient importance, if not, for your own private use. I have thus far examined the fruit & the plants as they appear in the winter, & I shall have them prepared by the coming fall. I had almost forgotten to state, that, accompanying the Box of Plants, will be found a smaller Box, containing such Bugs, Moths, Butterflies, Lizards &c. as I have picked up during my residence in the Territory. Whatever they may prove to be, I know not; that matter must be left with your wise ones.— They are designed for the Lyceum.

The length of the Antennae of that insect in one of the Vials I should consider uncommon, & the foreign substances, attached to the ~~Larva~~ in the other, appear to be the cones of a small species of Moth. Is it unusual?

My observations on the dried plants of Aplenia setacea accord with yours.— I can observe no close connexion of the Anth. with the Stig. I will notice this plant this year and see if I was not mistaken.— I think I am right however, as I examined quite a number in a green state.

You have frequently expressed a wish to send me some Northern Plants— I should rejoice to receive any plants which you can part with, & they can easily find me, directed to the care of E. W. Dorsey Wilmington or you can leave them with Oakford & Whitcomb. Front St. & they will forward them. The Boxes which I am about sending are directed to their care.

Hoping to hear from you soon

I remain Dear Sir

Yours sincerely

Alvan W. Chapman

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

[Schr. Warsaw — Magnolia, Wilm. Crown — care of J. & N. Hamlin —]

Dr. John Torrey

New York City

Favored by
Mr. Wilder

Recd. April 2d
Ans. Apr. 10th

Quincy Florida March 14th 1837

HERBARIUM
COLUMBIA UNIVERSITY

My dear Sir,

Perhaps you may be led to conclude from my long silence, that I have wholly forgotten you and your favorite Science. I am induced to write you at this time, to convince you, that, although I have been seemingly inactive for some months past, I have not been so in reality.

Since I had the pleasure of perusing your letter of the 3d Nov. last, that of the 22d July has been forwarded from Winchester. In it you ask which of the plants, I had the pleasure of handing you on my visit to the North, were collected at Apalachicola. They were the following Calopogon – with white flowers, Rhynchospora plumosa & megalocarpa, Antirrhinum – Coreopsis mudata, Euphorbia inundata, Asclepias angustifolia, Drosera longifolia? & filiformis, Sarracenia sp. Andromeda mariana & rigida (which by an oversight you called A. axillaris) Kitthia sp. Arenaria diffusa, Silene antirrhina, & Polygala. ~~Seat~~ setacea.

I am truly sorry that I have not the flowers of the New tree to send you at present, but I will hope to obtain a quantity this season. Some ripe fruit was obtained last summer by my friend Dr. Davidson; but, as broom must stand its Godfather, they were handed over to him. All the nuts which I have seen, presented that same shriveled appearance of which you speak. I am told by one who has frequently been in the Indian country, & who is well acquainted with the Aspalaga tree, that he saw several trees about 40 miles beyond the Suannee river. It is said, perhaps incorrectly, that it is found between Tallahassee and the Gulf, near the town of Magnolia. In consequence of its strong and peculiar odour, it has obtained among the country people the modest name of "stinking cedar". It makes excellent rails and is not liable to the attack of worms. This last fact I think highly probable: since a similar circumstance is stated respecting the Red ~~Cedar~~ cedar & the Cedar of Lebanon. The appearance of the tree at a distance is not unlike the Pinus Canadensis. If I rightly remember its branches are verticillate in threes, and these again are universally divided trichotomously. Whether, in other respects, it shall appear to have a predilection for this odd numeral, further investigation must decide.

There is another novelty among the cliffs at Aspalaga, at the other end of scale.

I observed the other day a singular looking fern which I cannot reconcile with the description of any of our species. My specimens however are imperfect, being destitute of Sori; but their form is unusual. You will find a specimen accompanying this letter. I do not suppose that any thing definite can yet be said of it, unless you are acquainted with the plant from other sources. I have most of the Ferns of this country but nothing which resembles this. The Viola Muhlenbergii, although not included by Elliott among Southern plants, grows also at Aspalaga — indeed there seems to be a little of every thing that is new or interesting around that favored spot. It is most certainly the most romantic region that I have met with on this side of the Potomac.

COLUMBIA UNIVERSITY.

I have collected several specimens of that Gentian which Mr Brown noticed in Sill. Journ. I think he there expresses an opinion that it may be identical with G. alba Muhl.; a description of which I have never seen. If it is not a variety of G. angustifolia it certainly is very near that species. It is found about twelve miles from this village in wet pine wood, on the road to Aspalaga, in flower in January. Like the G. fimbriata, the divisions of the corolla are reflexed during the day & differs in this respect from most of the other species, and is in fine a neat little plant. I also picked up a species of Andromeda on the banks of the Okelockony (Oke-lock-ny) which I think must be the A. rhomboidalis & if so, is the most beautiful of all our species. The leaves on the branches are small, very numerous, and sub-imbricate — flowers in axillary clusters or in very short racemes, very numerous. When I saw it, the capsules were open and the seed dispersed. A rather unusual circumstance for this genus is found in this plant. The replum is entirely separated from the valves, and gives the capsules the appearance of being 10-valved. I see this fact in no other species.

As soon as I shall have collected a sufficient number of new or rare plants to make a package I will send it on.

If the Monog. Cyp. is completed, I am anxious to be in possession of a copy, and I think, if it were thoroughly enveloped, it might safely be forwarded by mail. It will complete the third volume if I remember. I am favored with the previous numbers.

Dr Gray, it appears, has received the appointment of Naturalist to the contemplated expedition, and will soon be called to his post. He ought to under existing circumstances to have made the application. He would do more good at home & if he is really anxious to make discoveries, let him buckle on his knapsack & make the tour of Florida.

Please present him my best wishes for his health and safety, with the hope that he may return to his friends and country laden with discoveries & crowned with honors.

If it would not be too much trouble to copy the result of your examination of the last parcel of plants, which I forwarded previous to my leaving the Territory, I should be glad to see it. I believe you were nearly through when I last saw you.

What shall we do with the Catalogue? I have made out a list of all the plants which I have seen in the Territory and they amount to about 800. Brown will add many more, but perhaps we ought to defer its publication for some time to come. I believe that there still remains, at least, one quarter more to be sought out. There is a company of planters ready to start for the Indian country immediately ~~on~~ after the cessation of hostilities, and I think I shall attach myself to them; indeed I can hardly wish for a more favorable opportunity. They will [illegible] their journey, at least, as far as Tampa Bay and perhaps still farther.

In the hope of hearing from you soon I remain

Truly Yours

Alvan W. Chapman

TORREY BOTANICAL CLUB
HERBARIUM
COLUMBIA UNIVERSITY

P.S. Mr Brown is now removing his family to Charleston, and I am not sure that he intends revisiting the Territory this season.

A.W.C.

Quincy Hall
Mar 15

25

Dr. John Torrey

New-York City

Recd. July 17th
Answ. July 24th

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

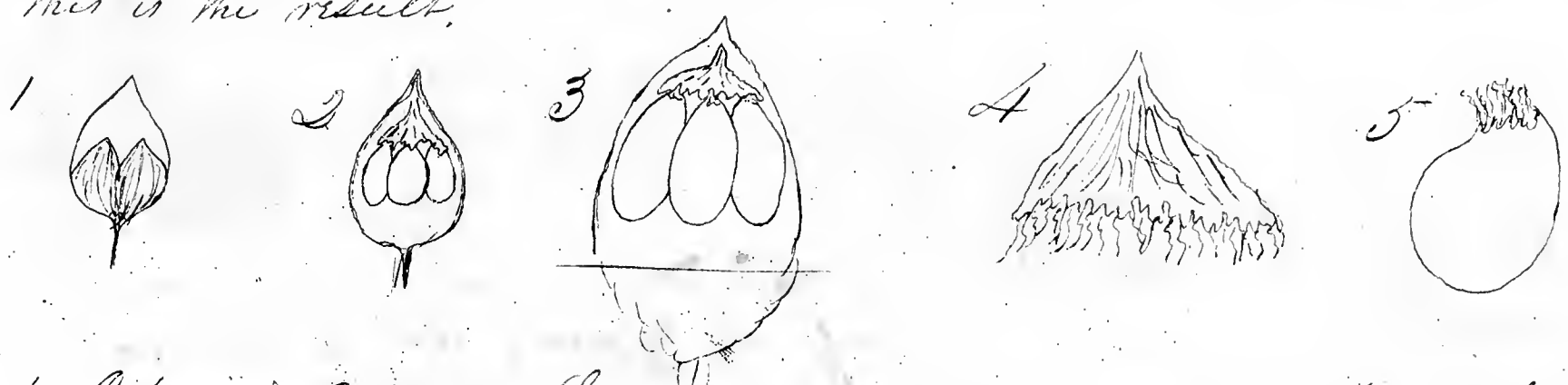
Quincy June 19th 1839

Dear Sir,

I received your letter of the 5th inst this day, and since I find you in such urgent pains accompanied with symptoms so alarming, I hasten to afford you what relief I am able, with a sincere desire that you may meet with a speedy & safe delivery.

While at Aspalaga some time ago, I found the Croomia somewhat more advanced than I had before seen it and gathered a few specimens of it. I will send you the best I have.

I have just examined one of the more immature capsules and this is the result.



1, Capsule & Calix 2. Longitudinal section, representing 3 of the 5?? seeds hanging from the placenta, which last, is attached to the capsule at, or near, the ~~the~~ termination of its 3?- valves — 3. Same enlarged
4, Triangular Placenta with its basal fimbriae
5, ~~Ovary~~ Ovulum

I am not quite sure that I am correct in all these particulars — the weather is quite cloudy, & my glass does not exhibit the minute parts sufficiently plain. The Capsule, too, which I examined was quite small. But there is one before me which is much larger & I think under your hand it will enable you to find out all that is necessary. I will try to get more of the fruit.

Soon after Mr Croom left for the north, I examined some of the specimens which we gathered at Mt. Vernon for the purpose of ascertaining to which of the two divisions it belongs. My knowledge of Vegetable Physiology is so limited that I could not decide, but I see nothing in the roots (the stem has every appearance of belonging to the Endog.)

which would incline it to the Exogenea. Indeed, the small fibers of the Cane (Arundinaria) presented the same appearance.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

The fern which I sent you is a species of Pteris, an. I, since the frond is not always thrupanted, I begin to fear the P. bedata Willd. Can it be that? In similar situations with this I found another fern which appears to be a new Adiantum.

I have made a number of discoveries lately in West Florida, along the banks of the Apalachicola River – the most interesting, perhaps, is a new Spigelia with pink flowers. But I mentioned them all in a letter to Mr. Brown directed to your care. Micheaux's Inpsacum cylindricum is probably brought out – I found a grass, which does not disagree with the description of that species, in and around the old Indian Towns on the high ridges west of the River. It is as Elliott suspected a species of Rottbollia. The Chapmania is springing up in the low grounds and I expect it to be in flower in July or August. But I will say no more about it now, but will astonish you all with a singular and beautiful plant. Your Hypoponum Baldwinii is very abundant there. I wish Dr Gray could overhaul my bundle of Rhynchosporas. I think I have some new species in it, unless the length of the bristles is a variable character. I have identified most of the Southern species and there are still others which I cannot make out.

I have four tall species of Carex, two of which must be new, and perhaps all of them. One of them is quite handsome and I found it only two days ago on the summit of one of our most barren sand-hills. Spikes four, rather large, terminal one androgynous, fruit densely pubescent Style 3-cleft. I can add also a second species to Nuttalls Pitcheria. As something is expected from corresponding members of the Lyceum, I purpose to make out a notice of our plants, and if I can find new ones enough to make an article of suitable length I will send it on. I have a very good opportunity now to find new things as my professional calls are frequently from twenty to fifty miles distant

But I can do but little about the field, the season is so intensely hot. Our thermometer has been lingering around 100° in the shade for nearly three weeks.

I found the Euphorbia inundata, or a similar species, abundant in wet pine woods of West Florida, and that, with another on our sand hills, appears to be diœcous. Is this fact common to this genus? I hope to send you specimens of these plants soon in a parcel which I am making up for Mr Carey.

Did Mr Groom send you any plants from the collection of Dr Curtis from the Keys? Mr Groom suggested that a Chapmania might be found among his plants, but I demur, — give me the pleasure of making the discovery or let my illustrious name go down "unhonored & unsung." I find no difficulty in finding species — Since my return from the North I have met with the following pretty new plants: Asclepias tenuifolia (sp. n.) Salvia bractiata sp. n. Baptisia arcocarpa sp. n. Pteris longifolia sp. n. Adiantum bipinnatum sp. n. Spigelia Londana sp. n. Chrysopsis pauciflora sp. nov. Rudbeckia lineariflora sp. n. Rudbeckia tuberosa sp. n. Euphorbia sp. n.? Carex 4 species Podostigma viridis Ell ~~Spiraea~~ sp.? Pitcheria virgata sp. n. Rottbollia cylindrica Rochelia? Spiraea sp.?

The Monograph Cyp. came safe and its contents have edified me much. When I asked for a copy, it was not expected that you would furnish me gratuitously — I supposed it would complete the third Vol. of the Ann. with the former numbers of which I am provided. But it will answer although a general Index is wanting. I am already responsible to you personally, and also to the Lyceum, for sundry items which remain unpaid.

If Mr Saml T. Carey is with you will you please inform him that the collection which I promised him is nearly made up, and will soon be forwarded to New York. Some sweet bits will be enclosed for yourself.

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

With love for all the Brethren I remain,

Truly Yours,

A W Chapman

To, Dr. John Torrey,

Dec 21 New York City.

Rec'd Jany 2nd
Ans'd Feby 2nd

Marianna (W. Fla.) Dec. 16. 1837

TORREY BOTANICAL CLUB
HERBARIUM
COLUMBIA UNIVERSITY.

Dear Sir,

I regret to learn by your letter of Oct that my long silence has so much disappointed you. Soon after the date of my last letter, I removed to this country which has proved to be an unfortunate move for me. I was immediately taken ill with a severe attack of the Intermit. Fever, and at this time, after the lapse of nearly three months, my health is sufficiently restored to enable me to ride abroad — This must be my apology for neglecting you so long.

I visited Aspalaga about the first of Sept.; and after ranging up and down the cliffs, and turning up hundreds of plants, and brushing away the leaves under them, I could not procure a solitary capsule of the Bonnia

The mature fruit must be exceeding rare and found, I suspect, about the last of June. I am truly sorry that you will have still to defer your paper or publish with what materials you have. I found the fruit of the Torreya in great abundance and of full size, covered with a glaucous coating. The nut is quite juicy. I did not preserve any in alcohol but dried them in the shade. I found along the banks of the river a grape-looking

vine with a grape-looking nut, which I will send you. It does not well agree in its characters with Menispermum, but I suspect it is one. Who would expect to find there Aristolochia tomentosa or Spiraea ~~opu~~lifolia? The plant which I have been watching so carefully as the future Chapmania turns out to be a Parnassia. — curious thing — My Sept. visit added many species to the Catalogue, such as Campanula Amer. Mimulus alatus & singular Lobelia Card. Orchis viridis Ph.!! — a little bit of a thing, with a scriptiform spur, Marshallia angust. Liatris sp.? Diplopappus n. sp., Zornia Baldwinia multiflora &c. I also procured excellent specimens of the two new ferns. I am perplexed about the Catalogue. I am aware that it is imperfect, and that in its present state it does not contain a perfect list of the plants of Gadsden Co., but I am reminded by the melancholy fate of my excellent friend, that what is to be accomplished in this way must be done speedily. Its publication was the part Mr Croom had taken upon himself, and it is a part for which I am not prepared. It is not suitable for an Article in the Journals unless perhaps I introduce, in connexion, a description of a number of new Florida plants which I have already prepared. On the whole I think it advisable to print it at Tallahassee. Your advice on this subject is desired. You are preparing, I think, a paper on some new American Genera & species. I wish in your next you would state what Florida plants you have described in order

HERBARIUM COLUMBIA UNIVERSITY

that we may not get hold of the same species.

An article of nearly a hundred pages might be made out of the materials in my Herbarium, but I must content myself with an account of about twenty new species with ~~an account~~ as many rare things as will make an Article of decent length. I have not the list here but as near as I can recollect they are the following — Baptisia, Gratiola, Carex, Pitcheria, Adiantum, Pteris, ... Chrysopsis, Coreopsis, Helianthus, Rudbeckia, Asclepias, 2 or 3 Rhynchospora, Polygala, Polygonum, Phaseolus? Liatris? Juncus. Spiglelia &c.

All these, and many more, I shall send you for determination, I am confident with regard to most of them, but the Carices, Rhynchos. Phaseolus & Liatris are doubtful plants. If the comparative length of the Bristles in Rhynchosp. is not a rare character, I have quite a number that need careful examination.

Mr Cooper, with yourself, may expect some boxes of living plants soon.

I remain as ever

Very respectfully Yours,

A.W. Chapman.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

P.S. Dr Gray's Paper on the Melanthaceae has not yet reached me.

Address "Marianna, Jackson Co. West Florida"

DEC

25

Dr. John Torrey,

New York City,

Mail

(N.Y.

I have broken the seal in order to inform you of the reception of your letter of Feb 3d. The two Cats. came safely to hand and one was forwarded to Mr. C. as directed. I am much your debtor for your kind promises to assist me in preparing my Catalogue. My Pitcheria is 3 ft. high, very pubes. lower leaflets oval, about one in long. Petals 6-9 lines long. Fl. yellow, in short pubes. divisions of the calix very slender, more than half the length of the Cor. Legume oval, mucronate. So it can hardly be yours.

Do you think it advisable to call it a Cat. of Middle Fla. I have not explored a tenth of the country included in Mid. Fla, the [illegible] and coast of this county I have never visited.

Tallahassee Feby 26. 1888

GRAY HERBARIUM HARVARD UNIVERSITY. COLUMBIA UNIVERSITY.

My dear Sir,

Rec'd March 24th.

On my return to this place a few days ago, your letter of November ult. was handed me, & I find in it certain instructions which serve to explain what ~~had~~ was doubtful in letters of more recent date. The Post Master forwarded the Catalogues to Marianna, but retained the letter.

I think I informed you in a former letter that the ripe fruit of the Croonia remains to be obtained. I the more regret this as my opportunities for obtaining it are not as frequent now, as when I resided in this place. But I will endeavour, by all means, not to let another season slip by, without a strong effort to secure the great desideratum.

With regard to the expenditures of our late friend, Mr. Crow, a letter, addressed to "Bryan Broom Esqr. at this place, or to Rocky Comfort P.O., will reach him in due time. I saw him a day or two since & would have submitted to him that part of your letter which relates to him, had the amount of your personal demands been stated; since I have no doubt he would have defrayed the expenses of his late brother promptly. I am informed that he becomes administrator on the estate.

My time has been principally occupied since my return & whenever my health would permit, in making selections for my correspondents. Your package will not be large, but, I trust you will find some "good things" in it. After your decision has been received respecting those plants which I

I do not know that my health will admit of my sending you living plants, and but if possible I will send a box. The plants of C. sent were not holy packed - the swamp maple is indispensable.

have supposed new or doubtful, I will endeavour to prepare an account of them. I would not willingly be guilty of adding synonyms to the already numerous list, nor of describing plants already described by others. And if I sin against the rules of Botanical etiquette, I trust you will overlook it as one of ignorance. In skilful hand, I have in my collections the material for a long and interesting article, but what will be made of them in my own, the future must determine.

The new Baptisia is a splendid thing & is remarkable for retaining its natural colours when prepared for the Herbarium. The plant, which I have doubtingly called a Gratiola, may, if the form of the Corolla is a character of value, belong to some other Genus. It is a true Gratiola, in my judgment, in every particular except in the flowers. The fact of its becoming black in the process of drying led one to compare it with Buchnera; which, in its Calix, it does not agree. The Rudbeck, I fear, is Nuttall's R. atrorubens although he speaks of his plant as being remarkable for its "singular smoothness". The Helianthus must be a good species & so must the Asclepias. The Siphrosia must be added to the list. Nuttall has a species without racemes, but this cannot be his.

Mr. Croom must have been mistaken, I think, respecting Michaux's Lipsacum cylind. The latter Botanist fixes the habitat of his plant on the "Sandhills of Fla", precisely in situations in which I found my plant; while Mr. C.'s specimens grow in "Wet pine barrens" (vide Cat. pl. New Bern & Ell. II. p. 534) A singular Liatris — new?

These plants were collected in West Florida, along the Apalachicola or the west Bank. I was called last May to perform an amputation near Tennessee Bluff, some 80–100 miles distant. Crossing the river at Aspalaga, I was conducted along an old Indian "trail" through "bogs & fens & moors" to the place of destination. But I was amply rewarded by the discovery of so many new & rare "things. Besides those already mentioned, I met with the following (to me) rare plants. Rhynchosp. digynia, Hypoxis Bald., et gracilis, Spiphia sp., Coreopsis angustifol. Asclepias connivens, Sabbatia parviflora, Chap. of which I regret I have not two specimens Spiræa spulifol.? Parnassia Car, Polygala Bald. et Boykinii, Eustrulus sp. Anatherix viridis, Nutt. & Ulmispermum Lyoni? H.C. But the plant, which in your package is, with hesitation, labeled a Myricw is, perhaps, the most interesting of all, since it may prove to be a new Genus. It is a small tree, 12–15 ft. high, with smooth whitish bark much branched, with perennial leaves growing only at the extremities of the branches. There was a something among the leaves which had the appearance of dried aments — but in this I may be deceived.

I truly regret the probability that I shall never revisit that spot again, since the plant grows far from this place toward the Gulf.

I received yesterday a note from Count de Castelnau, Fr. Tallahas. enclosing your letter. I fear I shall not have the pleasure of making his acquaintance, as he informs me that he is about leaving the Territory. But it is consoling to learn that while our scientific friends die so frequently around us, others are willing to come & fill their places. Croom, Loomis & Leitner are gone; & I am candid to confess, that a few weeks ago, I was looking forward with no small anxiety to the near approach of that day, when I should be called to follow them. But having gained sufficient strength to return to the pure water & good society of Quincy, under Providence, I am rapidly being restored to my former health. My avarice prompts me to make one more trial of W. Fla. and if my health again suffers I leave it to these more avaricious.

What a harvest Nuttall gathered — 1200 m. species! If it flattering to me so much honoring and regard for Nuttall's memory, but I fear I shall not find in you a Keep but a few of the plants before me and but few supposed (see below) our greatest Botanist! You will find in your package

my comprehensive & quick intuitive perception of facts and I have had for most of my duplicates. But hereafter I shall certainly be more careful in regard to the Cryptogamia. I start Monday for Apalachicola & Quincy.

Torrey Correspondence Herbarium Columbia University

which he seemed much pleased. As we had only time talk about the Bugs I did not learn his intentions, but I am informed that he has become a landholder here. Really, I wish he could be influenced to spend his summers ~~here~~ in the Territory.

I shall soon send a box containing two packages one for yourself & the other for Mr. Carey. They go to the care of Oakford & Whitcomb. I also direct to your care a small package for my valued correspondent, Dr. Ottet.

Hoping that the parcel will afford you much pleasure,

I remain, as ever,

Truly Yours, A. W. Chapman.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

To Dr. John Torrey
New York City

CINCI. O.
Mar 6
FLA

Have a plant of the Minnesota sent me by Dr. Gr. Martin. I shall write each flower containing 20 to 30 stamens. Stems spinescent, leaflets numerous (20-30 pairs) small, flowers yellow, two spring at the base of each petiole — seems to be a new Acacia. I send you a fragment as I received it. The shrub had run on previously through Crown's grass abundantly above the leaves of grass in Jack. Co.

Since writing the above, I have had a very unexpected, but gratifying, call from Count de Castelnau, who passed here very early this morning (27th) in the stage coach for the North. I had only time to assure him of my esteem, by presenting him with duplicates of my Butterflies & Bugs with

HERBARIUM
COLUMBIA UNIVERSITY

[illegible]

"Gerhard [illegible] Clearl."

[illegible]

"[illegible] Ill. Nat. [illegible] too [illegible]

[illegible]

[illegible]

"[illegible] [illegible] Entomol."

[illegible] Ill.

[illegible] as [illegible]

[illegible]

[illegible]

[illegible] Cl.

[illegible]

[illegible] new. Cer

[illegible]

Cerotr. [illegible] from [illegible] Ill. [illegible]

Phex. mas.

Shenuaosa [illegible]

Chrysog. vig

~~Nuttheimlie~~, Arnold? Nutt. [illegible]

[illegible] from Nuttall's Cat.

I have it not.

Heath in [illegible] – recd 6/– [illegible]
Nothing like it before in [illegible] N.
Northeast. [illegible]
Mayfield, N. Sh. – [illegible] new.
C. polyphyllus [illegible] here. [illegible]
you may take it.
"Cor[illegible] [illegible] macr[illegible].
Yours Gefflin[illegible]

TORREY BOTANICAL CLUB
HERBARIUM
COLUMBIA UNIVERSITY.

Recd. Apr 22nd
Ans. May 19th

New Bern No Car April 2d 1840

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My Dear Sir

Being under the necessity of visiting this place I thought it the safest plan to bring with me the package of which I informed you some time ago & send it on by ship from this place It goes out in the Schoon Mary Capt John Osgood consigned to W. Benjamin Blossom of your City It is merely a package with a single wrapper and may be injured on the passage but I have not time now to remedy the evil — My troubles are nearly ended & I purpose on my return to Florida to devote my time to our favorite science with renewed ardor

I believe you are indebted to me for at least one letter

Respectfully Yours
A. W. Chapman

Dr. Jno. Torrey
New York

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

60/

Ans.d - April 8th Quincy Fla Oct. 1840

LIBRARY
NEW YORK
BOTANICAL
GARDEN

My Dear Sir

The letter of Dr Gray was duly received & two or three days ago I had the pleasure of opening the package of Spanish plants & the still greater one of looking over the first Volume of the Flora (the first time I had seen it) It is really a splendid work and one which will be the text book for the practical Botanist for generations to come It struck me when I first opened the Volume that you had thrown our good old time-honored U.S. aside & written a flora of Northern & Western America by the so frequent occurrence of (Mill. Mss.) & (Hook fl.) But I suppose we cis-montane souls must submit. & Again you have used up our old-fashioned nomenclature most unmercifully & we are obliged to turn over to the index and look for the synonym & find our familiar friend. The publishers sent me six copies & I think I shall meet with little difficulty in disposing of them

Given by A. M. VAIL. from the L. D. Brooke Collection

Genus Baptisia — B. simplicifolia. I believe this has never been seen any where except near Quincy — It occupies a space south of the town about a mile wide & three long & then disappears — B. villosa. I saw this plant along the Charleston & Hamb. rail road S.C. & also between Wagnesboro & New Bern, No. Car. — I wonder Croom never gathered it B. leucophaea my specimen I obtained at Wrightsboro Ga where Ell. found his & consequently is the same as his although Mr Curtis says that no specimen of it exists in his Herb. — B. leucantha & alba — I think I remarked in a former letter that we had another species here which I had not sent to you It seems to be your B. leucantha bonafide. It is a much larger plant than B. alba. There still exists one more sp or variety here of which I have no sample It has the aspect of B. alba with small yellow flowers on a very long racème grows near Marianna — I dont exactly like your disposal of my Tephrosia flexuosa The flowers are mostly axillary on a very short racème But there is one point which escaped me — the stem terminates in a long racème which perfects fruit only at the base in my specimens — I will send you better samples this fall — But I will have more words on these subjects at another time — I send in company with this a MS. list of the plants of this & Jackson Co which will serve you as a guide to the Southern extent of common plants

We have had a most remarkable season from June to Sept. The rain has fallen almost incessantly — Our crops were almost ruined in consequence then came the Caterpillar & swept them entirely — Most of our planters will make a mere fraction of a crop while others will make nothing Since the rain has ceased I have been busy preparing specimens but I find nothing new as I cannot with safety extend my trips to that interesting region South of me You will recollect that I am on the frontier and the Indians hold undisturbed possession of the County between me & the Gulf The Androm. thomb. & Rhododend. punct. grow there but it is as much as my life is worth to venture down ~~there~~ although parts of this Co have been settled since 1825 yet no white person to my knowledge has ever traversed that unknown region & you can imagine my anxiety to plant the standard of Flora in the midst of those wilds

My old friend Mr Darnochan will deposite this & the Catalogue in the P O. at New York

Very Respectfully

A. W. Chapman

To

Jno Jones & Co

New York

Deposited in the
Post Office by
Mr. Carnochan

Rocky Comfort (near Quincy) March 15, 1841

May 9. Ans. May 29

HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir

I received your letter of the 20th ult. yesterday, & am rejoiced to learn that the 2d Vol. is in progress. When completed it will be a work to which every American will point with exultation. I did not get the sample sheet to which you refer; it will probably come next Mail.—

About the first of this month I started off my annual offering to my Botanical friends via Apalach. There are two packages which go to New York one Box with a small bundle on the top for yourselves and a larger one at the bottom for Boissier the other a package in board for Dr. Short to your care — I do not like to trouble you with the care of these packages & I hope soon to engage the services of Mr. Bettner in such matters

I have to apologize for my tardiness this year & for the wee bit of a bundle I send you — I have pretty thoroughly explored this region as far as the settlements extend & I cannot with safety venture beyond them. You will find I trust one or two plants which will interest you. That little Aspidium is I think the prettiest of the genus — This past winter I have studied the Sanguisorbeae & the Mosses & have sent you such numbered — I desire your opinion of them, & I further wish to obtain a set of the common kinds if you have them to spare

I learn to day (.20) that the Apalachicola River is remarkably high & the Warehouse to which the Boxes were sent almost under water.

You speak of a folio Vol of Icon. Rariorum
Perhaps none of my discoveries are worthy a place in
such a work – The little Spigelia is a nice thing – The
Gnindelia alba interesting, & there is the Baptisia mey.
& B. lecontii, Stylingia acuminata, Myrica cerifera, & the three
species of Diplopappus & if you go into the Gramin & Cyp
there is Leersia hexand. Poa (Festuca) pallida, Rottbollia cylind.
Kyllingia sesg. Cephalocheny Carex pensylvanica, Psilocarya, hyp.
& two or three sp of Rhynchosp. The Adiantum I propose to
call A. dependens But the Pteris as it is so variable
in its outline has tasked me for a character which is
permanent Perhaps P. Aspalagensis (if that is good Latin)
would suit it It has never been found elsewhere and one
would ransack the world in vain for another such place
as Aspalaga, Mich. has local names Rhododendron Catawb.
& there is a Lilium Philadelph. & Carex Washingtoniana
The Flora will of course include the Ferns but I forgot
to inquire if it would embrace the other Orders of Cryp.
I received the Granada plants in good condition with
the Nos of the Flora – I found some ripe seed in the
specimens and am trying to cultivate them I fear I
shall not succeed. The Torreya is growing vigorously in
my yard – A very appropriate memorial of Mr Croom
who planted them. I found the Poa nervata!! in a
spring head in Jackson Co. & I can perceive no
difference in a fragment of Rhododendron Catawbiense
from the Mts of No. Car. & our plant from the flat
pine barrens! I have lived in this Florida nearly six
years & I have not begun to find her out yet
The Croomia also grows near Irwinton, Ala. & I have
seen it on the banks of the Flint in Ga. Some of the
troops that went from this Co told me that they saw the
Torreya south of the Suanna! that in riding along

CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

they broke some of the branches ~~& they~~ which had the peculiar odor of the Aspalaza tree. I had occasion the other day to pass the Apa near the junction of Flint & Chatta where the Toneya grows abundantly & was then (Feb 20) in full bloom & loaded my Buggy with the male plant

When you open your little bundle I am fear=ful you will be disappointed. But ~~as~~ I have years ago so completely overrun this region that I can find nothing which I have not heretofore sent you

I desire you to notice particularly the following viz Aspidium vencundum Botrichium ~~a~~ usitatum & fumariod. B. Diplopap. ~~biennis~~ ramulari & digauth. Three sp. of Elrocharis with the labels numbered "Guinea grass" (I have recently understood that this grass was brought from Cuba) [illegible]tiana angust B. hiemalis. Gramineus (this is Panicum) [illegible]belia nudata & B. minor. Panicum autumnale. Rudbeck. biennis Ulmus Floridana.

TORREY BOTANICAL CLUB HERBARIUM COLUMBIA UNIVERSITY.

Of the six copies of the Flora I have been able thus far to dispose of but one – Those who had agreed to take one complain of the price although I offer them at N.Y. prices assuming the difference of exchange myself. This Territory is more affected by the derangement of the currency than any other part of the Union & our good people are much alarmed. But as the rule of the wicked is passed & better men permitted to fill important offices we will indulge the hope of better times. – I shall have more leisure this season I trust & I intend to scour this region effectually & gather in large quantities – The Indians in this neighbourhood are quiet at this time & I can extend my tours.

TORREY BOTANICAL CLUB HERBARIUM COLUMBIA UNIVERSITY.

I remain as ever
Truly Yrs
A. W. Chapman

Sp. of Eup. Conradii
for London.

Dailey Arb.

Sp. of Thermopsis

Drs Torrey & Gray

New York

[Post-marked Jany. 18th.

Recd. Jany. 25th
Ans. Oct. 20th.

Rocky Comfort January 1. 1842

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

My Dear Sir

Your letters of (April & May) have been received in a long time & answer delayed in the hope of looking over the first part of Vol II That number reached me yesterday!! This is dispatch with a vengeance But it is a good New Year's Gift

So you have done up the Asters & no little job neither Last night I went over my collection with the Flora before me Your descriptions answered admirably in all the tribes except Eucordei & Dumosi. These I cannot make out to my satisfaction While I think of it I will make a few remarks on some of my plants — The Stylingia acuminata is not wholly applicable as I found it in low flat places perhaps S. palustris would be better. — Baptisia leucantha, Vhr. is the plant to which I referred in a former letter — It is rather common along the banks of the Apa. river — I send you a specimen — Two species of Eleocharis (tessellata & uncialis) The former comes next to E. quad. It has an exactly triangular culm. The latter must be near E. pygmaea judging from the description but it has a triangular nut. (See packages)

Q. Rhynchospora (R. anachaeta) no trace of Bristles — It has some resemblance to R. filifolia — I hope Dr Gray will ~~consent~~ permit me to dedicate this interesting species to him as some acknowledgment for his valuable Monograph — The Myrica (M. obovata) I desire with your kind permission to call Myrica Torreyana — will you please enter it so in your Flora — I know of no other plant within my gift more worthy of such a name

Carex Willdenovii a variation with the scales uniformly shorter than the fruit — At first I did not know but it was your "Deighen walli" plant I suspect that the seeds of Eleocharis prolifera which I gave you belong to E. microcarpa — I purpose taking up the roots the coming Spring place them in a Box & as soon as these false stems shoot out clip them off — Perhaps this method will succeed — You wish me to send you notes on my Solidagos — My collection is small & most of them from the North — I make it my practice to send you any thing I find. Sometimes the only specimen I have — I might sometimes help you as it regards the Habitat of plants — With us the Eupatorium rotund. uniformly grows in wet pine barrens — Rhynchosp. Elliottii always on arid sandhills &c The Uvaria pygmaea has deciduous leaves Stipulicida setacea is perennial — But I cannot anticipate these small matters

I can now visit Aspalagus in safety & if the troops remain stationed where they now are in the Spring I hope to get the Torreya in quantities as well as Crom's Taxus — You will recollect that two or three years ago I mentioned having seen a Coniferous tree in the lower parts of this County — It may be Cupress. thyoides but it does not look like a specimen from Mr. Lapham (See package)

Last Summer I went down into the lower part of this County to get some of the Rhododendron punct. The whole country is a perfect wilderness where deep swamps & dry sand ridges alternate. I rode to one of the larger creeks & then took it on foot through a swamp nearly a mile wide In this swamp I found a moccasin track! but as it did not appear recent I ventured on some five miles further & to my great mortification I could not find the spot where I had seen it before! The next day some hunters on the frontier fell upon thirteen Indians three of whom they killed — It seems they had found my trail & were following it up towards the frontier!! I need not say to you that it was my last visit to that region

If I could in safety explore the uninhabited region towards the coast many rare & choice things could be brought to light. Your city Botanists with polished Boots rolled to your favorite haunts in Steam Boats & Cars have but a faint idea of the figure a Florida Botanist cuts in these wild woods — I take a thick bundle of newspapers which I tie behind my saddle. When I fill these I pack into my Saddle Bags as long as there is room — then my Hat! is brought into play as long as it will stay on my head — Lastly I strap a Bundle as large as a sheaf of wheat on my back & then start for home on a large white horse — (My horse is nearly as good a Botanist as I am) With so much trouble in collecting plants & in a climate so sultry Northern Botanists should not complain if we place greater value on our specimens

I am anxious to obtain plants from beyond the Miss[illegible] & the Rocky Mts. Can you refer me to any one who would be disposed to exchange with me — Dr Baratt has promised me some from the White Hills — An effort will be made I expect at the coming session of the Leg. Council ~~of this Ter.~~ to authorize a Geological survey of this Terr. —

I send you a few plants the result of the past year's gathering in company with my annual offerings to my friends — If I could venture beyond my old grounds I might send you something which might afford you some interest — I learn that Dr Gray & Mr. Canby paid a visit to the Mts of North Carolina last summer — Can I offer them any inducement to extend their next tour to our Territory — How delighted I should be to go with them & share with them the great gratification they would feel in seeing so many choice things in situ — I have [illegible] you singular letter which if it afford you no information may amuse an idle moment

Tendering the compliments of the season I remain Yrs A. W. Chapman

GREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

25

Dr. John Torrey
New York City

Rocky Comfort (Near Quincy) Florida Feb. 26. 1843

CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My Dear Sir

Some time has elapsed since I received your kind letter of last October and I hardly know how it has remained so long unanswered — I am vexed to learn that my new Eleocharis is taken up & Mr Carey seems to think that the other little thing (E. uncialis) is a variety of E. microcarpa But the form of the nut well distinguishes it from that species. By the way in pasting my specimens on Herbarium paper the other day I found among the specimens of Isolepis subsquamosa from Oneida Lake or Fuirena squarrosa (Q pumila (I forgot which) received from you fragments of an Eleocharis of which there appears to be no description in your Monog. Cyp. It seemed to be gathered with the other plants — The Rhynchosp. Gayana & the other R. pusilla it seems to me ought to form a section of Rhynchospora, Carey thinks they belong to Isolepis But, although not mentioned, I supposed that Genus to be destitute of a tubercle — You must look sharp before you decide on the doubtful Carex. I cannot believe it to be any var. of C. dasycarpa It is a much stouter plant every way & as it grows on our most arid sand hills where sterility & poverty seem contend for supremacy we should hardly suppose it to be a luxuriant form of that plant which usually delights in the richest Hummocks — Quercus sp. Nuttall must have made some mistake about his Q. cinerea. I have ~~no~~ known that species for years & I do not remember ever to have seen its leaves lobed in a single instance. ~~But~~ It certainly is not that plant But I have not seen the acorn — You are doubtless correct in your reference of the Rudbeck. triloba My only specimen was a very luxuriant one from the West and looked very different.

In a recent package of plants from Boissier I found the Schoenus nigricans L. which looks exactly like my West Florida plant & is doubtless

as suggested by Mr Carey the same — I begin now to think, if I never gave credence to the remark of the Wise man before, that "there is nothing new under the sun".

28th Yesterday I made a short trip to find the Rhododendron ~~[illegible]~~ctatum & was delighted to meet with a singular & beautiful sp. of Carex — Judging from the description of C. pedunculata it must near to that. But I have but little doubt it is new — It is not quite in a good state for gathering although I obtained a hat full. Are you quite sure that C. Floridana & C. nigromarginata are distinct species. My specimens from N.C. agree exactly with some of C. Floridana which seems to be quite variable — I have a suspicion that the plant I sent you as C. Willdenovii B. is a different thing. It quite uniform in its appearance — The Myrica Pensylvanica is now in flower & I have gathered extensively. The only male plant which I met with in that locality is a tree about 15 feet high & at base half foot in diameter. It branches from the ground. The female is smaller. But I met with it near the Choctawhatchee River West Fla. in 1838. & also on the west bank of the Apalachicola below Ochesee. It is probably common in the unknown region toward the Gulf. ~~which~~ As the Creeks are removed beyond the Miss. I shall be able to venture down unscalped. But I cannot embrace the opportunity now offered as I shall start for the North about the first of April. perhaps to remain there during the Summer. But of this I am not certain. At all events I intend to improve the time while I stay & leave in Mr Carey's hands whatever I find of interest to you.

I think I told you of the rediscovery of Ruellia humistrata, Mx. along the Banks of Little River. Le Conte mixed his reckoning when he referred it so positively to R. strepens. It is allied to R. oblongifolia & will follow that species if it should be removed from the genus — Another interesting & rare plant is the Gerardia filifolia Nutt. which I detected last fall with leaves always alternate. Cyperus Drummondi grows along the flat Banks of the Okelokony river. There is also another of which I found but one specimen. An Andropogon with the aspect of Rottboellia ciliata, Nutt.

Baptisia leucantha abundant along the banks of the larger rivers I have another species of this Genus just intermediate between B. lanceolata & B. alba with yellow flowers & it may prove a hybrid & I also found near Marianna a plant exactly B. alba except that it had yellow flowers and pubescent stems & leaves – If I think of it when I start for the North I will carry on all these doubtful things for your inspection.

I can do nothing with the numbers of the Flora in my possession The times are so out of joint that our people care for little else than the privilege of breathing – I suppose I account for the two copies sold to Myly & Putnam. The others as requested by Dr Gray I return.

I believe I have told you all connected with myself in the Botanical line – So you are quietly settled down in Country enjoying yourself with "opium cum digitale"

Yr

Dr. Torrey

I remain as ever

Sincerely Yours

A. W. Chapman

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

D. F.

S.

Dr John Torrey
Princeton
New Jersey

Recd April 2nd.

Apalachicola Mar. 22 1844

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir

I was truly delighted to get your letter of Nov. 7th & the note of the 10th inst which came by to day's mail & as I could not possibly employ my time during this deluge of rain with which we are being favored I reply promptly by the return Boat

I hope you have not been disposed to censure my so long silence indeed the subject of Botany had been quite exhausted & it was deemed a trespass upon your time & good nature to continue it I believe however I have kept you supplied with every thing of interest which has occurred during this long interval – on reaching New York in the Spring of '43 I left with Wiley & Putnam a thin package for you of Florida Plants & in the fall also some gatherings from the White Hills & other parts of New England & it strikes me I have sent you one more possibly by Mr Carey but of [illegible] I am not sure Except at night I am doing nothing in that line at present The things which have most interested me of late are an ex=amination of Florida Xyridaceæ & descriptions of some un=described things which are found in my Herbm.

Are you disposed to credit the assertion that there are within a half mile of this city thirteen or fourteen species of Xyris? I am quite confident of it & I believe when you come to take up this order you will agree with me fully – Find all of Kunth's ~~American~~ U. States species except X. bulbosa & of this I think I have a fragment from New Jersey At all events I mean to publish my notes on them lest a miss. By the way that X. Carolin. Walt. is a puzzler & if you have Walter's description I would be much obliged to you to copy it for me in your next

Now for the Shrub — I have had the good luck to find a few of the staminate plants which are as you suspect marvellously like those of the Willows but I do not subscribe to your opinion of its affinities look sharp & see if it does not make a nearer approach to Myricaceae Indeed it appears to me almost a Myrica itself from which it differs by having a simple style (this is the normal state) the hypogynous scales united (monosepalous) — Stamens distinct (not monadelphous as in Myrica) the testa or more correctly the external integument of it is entire & continuous but if you cut away a portion you will find the same reticulated structure which you find by a similar proceeding in the true Myricaceae — of the fruit I cannot advance an opinion as I find that I sent you & Mr Carey all the ripe ones I had & those I now have are not fit for dissection —

Like yourself I noticed the single stamen at the base of the ovule & this circumstance led me to look elsewhere than among the Amentaceae for its true station — Now if you think I am correct in my views of this plant I shall be truly glad & I will take out of a paper which I am about sending to press the account of Myrica Pensylvanica with a drawing which I have made & publish a paper on the Myricaceae separately — I enclose two aments of different ages of both sexes & if you still have a nut of the proper age you need not fear to cut it up or to call upon Mr Carey for his & I will supply you anew otherwise we must wait till the fall for the new crop — It is past flowering now — I have figured the flowers of both kinds & have succeeded pretty well & am waiting for the expanded leaves as soon as this is done I will send you the result but I should like to learn your decision in the mean time — Are you willing to look over this paper of mine before it goes to the press There are about thirty new species described in it & it is quite possible that some of them have been indicated elsewhere: I call the new Dianthera D. crassifolia — Can the Aspa Lobelia possibly be a form of L. glandulosa? They appear quite distinct but as you suggest intermediate forms may unite them

I have somewhere an old manuscript in the Smilacis but if I rightly remember the want of proper books of reference left me in such uncertainty about the authenticity of species that the attempt to make any thing out of them was abandoned & up to this time I know with tolerable certainty only three of Ell's shrubby species viz S. lanceolata laurifolia & pumila — They are vines of frequent occurrence throughout this region

I should be glad to assist ~~Mr~~ Dr Kneiskern if you conclude to send him to Florida & will give him such directions as a residence of twelve years will enable me to suggest — Mr Rugel ransacked the country pretty thoroughly but I suppose he did not find every thing — As for myself I do not expect to do any thing now my hands are full of pills But I can retire from the field with the less regret from the conviction of having discharged my duties zealously & faithfully while I remained in the service I can still do something in the way of exchange having quite a stock of duplicates remaining — I am about sending to Prof. Gray a [illegible] Sedd but h[illegible]ill look in vain for some of the rarer kind — You [illegible] [1836] in your Herb. the Bletia verecunda of which I found many years ago two specimens & I have never seen it since* The Stylisma aquatica is very abundant near this city growing in ponds It is quite distinct — Last July near N. Joseph I found what I take to be a Scilla which I will send in this & a cuphea with ternate-verticillate leaves — [Nelumbo n. sp.] I saw Dr. Blodgett at Key West four years ago & he showed me some of his plants & I did not find but one Christian species among them & that was the Capsella They were all Hebrew to me He seems to be a most unassuming excellent man but his health was quite delicate — I have thus my dear Sir thrown out a long string of chat & have only to thank you again most kindly for your friendly letter & remain

Yours truly Yours
A. W. Chapman

What is that little thing on the paper which floats on the water like a Lemna?
& this Polygala cant be P. cruciata?
[Azolla Caroliniana]

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

* I have it also from Dr. Leavenworth, collected in E. Florida. A. C.

Dr John Torrey
Princeton
New Jersey
or New York City

"Stella" Chapm

Nolina n. sp. pedicels articulated near the summit."

Near St. Josephs, Florida. Dr. Chapman

Recd. in a letter. April 2. 1847

Apalachicola July 17. 1858

My dear Sir

CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Among my letters by last week's mail I was pleased to find one bearing your well-known superscription while at the same time I am grieved to find that the Box of plants which I sent to Mr Carey has given rise to an unpleasant state of things between that gentleman and Mr. Holton

I do not learn from your letter nor from the exposition of Mr Holton enclosed what the grounds of complaint are but I will state what were my wishes with regard to the plants

Some time has elapsed since I first promised the plants to Mr. Carey and I sent them on with the wish if I remember rightly that he would share them with Prof. Gray & yourself

During my interview with Mr H. last winter I mentioned to him of these plants but without any intention of changing their destination but I had concluded to pick out from among them some which he particularly named & enclose them in a bundle addressed to him (Mr. H.) to be sent in the same box with the others But on my return I found my hands so full that I could not spare the time & sent them off as they were found by Mr C.

In my letter to him notifying him of the fact I have an indistinct recollection of requesting him to give some of them to Prof Gray Mr Holton & yourself

Mr Holton seems to have understood my intention very well By the word you I did mean New York Botanists & supposed that such a mess as I sent on would contain duplicates for all of you But I left to Mr C. the whole matter leaving it discretionary with him to keep them all or not

As I remarked at the outset not knowing what the points in dispute may be I do not know that I have satisfied any one — I wonder if Mr C. is blaming me — he did not tell me of the arrival of the plants

Of Torrey's I can only say that a young gentleman of this place collected some live plants for the Royal Garden & carried them to New York with him and I asked him to give one to you which he seemed inclined to do —

Of Leitneria the Drawing still sleeps — the lady of whom I spoke to you having had so much on her hands last winter I could not have the heart to remind her of the plants

I have not leisure to write more but may have occasion to say a few words on subjects connected with Botany at a future day — Remain ever

Truly Yours

A. W. Chapman

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

Apalachicola Sept 24. 1857

Dear Sir

Sometime last June I rec^d from Dr Gray a Box of plants which was sent through the firm of Putnam & Co Booksellers & besides the packages for myself the Box contained one for you & one for Mr Curtis — Yours purports to be the Engonia of N. A. — I have had no opportunity to send the package to you & dreaded telling you about it under the impression that I should carry it on in my trunk last month — Concluding not to visit the North this fall I will send it to Mr Putnam by the first vessel probably by the Athalia now in Port —

I have nothing new Botanically and remain

Your sincere friend

A. W. Chapman

P.S.

Prof^r J. Torrey
Princeton N.J.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

3109
Hunter
57

A. W. Chapman 18[illegible]

List of Florida plants

contained in package

329 Species - No. 15.

Antirhinum Canadense
Andromeda axillaris
racemosa
nitida
Acnalis connivens
linifolia
Asclepias cinerea
pauciflora
tuberosa
Astragalus obcordatus
Ascyrum Crux-Andreae
stans
microsepalum
Æsculus Pavia
Archangelica dentata
Aristida spiciformis
longa
sp. nov.
Aletris aurea
Agrostis clandestina
pinea
Amsonia angustifolia
Andrexanthus rufus
ciliatus
Amianthum angustifol.
Asplenium Anchorita
Actinomeris nudicaulis

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Aster ericoides
undulatus
Baldwinia uniflora
Bigelovia nudata
Brickellia cordifolia
Bottonia diffusa
Batschia bmelini
Bumelia lanuginosa
Baptisia alba
lanceolata
simplicifolia
megacarpa
Crotonopsis linearis
Croton glandulosum
Cuscuta tenuiflora
agrestis
Centunculus verna
paniculatus
Chionanthus Virgin
Cyrilla racemiflora
Callicarpa Americana
Collinsonia anisata
Chrysopsis oligantha
graminifol.
trichophylla
mariana
Crepsis nudata
villosa
Chapmalia tomentosa
Ceanothus microphyll.
Cassia obtusifol.
Cornus stricta
Centrosema Virgin.

Cratægus coccinea v.
æstivalis, v.
sp. —
Chlenis petræa
Chætocyperus Baldw.
Ceresia sp. nov.
Carex tentaculata
anceps
Floridana
dasycarpa
festucacea
glaucescens
digitalis
stellulata
Baltzellii
oxylepis
laxiflora?
hirsuta
cherokeensis
2 sp. nov.
Cyperus filiculmis
speciosus
leptos
Gatesii
Drummondi
vegetus
Baldwinii
virens
Chrysobalanus oblong.
Chrysogonum Virgin.
Dichromena latifolia
Dichondra Carolin.
Diodia Virgin. v.

Diplopappus obovatus
Euphorbia Ipecac.
cymbiata v.
maculata?
Erigeron strigosum
Erigenum tomentosum.
Elephantopus tomentos.
Eupator. paniculatum
hyssopifol.
cannabinum
leucolepis
serotinum
album
Eryngium aquaticum
integrum
Elodea petiolata
Epidendrum conopseum
Eleocharis capitata
melanocarpa
microcarpa
tricostata
tuberculata
Eriocaulon decangulare
villosum
Erianthus contortus
alopecuroid.
Erythronium Americanum
Fimbristylis spadicea
Baldwin.
Gentiana Catesbai
angustifol. V.

Gerardia filifolia
tenuifolia
aphylla
sp. —
Gratiola pilosa
acuminata
Galium hispidulum
Gelseminum sempervirens
Gaillardia lanceolata
Galactea pilosa
Geranium Carolin.
Hedyotis stenophylla.
glomerata
Hyptis radiata
Halesia diptera
Hopea tinctoria
Hydrangea quercifolia
Helianthus Radula
tuberosus
heterophyllus
microcephalus
Hypericum ambiguum
myrtifolium
maculatum
pilosum
galioides
fasciculatum
angulosum
mutilum
Hibiscus incanus
aculeatus

Habenaria cristata
blephariglottis
Hypoxonum gracile
Baldwinii
Illicium Floridanum
Indigofera Caroliniana
Ilex opaca
Isolepis ciliatifolia
Juncus filiformis
repens
polycephalus
sp. nov.
Jussiaea decurrens
Kyllingia pumila
Kalmia hirsuta
Lycopus angustifol.
Liatris elegans
odoratissima
graminifol.
spicata
Chapmanii
scariosa
tenuifolia
gracilis
Ludwigia alternifolia
hirtella
virgata
spathulata
capitata
linifolia
cylindrica
sp. nov.

Diplopappus obovatus
Euphorbia Ipecac.
corollata v.
maculata ?
Erigeron strigosum
Eriogonum tomentos.
Elephantopus tomentos.
Eupatorium purpureum
hyssopifol.
coronopifol.
leucolepis
serotinum
album

Lygodesmia aphylla
Linum rigidum.
Lupinus villosus
Lobelia glandulosa
amoena
erassiuscula
sp. —
Mysica Toneyana
cerifera
Micranthemum orbiculatum
Mitreola petiolata
sessilifolia
Mylocarium ligustrinum
Mitchania scandens
Melica speciosa
Monocera aromatica
Manisuris granularis
Mariscus retroflexus

Neurophyllum longifolium
Neottia tortilis
Olea Americana
Orobanche Americana
Oenothera linearis
Orchis flava
niveus

Polypodium hexagonopt.
Polygonum incarnatum
hirsutum
gracile

Pycnanthemum incanum
hyssopifol.

Pinckneya pubens
Plantago pusilla
Pinguicula lutea
pumila

Phlox aristata
pilosa
maculata

Pluchea camphorata
bifrons

Pyrrhopappus Carolin.
Pteroculen pycnostach.
Prunus Americanus
Polygala lutea
incarnata
polygama
attenuata
cymosa v.
grandiflora
cruciata

Psoralea melilotoides v.

Petalostemon carneum
corymbosum
gracile
Phacelia villosa
Pitcheria galactiides
Pinus angustifolius
Poiloconya rhynchosp.
Poa pectinacea
Panicum Alabamense
Paspalum floridanum
præcox
Pogonia verticillata
Ruellia humistrata
Rhynchospora ciliata
Baldwinii
cymosa
fasciculata
rariflora
glomerata
filifolia
paniculata
microcarpa
plumosa
miliacea
caduca
sp. nov.
Rudbeckia hirta
Rhexia lutea
stricta
Rhynchosia tomentosa
Rubus villosus
Scutellaria hyssopifol.
sp. nov.

Spermacoce glabra
Sabbatia chloroides
calycosa
brachiata
paniculata
sp. nov.
Seymeria tenuifolia
Siphonostegia sp.
Seriocarpus tortifolius
Sclerolepis verticillata
Senecenion flavus
Psittacina
Sida spinosa
rhombifolia
Stylosanthes elatior
Stuartia Malachodendr.
Siphonychia americana
Solidago gracillima
odora, v.
tenuifolia
virgata
pilosa
nemoralis
tortifolia
discidea
pubescens
Leavenworthii
caesia
Sagittaria pusilla
Selenia pauciflora
Carolniana
Triglomerata
Scirpus lacustris

Tonoya taxifolia
Turnera ciderdes
Tiedmannia teretifolia
Tephrosia chrysophylla
Tofieldia pubens
Trillium sessile
Tricuspis sesleriendes
Utricularia personata
Uvaria obovata
parviflora
Uralepis purpurea
Vaccinium dumosum
myrtilloides
corymbosum
Verbena Carolineana
Vernonia angustifolia
fasciculata L.
Viola palmata
primulaefolia
lanceolata
Warea cuneifolia
Xyris flexuosa
brevifolia
juncea

"Nolina? asphodeliodes" Chapm.

Root of rad. leaves.

Received March 25, 1856, in a letter dated March 17.

The root is remarkable, & shows that the plant must be very different from the Texan (Wright) and Louisiana (Hale) plants.

[No – The difference can be easily explained. The old nucleus (tubers) of the bulb is persistent several seasons, & a new bulb crowns it every year

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