Salem N. C. Stokes County
June 24th 1820

John Torrey Esq New York

Honored Sir

You can scarcely form an idea of the agreeable surprize I experienced a few days ago on the unexpected arrival of the Box with fungi &c. which you have done me the honor to address to me. Opportunities for scientifical correspondence – more especial in a province of Natural History so utterly disregarded by most persons as are the Fungi, offer so rarely that I cannot express sufficiently the pleasure your kind letter gave me – nor pretend to thank you as I ought for the kind offers it contains. I embrace them with the utmost joy & hasten to assure you thereof by these lines, begging as a great favor the continuance of your correspondence. I should have imediatly reloaded the box with specimens of Fungi &c & sent it on to you – if I did not think it better first to comunicate to you what I can supply you with in order to avoid unnecessary things being sent. I shall therefore proceed in the first place to explain the different Lists contained in the inclosed sheet. The first list I. contains the names of all plants (excepting Cryptogam) growing within my reach as far as I have observed them, which I do not find in the Catalogue of New-York plants you so obligingly enclosed (for which I beg to express my most cordial acknowledgement) & if you will please to mark in your next which of these plants I can serve you with, I shall certainly send such of them as I have in duplicate as soon as possible & take measures to procure those which I have not by me for a future remittance. Other southern plants, not imediatly in our reach I may possibly be able to procure for you thro my southern friends. The second List. II. Contains those plants of your Catalogue which are wanting in my collection (or at least American specimens of which I have not seen) – & I should consider it as a very great favor indeed if you could procure me any or all of them. The third List ~~are~~ contain the names of the Fungi you have so kindly sent me. The names to which you find Nos. subjoined are of my own giving and are species which I had before observed here. № 49. Gyrophorium (a genus I have ventured to make) coccineum. is a species I have never found in Carolina but once observed in Pensylvania. The other species Gyrop. lectetenus about 6 times as large is common here. № 91 Merulius minutissimus is a beautiful new species I think the name you give it very appropriate. № 95 found in your Herbar. is a very interesting fungus entirely unknown I shall submit it to a full examination under the great microscope as soon as I can. № 107 is an extreamly remarkable thing but I cant make any thing of it. Does it receivify? May it not perhaps be some morbid affection of

the Fern on which it grows. No. 108 – I have called Varia anthracoformis but should like to know on what you found it & whether it was in a fresh state just as it is now. I think it a very curious thing worthy of being closely examined. No. 62. was doubly, tho' one the Morchella, the other a young specimen of my new Genus Craterium, allied to Sorica. It grows with us to an enormous size changing from its Clavaria form to a remarkably shaped deeply turbinate Sorica. Some of the Specimens were rather indistinct. To these I have subjoined a (?).

In answer to your enquiry concerning the Thallus you have found I beg leave to observe that I have only once met with a Thallus here (altho' I believe it not very rare but easily overlooked & requiring a wet season at a particular time which generally with us is a dry one) & that in its avitar state. But this one was doubtless the same with yours, for it had an indusium tho' otherwise quite similar to the Th. impudicus of Europe. I could not determine it specifically on account of the young state. The later mycologists of Germany call the Thalli indusiati – Hymenophallus (a new Genus) & I am confirmed by your observation in supposing this American species one not yet ~~determined~~ described, but I believe the T. impudicus of Clausenberg is a different one & the true European Thall. as my friend the Rev. Jacob Van Vleck informs me, that he has seen the Europ. Thall. impudicus with Pennsylvania. What is the Thallus coccineus of your Catalogue? it is not a Clathrus I suppose? Mr Leconte once sent me a drawing of the Clathrus from Georgia.

Having now answered your letter & added that you cannot possibly do me a greater favor than by continuing your communications of plants & fungi & shall beg leave to give you some information concerning my botanical labors & collections, in order to enable you to judge wherein I could serve your wishes.

When I first came to Carolina I almost exclusively attached myself to the Fungi & formed a considerable collection now amounting to about 1500 Species, entirely from our immediate neighborhood which still keeps increasing. Of these rather upwards of 1100 Species are identical with European ones, the rest appear to belong exclusively to our continent. Many of these necessarily, from being parasitical on merely American vegetables, others may probably occur in Europe likewise as it is but of late that the Fungi have been closely examined there. Of the preservable ones I have with few exceptions preserved specimens in my collection, the agarici & except the Retrocopodes I exclude entirely (because altho' they may be dried they loose all their characteristics, & try to make drawings of such as appear new) & at the beginning of this year I have commenced an augmentation in such a manner, that I have 5 parallel collections as complete as I can obtain specimens in order to send to friends who wish to have them. Please therefore to let me know what species you have firmly established & I shall send you specimens of all the rest of mine of which I have many – for I dont like to send such as you are already sufficiently acquainted with, tho these may be wanted by some other friend. – My Catalogue of Fungi, together with descriptions of all the new species by me established, & specimens of them, I took with me to Europe on my visit there in the year 1817–18 & left them in the care of Dr Schweigrichen at Leipzic to make use of them at his discretion. Since my return, having provided myself with instruments & books I have pretty zealously turned my attention to the Musci, Lycopodia & Lichens & sweet water Algae, & have succeeded in determining a considerable number. Especially Lichens & Musci hepat. we are rich in. I have found about 300 species of the former & about 50–60 of the latter. Of all these (or at least of most of them) I have duplicates & am continuing their collection, so that you can get them as soon as arranged & separated which however cannot be done on account of my avocations of duty before the end of next winter. What has been of great service to me was the happy circumstance that I succeeded in procuring from Dr Schweigrichen & other botanists of Germany specimens of the greater part of the German musci, hepat, Lichens, & all their water algae – by which I am greatly aided in determining our plants. In the meantime I have not neglected the Phaenogamic plants. My German friends liberally furnished me with the greater part of those growing on the continent & I have added a considerable number of the american ones, so that my Herbar which I have arranged handsomely & convenient now contains, including Cryptog. near 6000 plants altogether from their native soil either of Germany & England or America. Lately I had conceived some idea of preparing an english & latin work on the Cryptogamia of the United States or of North America generally & you can therefore judge how much I wish

A list of the plants growing about Salem, N. Carolina not mentioned in the Catalogue of New York plants

Arranged according to Pursh's Order

I. Podostemum ceratophyllum
Chara flexilis
—— hispida
Chionanthus virginica
Gratiola pilosa
—— ana gallioides Nob.
Utricularia gibba
—— fenestrata
Monarda fistulosa ciliata
10 —— clinopodia
—— punctata
—— oblongata
Salvia urticaefolia
Fraxinus carolinian
—— pubescens
—— pyglandifol.
Hypericum mucronatum
Iris cristata
—— verna
20 Cornelian virginica
—— canina
—— circina
—— sericea rare
Triphasium monostachy.
—— dactylodes
Carex Willdenowii
—— typhinoides Nob.
—— cephalophora
—— Mackenbergii
30 —— retroflexa
—— reflexa Nob.
—— robusta
—— scirpoides
—— festucacea
—— stramina
—— bracteata Nob.
—— vinescens
—— virgata
—— tetanica
40 —— flexuosa
—— caespitosa
—— foenea? aut nov.
—— cylindrica Nob.
Scleria reticularis
—— pauciflora
Hypericum indica & carol.
Sisyrinchium graminoides
Stylisma pectinata
—— maculata
50 Rynchospora cymosa
—— corniculata
—— distans
—— punctata
—— capitata
—— inexpansa
—— fascicularis
Cyperus flavescens
—— vegetus
—— brizaeus
60 Dichanthelium fasciculatum
Scirpus tuberculosus
—— americanus
—— ciliatifolius
—— brunneus
—— fulcatus
—— simplex.
Milegia macrosperma
Muhlenbergia sericea
Agrostis scabra
70 Panicum ciliatum
—— melicarium
—— sp. nov. affine
—— scoparium
—— setaceum
—— pubescens
—— barbulatum
Paspalum dasyphyllum
—— laevis
—— floridanum

80 Eleusine filiformis
Untola laxifolia
Aristida stricta
Saccharum giganteum
Andropogon ambiguus
—— alopecuroides
—— scoparius
Eriocaulon decangulare
Diodia virginica
Hypericum patens
90 —— angustifolia
—— varians (non pur.)
Galium uniflor.
—— circaezans
Antachia humifusa
Urtica procera
—— divaricata
Ilex prinoides
—— Dahoon
100 Fagina americana
Batschia canescens
Cynoglossum sylvaticum
Pulmonaria virginica
Phacelia parviflora
Lysimachia heterophylla
Obliortheca mitreola
Itea virginica
Convolvulus sericeus
Ipomoea coccinea
110 —— quamoclit
—— tamnifolia
—— Nil.
Phlox paniculata
—— maculata
—— pyramidalis
—— triandra
—— glaberrima
—— pilosa
—— divaricata
—— subulata
Campanula divaricata
—— americana
Azalea calendulacea
Lonicera sempervirens
Spermacoce glomerata
Triosteum angustifol.
Verbascum Blattaria rar.
Solanum carolinense
Physalis obscura
130 —— pubescens
—— angulata
—— lanceolata
Bumelia lycioides rar.
Galax aphylla
Viola digitata
—— variegata Nob.
—— sagittata
—— obliqua
140 —— villosa Ell
—— rotundifolia Nob
—— reniformis Nob.
—— tripartita Ell
—— striata Leconte
—— scabriuscula Nob
—— rostrata
Angelica atropurpurea
Gelsemium nitidum
Amsonia latifolia
150 Gonolobus hirsutus
Asclepias obtusiflora
—— undulata
—— nutans
Alismas nymphoides
—— alata
Coleus crassifolius
Eryngium virgatum

Liguticum actaeifolium
—— barbinode
160 Teagia trifoliata (non Lin. sed Walter)
Smyrnium atropurpur.
Ptilimnium capillaceum.
Viburnum cassinoides
—— nudum
Cnidoscolus urens
Amaranthus spinosus
Aralia spinosa
Zanthoxylum fraxineum
Zanthoxylum spinosum
170 Tradescantia virginica
Commelina tenuifolia
Amaryllis atamasco
Allium fragrans
Polygonatum latifolium
Agave virginica rarof.
Juncus secundus Nob.
Helonias erythrosperma
Trillium grandiflorum
—— sessile
180 Smilax peduncularis
—— quadrangularis
Smilacina racemosa
Oenothera fimbriata
—— hybrida
—— linearis
—— glauca
—— Sieb. nequando
Baptisia mollis
—— alba
190 —— coerulea
Monotropsis odorata
Vaccinium atrococcum
—— arboreum
—— amoenum
—— virgatum
—— fuscatum
Andromeda axillaris
—— floribunda
—— speciosa
200 —— arborea
Kalmia grandifol.
Schrankia uncinata
Hydrangea vulgaris
Saxifraga leucanthemifolia
Silene Caroliniana
Stellaria pubera
Arenaria patula
—— glabra
Sedum terminatum
210 —— pusillum
Asarum virginicum
—— arifolium
Talesia tetraptera
Portulaca pilosa
Talinum teretifol.
Cuphea viscosissima
Euphorbia corollata
Ranunculus hispidus
—— pusillus
220 Cruciferae vinidus
—— flava
—— spatulata
—— hirsutifolia
—— bulbosa
—— pusilla
—— parviflora
Nymphaea angustifolia
Sarracenia variolaris
Galibarda fragarioides
230 Geum geniculatum
Calycanthus floridus
Sarracenia flava
Helianthemum ramulosum
Potentilla atrolutea
Spiraea lanceolata Hopea
Hypericum

Hypericum mudiflorum
— frondosum
— axillare
Acorum crux Andreae
240 — stans (amplexic)
— hypericoides
Delphinium exaltatum
Cimicifuga palmata
Aconitum uncinatum
Magnolia tripetala
— auriculata
— cordifolia
— acuminata
Podalia trilobata
250 Anemone trifoliata
Ranunculus hispidus
— repens
— amphibius Nob.
Sagittaria simplex
Arum dracontium
— sagittifolium
Stachys hyssopifolia
Hyoscyamus aristatum
Melissa nepetoides
260 Dracocephalum virginianum
Gentiana coerulea
Scutellaria marginata Nob
— cordifolia
— serrata
Buchnera americana
Gerardia heterophylla
— tenuifolia Nob.
Lindernia monticola
Schwalbea americana
270 Pentstemon laevigatus
Bignonia radicans
— capreolata
Ruellia strepens
Obolaria virginica
Senecio aureus
Cunelina sativa
Dentaria multifida
Cardamine pratensis
Passiflora incarnata
280 — lutea
Euartia malacodendron
Corydalis aurea
Amorpha fruticosa
Glycine tomentosa
Galactia glabella
— mollis
Clitoria virginiana
— mariana
Robinia hispida
290 Lespedeza divergens
Hedysarum ciliare
— boreale
— geniculatum N.
Tephrosia hispidula
Trifolium reflexum
— procumbens
Scorzonera pinnatifida
Prenanthes subcordata
— cordifolia
— alpina
300 — serpentaria
Bidens pilosa
— frondosa
Cacalia atriplicifolia
— reniformis
Krigia virginica
Erigeron phenicolaceum
— bellidifolia
— canadense
— album
— strigosum
310 — rotundifolium
— melampodioides
— pulchellum
Rudbeckia lanceolata
Liatris macrostachya
— pycnostachya
— squarrosa
Vernonia noveboracensis
— glauca

320 Filago americana
Erigeron pubescens
— ciliatifolium
Senecio —— ?
Cineraria heterophylla
Aster rigidus
— foliolatus
— patulus
— tenuifolius
— ericoides
— dumosus
330 — multiflorus
— ciliatus
— furcatus
— fericeus
— patens
— phlogifolius
— undulatus
— corymbosus divergens
— mutabilis
— laevis
340 — lanceolatus
— verticillatus
Solidago serotina
— stricta
— rugosa
— latifolia
— tenuifolia
— juncea
— elliptica
— sempervirens
350 — petiolaris
— cutcha
— glomerata
— mexicana
Inula graminifolia
Arnica Claytoni
Bollonia? asteroides
Verbesina Lobelia
— coronata
Tetragonotheca helianthoides
Helianthus laevis
360 Helianthus mollis
— strumosus
— lenticularis Nob
— gigantenus var
— atrorubens
Rudbeckia purpurea
— fulgida
— speciosa
Coreopsis tenuifolia
— auriculata
370 — tripteris
— tripteris
— acuta
Silphium laciniatum
— terebinthinaceum
— perfoliatum
— connatum
— asperum
— pinnatifidum
— integrifolium
380 — trifoliatum
— ternatum
— atropurpureum
Polymnia canadensis
Chrysogonum virginianum
Vernonia integrifolia
Elephantopus carolinianus
— tomentosus
Orchis spectabilis
— flava
390 — virescens
Neottia alba N.
Arethusa divaricata rar
— ophioglossoides rar
Cypripedium maximum W.
— irreperum Nob
Platanthera stimulosa
Triphora trianthophora
Acalypha carolinianus
Salix myricoides
400 Betula pumila
Castanea pumila
Quercus imbricaria
— aquatica
— nigra
— lyrata
— phellos

Lycopodium mundinatum
— carolinianum
Ophioglossum vulgatum
410 Botrychium obliquum
Polypodium incanum
Asplenium trichomanes
— monstrosum
414 Cheilanthes vestita

II. List of plants mentioned in Nedybrk Catalogue which I should be desirous of procuring as they are not in my collection — or are uncertain

Salicornia herbacea
— ambigua
Blitum maritimum
Veronica hederaefol
Lindernia dilatata
Utricularia macrorhiza
— stricta
Lycopus europaeus
Fraxinus sambucifol
— platycarpa
— discolor
— concolor
Schoenus setaceus
Cyperus parviflorus
— tenuis
— diandrus
— erythrorhizus
— caespitosus
Scirpus tenuis
— intermedius
— acutus
— macrostachyus
Marisacus cyperiformis
Cenchrus echinatus
Spartina glabra
— pubiflora
Alisma amphicarpon
Agrostis stricta
— compressa
— inconspicua
— scabriflora
— diffusa
Polygonum glomerata
Nuna melicoides
Phalaris maritima
Panicum italicum
— viride
— microcarpon
— macrocarpon
— centrosum
— verrucosum
Digitaria sanguinalis
Poa brevifolia
— spectabilis
— obtusa
Windsoria pallida
Briza canadensis
Uniola spicata
Bromus pubescens
Aristida racemosa
Arundo phragmites
— arenaria
Elymus virginicus
Lichea racemulosa
Digitaria sylvestris
Plantago cordata
— maritima
Galium micranthemum
Cornus alba
Amania racemosa
Potamogeton perfoliat
Lythrum hyssopifolia

Convolvulus sagittifolius
—— stans
Caprifolium parviflorum
Physalis pensylvanica
Vitis riparia
Calibatis gracilis
✓ —— stellaris
Apocynum cannabin. Ell.
Helicido purpurascens
Gentiana saponaria
—— angustifolia
Asclepias hortensis
—— laciniata
—— arenaria
✓ Saltora carolinianq
—— salsa am
✓ —— gorbis canadensis
Viburnum nubigens
—— lantanoides
✓ —— dentato
Aralia racemosa
Statice limonium
✓ Smilacina stellata
✓ Polygonatum pubescens
Veratrum viride
Veronicastrum setifolium
Oenothera chrysantha
✓ Acer saccharinum
—— nigrum
Polygonum incarnat
✓ Vaccinium pensylvanic
Arbutus lava ursi
Pyrola elliptica
✓ Asarina canadensis
Ceanothus americanus
Hudsonia tomentosa
✓ Prunus pensylvanica
—— depressa
Pyrus sanguinea
Rosa gemella
Rubus strigosus
—— obovatus
Potentilla fruticosa
✓ —— floribunda
—— pumila
✓ —— argentea
Geum actinomorphum
Nuphar kalmiana
—— advena
Thalictrum revolutum
Ranunculus fascicularis
—— fasciculatus
Brasenia peltata
Hydrastis canadensis
✓ Verbena hastata
Pedicularis palustris
Mentha borealis
—— canadensis
Gerardia maritima
Limosella subulata
Bumias cakile
Atlanti campestre
Erabis hastata
Hibiscus palustris
—— virginicus
Glycine comosa
Vicia americana
—— pusilla
Hedysarum anchen
✓ Lonchus leucophaeus
Erigeus pumilus
Eupatorium hyssopifol.
—— amoenum
—— laciniatum
Artemisia canadensis
✓ Aster linariifol
✓ —— subulatus
—— grandiflorus
—— corifolius
—— amoenus
—— mitis
—— diffusus
—— pendulus

Solidago lateriflora
—— puberula
Brachyla falcata
Coreopsis trichosperma
—— gladiata
Iva frutescens
Orchis incisa
Cypripedium parviflor
Lobelia marina
✓ Cantinia flexilis
Lemna dimidiata
Zizania clavulosa
Carex stellulata
✓ —— tubulata
—— lacustris
Xanthium orientale
Ambrosia elatior
Amaranthus lividus
Sagittaria lancifol.
—— pusilla
—— graminea
—— acutifolia
Juglans hybrida
Quercus palustris
✓ Betula populifolia
—— excelsa
✓ —— papyracea
—— tremula
✓ Alnus virginiana (3. fl.
Vacinnia spiralis
Salix Muehlenberg.
✓ Smilax caduca
Populus candicans
—— tremuloides
—— heterophylla
✓ —— betulifolia
Equisetum sylvatic
—— sylvaticum
Botrychium gracile
✓ Asplidium rhizophyllum
✓ Woodwardia virginica

Sphagnum capillifol.
Fucum muticum
✓ Hedwigia filiformis
Cecalyphum longirostre
—— tortile
Dicranum tenue
✓ Didymodon pallidum
Trichostomum canadense
Grimmia controversa
Acetaria heteromalla
Polytrichum piliferum
✓ Dicranum trichodontoid
✓ —— orbicularis
Marchantia emiliat
—— tenella
Riccia natans
—— fluitans
Parmelia olivacea
—— centrifuga
Borrera chrysophthalma
Ramalina fraxinea
Tuber cibarium
Aecidium elaeagnicola
—— pyrolae
Trailia coccinea

NB. We have not a single Equisetum in this vicinity

III. List of the Fungi
which Mr. Torrey sent me with numbers affixed.

Number

5. Boletus varius
7. ——— lucidus.
13. ——— isabellinus? Nob.
12 ——— falcinus.
41 ——— alneus.
16 ——— ferrugineus.
17 ——— micidus..
18 ——— tubiniferae? aut mollis.
~~19~~ 39 ——— var. prior ad Sistotr. violaceum.
~~Thelephora aeruginosa~~
21 ~~Boletus~~ citrinus.
22 ——— nigromarginat Nob.
26 ——— cinnabarinus
27 ——— nitidus
28 ——— betulinus
29 ——— niveus ~~aureus~~
30 Sistotrema cinereum de 35.
33. Agaricus ~~A.~~ coriaceus.
de 54. 88.
~~37~~ Hydnum repandum
38 Agaricus stypticus
40 Sphaeria ~~c~~ elypeum Nob.
41 } Thelephora fasciata Nob.
42 }
43 } Sistotrema ~~violaceum~~ ~~confluens~~ } these species which appear to be parasitic on trees in bottoms — varies a good deal, but preserves the general character invariable
45 }
46 }
44 Agaricus alneus.
50 Clavaria pistillaris
48 Sphaeria concentrica
49 Gyropodium? coccineum Nob. ~~n.~~ a new species.
~~96~~ 96 Sphaeria polymorpha.
51. Thelephora fuscopulata
53 ——— rubiginosa
56 Merulius cantharellus
58 Clavaria angustata? aut flavipes. If angustata so much can only be determined in a fresh state
59 Merisma candida Nob. a very small specimen I have never seen it before
60 Thelephora polygonia
61. Cratericum ~~c~~ pabulinum Nob. very rare here
62 Cratericum clavatum Nob
62 Morchella esculenta
63 Hygronitra stipitata. Genbed a Morchella accord to Persoon's system & new.
65 Boletus adustus
65 Lycogala miniata
66 Agaricus trabeus.
68 Hernella fornicata
~~Sphaeria~~ ~~Geoglossum~~ ~~hirsutum~~ Geoglossum hirsutum
72. ~~Agaricus~~ Merulius ~~ad~~ ~~ad~~ crispum.
80 Peziza elypeata ? Nob.
81 Stemonitis fasciculata
83 Boletus fomentar. var. ny.
84 Sphaeria decolorans.
85 Lycoperdon giganteum var vol
86 Clavaria botrytis? aut formosa.
87 Boletus ~~cryptarum~~ contiguus
89 Cyathus crucibulum
90 Thelephora ramealis
91. Merulius minutissimus. a new species. very distinct
92 Cyathus olla
93 Lycoperdon excipuliforme so far as can be ascertained in the exsolete state
94 Sphaeria sustantionum Nob.
95 Nov. an Sph. barbarum denominand. This requires exam. by the compound microscope
97 Boletus brumalis
98 Lycoperdon gemmatum
99 Agaricus (indistinctus) Smith epidemicum
100 ——— Smith (indistinct) tardus I think
101 Naemaspora crocea
102. Peziza erinacea Nob.
24th 103 Boletus fusus.
104 Merulius ~~m~~ aspus
105 Thelephora guercina
106 ~~Hydnum~~ Mucilia rosea?
107 nov. Too indistinct to determine
108 nov. ~~Hydnum anthracoformis~~ nov. spec.

i. 1.

that botanical Friends like yourself would aid me by communicating Specimens of Cryptogamics of America generally. The catalogue you sent me is rather deficient in these – but I presume you have a collection that contains more species. In my next I will try to send you a Catalogue of all my American Cryptogamists; but in the mean time you will greatly oblige me by any you can spare! Does the Sea in your vicinity afford any variety of Fucus & Conferva? This division is naturally entirely out of my reach except by the kindness of friends; my European specimens are pretty numerous – & I have about 25 species of sweet water Algæ here, & hope to find more. Mr Elliott has sent me lately a fine collection of South Carol. Fungi. Can Decandolle Species Plantarum be procured in New-York & what is their price?

Any parcel you wish to send me reaches me lately when addressed to Mr John Jordan Philad. or Jacob Ritter Philadelphia. The latter address I prefer because Mr Ritter more frequently sends goods hither. I would thank you to favor me with your address more particularly. I shall certainly send a specimen of my Monotropsis (sit venia nomini barbaro) (while Nuttall has not mended the matter by my own still more barbarous name) with my first remittance to you.

Accept dear Sir, my hearty thanks for the favor of your correspondence & let me indulge the hope that you will continue it & thus oblige

Your most obedt Servt

Lewis D. Schweinitz

By the Rev. C. F. Denke lately established in our vicinity the botanical fraternity of North Carolina, has obtained a valuable recruit & now forms a quadro! Rev. Jacob Van Vleck, C. F. Denke & myself here, & Prof. Mitchell at Chapel Hill. I am afraid there is no other land in the state.

When you do me the honor to write pray let the letters be directed to Salem Forsyth County North Carol, & put them into the mail at Cheraw. They reach me much sooner than by Independence to Philadelphia. I would you to inform me, where my friend Mr John Leconte is at present.

Your Gratiola neglecta gave me much pleasure; I had observed it here this year & had made out the same name for it, a coincidence trifling in itself but I cant help taking such trifles as omina fausta! Looking over your letter I cant help remarking upon the epithet "difficult" which you attach to the study of the tribe of Fungi. I am of opinion that it is by far the easiest of the Cryptogamic divisions. The species are much more characteristically divided & when once you have a considerable number in your mind you will rarely be at a loss. Wherever there are a considerable number of varieties attached to some species among the Fungi they almost always partake so strongly of the specific characteristic that they rarely occasion doubt.

Mr John Torrey

New York.

Care of
Sam. L. Mitchill
M. D.

Recd.

L. Q. Schermerhorn
June 24. 1820
Rec. 8 A.M.

101.

Salem, October 22d 1820

Dear Sir

Your highly esteemed letter of July 29th reached me in due time & gave me the most sensible pleasure & should undoubtedly have answered it on the spot, had I not wished to accompany it directly with a box containing some of those plants & which you desired from me, which I found no leisure to get together before this. I now however have the pleasure to inform you that I have made up a box for you, which is to proceed on to Philadelphia in a week or two, the contents of which I shall by leave to specify below. Your kind offers of providing me with what I shall want in my collection are exceedingly acceptable; especially so you can perhaps procure for me southern plants from other Botanists, even should they not grow in your vicinity. With a view to point out such I beg leave to inclose a list of such as I had some time since made out — which however contains numbers of those that are included in your Catalogue. ~~Your wants~~ I need not add that it will be a great pleasure to me to serve you & your friends with everything I can command.

Your request as to specific characters of the new fungi sent me by you I shall strictly comply with, but must beg your indulgence in that respect & with regard to further communication of fungi till towards Spring as it will take me nearly all the winter to arrange & describe what I have on hand.

I have since the receipt of your letter had the good fortune to find both the Phallus coccineus (as I take it to be — the not prepared of Sowerbys) Fungi — & Phallus beyond all doubt — I have made a drawing of the P. impudicus (non indusiat).

My friend Rev. J. Van Fleet also is very zealously attached to the study of botany, is on account of his age no longer able to collect plants. But Mr Denike on the other hand, with whom I have planned for the next year two excursions into our northern mountains — promises great activity & I hope thro his means chiefly to be enabled to procure for you Mr Cooper & Mr Halley, from whom I have received a letter which is answered by the enclosed & by a little package contained in your box. & other friends everything that we can get at. I was not a little pleased to find that you correspond with so many of the European botanists — especially with Acharius in Stockholm whose genus Algarum I most earnestly desire to procure & beg you to let me know what is the title in full. Perhaps you may be able to let me have some European Cryptog; if you are supplied with duplicates & I shall beg to communicate to you occasionally a list of those I propose, in order to see whether you can do so. No supplement to Persoon has ever been published to my knowledge. But a most excellent work on the Fungi by Nees van Esenbeck (bating

the nonsensical metaphysics which pervade the reasoned part of it; full of the most accurate observations & truly deep reflexions entirely in the Gardener language is in my hands, which will be of great advantage. There is a volume of Copperplates belonging to it which renders the book pretty dear. I am now anxiously expecting the box you have sent on to me, by the return of the waggons which take the one I send you to Petersburg. It would be a fine plan to keep boxes continually under way in this manner. Should you have opportunities to send on directly from Newyork to Petersburg in Virginia Addressed to Caldwell & Orr it would greatly facilitate the business (giving me notice as often as you have sent them a box) & if you in that case would so desire it, it would perhaps be equally advantageous for me to order what I can send you directly from Petersburg for Newyork. My project of writing a work on Am. Cryptog. will depend much on the contributions I may receive from others. I am sorry to observe that not all American botanists are as free as you yourself in communicating their observations — which I cannot comprehend — it always being my greatest pleasure to do so.

I now advert to the contents of the box. I have made up to you it contains 1) 237 Phaenogamous plants such as I conceived by your directions would be acceptable to as I had on hand. 2) a number of Fungi that I had put up for the purpose collected before this year. Of both I have retained lists, so as to know what I have already sent you, when again able to make up a packet. The following is a list of the Phaenogamous plants:

Podophyllum peltatum
Ontra nidifica
— foliolosa
Chiranthus virginicus
Gratiola pedunculosa
— sphaerocarpa ?
— acuminata
Utricularia gibba
Lycopus angustifol.
Salvia urticifolia
Monarda ciliata
Lemna trisulca
— cherokeensis Nobis
Iris verna
Commelina communis
Juncus setaceus
Carex reflexa Nobis
— stramina
— bracteosa Nobis
— stellulata
— nigromarginata Nobis
— scoparia (bromoid)
— obnupta
— cacospitosa
— gynandra Nob
— cylindrica Nob
Scirpus reticularis
Chyllinga maculata
Rynchospora gallicola Nob
— rariflora
— cymosa
— distans
— capitellata
— interrupta
Cyperus bipinnatus ?
— uniciniatus
— mariscoides

Leersia ciliatifol
— ovatus
Panicum pictum Nob
— anceps
— scoparium
— ciliatum
— barbulatum
— nitidum
Saccharum laeve
— dasyphyllum
Andropogon linifolius
Uniola paniculata
Melica speciosa
Aristida spicifolia
Avena strigosa
Sacchorum [illegible]
Andropogon ambiguus
— melanocarpus
— tenuiflorus
Eriocaulon decangulare
Diodia virginica
Houstonia longifol
Galium circaezans
Trifolium trifoliat
Uvularia sessilifol
Sarracenia purpurea
Ilex prinoides
Polamogeton perfoliatum
— pectinatum
Cynoglossum officinale
Pulmonaria virginica
Mitella diphylla
Dodecatheon meadia
Lysimachia longifol
Erythraea pulchella
Spigelia marilandica

Convolvulus ? Nil
— tamnifolius
Ipomaea coccinea
Polemonium reptans
Phlox undulata
— paniculata
— divaricata
— ovata
— glaberrima
— pilosa
Pentstemon pubescens
Caprifol. sempervirens
Symphoria glomerata
Triosteum angustifol
Physalis pubescens
Bumelia lycioides
Viola heterophylla Nob
— obliqua
— villosa Elliot
— decumbens Nob
— ochroleuca Nob
— eriocarpa N.
— variegata
— debilis (rara)
— striata Lecontei
Angelica atropurpurea
Amsonia tabernaemontana
Gonolobus hirsutus
Asclepias obovata
Ulmus nemoralis
Celtis pumila
Eryngium yuccaefol
— aquatic
Thaspia trifoliata Nob
Thaspium barbinode
— aptera (cutacifol. Lindl)
Pinus aromaticum

Viburnum cassinoides
Crotonopsis elliptica
Lantorrhiza apiifolia
Tillandsia usneoides
Tradescantia rosea
Amaryllis atamasco
Allium inodorum
Polygonatum angustifol
— latifolium
Helonias erythrosperm
Tofieldia pubescens
Trillium pendulum
Smilax quadrangularis
Dioscorea glauca
Canatrea linearis
— glauca
— pinnata
Lacroce diospyros
Baptisia coerulea
Schweinitzia (Nuttall) odorat
Vaccinium caespitos (Labrad)
— fuscatum
— tiguotinum
— resinosum
— stamineum
Andromeda floribunda
Pyrola uniflora (Canada)
Styrax grandifol
— laevigatt
Rhododendron erecta ?
Hydrangea nivea ?
Arenaria patula
— stricta ?
Sedum pusillum
— ternatum
Acorum aristolium
Decumaria sarmentos
Talinum teretifol.
Portulaca pilosa Michelenb
(this I believe to very little known.)
Cuphea viscosissima
Euphorbia corollata
Crataegus glandulos
— ?
— apiifolia
— punctata
— pratmalata
Spiraea stipulacea (Gillenia)
Calycanthus floridus.
Helianthemum carolin
Fol. Saraceniae flavae
Symphoros tinctoria
Potentilla alnifol
Hypericum nudiflor
— axillare
Astragalus caroliniana
Delphinium azureum
— exaltatum
— — nov. batch.
Aconitum uncinatum
Porcelia triloba
Clematis virgina
— cordata
Anemone trifoliate
Sagittaria simplex
Caladium sagittifolium
Stachys hyssopifol.
Scutellaria marginata N.
— ovatifolia
— pilosa
— parviflora
Verbena paniculata
Linderniea monticola
Ruellia strepens
Draba (Arabian)
Tenebiera incisa

Dentaria diphyll
— multifida
Cardamine spatulate
Tafiflora incarnate
— lutea
Corydalis aurea
Polygala polygama
Lobelia racemosa Schweinitz
— puberula
Podanium carolin.
Glycine tomentosa
Clitoria mariana
— virginica
Galactia glabella
Seotanda trifoliata Nob.
Trifolium reflexum
Psoralea melilotoid
— argyr.
Eupatorium foeniculae.
— truncatum
— linearifol
— album (glandulos)
— coelestinum
— rotundifol
Liatris acepatorioid.
Marschallia lanceolata
Vernonia praealta
Liatris macrostachya
— pycnostachya ? spicata
Gnaphalium purpur
Erigeron ciliatifol. (Leonia)
Senecio gracilis
— —
Cineraria heterophylla
Solidago reflexa
— rugosa
— asperella
Doronicum nudicaule
Helianthus limacifolius
— atrorubens
Coreopsis auriculata
— trinteris
— tenuifolia
Rudbeckia fulgida
— —
Silphium integrifol
— asperifolius
— connatum
— ternatum
Parthenium integrifol.

Sph. perregrinus
fasciata
radula
capillaris
pentagona
convergens
pulchrata N.
Vitis N
decolorans
popatina
appendiculata
insidens N
codicantni N
cupularis
incurvitata
existata var
dehiscens
contorsa
stricta
biformis
gnomon
acuta
rubella
papilla N
mamillaeform
fenestata
pezona
aurantia
bysifoda
rosella
cruciferum N
avina
exinita
strigosa
hirsuta
hispida
modulans N
spermoides
patella
tinyam
doliolum
herbarum
fissa
operculata
sanguinea
incrustans
inquinans
tiliae
circumcisa
corticalis N.
tristis
nitrarii
dendroidal N
migrificans N
atropurpurea
solidaginis
vernicularia
95.
Stilbospora sphaerosp.
— aphyllostata
— macrosperm N
— asterosperm
Hypoxylon thelicatum
— torquum
— relabi
— angustatum
— reticulatum
— globosum
— abietin.
— capsicae N.
— picicore
Gonium pectinatum
Xylotoma pertenuis N
— similaris N
— confluens N
— prunoides N
— punctatum
— velatum N
— asteridis N
— deflatum N
— rhoidis N
— pezizoides
— fagineum
— Fotnoegollae N
— carpophilum N
— Ulmi
— asterifuses N
Tubercularia vulgaris
— granulata

Sph. dififormis
— gifercina
sordida
friabilis
bullata
verrucaeform
cephalanthi N
liriodendridi N
platystoma N
diospyros N.
affecta N
horrida N
spinosa
spiculosa
Sassafras N
phytanthemi N
Cucurbitae gloriosi N.
Striaeformis

237.

These are put up in paper at the bottom of the box & labeled with the names under each plant.
The fungi are wrapped up seperately in papers & the name written on. Some of them probably were among those you have, but as they are not many I did not take the trouble to pick these out as this collection was made up before I received yours. My next box will contain a good number of fungi which remain to be assorted & I shall take care to send none of those you have already. By my list the present collection contains

+ Sph. hypoxylon
+ — polycentricum
— fragiformis
granulosa
rubiginosa
cohaerens
fusca
flammeum
alcesta
tessula
citrina
lacifluorum N
macula
serpens
atropunctata N
fragiforme
dispersum N.
pulvinata N
proboscides.
ceratophorum

Sclerotium orobanchoid N
—— Scutellatum
—— deveum (var)
Gastrum hygrometric
Onygena decorticata
Hydnum Lyfimachiae N
—— Similacis N
—— fraxini
Uredo clinopodii N.
—— alegrikantopolis N
—— similacis N
—— Caladii N.
Puccinia verbefinae N
—— Similacis N
—— Circaeae N
—— podophylli N.
—— Hydrophylli panic N.
—— lesfiedzae N
—— Polygonivivi N.
Agaricus fleyptices
—— variabilis
—— epigaeus
—— helmeus
Merulius incarnat N.
Boletus mollis
—— fusus
—— duftus
—— cutipes
—— reflectinus
—— rutilus
—— superifical N. nigrosporus
—— Spongiosus N
—— floccipes
—— medulla panis
—— viticola N
—— maculus
—— incarnatus
—— pezizoides N
x Sistotrema cinereum
—— fagineum
—— flimbriatus
Hydnum ochraceum
—— crustulos.
—— niveum
—— calvum
—— oblafum
Thelephore bicolor
—— rugosa
—— hirsuta
—— laevis
—— viticola
—— sanguinea
—— granulosa
—— fasciculata
—— incarnata
—— albicans
—— aurantia
—— umbrina
—— calcea
Tremella aurantia
Tozza sanguinea
—— granuliforme
—— fasciata N
—— citrina
—— triangularis N
—— lusitanicum
—— insana
Sphaeria Sphagnicum
—— umbrina
Puccinia botrytis (Bot. Sporigi)
Dermatium fasciculat
—— citiare
Flimantia domestica
190. Fungi

I am apprehensive that some specimens of the Fungi will not be distinct enough. In that case I shall always be ready upon your naming them (except where this indistinctness arises from the difficulty of preserving them) of sending you better specimens if I can get them. It is pretty troublesome to preserve them properly — As to the Agarici & Boleti of soft texture & other similar ones I have never made an attempt - but chiefly made drawings of them. You will no doubt be so kind as to hand the inclosed packet & letter to Mr Abraham Halsey. & if Mr Leconte is still at Newyork you will oblige me much by letting him know that I wrote to him at some length a good while ago requesting his directions concerning the copying of my Fungi, but have not received an answer.

I remain with the greatest respect
Your most obdt Servt
Lewis D. Schweinitz

P.S. I just observe that the Tuber citariadum is among the Fungi in your Catalogue of N. Plants. I have never seen that, altho' I have looked for it with great zeal — if you can send me some specimens it will oblige me very much.

L. D. Schweinitz
No 2.
Oct 22nd 1820
Rec'd Nov 1st

Salem January 11th 1821

Dr Torrey New York.

Dear Sir

It is a confident hope that the box of plants which I addressed to you has by this time arrived (having had news of it as far as Philadelphia) & given you some little satisfaction I beg to express to you the extreme delight the receipt of your package of plants shortly after mine were sent off gave me, together with those sent on by Mr Wm Cooper to whom I shall write a few lines today.

I should have written to you in answer earlier than this day, if I had not thought it would be more agreeable to you to receive my list of the delightful quantity of Cryptogamists included — which required time to be examined. I now have the pleasure of subjoining that — & have succeeded in determining them all — with the exception of a very few that were either too indistinct — or which I had the misfortune to loose by their dropping into a heap of rubbish as I was going to examine them from which they could not be extricated. Also I was extremely gratified by the Phaenogamous plants you have so kindly sent me, & earnestly beg you will be so good as to continue — still I must confess I was still more delighted by so fine an assortment of Cryptog. especially of Musci. These arrived in excellent time, just as I was commencing a thorough examination of my whole collection, & of a good large bag of Mosses collected in Canada by my friend Mr Denke — so that I believe I can say they have been pretty well ascertained; it is of great importance in the exam. of Musci, that you should have as great a number together as possible. The result of my labors on the Musci frondosi et Hepatici has been the following.

I find mention made in Authors of

Musci frond. 276	Species American ones including a number which I have found, not heretofore mentioned as American & a very few new ones established by me.	Of these I possess 263 from America so that at present only lack 13 species of hitherto described Am. musci frondosi. & of these there are only 4 species which are not in my collect. of Europe	
Musci Hepat. 76	Species recorded or found by me, of which some are new.	Only two of these are not in any American collection.	

The whole number of Musci Frondosi in my Collection is 442 species
of —— hepatici —————— 98 ——

Of both Frondosi & Hepatici I have put up for you specimens of all of which I had duplicates — that are not mentioned in the New York Catalogue or among those you sent me, besides a considerable number of European ones from my duplicates which are always distinguished by being in blue paper

I am now on the point of reviewing my Lichens in the same manner. I have 562 species in my collection of which no less than 441 are American ones. When I have finished this work I shall have about sufficient to send on another box to you. The way which we have begun of thus communicating specimens of Cryptog. is the only one I believe which will enable us at length to get a competent knowledge of the immense numbers of Am. Cryp. plants — & I therefore earnestly solicit you to send on in the same manner, whatever you think proper to communicate to me. I shall always send you back a similar list, with the one here inclosed — containing my opinion on all the spec. communicated. I think I have mentioned to you my Idea of publishing a Cryptogamic Flora of N. America. I am now in communication with a printer at Raleigh for publishing a specimen of such a work, which I intend shall contain the Musci hepatici on act of their simpled number. My plan is that such a work should be as a kind of second part to Pursh, & therefore modelled upon his plan; & the specimen I intend to give will enable scientific friends to judge, whether that be a good plan. My only fear is the size of the work — for imperfect as my present collections are the whole already amounts to a very large number Fungi 1700. Lichens 441. Musci 352. &c. &c. so that it must comprise near 2500 species. Besides I should not pretend it to be anything besides a Prodromus, for the purpose of calling the attention of Am. Botanists to this part of the science. Our higher mountains, & our southern swamps & seaboard must necessarily contain immense numbers of Cryp. plants hitherto quite overlooked. I am preparing for an expedition to the Grandfather mountain this spring, chiefly with a view to Cryptog. — but unhappily have little prospect of ever being able to get into our famous Dismal swamps &c of whose fertility I have a still better opinion especially in M. fronds & hepat. Can you procure me information where Mr Nuttall now resides? I wish much to become acquainted with him, & to propose some questions to him concerning the Cryptog of the Western country.

This year I shall exert myself together with Mr Denke in collecting all Phanerog. &c. plants which our neighborhood contains in order to be able to meet the wishes of you, Mr Cooper & Hally (this latter gentleman writes me that he has sent on a parcel for me which however has not yet arrived) — I intend to send you a copy of my list of Am. plants generally not yet in my collection — hoping that you might perhaps procure some for me, ~~com~~ not growing in your vicinity, by perhaps receiving duplicates from others. The small list now Enclosed by Right Rev. Jacob Van Vleck designates such of your Catalogue as he would be glad to procure — & on the other page I repeat to you a more correct list of those which I myself should be glad to receive from your Catalogue, together with the few American mosses which are wanting in my collection. I hope you will find time shortly to let me know how the plants I sent you answered your wishes. With the greatest respect I remain Yours most sincerely

Lewis D. Schweinitz

P.S. Do you think Dr Sullivan would give place in his excellent work to a short review of the Musci fronds of Am.?

List of the Cryptogamous plants sent L. Dr. by Dr. Torrey New York as they have been established by him

I. — Musci Frondosi. NB. I arrange them as established by me, in the proper order affixing to each the Label which was on the plant.

The Musci Frondos. according to Dr. Schwägrichens arrangement in his Supplement to Hedwig.

† Signifies that it was rightly determ. by Dr. Tobias.

1.	Anoectangium filiformis.	Labeled.	† Hedw. filiformis, Gymnost filif. Sprengel
2.	Gymnostomum prorepens	——	Orthotrichum 4. anomalum?
3.	Weissia microdonta	——	† Grimmia microdon. Sprgl
4	Grimmia pensylvanica	——	† sic.
† 5	—— maritima	——	Grimmia — b. Serpentine rocks Middlefield
6	Pterogonium repens	——	Leskea repincola? N. Jersey
7	—— trichomitrion	——	† sic.
8	—— virtellum?	——	† sic in the same paper with Leskea fasciculata which however is not the true one — but last by me.
† 9	Didymodon lineare? Mohl	——	Dicranum rigidulum. Was not this Label intended to be Didymodon rigidulum? It is not that by comparis with Europ. specimens, certainly a Didymodon & probably the one Mohl. relates — altho' there is no description thereof. It has no resemblance to Dicran rigidul.
10	Barbula caespitosa	——	Barbula — a Cedar Swamp
11.	Trichostomum pallidum	——	† sic.
12.	Dicranum curvatum	——	Dicran. hederomallum.
† 13	—— xanthodon	——	Dicran. a a. Sandy soil near Flushing
14	—— flagellare	——	Dicranum orthocarpon — twice.
† 15	—— strictum	——	Dicranum { — cc. Bloomingdale; — bb. Cedar Swamp.
16	—— virens	——	Dicran. cervicculatum.
17	Orthotrichum affine	——	Orthotrich. 3.
1 18	—— pumilum	——	Musc. 5 P. H. Cooley.
† 19	—— strangulatum	——	† (sic) O — 5.
20	—— cupulatum	——	† (sic) O — 4.
21	—— anomalum (fascicule B)	——	Orthotrich. — 2.
22.	Bartramia fontana	——	Bartramia — a Brooks.
23.	Webera nutans (Bryum aureum) in the same paper one small specimen of Mnium cus	——	} Bryum — a Flushing.
24	—— pyriformis.		
25	Meesia longiseta	——	† Diplocomium longiseta.
26	Mnium punctatum	——	Mnium — a.
27	Leucodon sciuroides (Fissidens alius)	——	Weissia — a Trunks of trees
28	Neckera pennata	——	† (sic)
29	—— cladorrhizans	——	Leskea 1 P. Trees & stumps
30	—— fadiciria	——	Pterigynandrum filiaceum Cedar swamp

31. Leskea polycarpa f. flor. — Labelled — Hypnum? Rocks in brooks
32 — varia — — № 18.
† 33 — squarrosa? — — № 60. a.
34 — fenicea — — Leskea — 19 Woods
35. Hypnum denticulatum. — — { Hypnum ×× / Hypnum a Cedar Swamp
36 — fluviatilum — — № 16.
37 — confertum — — № 8 Herb. Dewey
† 38 — adnatum — — Hypnum — 9 about roots of trees
39 — oxycladon — — Hypn. 20.
40 — minutulum — — { № 86 Hypn. Schreberi aff. / Muscus. № 23 H. Cooley / H. minutulum?
41 — tamariscinum — — † (fic)
42 — protensum Mse — — Musc. № 95 Litchfield Connect
43 — lutescens — — Hyp. falcatum affine
44 — filiferum — — { № 5. Herb. Dewey / № 50 Herb. Cooley
45 — intricatum — — № 67.
46 — serpens — — Hypn. № 22 Herb Dewey
47 — triens — — { Hypn № 9. Herb. Dewey / Hypn. — a. Woods.
48 — microptyllum — — № 16 Hypn. chrysophyllum Mk.?
49 — chrysostomum — — Hypnum — t. Hill sides near Flush.
50 — radicale — — № 68.
51 — recurvans — — № 70 (Hypnum)
52 — uncinatum — — { Hypnum — s. / № 53. Herb. Cooley.
53 — imponens — — † (fic)
54 — curvifolium — — Hypnum crista castrensis
† 55 — Torreyanum — — † (fic) twice
56 — commutatum — — Hypn. — r.
† 57 — micans? Mkt. — — { № 2. Herb. Dewey / Muscus. № 83.
This is a mere presumption, as I find no description of Mkt. / H. micans.
58 — ? sabinaefolium Bridel — — Hypnum u. Trunks of trees N. Torrey
This moss I have often found here but never with Capsule (as indeed Bridel never saw any) so that it is impossible to say whether it is a Hypnum. It has much the appearance of a Pterogonium rather of Anoectangium.
59. Polytrichum juniperifol — — † (fic)

NB. The † prefixed to my numbers — shows that the moss so marked was new to me, & determined by me without comparison of other specimens.

II. Musci Hepatici — Arranged according to Weber.

1.	Jungermania tamariscifolia	Labelled —	+ { 17 — J. tamarisc. / — J. tamarisc. — ? α / J — L
2.	——— dilatata	———	{ J. tamarisc. Trees / J. orbicularis cum fruct
3	——— bidentata	———	+ (fic) Middlefield Cedar Swamp
+ 4	——— nodifolia (fontularioid Mx)	———	+ (fic) Middlefield
+ 5	——— laciniosa	———	+ (fic) Rottenlays
6	——— multifida		+ (fic)
7	——— viticulosa		viticulos aff.
8	——— polyanthos	———	Jung. 20 Cedar Swamp
9	——— Sphagni	———	+ J — c. Sphagni Dichs
10	——— bicuspidata	———	J — e. Sandbulls near Flush
11.	——— tridenticulata Mx	———	+ (fic)
12	——— Porella	———	+ J viridis. Sprgt Porella?
13	——— platyphylloidea Nobis	———	J. platyphylla cum fruc
14	——— platyphylla	———	J. 20. platyphylla var.
15.	Blasia pusilla	———	Jung. 18 — on the earth in shady places.

III. Lichenes — according to Acharius.

1.	Lecidea parasema	Labelled —	+ (fic)
2	——— fulva Nobis	———	Lecidea a. Nobohen
3	——— confluens var. sorizza	———	Lecidea — b.
4.	Gyrophora Muhlenbergii	———	+ (fic)
5	Opegrapha vulgata	———	Lichen 91. Opegrape
6	Verrucaria gemmata	———	№ 96 On Fagus.
7	——— composita Nobis	———	№ 95 On Carpin.
8	Endocarpon miniatum	———	+ (fic)
+ 9	Thelotrema cinereum Nobis	———	Lichen № 22.
			This is a quite new Species never before observed.
10.	Lecanora subfusca	———	+ (fic)
11.	——— tartarea	———	Lichen № 93.
12	——— cafio-rubella	———	Lecanora albella.
13	——— granulosa	———	№ 97. Pinus frost.
14	——— Smithii	———	Lichen. № 92.
			I never before saw this with fuchsellae
15.	Evernia prunastri	———	Lichen 136 Herb. Cooly.
16	Parmelia stellaris	———	+ (fic)
17	——— Borreri	———	Parmelia a. Rochs.
18	Cetraria fallax	———	Parmelia b (Cedar swamp
+ 19	——— viridis Nobis	———	Lichen 94 a new species.
20	——— lacunosa	———	+ (fic)
21	——— an eadem aut nova!	———	152 Herb. Cooly

22. Peltidea scutata — Labelled — + (fic)
23 Caenomyce psycidata — Cenomyce a.
24 — cocifera — Cenomyce b.
25 — allotropa — Cenomyce d.
26 — rangiferina } — { Caenomyce c
27 — uncialis } — In this paper the two species mentioned are entwined.
28 — phyllophora — Lichen 83.
29 Collema tunaeformis — Collema a.
30 Collema — ? indeterminat — Lichen 80.

IV. Fungi

1. Arcyria flava — Labelled. 116.
2. Physarum clavus — 121.
3 — avanticum — 124.
4 Exibraria vulgaris — 113.
5 Lycogala miniata — 112 in a particular state
6 Sclidium Rubi N. — 117.
7 Tozza fusicorea — 119.
8 Thecophora caryophyllea — 118.
9 Rhizomorpha spinosa — 123.
10. Exineum betulinum — 122.
11. Rizomorpha subcorticalis — 120.
12. Tremella lacrymalis — 110.
13. Merismo candida N. — 114.
14. Sphaeria polymorpha — 109 in an obsolete state

What you supposed a parasite which frequently covers the foot, appears to me to be only the tomentum.

15 Sphaeria limaeformis N. — 115. S. forpens.

16 — 118. This would be a Dermatium according to Tulasne; but most evident is a new Seiridium and to Ehrenberg a most remarkable species which I shall call Seiridium giganteum.

Musci Frondosi	59
— Hepatici	45
Lichenes	30
Fungi	16
	120.

List of Plants said to grow in the Northern States wanting in my collection

No 2.

Zostera marina.
Caulinia fragilis
—— flexilis.
Salicornia virginica
—— ambigua
Chara flabra M.
—— * tenuis M.
Ulmus americana P.
Fraxinus sambucifol.
—— acuminata
+ Utricularia vulgaris M.
Lycopus amplexicaul M.
Monarda Malmiana P.
Salvia verbenaca
+ Lemna minor
+ —— gibba
+ —— polyrhiza
+ Sparganium natans.
+ Typha latifolia
Carex divulsa
+ —— leporina
—— digitalis
—— lacustris
Schoenus mariscoides M.
Cyperus incomatus P.
—— tuberosus. M
—— virens P.
—— phymatodes M.
Dulichium canadense
Scirpus intermedius M.
—— planifolius M.
—— acutus M.
—— puberulus M.
—— validus.
Spartina cynosuroides M.
Zizania miliacea P.
—— fluitans.
Milium amphicarpon
+ Agrostis spicaventi P.
—— stricta
—— alba
—— juncea.
—— stolonifera M
—— involuta M.
—— clandestina M.
—— glauca M.
+ Poa brevifolia M
—— stolonifera M
—— maritima
+ Briza media
—— canadensis
Uniola spicata M.
Arundo donax
+ —— phragmites
+ —— arenaria
+ —— cinoides
+ —— epigeios
+ Lolium temulentum
Elymus philadelphicus
—— canadensis
—— villosus.
+ Hordeum jubatum
+ Triticum repens
+ —— caninum
+ Panicum Italicum
+ —— verticillat.
Holcus lanatum M.

+ Dipsacus sylvestris
Plantago cucullata P.
—— pauciflora P.
—— maritima
—— cordata M.
Exacum pulchellum
Swertia corniculata
Frasera Walteri
Sanguisorba media M.
Oldenlandia glomerata
Galium mikranthum
Cornus alba
Urtica capitata
Onosmodium molle
Lycopsis virginica
+ Hottonia palustris
Hydrophyll canadense
Lysimachia longifolia
Sabbatia stellaris
Gaulia bipinatifida
Campanula nitida
Lonicera dioica
—— ciliata
+ Hyoscyamus niger
Ribes cynosbati
+ Impatiens aurea
Vitis labruscoides.
—— odoratissima
Claytonia perfoliata
Azalea arborescens P.
—— nitida
—— viscida
Physalis pensylvanica
—— philadelphica
Hamiltonia oleifera.
Apocynum hypericifol
Asclepias debilis P.
—— polystachya M.
Salsola Kali
—— Tragus
—— salsa
—— soda.
Gentiana alba M.
—— latea M.
—— angustifol. P.
Eryngium virginian
Lilinum canadense
Ferula villosa
Linum lineare
Chaerophyll canadense P.
Asclepias laeviata
—— tuberosa
Viburnum oxycoccos P.
—— edule
Pilus viridiflora.
Amaranthus viridis
—— paniculat
—— retroflexus
Aralia racemosa
Allium triflorum
—— tricoccum
Lilium Catesbaei
—— pensylvanicum
Uvularia flava
—— lanceolata
—— rosea
—— amplexifolia
—— distorta

Smilacina umbellata
—— stellata
Polygonatum pubescens
Lucus setaceus.
—— verticillata
—— melanocarpus
Tofieldia americana
Trillium obovatum
Premna verticillatus
Zigadenus glaberrimus
Alisma subulata
—— natans
Aspidistra glabra
+ Epilobium palustre
Oenothera chrysanth
Acer saccharinum P.
Menziesia globularis M
+ Polygonum maritimum
+ Myriophyll. spicatum
+ —— verticillat
Vaccinium ligustrin. P.
Gymnocladus canadens
Mitella cordifolia
—— reniformis
—— prostrata
+ Dianthus armeria
Arenaria candensis
Cerastium semidec
Prunus nigra
—— virginiana
—— pumila
—— depressa
—— pensylvanica
Pyrus floribunda
Porbus microcarpa
Spiraea hypericifol
—— tomentosa
—— corymbosa
—— crenata
Rosa gymnella
—— fecotina
Geum stricta
—— atrimonioids
—— album
—— Peckii P.
Potentilla anserina
—— supina
Fragaria canadensis
Helianthemum corymbos
Nymphaea malmiana
Dalisca hirta
Thalictrum Cornuti
—— pubescens
Hydrastis canadensis
Brasenia peltata
Caltha ficarioides
+ Ranunculus linguia
—— cymbalaria
—— repens
—— maryland
Sagittaria hastata
—— gracilis
—— heterophylla
—— rigida
—— obtusifolia

+ Ajuga chamaepitys
Melittis borealis
— tenuis
Hypoxis scropularioides
Pycnanthemum lanceolatum
— verticillatum
Dracocephal. denticulat
Trichostema lineare
Scutellaria incana
Linnea borealis
× Hypericum canifol
— micrantha
Scrophularia lanceolat
Lappania lanceolat M.
Gerardia erecta
— auriculata
Antirrhinum canadense
Pedicularis pallida
Tentstemon laevigat
Draba arabizans
Cakile maritima
Iberis repens
— rhomboidea
× Teucrium laevigat
— ovatum
Lobelia Claytoniana
Sida Napaea
— dioica
Hibiscus palustris
— militaris
— virginicus.
Corydalis formosa
Lathyrus palustris
Vicia pusilla
— americana
— Cracca
Trifolium pensylvanic
Hedysar. canadense
— Omarilandi
— obtusum
— strictum.
Lathyromene hirsuta
Medicago lupulina
Asparagus autumnalis
Sonchus macrophyllus
— leucophaeus
— pallidus.
Hieracium Thalmii
— vergatum
— scaberophyllum
Cardamine hirsuta.
Thalmii Crilonia
Eupatorium hyssopifol
— amoenum
— punctatum
— aromaticum
Cacalia suaveolens
Conyza marilandica
Cineraria canadensis
Tussilago frigida
Inula falcata
Solidago ciliaris
— latiflora
— villosa
— arguta
— recurvata
— fenquerinerus
— livida
— lithospermifol
— virginica
— macrophylla
— flexicaulis

— Epea hydropifolius
— graminifol
— linifolius
— fabulatus
— sparsifolius
— corticifolius
— humilis
— salicifolius
— prenanthoid
— laevigatus.
— canescens
— spectabilis
— serotinus.
— cardifolius
— blandus
— radula
— strictus
— trachelianus
— laevis.
— decasperm
Boltonia glastifolia
Bidens cernata
Helianthus multiflo
— macrophyllus
Aster ofia heterophyll
— paniculatus
Orchis bracteata
— hyperborea
— incisa
— fissa
— clavellata
Aretusa convallarioides
Cypripedium candidum.
— parviflorum
Aristolochia Sipho
Valerianeria americana
Nayas canadensis
Euphorbia dentato
Salix candida
— muhlenbergiana
— recurvata
— pedicellaris
— lambertiana
— lucida
— primoides
— angustata
— longifolia
— falcata
— cordata
— petiolaris
— ambigua
Populus candicans
— betulifolia
— grandidentata
— heterophylla
Betula populifolia
— excelsa
— papyracea
Alnus crispa
Quercus heterophylla
— trilobe
— coccinea
— ambigua
— Scotaurea
Juglans fulcata
Rhus Fraseri
— rubra.
— alba
— refinosa
— blanchfiana
— serotina

Equisetum sylvaticum.
Polypodium connectile
Aspidium cicutarium
— punctilobum
— atomarium
— rigidulum
Anoclea obtusiloba
Pteris gracilis
Hymenophyllum ciliatum.
Phegopteris ferratum & Muhlenb
— carinatum
— flexuosum
— muhlenbergian.
Woodsia torsitis
— gracilis
Dicranum semicompletum
— ambiguum
Trichostom tenue
Didymodon lineare
Neckera heteromalla
Leskea delicatula
— squarrosa
Bartramia longiseta
— Menziesii
Mnium ventricosum
Hypnum spiniforme
— muticum
— filamentosum
— proprelum
— tenerum
— tenax
— reflexum
— radicale
— micans
Jungermannia connivens
Lecidea pineti
— varians
— spodicea
— globifera
— sordidata.
Gyrophora mollisata
Endocarpon squamulos.
Lecanora intermata
— sheatina
— fagelaea
— circolate
— strypomelaina
Parmelia galbinea
— rudecta
— setosa
Borrera stryophthalma
Ramalina Bomalea
Usnea trichodea
Tuber cibarium
Secidium Actaeae
Phallus cocineus
Peziza coccinea

This list is not complete any rare New England plants or Canada - or near the Niagara lakes - will be very acceptable.

N. 3.

Musci frondosi Americani – non in Herbario Lin.

Tortula ruralis
Trichostomum latifolium (Dicranum ad. Mohl.)
Dicranum polycarpon
Fissidens grandifrons. Boston
Bryum carneum
Mnium cuspidatum

Neckera macropoda
Leskea adnata
Hypnum purum
stellatum
nitens
fluviatile
squarrosum.

What is intended by the Hypn. compressiforme in your Catalogue? whence is the name?
2d Hypn. setaceum

Targionia hypophylla – among the M. hepat. is said to be in America – have you met with it?

Revised List of Phaenogamous plants in New York Catalogue, wanted by me

Blitum maritimum
Utricularia macrorhiza
Fraxinus sambucifolia
— discolor
— concolor
— platycarpa
Cyperus parviflorus
— erythrorhizon
— virens
Scirpus tenuis
— intermedius
— acutus
— macrostachyus
Eriophorum angustifol.
Agrostis stricta
— compressa
— inflorescens
Aira melicoides
— caespitosa
Uralepis aristulata
Alopecurus pratens.
Panicum viride
— italicum
— microcarpon
— macrocarpon
Cynodon dactylon
Poa brevifolia
— pratensis
— capillaris
— palustris
Briza canadensis
Lechea racemulosa
Plantago cordata
Galium tinctorium
— micranthemum
— striatum
Cornus alba
Potamogeton perfoliat
Convolvulus sagittifol.
Asclepias purpurascens
Atriplex arenaria
Eryngium virginian.
Viburnum pubescens
— lantanoides
Aralia racemosa
Drosera longifolia
Prinos ambiguus
Oenothera Myrsiphe
Polygonum incarnatum
Pyrola elliptica
Cerastium tenuifol.
Prunus depressa
Pyrus sanguinea
Rosa lucida
Rubus strigosus
— fructicosus

Potentilla pumila
Geum agrimonioid
Nymphaea tuberosa
Anemone pensylvanica
Brasenia hydropeltis
Pedicularis palustris
Limosella subulata
Arabis hastata
Hibiscus palustris
— virginicus
Vicia americana
— pusilla
Sonchus pallidus
Cnicus arvensis
— pumilus
Eupatorium amoenum
— laevigatum
Artemisia canadens.
Aster sparsifolius
— cordifolius
— diffusus
— pendulus
Solidago latifolia
— axillaris
— puberula
Inula falcata
Anthemis Cotula
Coreopsis trichosperma
— gladiata
Cypripedium parviflor.
Zostera marina
Lemna dimidiata
Carex bromoides
— stellulata
— pseudocyperus
— lacustris
Xanthium orientale
Zozania clavatosa
Sagittaria lancifolia
— pusilla
— graminifol.
— acutifol.
Juncus hybridus
— compressus
Betula excelsa
— nigra
— glandulosa
— tremula
Vatisneria americana
Salix mahlenberg
Populus candicans
— heterophylla
— grandidentata
Equisetum scirpoides
Aspidium americanum

Of the mosses of Catalogue I should be glad to see

Sphagnum capillifol.
Cecalyphum longirostre
Dicranum tenue
Trichostomum canadense
Hypnum setaceum
— compressiforme
Orthotrichum diaphanum
for comparison

Lichens

Lecidea tabulatorum
Bonnera chrysophthalma

Fungi

Tuber cibarium
Gastrum rufescens
Onygena equina
Aecidium clayloniae
— Pyrolae.

Dr John Torrey

New York.

No 3

C. G. Edwards

Augusta 11th 1821

Rec'd Aug. 24th.

Salem April 19th 1821

Dr John Torrey — New York

Dear Sir:

At length I am able to forward to you a box containing the greater part of the Cryptogamical plants of every division which I had on hand — having been prevented from doing so sooner first by the uncommon season & then by a wish to enclose you a Copy of my Specimen of Fl. Cryp. and the Hepatic mosses — of which however the printing progresses so slowly that I can no longer wait, as a good opportunity offers for sending the box. You may however depend on a receiving a copy as soon as it is finished, & I should be glad if you could dispose of some for me, as I wish not to lose too much on the little work. This delay has however afforded me the extreme pleasure of receiving in the mean time your invaluable letter of the 22d of March, which I can now answer. But first I beg leave to say a few words concerning the plants I this day send to Petersburg for you, a complete list whereof the inclosed sheet contains.

I am extremely sorry that my collection did not afford more perfect specimens of many & would be glad if you would note down such as on examination prove too imperfect in order to enable me to send better from the new collections making for the purpose among the Musci frondosi. all those underlined in the list are European specimens.

I have given you the names by which I designate the sort according to my determinations, but will not be quite positive about a number — It is impossible to be quite certain untill repeated examinations & comparisons have taken place. This remark I wish to apply particularly to the Lichens — some of which certainly ought to be revised. But the winter season, which makes that practicable proved too short for the purpose this time. By next year I hope not only to be able to speak with more certainty but to communicate to you a number more.

In the box you will find several envelopes directed to Mr Ab. Halsey. They contain Lichens (the same species which I send to you altho not so many) which you will oblige me to hand to him. I shall now proceed to answer your highly agreeable & instructive letter — after expressing to you my sincere thanks for your observations, & for the promised Box of about 200 cryptogam plants, which I hope to receive by the return of the waggon which brings my box for you to Petersburg — requesting you most earnestly to be so good as to continue & to send me all the Phaenogamous plants still wanting to my Collection agreeable to my lists sent on.

There is to be sure but too much truth in your observation concerning the great difference of opinion concerning certain Cryptogam. plants. I believe it arises chiefly from this circumstance, that many Botanists, & especially such as Sprengel, who by the by is rather noted for his superficiality in this respect) do not take the trouble really to investigate closely the specimens sent, but hazard an opinion at first blush without accurate comparison & examination, which is but too natural considering the minute exam. that is often necessary to be certain of the identity of any moss &c. I am far from thinking my determinations altogether free from this reproach — However as to the Musci you sent me — I took great pains & wherever I am mistaken — the smallness of the specimens may be an excuse.

But I candidly believe that many of Sprengels determinations ought not to be depended upon on account of his inclination to make short work. Dr Schwägrichen is certainly the more correct & accurate of the two & I intend to send to him all those of which I entertain any doubts. Below I shall try to discuss the observations you have made on the particular mosses. I am glad you seem to favor & encourage my undertaking of a Cryptogamic flora. I shall however not proceed to the execution before I have made larger collections & more accurate observations. Unhappily the death of Muhlenberg deprived me of the advantage of his communications. He had begun & about half finished a letter to me commenting upon my Musci & Lichens sent to him — & all my endeavors to regain possession of the specimens (it was the whole of ~~my~~ their collection, so that I do not know to which species his observations apply) after his death proved unsuccessful. He has a number of species — to which Swartz is subjoined in his Catalogue — which it seems impossible to know what was meant but by examining his Herbarium — & a good many new Lichens too which he has named. Finding such to which his specific name might justly be applied I have hazarded to call them by the names found in his Catalogue altho I have no means of judging whether those I designated thereby are the same with his & hope that I shall have an opportunity one day of personally consulting his collection. I should be loth to publish my intended Fl. before I have accomplished this purpose. All my endeavors to gain some knowledge thereof by writing to his son Dr Muhlenberg & Z. Collins have hitherto been in vain

I am particularly obliged to you for your communications concerning Mr Nuttall & am extremely happy that he had an opportunity of seeing the plants I sent you. I have lately written to him & expect his answer. I think Mr Nuttalls observations uncommonly excellent. His genera have given me more light than any other book — it is so evident from all his remarks in that work, that the are the fruits of real personal acquaintance with the plants in nature. I am delighted with the prospect of seeing his botanical discoveries published soon. — but I sincerely deplore that his botanical cryptog. specimens have been swallowed by that retentive gulph, Mr Collins going into whose cave so many footsteps may be traced & none coming forth. I have among the rest written to Z. Collins more than once, but have never been blessed with an answer. I am much obliged to you for the promise of Pilularia & Marsilea. — Could you procure me specimens of Pilotum, Acrostichum aureum, Vittaria & Hymenophyllum — I should be very glad indeed. If I can serve you with a good European specimen of Salvinia natans I shall do so with pleasure — Mr Van Fleet wishes me to express to you his sincere thanks for your kind offer to send him plants from your vicinity. In the course of this year I hope to furnish you with specs of all not yet in your collect. which our vicinity contains. The idea I had of writing a review of the Musci frondosi for Mr Silliman's Journal I have given up for the present on account of my imperfect knowledge & the increasing number. (So for instance I have lately discovered a new species of Andraea in great plenty on our mountains which I intended to send you — but forgot it, till the box was closed) But I am preparing a monography of the genus Viola — which I shall either send to you for Silliman's Journal or else try to get it inserted in the Philosophical Transactions. Is there a prospect that a volume of that work will appear shortly? I ought to do something of the kind to acknowledge the honor done me, by making me a member of that society. I shall now give you my remarks on your & Mr Nuttalls excellent remarks on the plants sent you — very earnestly begging you to continue them — for this is the only right way to acquire accurate knowledge.

Gratiola sphaerocarpa. I cannot think this your neglecta or that must be different from what I concieved my sphaero. (tho' to be sure I was doubtful whether it is the plant of Elliott, is nearer virginica & a very large plant — what I took for your neglecta is very small & tender — but I may be mistaken.

Lycop. exaltatus. I cannot conceive how I came to send you any plant by that name. I have none such — I find the only Lycop. marked as sent you in my list Lycop. angustifolius. Ell. p. 26. which is certainly very diff. from L. europ. (of the latter Mr Halsey has sent me a spec. exactly like my european) The angustifol has an entirely different habit — grows 4 feet high without branching & looks a little like Leonurus cardiaca

Cyperus. americanus (C. inflexus Muhly) is not the Cy. squarrosus of India of which I have a fine specimen. The heads of the latter & spikes are not so the size — besides other remarkable differences.

C. marisciodes sent you — I now find is altogether misnamed — since I have found the true one which is your. Marisc. cyperoides — I do not know what to make of it, unless it be a Marisc.?

Lonicera sempervirens — I am very glad to learn that this is the semifol of Pursh Nuttall — it is one of our common plants which I never paid any close attention to & called it by the name our old botanists had given — I should be glad to get the true longifolia

Phacelia parviflora. Muhlenberg always called this Polemon dubium — & I think it suits Pursh's description well enough — but nevertheless it may be a new species. It grows exclusively on the sandy banks of our rivers — but there very common & in gardens becomes very large & an inextermin. weed.

V. eriocarpa. I think is not dist. from pub. 3. Nuttall — but certainly from the pubescens of Pennsylv. It is common here — but the pubescens I never found here

V. ochroleuca is certainly the V. striata of Nuttall — but extremely different from what I call V. striata — Leconte, a species which is common here, but Mr Leconte tells me, that he has never seen it any where else. In my next remittance I hope to send you spec. of all mine.

Thaysia acaeifol. — I have very doubtingly named this plant so — but it not right — it is undoubtedly a new species — our most distin. Umbellate. It frequently grows — 10 feet high & spreads 3 or four wide. It is very common in May.

Sect. herbaceus I am extremely glad that you point out the true name Trigonella am which it is beyond a doubt — I neglected that genus in examining it — but it suit exactly

Pray continue your remarks as soon as possible concerning the Cryptog. plants which I named

Hyp. lutescens Schw. — I believe ought to be populeum on reexamination

— cupressiforme. — If the cupressif. is extremely variable it is very possible that this may be incorrect

— hians Lev — This certainly is not the same with plumosum Hedw & agrees with hians communicated to me f. Muhlenberg

— oxycladon Lev — I think I was mistaken in this — it is probably is really salebrosum Sprengl

— confertum Lev — dont you think this differs from imponens as well as the one I called commutatum which is only a subspecies of filicinum Schwaegr

— adnatum Lev. Sprengel calls molle — As I have seen neither besides your specimen I may well be mistaken — but it appeared to me to suit adnatum very well.

— curvifolium Lev is certainly not Crista castrensis as you will see at first sight when you come to compare the crista castr. which I send you — which correspond perfectly with numbers of European specimens in my collect. It is one of the most distinct Hypna in nature

Leskea varia Lev — this species was so called by Muhlenberg — it differs materially from the L. sericea Lev. I believe was a mistake — it may be Neckera claudorta —

I am perfectly convinced that the Anoectang filiforme is specifically distinct from ciliatum I dont think that Bridel & Schwaegr ever saw it

I crave your pardon for the flagrant ~~error~~ mistake I committed in calling your ~~Dicranum~~ Dicranum cerviculatum — D. virens — I must have committed it by a slip of the pen — as it is in my collection by the name of D. cerviculatum & exactly agrees with numerous specimens of this from Europe — while it certainly as you observe, is very different from D. virens

Your D. rodifolia — I think is evidently distinct from D. ciliaris — altho allied — my barbarously named D. platyphylloidea (by which I wanted to express its near relationship to platyphylla) tho certainly very near it — I find so regularly distinct by numerous marks recited in my little work that it ought to be seperated. D. platyphylla both in Europe & here always in habit trees & grows in remarkably arcuately reflected tufts. — platyphylloidea — on rocks clothing them often to a great extent — & but slightly reflected or not at all — I confess I have been very negligent in the composition of some of my names. How Sprengel can take, what I have called Blasia pusilla — for B. pinnata I cannot conceive. It has no manner of resemblance with that — of which I have this year found the most beautiful specimens in full fructification with peduncles of 2 inches long, emitted from the side of the leaves. Your specimens were however too imperfect to be certain of its being the Blasia — however they agree very much with fructifying spec. of the latter found by me — & I think I clearly observed the black male spots in yours — of which Hoffman speaks in his little pocket Flor of Germany, where is a handsome figure. I have had

* When my little work was written I had not yet seen the rope capsules, which I since found in plenty.

the good fortune this year to find Sphaerocarpus terrestris in the utmost perfection* — & a new Targionia — which I have called orbicularis, besides the Targ. hypophylla, which in my little work is not recognised — has since been met with by me. Of all these you shall receive specs. That I called Thelotrema cinereum may probably be Pyrenula intercalaris for I am not acquainted with that genus — as this Lichen was altogether new to me — but I think it looks much like a Thelotrema. As to Evernia prunastri being Borrera furfuracea you will convince yourself of Sprengels mistake when you get my Lichen — Both these are so well known to me from their being extremely common in Germany — that I am as certain of being in the right here, as concerning the next. Ectrocia laevigata auct. nov. — which has not the slightest resemblance with Nephroma papyracea — Sprengels opinion concerning what I called phyllophore (Cenomyce) on the contrary I believe correct

The passage of Sprengels Letter to you, concerning the fungus I in a former letter to you had called Jungermannia antheriformis — on a slight examination, at first excited my mirth a good deal because I thought it altogether impossible that that could be an hepatic moss. After I had however at the suggestion of your letter submitted this Jungermannia antheriformis to a renewed examination by the compound Microscope — I have actually convinced myself that Sprengel must be in the right — altho' I cannot conceive how it happens that an Hepatic should be generated in damp paper. There is a complete Thallus or Frons of a texture entirely similar to that of Sphaerocarpus for instance [illegible] forming a kind of net work in longitudinal meshes — & the antheriform fructification — actually bears a strong affinity to the Horn of an Anthoceros — so that I was affected with something like Sprengels laetitia. I had not observed this texture before, & had indeed not conceived the frons to be an integral part of the specimen — I thought it was the substance on which the parasitic fungus grew. But I am convinced it really is the Blandowia. No fungus has any similar texture & there can be no doubt of this frons belonging to the plant, because that texture is perceptible way in the lower part of the fructification.

I am very sorry you could not name all the Crypt. you have sent me — because your names would have undoubtedly been serviceable. I must beg you to consider in my determinations of all but the Fungi (in which I pretend to some knowledge) that I cannot be any considerable authority except where I am borne out by my European specimens — as it is only of late that I have applied myself closely to the study. Dont suffer yourself however to be discouraged — exertion & communication will after a while enable us to be more confident than at present can be the case.

I beg you to excuse my scrawl & to let me hear from you again as soon as possible, especially concerning the Phaneg plants ~~you~~ I sent you & remain with high respect

Your most obdt Servt

Lewis D. Schweinitz

I should be extremely obliged to you for the whole title of the Species algarum — by Agardh — together with a mention of the price of the work. If you have any means of procuring me a copy I would thank you — & with pleasure refund all expenses. I have this spring succeeded in determining about 40 kinds of spec of fresh water algae all of whom except two or three are absolutely the same with the European species.

List of Cryptogamical Plants ~~sent on~~ to be sent to Dr Torrey & New York

I. Musci. Frondosi

Crossum fibulatum
crispum
nitidum
cohaerens
ferratum
carnatum
Hedwigii.

Sphagnum latifolium
compactum
cuspidatum Br
pentastichum
acutifolium

Anoectangium ciliatum
aquaticum Europ

Gymnostomum pyriforme
turbinatum
splachnoides

Tetraplodon pellucida

Splachnum fetaceum Canad
fibriferum Labrad.
ampullaceum Europ
sphaericum Europ
(gracile Schreb.)

Encalypta ciliata Europ
vulgaris Europ
petraea. Nobis Salem

Weissia capillacea?
Schisti?
obscura Br?
microdon
controversa
pallidicans Br.
Dicksoni Europ
verticillata Europ.

Grimmia alpicola
gracilis
canadensis Nob. Canada
apocarpa Europ

Pterogonium julaceum
filiforme
intricatum
subcapillatum
mucronatum
apiculatum
carolinianum? Pad

Didymodon papillosum Labrad
pusillum Europ
inclinatum Europ.

Barbula humilis
lanceolata
apiculata
stricta
acuminata
fallax
obtusa
tortuosa
rigida Europ
muralis Europ.

Tortula fibulata Europ.

Trichostom tortile
lanuginosum Europ.
pusillum Europ.
canescens Europ.

Trematodon longicolle Salem

Andraea petrophila German

Dicranum scoparium Europ.
major
polysetum (rugos)
Schraderi (undulat)
congestum
condensatum
v. p.

Dicranum heteromallum
varium
orthocarpum
longifolium
purpuratum
purpurascens
albidum
pulvinatum
spurium Europ
aciculare Europ.
glaucum Europ

Fissidens exilis
subbasilaris
taxifolius
adianthoides
fanicompletus. Sch

Orthotrichum crispum Canad & Europ
affine Europ
striatum Europ
anomalum Europ

Bartramia grandiflora. Canada
menziesii?
muehlenbergiana
uncinata Canada

Webera intermedia

Funaria flavicans
calvescens Canad
fontanesii?

Meesia aliginosa

Bryum Flenbii
erythrocarpum
coenticium & Europ
capillare & Europ
bicolor?
amotinum Europ.

Mnium turgidum Labrad
erythrocaulon
hornum Europ
ligulatum Europ.
crudum Europ.

Gymnostomum androgynum Europ

Climacium americanum Canada
dendroides Europ

Leucodon sciuroides

Neckera viticulosa Canad & Europ
minor (obtusifol)
crispa Europ.
curtipendula Europ

Leskea compressa
attenuata
delicatula Nob
acuminata
rupincola
obscura
attenuata
polyanthos Canad
setosa
subtilis Europ
complanata Europ
polycarpon Europ
intricatum Europ
trichomanoides Europ
turgens Europ.

Hypnum filiforme Canad
cupressiforme
oligophyllum
rutabulum
prolixum (mus. J.)
murale
albicans
confervoides Canad
Boscii
stellatum?
flexile Br
condifolium
arbuscula
fertilum
delicatulum

Hypnum splendens
ptolemaicum
salebrosum
populeum
asperum
polyphyllum
rutabulum
velutinum
graminicolum
inordinatum
fragile
curvatum
reflexum
tripinnatum
stans
molluscum
cristacastrensis
adunum
uncinatum
umbratum Eu
cuspidatum Eu
striatum Europ
nitens Europ
purum Euro
myosuroides Eu
stellatum Eu
triquetrum Eu
fontanum Eu
storeum Europ

Fontinalis lutescens Nob
squamosa
capillacea

Polytrichum formosum
fasciculatum
capillare
pensylvanicum
aloides Europ
urnigerum Europ
piliferum Europ
nanum Europ

109 Species.

II. Musci Hepatici.

Jungermania finuata
- cilifera Nob
- palmata
- incisa
- lanceolata
- serpyllifolia
- asplenioides
- Scalaris
- Michauxii
- inflata
- clypeata Nob.
- transversalis
- Fuchsii
- pulcherrima Labrador
- albicans
- undulata
- decipiens
- orbicularis Mx
- emarginata
- bicornis
- curvifolia
- disticha Nob
- rostrata ex Eur
- setiformis Europ
- ciliaris Europ

Marchantia hirsuta
- crinita

Anthoceros laciniatus Nob
- punctatus

Riccia lutescens Nob.

(Besides a number already in Dr Torrey's Collect.

30 Species

III. Lichenes

Spiloma vitiligo — Lecanora apochroea Syn
- * tumidulum (rub.)
- melaleucum
- leucostigma
- candidissima N

Arthonia punctiformis
- Swartziana
- radiata — Urceolaria Syn
- lurida
- gyrosa

Sideralla muralis Oneg.
- obscura
- lyncea
- Inglandis N
- magnoliae N

Lecidea petraea
- inexpansa
- pantotricha
- fumosa
- cochlumena (var. of fumosa Synopsis.)
- coracina
- lapicida
- atroalba
- Dicksoni (Roberi Syn.)
- ostreoidea — decoratus β granulosa Syn.
- hypotrea
- coniops
- ancillarum
- premnea
- confluens
- horizontalis
- sanguinaria
- Lightfooti
- obtusa
- * asperulorum
- enteroleuca
- mucorum
- uliginosa — fuscoatra Sp.?
- cyanescens Nob
- Arbuscularium (polytrop)
- corticola
- albo-coerulescens
- luteola
- coccinea Nob
- carneola
- versicolor Nob

Lecidea lucida
- albella (an cupul) N.
- * Allisacea
- * viridescens
- cinereofusca
- rupestris
- Stalavis
- demissa
- plumbea N
- depressa N
- aromata N

Gyrophora pustulata
- papulosa
- radicata N.
- vellea
- pensylvanica

Calicium quercinum
- hyperellum
- claviculare
- Phoides N.
- Terficae N.

Opegrapha nimbosa
- macularis
- rubella
- herpetica
- atrovella
- notha
- diaphora
- signata
- vulgata
- parallela
- fidicella
- * verrucariolis
- avaliformis
- denigrata
- grecaria Dufour
- ribnalis
- caesia
- * pleiodonta
- dispersa N.
- Magnoliae N.
- Juniperi N.

Graphis scripta
- pulverulenta
- Cerasi
- betulina
- serpentina
- leiodendrioli N
- * bulcata Dufour
- accreulata Dufour

Verrucaria Schweideri ?
- * carpinea
- gemmata
- nitida
- punctiformis
- fragmatella
- epidermidis
- bassacea
- Cerasi
- analepta
- * refulgens N
- * umbrina
- Clarrimani
- granulosa N
- * rhyponta
- fusicella
- epigaea
- * fruinulosa N
- compositella N

Endocarpon miniatum
- fuliginosum
- complicatum
- mesenterium N
- Weberi
- arboreum N.
- * leptophylla
- smaragdulum
- hepaticum

* Thelotrema lepadinum
- * carolinianum N
- exanthematicum

Pyrenula margacum

Porina pertusa
- lecanorina
- papillata
- leucostigma
- carolinae N.
- chionea

Variolaria velata
- pseudomina N
- communis
- amara
- lactea
- * diffusa
- coralline

Lecanora atra
- multipuncta
- * verrucosa
- periella
- exigua
- leptodes
- caesio rubella
- argentata
- glaucoma
- * Hagenii
- commutata
- cremata N.
- sepincola N
- subcarnea
- Villarsii
- rubra
- anomala
- varia
- laticina
- cerina
- ventosa
- citrina
- arbynea
- distincta
- orostrea
- chlorozantha N
- rugulosa N.
- luteo-fulva N
- candelaris
- brunea
- palmulata
- microphylla
- chlorina N
- virgultorum N
- chloronela N.
- galactina
- epigaea

Sticta sylvatica
- pulmonacea
- antrosepis
- scrobiculata
- aurata
- crocata

Parmelia aspera
- perlata
- perforata
- cytisphora? Mich!
- * Placorodium? Mich!
- corrugata
- Borreri
- dimorpha N
- herbacea
- scortea
- ditiacea
- saxatilis
- * mesigena
- conspersa
- stellaris
- * lobulata N — an varietas titiaceae
- aipolia
- aleurites
- ulotrichia
- cyclosteli
- caesia
- plumbea
- coerulescens N
- venusta
- colpodes
- physodoides N

Borrera laccomela
tenella
furfuracea
chrysoptralm ? not at all.
Ectraria lacunosa — Sarcinta taurica is a Ectraria probably a new one — it was among yours sent me — I think I & other called it viridis
fallax
ciliaris
fenicola
Peltidea aphthosa
canina
Nephroma helvetica
Cenomyce alcicornis
squamosa
baccillaris
coccocephala
Botrytis
acicularis
sulphurina
cenotiniana N.
endiviaefol.
furcata.
Bacomyces roseus
Ilicium coralinum
phymatodes
Alectoria usneoides
Ramalina fraxigiale
polymorpha
Cornicularia pubescens Cand
Sphedica Lab.
Usnea plicata
Floridea
barbata - hirta
angulata
Collema fascicularis
tremelloides
lacerum
palmatum
nasiform
furfuraceum
myriococcum
pulposum
Burgesii
Scottianum
tenacissimum
sieglandis N.
Lepraria atra
olivacea
leiphemi
antiquitatis.

259 Species.

IV. Fungi

Sphaeria carpophila
enteroleuca N
rubiformis
annullata N
candida N
rufa
Ribesii
pyrosa N
melagrana
argillacea
molliuscula N
Bignoniae N.
atropunctata
infixa
cinnabarina
Robiniae N
verrucarioidea N
Rosidis N
penicillosa N
viticola N.
fuscentorcata
hyalina N
fruitacicola N
lata
vida
velata
nebulosa
Sarraceniae N.
longissima
anethi
picea
typhina
corrugata N.
pteridis.
caulium N.
grezalis N.
fusilacis N.
coacervulata N.
protracta
hydnicola N.
ciliata.
leucostoma
nivea
prunastri
punctulata
Betuli
corniculata.
sieglandis N.
fibrosa
tremiscida
refulgens N.
pulchella
quaternata
Salicina
tessella
ambiens.
olivacea
coccinea
Castaneae N.
cancellariae var.
varia
quercicola N.
mortosa N.
subsolitaria N.
carnata N.
Melicae N.
Fibrosi N.
Parsimon N.
diminuens.
epiphyllaria
libera
lapinaria
erythrosa
Spina N.
fimeti.
transversalis N.
pomiformis
pyriformis.
stubaminum N.
truncata N.
fabriculata N.
fomitida
arancola
conferta N.
arborea.
livida
mobilis.
pulveracea
Gossypii N.
fuscescens N.
fomicola N.
pulviopyrius.
dermatiam.
maculaeformis.
punctiformis.
escaspersans N.
pustula
Cacti N.
panici N.
dubia
mori N.
hedysari N.
Stilbospora ovata
microsperma.
Hysterium mytilinum.
fusilacis N.
fraxini.
Caolanceae N.
fleschosum N.
crispum.
pinastri
torulo N.
Hysterium acervulatum N.
quercinum.
corrigenum.
andromedae N.
Halmicae N.
insidens N.
Xyloma liliorum N.
smilacis N.
andromedae.
acerinum.
Ilicis N.
dicospyros N.
Cacti N.
sphaerioides.
hypericoides.
Helicacendri N.
corticalis N.
Neomasspora leucosperma
chrysosperma.
Tubercularia caulinar. N.
Sclerotium sphaerioides
Boraginae
Iridis N.
Ballata N
Tafnali N.
Mercurii N.
Boviista nigrescens.
Arachnidium album. N
Cyrospodium lucescens. N.
Lycoperdon excipuliforme
umbrinum.
quercinum.
Sclerodermia Cepa
polyrhizon.
lycoperdioides N
Tuber album
Lycogala punctatum.
Bidoxma effusum N.
Physarum aurantiacum
fuscum.
Trichia clavata
ovata
nitens.
olivacea.
Botrytis
rubiformis.
nigripes.
Arcyria aurea
punicea
incarnata
Stemonitis fasciculata.
ovata.
Licea circumscissa
Aecidium podophylli N.
Convolvuli N.
Crataegi.
Caladii N.
nitens N.
Saxifragae N.
Bracontii N.
Uredo Agrimoniae
Pyrotherismae N.
Puccinia pseudacoris N.
graminis.
bullata N.
Tadisma Cedri N.
Boraginis N.
Trichodoema hyadicum N
dubium.
globosum N.
aureum.
Conoplea hyadicea N.
atra.
Cyathus striatus.
olla.
crucibulum.
Agaricus spatulatus.
nidulans.
pelliculosus N.
flabelliformis.
fervotinus.
niger N.

Merulius tremellosus.
rufus.
aurantiacus.
lutescens.
destruens.
vastator.
Sistrotrema N.
olivaceus N.
Daedalea albida N.
Boletus. aeratarius.
mamilarius.
leptocephalus.
hispidus.
aeneus.
carpineus.
corticatus
fraxineus.
abietinus.
comatifer N.
nigromarginat N.
sanguineus.
meruloides N.
contiguus.
vitreus.
mollusus.
vitellinus N.
reticulatus.
Sistotrema cerafi.
spatulatum.
fuscescens N.
obliquum.
Hydnum aurantium.
cinereum N.
odoratum N.
cirratum.
accarium.
farinaceum.
concrescens.
ferrugineum.
vitilola.
Thelephora caryophyllea.
laciniata.
terrestris.
intybacea.
rubiginosa.
crispa.
terrestrina.
hypoleucha N.
fusca N.
ramealis.
quercina.
helvelloides N.
ferruginosa.
incrustans.
crustae.
sebacea.
byssoides.
cinerea.
sulphurea.
candida N.
botryoides N.
cinnabarinum N.
purpurascens N.
albidaea N.
Merisma candidum.
spatulariaeformis N.
penicillatum.
Clavaria palmata.
cornea.
gloeroides.
mucida.
flava.
botrytis.
byssoidea.
uncofa.
pulpes.
Spatularia lignatilis N.
Leotia inflata N.

Tremella lutescens.
encephala.
sinuosa.
auricula.
foliacea.
Stictis.
nucleata N.
velutina N.
Peziza fascioides.
aurea.
pendula N.
anomala.
cerina.
stercorea.
pulchella.
cinerofusca N.
applanata N.
hemisphaerica.
at-lopae.
nigro-olivacea N.
aeruginosa.
chlora N.
lenticularis.
Rosae.
sphaericola N.
obducta.
atrata.
fraxini.
farinacea.
quercina N.
andromedae N.
compressa.
pupa.
platellaria.
Sol. octracea.
Sticta radiata.
Cerafi.
Craterium olabatum N.
Tegvita candida.
Tricomia byssoides
sulphurea N.
Sparia fuckeliana
Dermatium articulat
Cartaneae N.
herbarum.
strigosum.
pseudosum.
Exincum fagineum.
Racodium cytostroma
ramealis N.
Flimantia candida
sulphurea.

Fungi. 325 species add. 196 Species of Fungi sent before
Lichenes 269 —
Musci Hepat. 00.
— Frondosi 109
803 Species Cryptog.
196
999 Species.

Some Specimens are unavoidably imperfect & a good many Fungi, loose their shape when dry.

325
196
521

* 4.
A. G. Schweinitz
April 19. 1821.
Rec. May. 13.

Salem Oct 29th 1821.

Dr John Torrey New York

Dear Sir

It was indeed a pleasure, after rather a long time of anxious expectation to receive your kind letters of the 8th & 13th of this month at once. They afforded me a scientific feast besides the grateful feelings for what you have so kindly sent me. I do not entirely however understand, whether the box you put on a Petersburg packet on the 13th containing such a variety of invaluable plants, that I can scarcely wait patiently untill I see them is the same with the one you mention as neglected to be sent by the person you gave it to containing among the rest about 200 cryps. (Mosses from Massachusetts &c) If it is not, I am very sorry to say I have never received that, & must fear its being lost. I hope you have addressed either of two to Messrs Caldwell & Orr Petersburg –

Before I enter upon the rest of the Contents of your highly interesting letters, I must inform you, of a very important change just about taking place in my situation, which tho it will on the one hand probably render me less useful to you, will on the other enable me to indulge a hope of soon seeing you personally, & of in future enjoying an easier & shorter comunication with you. I have accepted an appointment at Bethlehem, Northampton County, Pennsylvania & shall reside there in future, & expect to leave Salem about the 20th of November. In consequence I have sent directions to Petersburg to turn back your package on the way hither, that I may meet it at my future home. It is probable that for some time after my arrival there my avocations of duty will be such as to prevent me from indulging much in my favorite study; but when I shall be enabled to resume it – I shall confidently enjoy considerable advantages from being so near New York & Philadelphia, more especially in respect of my intended publication. I may flatter myself more likewise with a visit from you to look over my collections (which God speed safely by sea & land. for I should be in despair if they were lost or injured – they are under way now.) & will be sure to find out an opportunity of calling upon you as soon as possible. In the meantime I beg to request you to forward anything you kindly comunicate to me, from & after the receipt of these present to Rev. L D vS. Bethlehem, Northampton County Pennsylvania. I scarcely know how sufficiently to express to you my thanks concerning the books you are sending. & beg you by all means to send the Systema mycology of Fries you mention as soon as you have a duplicate copy – & likewise Ehrenberg, Sahrbücher & Sprengel

Neue Entdeckungen. You are welcome to specimens of all my hepatics as soon as I shall have time after my arrival. By next mail I shall direct Mr Gale to send you 2 copies of my pamphlet. He has informed me that he has forwarded a parcel to New York for sale. I wonder they had not arrived.

Albany I shall probably be situated in a less fertile part of the U. S. in Botany as to Phanogamy – I think there is a good prospect for Cryptog. there; & it will be easier to communicate with Mr Elliott from thence than from here. Besides my friends there lovers of Botany will not fail to furnish me with any thing they can get, in order to supply your wants.

I hope to be able to give you almost a complete set of our Algae aquat. ag. dulcis. They are however absolutely identical with the European ones. I have pretty diligently & accurately determined about 55 species – all of them however from the first of the year, as it is much too dangerous in the fall or rather winter to be fishing up the mud of swamps & ponds. I however suspect that a good number may still be discovered later in the season.

Accept my dear Sir the renewed assurance of my grateful respect & do not scruple I beg of you, to call upon me for anything you wish & depend upon it, that if it is in my power I shall do my best to oblige you.

My Monography of the Violas is sent to Torrey & Gray, who has promised to insert it in the Number of the Journal after the next.

I remain with high respect

Your sincere friend

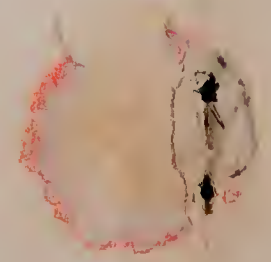
L. Schweinitz

Of the Andraea I have a very great quantity

By all means preserve for me the specimen of Hookeria falcatula you mention. I have been anxious to get it.

Dr John Torrey

New York.



Jas. S.

Jas. Clemens &
Co's 29th, 1821.
Bills Exc. &c.

Bethlehem May 15th 1872

Dear Sir

By last mail (unaccountably late) I had the pleasure of receiving your favor of the 8th instant — by which I was among the rest apprized that the first letter which I wrote you immediately after the extremely acceptable receipt of the package brought me by Mr Lilienthal has not arrived. What can be the reason of so frequent a failure of letter between us, or at least of their delay, while nothing can be more expeditious & punctual than the arrival at & from New York of all my business letters. Perhaps I do not sufficiently express your address. In that case — I earnestly beg you to furnish me with a correct one.

The above package, together with the books was, I must therefore repeat most safely delivered to me by my Swedish friend. You cannot imagine how much I am delighted with Fries — I know I ought to have returned it before this — but unhappily I have been so much occupied with official duties that I have not yet got thro' — but the next opportunity that offers you may depend on receiving it back — as I hope to complete my extracts in a few days. I most earnestly beseech you to procure the book & its continuation for me at any price. The specimens I think very conformable to my own observations.

I hope you are not in earnest when you excuse yourself for troubling me so often — no greater pleasure can I receive. I am delighted with the Idea of your devoting yourself to the Musci — & hope that we jointly shall one day be able to make out something like an Am. Bryology. The last mosses you sent I have not yet had time to examine with anything like accuracy — but will do so, as soon as possible.

In case you can find me anything by the Stage — please to address it to the care of Mr Philip Mixsell Easton — Depend on it I shall send you a list of my Cryptog. collection (designating my authorities) in as short a time as I can.

Prof Silliman promised to send the proof sheets to you of my little dissertation on the Virlae — & I am in despair to hear he has not — for in that case, to judge by the Litchfield Catalog. in the last numbers — there is not the slightest hope of its being intelligible. I had mentioned a request to them to have a few extra copies printed — but as his answer did not notice this request I am afraid

it may have been neglected. I have only seen a few of Mr Leconte's drawings of Violae – I cannot judge therefore of his species – but I am not so little inclined to admit new species as you seem – A long continued study has perfectly convinced me, that some which you probably only look upon as varieties are really specifically distinct. At this moment they are in full bloom – but to be sure I find none here, about Bethel – but such as are well known – altho' most of the common species here are entirely different from those in N Carolina

By all means I pray you be very strict in your strictures on my nominations – I can hope to arrive at truth only by such. The delay of your last – I am very sorry to say will necessarily deprive me of the enjoyment of the 120. Fungi – because it must be impossible to return them to you by 4th June – send me dried specimens however.

The enjoyment you are going to have in living together this summer with Mr Nuttall I can appreciate, since I had the exquisite pleasure of becoming acquainted with that excellent man at Philadelphia. Be so kind as to present my compliments to him & to request him to mention once more all the specimens we spoke of, which he would be glad to get from me. I will send them on to you – All my exertions which you may command especially in Cryptg. are at your service in the publishing of the North Bot. – perhaps you would take the trouble to particularize those plant of Mich. concerning which you want information. I had a great many from him. The Flora Lancast. I fear will never see the light – nor indeed do I think it would be very valuable – as Mr Conrad tells me he can in many instances not read the text (altogether credible to those who saw Michbs hand.

I believe you are ~~altogether~~ altogether right as to my mistake concerning Leucod. foinroid – sent you by me – I find that by some negligence mixed specim of Leu. fimi & Peris. intricat are put up in one paper by me in my collection for communication.

In warm hopes of soon hearing from you again & receiving the 100 Cryp. you announce, & with a request that you will be so good as to think of the Fungi. plants I

still am in want of I remain

Yours most affectionately

Lewis D. Ashmun

Bethlehem
May 16

Paid 1 D.

Dr John Torrey

New York.

p Philad.
paid

8.

J. G. C. Schermerhorn

May 15th, 1822

Lee's May 21st, 1822.

Bethlehem July 21st 1842

My dear Sir

Inquiries would have been the pleasure your kind favor of 16th instant would have given me, had it not been for the circumstance that you appear not to have received my last letter together with the Volume of Fries which I sent you, the receipt of which is likewise not mentioned. It to be sure contained nothing of any moment, but I should be extreemly sorry to hear that so valuable a book had been lost. I entreated you to procure me a copy of it at any price.

I believe it is a good plan to leave a package for me at my friend Mr Mortimers – but I am sorry to say I have not yet received that, which you kindly mention. Prof Dewey at Williams College writes to me, that he has sent a package for me to your care – which please deliver over to Mr Mortimer likewise when it arrives. I shall write to him on that account.

But I must claim your indulgence till winter comes on for a scrutiny of Cryptogamous plants sent me. Then I hope to be disembarrassed of the Boarding school superintendance. At present I have barely leisure to look over Phanogamous plants – Perhaps you will be able to send me some of those Nuttallians in my list, which you have not yet communicated – & I should likewise be extreemly glad to get a number of those in Prince's garden which are still wanting to me. The moments I have time I will make out a list of my american deficiencies for you.

I deplore most sincerely that you had not time to subjoin your remarks on my Violae – by all means let me have them as soon as you can. Strictly Mr Lecontes observation, concerning my having made too great a number of species, may be considered just by many – I was guided however by the study of the greater part in nature & in successive years – & find, as far as my time allowed me, my observations here in Pennsylvania generally to confirm my opinions. The only species which I think admit of further doubts are – whether V. cucullata & obliqua ought not to be united after all; whether cordifolia be not too near villosa Ell. & whether repens should be separated from ocroleuca – Of the rest I am pretty certain. V. pubescens common here & never found in N.C. is extreemly different from eriocarpa. Is not the V. Selkirkii you mention perhaps related to my punctata & Labrador? The specific difference of V. palmata & affinis (the latter never occurs here but is common at Salem) is beyond a doubt.

Accept of my best thanks for the curious little moss from Florida & the highly interesting Roccella from Thule. I conceive however that the Captains who assert this to be the only vegetable there, do not regard crustaceous Lichens as such — for I cannot believe that any rock is utterly devoid of such.

I shall be much obliged to you for the subterraneous plants from the Copper mine

Tho' I am almost perfectly ignorant of mineralogy — I read what you communicate on that subject with great interest, as everything concerning natural history) is valuable to me. But still I must confess to you that I am too much of a devoted Botanist not to feel a little jealous, that the sister science appears to injure Botany by thus withdrawing from it, its most able & active cultivators like yourself & Mr Nuttall. I hope however you will no more desert the service of Flora than he for that of Pluto or at least some of his cousins.

The Roccella you so kindly sent me puts me in mind to request you if possible to procure me a specimen of the common Roccella (which I believe may be had in shops — as it is a dyeing article) I have lost the imperfect one I had & your gift has reinstated the genus.

Any tropical specimens of whatever kind would likewise be acceptable to me — & very much so — plants from the South of Europe in which I am very deficient.

With sincere respect & esteem I remain

Your obdt Servt

Louis D. Schweinitz

Mr Elliott has sent me his 3rd Number & promises to send on N. O. shortly.

I will just add, secund. Lord — the names of the Violae which I have observed this spring in the abt Bethlehem

V. pedata — common
— palmata — rarer than in Cons
— sagittata — common
— ovata — common
— cucullata — common
— obliqua — rare
— sylvatica — rare the
— cordifolia — rare

All my scaule specs except the prongd & sylvatica & cordifolia

V. lanceolata rare
— rotundifolia rare
— primulaefol common in mountains, common in hills & rare
— blanda

V. debilis very rare in Carol; there extremely com.
— rostrata in one place only
— sylvatica very rare
— pubescens com.
— concolor rare
— tenella — f. arvensis

Of the caulescent species I find not here
pennsylvanica of Labrade
canadensis
eriocarpa
renifolia
palmata
triparitita
ovata
primulaefolia.

Paid 12½

Dr John Torrey

New York.

BETHLEHEM
JULY 21
Penn.

Bethlehem Nov. 24th 1829

Dr John Torrey New York

Dear Sir

The uncertainty whether the distressing calamity with which Newfork was visited, might not prevent a letter from reaching you, hindered me from writing to you sooner; I am now however occupied with examining your last third package of Cryptog. & should on that account have deferred writing still longer in order to give you my determinations, had not the present good opportunity offered for transmitting to you a copy of a small work bearing my name on its title which was sent to me from Germany — to my no small surprize, as I was entirely unaware that it would be published — altho I must confess myself the author. I left it with a friend some years ago, without any such Idea — but have no objection that he disposed of it in that way. Possibly it will be not uninteresting to you — as it contains a list of all the Fungi I had observed in N.C. previous to 1817 — with descriptions of the new ones & I therefore beg of you to accept it as a token of friendship.

If you would again favor me with some of the Nuttallia — or other american plants still wanting in my collection I should be very much obliged to you.

Do you think there would be any hope of procuring for money or other consideration such plants from Mr Prince as his garden affords — in dry specimens. I am told he cultivates most of Mr Nuttalls & other Missouri plants. If you think it profitable I

would thank you to point out to me the mushroom creatures. Col. Dewey wrote to me some time ago that he was going to send some plants to you for me if he has. The gentleman who brings this, will be kind enough to take them in return.

In a short time I hope to send you a list of my determinations of your last package.

Excuse the great hurry with which I write, not having a moment to lose, if I wish to make use of the present opportunity.

Don't forsake Flora altogether for Mineralogy & Geology. Believe me with sincere affection

Your most obdt Servt

L. D. Schweinitz

10.

L. D. Schweinitz

Nov. 24th. 1822

Rec'd. Nov. 29th.

To John Strong

New York.

Bethlehem. December 18th
1822

My dear Sir

On the two first pages I have given you a list of my determinations of the different numbers of your Cryptogamic plants. Those underlined were new to me, at least in America – those doubly underlined have been named by me. It will scarcely be necessary to remark that it is exclusively the Fungi & Lichens upon which I conceive you may place dependence as correctly determined. Hepatic mosses but a few only uncovered – & as for the Musci – more especially the Hypna I confess I despair of doing anything satisfactory – without observing them in nature. Some 20 or thirty species of Hypnum may be easily distinguished: the rest I conceive almost mere matters of faith. How it happens that so great a number of the ferns appear blank I know not – probably you sent me none specimens of those numbers – For a dozen or two blanks to be sure, I can account (those however were altogether of little moment) the vapors wide[illegible] occasioned by one of those sad accidents which married botanists are subject to – under the careful hands of the ladies, who are, you know bitter enemies of all & everything that can be by possibility be attached with a broom. I most heartily wish that you may derive full as much satisfaction from my determinations as the kind communication of the specimens gave me. You will see what a considerable number form valuable additions to my collection. The whole number of Fungi – sent by me in Am. including those you sent now amount to about 1600 species of which I preserve nearly 1300. Let me request you kindly to continue your communications & command anything in my power. I was delighted with the assurance your last agreeable letter contained, that you have again taken Botany in hand. I was almost tempted to publish a counterpart to the Poetical Geology in Silliman – to be entitled "the Tears of Flora", describing her ~~distraction~~ despair at the desertion of her votaries but am glad indeed that her own charms have brought yourself & others back to her shrine. The small packet you lately sent me was peculiarly ~~[illegible]~~ acceptable as it contained some very interesting new species. I have entered them in the General List, but beg to add a few particular observations.

Bonnyotium simplex I hailed with particular joy. Two or three specimens perfectly agreeing with yours had been obtained by me from Canada & been called by me B. pusillum. Your name is better & has been adopted

367. is most undoubtedly a Rhizomorpha – but a new & distinct species – I should be greatly obliged to you, if you allow me to keep it, as it is in a most interesting state for observing what is considered the Fructification of this Lichen (accord to Schreiber) & justify [illegible]

365 – my Rhiz. crocea in a no less interesting state

370 is a most delicable new species of the genus Craterium of Nees hitherto containing a solitary species. This new species forms a remarkable link in the series – which was wanting

372. male flowers of a Bartramia or Mnium – is this perhaps the true B. grandiflora?

374 comes on a wish – the third species of a remarkable subdivision of Selenotium called by Nees Phanatorhytium from the destructive effect of the only European species on the bulbs of Crocus in France

366 Rhizomorpha fructificant I take it for the fruit of [illegible]

What is however the [illegible] most [illegible]

I was not a little distressed to hear of the probable loss of the plants given me by Prof. Dewey. I should greatly deplore that loss — if I did not entertain a hope that they may still be recovered. The package you left at Mr Mortimer's was received and after a very long time — I beg pardon for not acknowledging it in my last. As you so kindly permit me to trouble you with further requests I shall take the liberty of stating to you what I most eagerly desire to acquire. Any cryptogamous plant determined — & all undetermined American Cryptogamic plants are highly acceptable but equally so all Phaenogamic American plants not yet in my collection. You will greatly favor me by trying to procure from Mr Prince Mississippi, Louisiana, & western specimens & enclose you a list from Nuttall of the Missouri &c which I have not. Next in order come determined European Phaenogamic plants especially from Spain, Italy, France & Greece — & Graminaceous ones from any part of the world. Lastly exotic plants from tropical countries are highly acceptable, the Filices in equal degree with any others. Having the agreeable prospect before me of enjoying a little more leisure the ensuing year — I shall exert myself to lay in a stock of every thing I meet with in order to supply you & other friends. I can hardly expect to be of service to you only as regards Cryptogam. Let me call your attention for a moment to one of the next numbers of the Journal of the Phil. Academy of Nat. Science in which you will find a dissertation of mine on two interesting genera, of which I can send you specimens. I earnestly beg you may not scruple to demand anything in my power. In the course of next year I hope to have the pleasure of seeing you at New York. I mention to you that in the first weeks of January I shall probably be absent from home; but do not suffer this to induce you to detend sending on anything you may favor me with, as no greater pleasure could be enjoyed by me than to find large packages waiting for me. If you should happen to see Mr Le Conte please to tell him that I sent a copy of my Carol. Fungi to him by the same opportunity with yours the receipt of which I acknowledge of

With sincere esteem

Your obt Friend & Servt

L. D. Schweinitz

11.

L. D. Schweinitz
Decr 18th 1842
Recd Decr 23

1. Leucodon sciuroid
2. Dicranum purpureum
3. Bidenominatile
4 Hypnum triquetrum
5 Neckera minor
6 Hypnum flexile Brid
7 —— contortum
8 Hypnum serpens.
9 Tremella spiculosa
10 Stereocaulon
11 Stereocaulon paschale
12 Marchantia triceps Lin
13
14 Hypnum lenax
15 Bartramia grandiflora
16 Leskea obscura
17 Hypnum fitianum?
18 Racogon scapillatum
19 Weissia viridula
20 } Letraria ciliaris & lem.
21 } Cornicularia fitzillose
22 Caenomyce phyllophora
23 Caenomyce novum.
24
25 Lecanora atra.
26
27 Celidea horizontal
28 Lecidea carneola
29 Collema ——?
30 Parmelia perlata
31 Lecanora exigua
32 Lecidea plumbea Lof
33 Lecanora tuberculosa
34 Collema furvum
35 Collema ——?
36 Parmelia venusta
37 Lecidea densifra
38 Peltidea scutata
39 Lecidea albella Lof
40 Helotella esculenta
41 Glonium stellatum
42 Boletus conchifer Lof
43 Thelephora quercina
44 Tubercularia vulgaris
45 Agaricus coriaceus
46 Peziza nigrella
47 Sph. curvirostris
48 Boletus versicolo
49 Theleph. fasciata Lof.
50 Agaricus N. abietinus
51 Licea variabiles
52 Boletus adustus.
53 Hydnum occaricum
54 Thele phora tomentosa
55 Tubercularia castanea
56 Peziza lenticularis
57 Sph. rubiginosa junia
58 Boletus adustus
59 Thelephora ramealis
60 Merulius agaricoide
61 Phaeophora cinereofusca
62 —— hydnoides
63 Boletus virgineus.
64 Sistrotrema cinereum

65
66 Trichostom pallid
67 Dicranum novum
68 Dicranum Shortian.
69 Leucodon sciuroid?
70 Hypnum ——?
71 Hypnum cupressif
72 Webera longicolli
73 Trematodon ambig.
74 Grimia pitifiora
75 Peziza axillaris
76 Hypnum parillion.
77 —— regulosum
78 Leskea polyantros
79 - nothing in this
80 Mnium grimiae (affine
81 Tremato[illegible] nov.
82
83 Trichostom. tortuosum
84 Hypnum [illegible]
85 Fibridens crispatulus
86 Racogon. nervos.
87 Leskea polycarp.?
88 Hypnum proliferum
89
90 Variolaria velata
91 Bacomyces roseus
92 Collema fuscofend. Lof
93 Lecidea parasema
94 Caenomyce ——?
95 Caenomyce alcicorn
96 Grenula margacum
97 Caenomyce uncialis
98 Lecidea ——?
99 Caenomyce vesicita
100 Cruria Bacomyc rosei.
101 Lecidea (Lep.) premnea
102 Parmelia herbacea
103 Parmelia calpodes
104 Collema flaccidum
105 Caenomyce pyxidat.
106 Parmelia plumbea
107 Collema nigrescens
108 Caenomyce epiphylla
109 Celidea aphthosa
110 Lecanora rutilans?
111 Parmelia physodes
112 Parmelia crinita
113 Parmelia herbacea
114 Lecanora cachiozubella
115 Cornicularia fitzillose
116 Arcyria flava
117
118 Lecidea globifera
119 Jungerman. scalaris
120 Jungermania capillaris
121 Sph. subtomanea
122 Ectinecum populinum
123 Lepraria latebrarum
124 Musscum muscicola
125 Sph. clypeata
126 Merulius spatulatus
127 Nitromyces coccinea jr
128 Spatularia lucfa
129 Peziza rufa
130 Agaricus digitalis Ll
131 [illegible]

132 Sph. melagram
133 —— trapiformis
134 Sph. Cocule
135 Sph. atropurpur
136 Tremella mesenter
137 Platotrema cinerum
138
139 Emplicatile
140 Endocarpon arbores
141 Merulius tremellos
142 Tuberculi. vulgaris
143 Merulius tremellos
144 Thelephora ramealis
145 Sistotrema fagineum
146 —— cerulei
147 Peziza hemisphaerica
148 Thelephora quercina
149 Thelephora quercin
150 Boletus alneus.
151 Cyathus striatus
152 Merulius agaricoid
153 Thelephora funestal.
154 Agaricus N. tomlos
155 Sph. lactifluorum
156 Boletus brunnus
157 Clavaria flava
158 Agaricus coriaceus
159 Thelephora bicolor
160 Agaricus fungiac
161
162
163
164
165 Fumaria Muricata
166 Leskea ——?
167 Pontia inclinata
168 Hypnum recurvans
169 Hypnum prolix
170 Bartram. muhlenb
171 Hypn. radicale
172 Hypn. serpens.
173 Leskea ——?
174 Leskea rostrato
175 Leskea ——?
176 Hypnum cupressif
177 Leskea fetosa
178 Hypnum serpens
179 Racogonium apical.
180
181
182 Gyrophora vellea
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198 Caenomyce floridan
199 —— anthocomis
200 Barbam

201
202 Racodium cytoprom
203 Hypnum velutinum
204 Pleurisia microdonta
205
206 Sphaeria bullata
207 Sporidesmium atum
208 Lecidea orbartiana
209 Ryloma acerinum
210 ~~Bacomyces var rufescens~~
211 ~~Lecidea on mica flake~~
212 Trichosporus.
213 Peziza elatina
214 Thelephora ramealis
215
216 Thelephora buforia
217
218 Gymnostom Torreyan 267.
219 Hypnum buteum?
220 —— micrate
221 ~~contortum~~
222 Parmelia scortea
223
224 Parmelia cyclofelis
225 Lecidea aurantiaca
226 Variolaria velata
227 Naemarpon exacca
228 Tremella spiculosa
229 Parmelia olivacea
230 Sph. melagraina.
231 Verrucaria nitida var
232 Lecanora varia
233 Merulius brassicaefol Lof
234 Sphaeria Coopsis
235 Phyllarium cinereum
236
237 Lecidea premnea
238 Verrucaria punctiform
239 Dicranum flagellare
240
241 Hypnum triquetrum
242 ~~Parmelia bella auct Lecidea~~
243 Hypnum proliferum
244 Leskea stoloniferum
245 Naemaspora chrysosperma
246 Tubercularia vulgaris
247 Cornicularia fitzillose
248 Barrera exilis
249 Cornia pneumonti var
250 Lanfolinaria ——?
251
252
253
254
255
256
257
258
259
260
261
262 Fontinalis, capillaceus, Lof
263 Sph. subtomanea
264 Caenomyce floridan Lof
265
266 —— anthocomis.
267 Glonisonium ——?
268 Gymnostom. torreyanum
269 ~~Lanfolinaria cuvifolia~~
270 Jungermania viticulosa
271
272 Dicranum cypreum
273 Dicranum acuticulae
274 Sphaeria vinea
275 ~~Dicranum pusillum~~
276 ~~Dicranum compactum~~
277 Dicranum longifolia
278 —— strictum
279
280 Peziza acrustinosa
281 Peziza crocea
282 Jungerman. nova
283
284
285
286

285 Thelephora fuliginea
286 Tremella palmata
287 Peziza leucoloma
288 Tubercular. confluens
289 Boletus conchifer
290 Peziza aurantia
91
92
293 Nectria minor ?
294 Hypnum —?
295 Hypn. albicans
296 Lecanea atrata
297 Thelephora sanguinea
298 Hypnum
99
300 Hypnia vinea
301 Hypnum proteus
302 Barbula caespitosa
303 Hypnum prolixum
304 — contextum
305 Lecanea compressa
306 Hypnum albicans
7
8
309 Hypn. confertum
310 - Hypnum flexile
311 Fontinalis sinuosa
12
313 Lecidea parasema
314 Lecanora cornicula
315 Lecanora crenata
316 Lecidea depressa Lis
317 - Collema ?
318 Lecanora elegans
19
20
321 Lungwort laciniata
322 — capillaris
323 Lungwort scalaris
324 — nova aff dilat
325 — cuvifolia
326 Lungwort. neuropha
327 — fortularioid
328 — taichomanoid
329 Thelephora ochracea
330 Thelephora fuliginosa
331 Thelephora rugosa
32
333 Merulius brassicaefol
334 Merulius deformis
335 Sphaeria tubulina
336 — dififormis
337 — lobata Lis
338 Thelephora ferrugin.
339 Hysterium rufescens
340 Spatular. flavida
341 Hypnum proliferum
342 Exosporium sphaeric.
343 Peziza lenticular.
44
345 Clavaria tubeola
346 Hypnum graminicola
47
348 Hypn. Jaeqan.
349 — contextum
350 Hypnum confertum
351 Barbula hermili
352 Sporotrichum murin
53
354 Acrobolus inquinans
355 Lecidea parasema
356 Alecrisma incarnat
357 Lecidea chorhart
358 Alecrisma incarnat
359 Hypn. cuspidat non plum
Hypnum [illegible]

361 Hypnum Demegan
62 — fol. cofol.
363 Sphaeria fusca var
364 - Novum genus Fury.
365 Rhizomorpha crocea
366 Targionia hypophyll.
367 Rhizomorpha abelina
368 Hedwigia filiformis
369 This paper was empty
370 - Craterium floriforme
371 — Hypnum ?
372 Bartramia an nova
373 - Barbula ? f. capf
374 Sclerotium radiciforme
75 +
76 +
77 +
78 +
79 +
80 +
81 +
82 +
83 +
84 +
85 +
86 +
87 +
88 +
89 +
90 +
91 +
392 Thelephora pallescens
93 +
94 +
95 +
96 +
97 +
98
99
400
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

435
436
37
38
39
40
41
42
43
44
45
46
447 Merulius elegans.
448 Clavaria aurantia
449
450 Hypn. confertum
451 Boletus carbonarius
452 Thelephora crispa
453 - Parmelia plumbea
454 Thelephora fasciata
455 Sphaeria gyrosa
456 Hysterium rufescens
457
458 Sphaeria Scoparia Lis
459 Thelephora purpurea
460 Dicoan. purpurea.
461 Boletus leptocephal.
462 Ludwigia palidop.
463 Helvella mitra
464 Peziza brunnea
465 Clavaria gigantea spec. perform
466 Sphaeria decolorans
467 Boletus fulicina
468 Hypn. fragile
469 Thelephora laevis
470 Boletus reticulatus
471 Trichia varia & Arcyr. punicea
472 Clavaria tenuis
473 Thelephora multipartita
474 Lecanora granulosa
475
476. Boletus velutinus.
477 Sphaeria nivea
478 Tubulina fragiform.
479 Tremella f. Peziza auriformis
480 Tuberularia cornea
481 Lecotia chlorocephala
482 Antronia punctif.
483 Peziza nembrina
484 Dicoan. Orthotrich impulat
485 Lecidea dermiza
486 Baeomyces rupestr var
487
488 Thelephora verrucosa.
489 - Grimia pilifera
490
491 Acrobolus inquinans.
492 Lecidea chorhart
493
494 Verrucaria gemmata
495 Tubercul. pezizoidea
496
497 Lecidea cechumena
498 Thelephora incarnata
499
500 Merulius cornucopiae
501
502 Sistrema crocum
503 Lycoperdaria cornut
504 Agaricus Lignus
5
506
507
508
509
510
11
12
13
14
15

Bethlehem April 2d 1823

My dear Sir

Your favor, postmarked the 28th ult, arrived yesterday & did not fail to give me the most sincere delight, for I had been anxiously expecting to hear from you, & had begun a letter which I now lay aside in order to answer yours. Greatly as I deplore that you have been disappointed in the Expedition to the Rocky mountains which must have produced to Science, yourself & Philadelphia myself to one such a harvest, I am still glad to know you are in our vicinity & that I shall have a chance of seeing you, in case I succeed in my design of coming to Nazareth on a visit. But I must frankly wish you could make it possible to come hither & spend some weeks with us – in which case my collections would ensure to you at least some entertainment. I am very glad to hear that my attempts to determine your kind communications were agreeable – but greatly regret that, excepting Fungi, in which family I can appreciate a little accuracy they are so little to be depended upon! I think you misunderstood a part of my letter – I do not believe that either Brown or other enemy of Science actually deprived me of any thing received from you. It was only the labels or papers whereon I had marked your number & my determinations, which were partly swept away & I had neglected to mark your numbers in my Herbarium, whilst I had before the Catastrophe arranged your presents. After all I was not aware of the nature of your numbers & imagined they had no relation to what you sent me, but referred to your own collection. I shall take care in future to be extremely particular in noting down, whatever you mark on the papers & labels immediately. Mr Nuttall promised to favor me fully all his Cuyuga for examination – which I hope he may do. – I am greatly grieved at the loss of Prof Dewey's plant – but intend to write to him for a renewal if possible. You will most signally oblige me by sending Meriandian or indeed any plant you can spare or receive – & as a method of enabling you in some measure to judge what would be acceptable of European plants I shall take the liberty to send (with those you have defined in your letter mentioned below) my catalogue of Herbar & those wanting having just made a new copy – tho' I fear you will not be able to read my scrawl. Perhaps it may afford you an opportunity to send for trust that you might wish to have – I promise to keep back nothing of which I have duplicates. Mr Nuttall gave me information concerning the Collection of Cuba plants you allude to – but 12$ per hundred & those extremely badly preserved – exceeds my finances. I enclose to you

this time a general list of my desiderata in Am. Phanerogamy with a particular request to procure as many of them as possible either from collectors, or from Prince's Garden. I would go to some expence to get them. Is there no possibility of procuring any of the plants that Dr James brought in the last expedition? American plants I value at least ~~10~~ treble others — because my collection is already so considerable. You are a happy man in having succeeded to get at least a glimpse of Muhlenby Herbar — which I have several times vainly tried to get at. Is the Cryptog part so arranged as to afford an opportunity of looking it over? It will be absolutely necessary to do so — as to the Lichens, because Mühl. Cat. contains a number of names no where else occurring.

I was very much delighted with your zealous labors on the Cryptogs & will with pleasure afford you all the aid in my power — According to the french adage — highly respected by me, & which ought to be the motto of all naturalists "~~[illegible]~~ qu'un erreur découvert vaut toujours une vérité ~~trouvée~~" I am so far from being offended with any difference of opinion on such subjects, that I rather am inclined to forego mine very easily, especially where I am conscious of a want of knowledge. I should therefore be very glad to have your opinion especially where it differs from mine. Sometimes I suspect however this difference will arise from my having made a mistake in the reference. As to the Jungermannias you have the decided advantage over me of possessing Hooker (the very sight of which at Mr Collins' gave me the greatest delight) & I should in every case bow to decisions drawn from him. Weber's is but an epitome, a small work of pages — without plates. In order to enable you to judge of what might be useful to you I send a list of all my heretics. ×× prefixed signifies that I have specimens both from Europe & America × from Europe + tropical — to unidentified — such as I have undertaken to name — several of which are not in my table book. The sign + I have when added behind, that I would be able to spare specimens tho' not always such as are in fructification. Those unmarked are America,

×× Jungerm. platyphylla +
platyphylloides +
× laciniata Hels. +
diffusa +
Porella +
×× tamariscifol +
× × dilatata +
+ magellanica
abrasa ? +
× Blackhinsiae ?
(one from you approach very much)
× × fuscifolia +
× × pallescens
× × trichomanes
lucescens +
+ denticulata
+ ranforfalii +
glycerata +
+ furcata
× heterophylla +
× × bidentata
× fusca
× × tricolata +
bidenticulata +

× reptans. +
capillaris Mich. +
× trichophylla +
pauciflora Lehmann.
× × ciliaris +
fabinlaroides +
laciniata +
+ × pulchrisima diff. from ciliaris
+ × Tomentella +
+ setiformis +
+ juniperoid.
× × implexa +
× gracea
× Woodsii
nigricola +
+ × complanata +
× cochleariform
+ palens.
× × viticulosa +
polyantha
× + lanceolata
× × Scalaris
orbicularis
× gracillima
× × splenioides

+ marsigorhoa
+ conicholea
× × emarginata
× × Fuchsii
× × inflata
× × curvifolia +
Michauxii +
× × bicornis +
×× bicuspidata +
Charlottiana
+ faxicola
+ verticosa
+ minuta Lamy +
× × umbellata +
× × incisa
corrivens +
+ obtusifolia
+ × Dumortiera +
+ × repugnans +
centrosa +
× commutata
× albicans
albescens +
+ Thouinsii
+ exfecta

× gracillia
×× quinquedent +
× incisa
× trigona
+ cellularis
decipiens
× arnicolae
× Hoehnerii
lineata +
×× epiphylla +
×× Pinquis
× × multifida
× × palmata
×× bifurcata
× × furcata
× × pubescens
cilliata
obtusa
Comerii
granulifera

— Marchant. × polymorpha +
orbicularis
hirsuta +
×× Bilunifolia +
+ underwoodii
×× conica
+ cuneata
tenella +
crispata +
hirsuta +
×× Jungion. hypophylla
× Cephalozia orbicul.
Sphaerocarp. turgida
×× Anthoceros laevis
×× fusciscor
corniculata +
laciniata
× × Blasia pusilla
× Riccia crystallina
× × —— glauca
× —— bifurca
+ —— canaliculata
lutescens
glabra
× × nutans
× × [illegible]

Of the american Lycoperdons you mention I am putting up for you specimens of the following imediately 1. trilobata 2. convexum 3. respiratum 4. umbrinum 5. quinque dentatum 6. hyperiale 7. pubescens

Of pallescens I have no duplicate — of reticulatum no American specimen at all, specifically a Labrador specimen without a duplicate — Chrysostomum I have too little of which I fear is the case with ostreatum likewise — but that I will try to send. To these I add Tarzionia hypogaea — Intwoven cortina — a small bit of the gymnomitrium not having any larger — as well as my Sphaerocarpus & Carpobolus of which as published in the Journal of Phil Academy you have taken so flattering a notice

The following specimens among your foreign ones — I should be glad to get I. Bauceri S. I. curta S. I. deflexa S. I. fissa Curtis I. polyandrum S. I. varia S.

Concerning your remarks to my determinations of your Lycoper. I observe that No 321. tridentiformis may probably belong to trilobatum — I think the two otherwise very different in habit. What I call tridentiformis — is short & branches almost at right angles — No 366. Tarzionia hyeme. I picked merely from the Halls — the good fructiferous Salem specimen I intend to send, will enable you to decide 322. I. capillaris is to be found very nearing German Lycoperdon — but still would probably be found to differ specifically — The vitium of Weber — to which I arranged your No 269 — is represented by Nom. Dispositum Stipulata — My I. laciniata from Canada differs materially both in habit from Switzerland — which is certainly very diff. from trichocephalum. Let me, if you please, know shortly which of the foregoing list of my Lycop. besides those above mentioned I shall send you — & I will directly make up a little packet.

At the same time let me know, if you are in possession of Hedwigs Species Muscorum Frondosorum. Opus Posthum. a Fr. Hedwigio Fil. Nunc quarto with 72 Plates — I have a chance of procuring it here for the very cheap price of 10 Dollars (at least I think it cheap,) & perhaps might get it for 8$. If you, or any of your friends would wish to have it. I will get it, and send it on.

Forgive me for troubling you at such length, & if you can without inconvenience let me soon hear from you

I remain with sincere regard —

Your most obdt Servt

Lewis D. Schweinitz

P.S. I am preparing to go largely into the Fungi this year & possibly resume the Algae again —

25

Dr John Torrey

New York.

12.

J. C. Schweinitz
Aug. 2, 1823.
Rec'd Aug. 7th

(Rec: April 8th 1823)

Plantae Americanae desideratae

Zostera marina Nyh.
Salicornia virginica —
Blitum maritimum —
chenopodioides Missouri.
Corispermum hyssopifol —
Ornus americana. Nangd Nyh.
Fraxinus platycarpa ibid
Mirantremum emarginat SC.
Gratiola tetragona —
— megalocarpa —
Utricularia fibrosa SC.
— longirostris Lecroix
— biparvida SC.
— biflora SC.
— perforata —
Lycopus pumilus } Canada
— obtusifol } Canada
— lindaltecus } Canada
Hedeoma hirta Missouri
Monarda rugosa Canada
— hirsuta Mylar Nyh.
Salvia Clayton } SC & G.
— azurea } SC & G.
— obovata } SC & G.
— trichostomoides N. Missouri.
Collinsonia tuberosa } SC & G.
scabra } SC & G.
ovalis } SC & G.
anisata } SC & G.
puberulata } SC & G.
verticillata } SC & G.
Bonja pomulosa } SC & G
acuminata } SC & G
ligustrina Illinois
Lemna thermalis Nutt.
Boerhavia diffusa
Triptterella capitata. SC & G
Iris cuprea. Missouri Nyh
Cornelina hirtella SC.
Heteranthera limosa Illinois
Xyris fimbriata } SC.
juncea } SC.
Sparganium natans Lakes Nyh.
Carex scirpoidea Canad
The same } Fraseri North Carol
lagopus Muhlby
foliifolia Missouri
bromoides
aurea Michigan
ovata Canada & Nfld.
Scleria verticillata SC & Nyh.
Dichromena leucocephala } SC &
ciliata } SC &
latifolia } SC &
Schoenus hispidulus } SC
effusus } SC
Rhynchospora ciliaris C & H.

Cyperus articulatus SC.
formosus
filicinus } SC.
tenuiflor } SC.
tetragonus } SC.
fasciculat } SC.
parviflor } SC.
Scirpus [illegible] SC
[illegible] } ?
marginatus } ?
geniculatus Nyh & C.
quadrangulat SC.
[illegible] Nyh & C.
divaricatus } SC.
schoenoides } SC.
Eriocoma cuspidata Missouri
Zizania fluitans. St Lawrence
Leersia lenticularis SC.
Anthoxanthum rufus SC
Agrostis trichopodes } SC & Nyh
paniculata } SC & Nyh
brevifolia Missouri
Aira aquatica Nyh
brevifolia Missouri
pumila Pennsylvania.
triflora SC.
+ Cryptis spinosa Missouri
Panicum lanuginosum } SC.
corrugatum } SC.
cinerescens } SC.
gibbum } SC.
molle } SC.
hypnocarpon } SC.
[illegible] } SC.
amarum } SC.
multiflor } SC.
aquaticum } Pennsylv
cartilaginum } Pennsylv
strictum } Pennsylv
Paspalum setaceum } SC & G
debile } SC & G
purpurascens } SC & G
vaginatum } SC & G
Eleusine cruciata SC.
Poa crocata Canad
refracta SC
subverticillata
airoides Missouri
Uniola nitida SC.
Festuca spicata Missouri
poaeoides
Uralepis purpurea } SC & G
cornuta } SC & G
Koeleria nitida Missouri
Aristida longa SC
pallens Missouri
tuberculosa Geo
+ Sesia canadensis
expansa
stricta SC
parviflora Missouri

Avena fatua — Mispaw
Saccharum contortum — C.
Pellaea dactyloides — Mispaw
Andropogon melanocarpus
facciculatus } S.C.
bicornis
Rottboellia paniculata — Mos
ciliata } Geg & Fl
rugosa
Manisuris granularis — Fl.
Lagurus hystrix — Mispaw
+ Hordeum pusillum —
Polycarpon tetraphyllum S.C.
Coiocaulon flavidulum S.C.
Lechea tenuifolia
Spermacoce glabra
involucrata } S.C.
Diodia hispida
tetragona } S.C.
Allionia nyctaginea — Chiot
albida
pilosa
hirsuta } Nutt.
angustifol.
decumbens
Galium hispidum.
Eracum pulchellum? — Ndorf
Centaurella autumnalis
Plantago cordata
cucullata
graphalodes
aristata
glabra
Centunculus lanceolatus
Cornus asperifolia
Camphorosma glabra — Mispaw
Ludwigia lanceola
virgata
capitata
alata
sphaerocarpa
cylindrica
Urtica chamaedroides
capitata
gracilis
Hippophae argentea
Macleria aurantiaca
Planera aquatica
Pachysandra procumbens
Myrsinda myrtifol. — W. Am
Ilex vomitoria
angustifolia } S.C.
Tillaea simplex — Philad.
Heliotropium europaeum — Wurzb
Myosotis glomerata — Mispaw
Batsonia decumbens —
Cynoglossum pilosum —
Hydrophyllum lineare

Macelia bipinnatifida
heterophylla
Ellisia ambigua — Mispaw
Hottonia inflata — N.Y. & S.
Sabbatia bracteata
gentianaeifolia } S.C.
Convolvulus aequatorius
paradoxus
sagittifol.
macrorhizus
Cuscutae
Ipomoea diffusa S.C.
carolina —
orbicularis —
bona nox —
ciliosa —
Gomesia aggregata —
inconspicua —
Phlox caudata —
nitida
speciosa S.
Cullonia linearis — Mispaw
Chiococca racemosa
Androcera lobata — W. Am.
Solanum mamosum
virginianum
triflorum — Mos.
Physalis philadelphicum
Nicotiana quadrivalvis
Azalea bicolor S.C.
nitida
hispida } Pers
Bumelia tenuifolia
chrysophylla
rectinata
angustifolia
Campanula nitida
Capraifolium flavum S.C.
Ribes albinervium
triflorum
procumbens
resinosum
discoispinum
sanguineum
recurvum
rotundifol.
hirtellum
gracile
triflorum
cynosbati
Vitis palmata
Cissus bipinnata — Vitis art.
Viola Nuttalli
Claytonia spatulata
alsinoides
Prunus minutifl.
alnifol.
Ceanothus sanguineus
polyphyllus
Evonymus obovatus
angustifolia

Solidago lanceifolia
recurvata
retrorsa
puberulata
planiflosculosa
livida
hispida
elata
viminea
Inula graveolens
trichophylla
villosa
divaricata
Doria longifolia
Arnica fulgens
maritima
Tussilago farfara
Boebera glandulosa
Trichophyllum lanatum
oppositifolia
Chrysanthemum arcticum
Starkea pinnata
Eclipta procumbens
Sigeotechnia planulosa
Verbesina laciniata
Aconella repens
occidentalis
Buphthalmum sagittatum
Helenium quadridentata
Actinella cymbalariifolia
acaulis
Baldwinia multiflora
Heliantnus tuberosus
lactiflorus
pauciflorus
prostratus
multiflorus
Rudbeckia amplexicaulis
laevigata
bicolor
gracilis
triloba
columnaris
pinnata
Coreopsis crassifolia
arguta
latifolia
rosea V. Duf
aristata
trifida
mitis
auriculata
nudata
aspera
Actinomeris alata
Silphium elatum
reticulatum
Iva ciliata
xanthifolia
imbricata
axillaris
Ambrosia bidentata
paniculata
heterophylla
tarnerifolia
Xanthium orientale
Orcinei hyperbaeus
chinensis
asteroides
Mabenaria repens

Listera pubescens
Bletia verecunda
Calypso americana Pluron
Cypripedium parviflorum
humile
Aristolochia Sipho
Nardata
Nayas canadensis
Fragia macrocarpa
Croton capitatum
deliptricum
Stillingia sebifera
Salix lanceolata
candida
vestita
planifolia
angustata
rostrata
cordata
amygdaloides
decipiens
Populus laevigata
heterophylla
Betula excelsa
Alnus crispa
Castanea alnifolia
Quercus crinita
nana
maritima
myrsinifolia
agrifolia
heterophylla
ambigua
Cuthbertii
Juglans fraxinifolia
fulcata
microcarpa
myristicaeformis
Pinus rubra
alba
taeda
resinosa
× Juniperus repens
excelsa
Salix parvifolia
Euphorbia dentata
pubentissima
marginata
‡ Equisetum aliginosum
Bernhardia dichotoma
‡ Osmunda claytoniana
‡ Aspidium cicutarium
Asplenium lanceolatum
Pteris gracilis
Woodwardia thelypteris

+ Those thus marked have been sent by J. D.

‡ Doubtful species

× In the Herb. of J. L.

12.

Paronychia lepidifloro
Nyssa candicans
tomentosa
denticulata
Egonitobus carolinae
viridiflor Nuttall
obliquus
Cynanchum laeve
angustifol
Asclepias nivea
rampicula
connivens
lanuginosa
Anoctnevia viridis L.C.
Swertia fastigiata
corniculata
Gentiana alba
Evolvulus numularius
sericeus
argenteus
Eryngium fœtidum
gracile
Hydrocotyle umbellata L.C.
Daucus pusillus. L.C.
Peucedanum teratum Nuttall
‡ Ferula villosa
foeniculacea Mich.
nudicaule —
Thaspia glomerata —
Sium denticulatum
teretifolium
Oenanthe carolinica
ambigua
Aethusa divaricata
leptophylla
Sagelli triternat
divaricat
Thaspium aureum Pursh
Artopilex canescens
argentea
Prenanthes subspicat.
Lactuca tinctoria L.C.
Hoochia dioica
‡ Viburnum nitidum
edule
Rhus vernidifolia
Amaranthus paniculat
sanguineus
Acnida rufocarpa
Zanthoxylum fraxineum
Linum rigidum Mich.
Drosera brevifolia
Sibbaldia procumbens
Crete
Schisandra coccinea
Tillandsia recurvata

Diphylleia cymosa
~~Caulophyll~~
Mahonia aquifolia
nervosa

Prinos coriaceus
alternifolius
Pancratium reflexum
mexicanum
Allium stellatum
triflorum
fraxinum
mutabile
Brodiaea grandiflora
Hypoxis filifolia
graminea
‡ Pontederia lanceolata
Yucca filamentosa
recurvifolia
gloriosa
albifolia
aloifolia
Phalangium crocum
Lilium pensylvanicum
medium
andinum
Fritillaria lanceolata
alba
Erythronium grandiflorum
Uvularia pubescens
Smilacina umbellata
ciliata
Polygonatum biflorum
Ornithogalum croceum L.C.
Gleditsia monosperma
Juncus acutus
aristatus
dichotomus
biflorus
L.C.
melanocarpus Wahlb.
Sabal adansoni
mysiriae
Chamaerops palmetta
ferrulata
Nolina georgiana
Callochortus elegans
Melanthium monoicum L.C.
glaucum Niagara
Zigadenus glaberrimus
elegans.
Veratrum parviflorum
Helonias latifolia
dubia
pumila
Xerophyllum tenax
gramineum
Tofieldia glabra
pusilla
Triglochin alatum Nutt.
triandrum
Trillium avatum
pusillum
Catesbaei
nervosum
Rumex divaricatus
pulcher
verticillat
exonatulus
venosus Nuttall
Smilax herbacea
bona nox
pulcera

Hibiscus carolinianus
incanus.
virginicus
spectabilis.
Pontederia lanceolata
pubescens.
Saururus pentagynus virginicus
Petalostemon candidum
violaceum
obovatum
Polygala ericifolia
Lobelia nottiana
fervida
argentea
puberula
cardinalis
Amorpha nana
canescens
Lactucina [illegible]
corymbosa
Pontederia cordata
Sorghum halepense
Lonicera sempervirens
Prunus serotina
Gaillardia pulchella
Elephantopus tomentosus
Sorbus americana
corymbosa
Lobelia [illegible]
Viola pubescens
Gaillardia pulchella
Geum virginianum
Lonicera sempervirens
angustifolia
Hedysarum stricum
lineatum
Lobelia nicotianifolia
[illegible]
Lycopus virginicus
Gentiana platypetala
macrocarpa
Coreopsis tenuifolia
Dalea alopecuroides
aurea
laxiflora
parviflora
Spiraea salicifolia
millefolium
hypericifolia
tomentosa
corymbosa
salicifolia
gracilis
Monarda fistulosa
mollis
bicolor
mutabilis
arcuata
macrostachya
multiflora
Trifolium macrocephalum
pensylvanicum
involucratum
megacephalum
Medicago lupulina
Prosopium cuneatum
nivosum
Coreopsis macrophylla
tinctoria
Polygala incarnata
Penstemon pinifolius
digitalis
pennsylvanicus
gracilis
aphyllus

Cirsium pugillum
Stokesia cyanea
Cordylanthus rigidus.
Cacalia reniformis
tuberosa
lanceolata
Hymenopappus tenuifolius
Polygala polygalifolia
Helianthus pubescens.
Eupatorium purpureum
falcatum
Gnaphalium obtusifolium
Parthenium integrifolium
Veronica officinalis
angustifolia
chamaedrys
Liatris pycnostachya
squarrosa
aspera
pilosa
graminifolia
scariosa
mucronata
Aster tenuifolius
longifolius
lateriflorus
columbianus
graminifolius
tradescantii
cordifolius
chinensis
sagittifolius
texanus
novae angliae
vulgaris
amellus
Ranunculus arvensis
Oryza mexicana
[illegible]
Erigeron pumilus
canadensis
annuus var.
strigosus
pulchellus
compositus
Senecio canadensis
integerrimus
Aster vimeus
[illegible]
graminifolius
[illegible]
pycnocephalus
[illegible]
Radula peregrinus
[illegible]
[illegible]
[illegible]
gracilis
floribundus
[illegible]
adscendens
laevigatus
[illegible]
[illegible]
simplex
polycephalus
[illegible]
gracilis
linifolius
albus
abbreviatus
salicifolius

Calycanthus inodorus
Philophorum diphyllum
Saracenia Catesbaei
Tilia laxiflora
heterophylla
Lewisia rediviva
Caligonum caniflorum
Drosera rotundifolia
Menispermum Lyoni
Delphinium tricorne St.
Hypericum pyramidatum
aspalathoides St
tenuifol. St
triplinervium
procumbens
decaisnianum G.
ambiguum
fastigiatum St
Myrium grandifolia P.
Cimicifuga cordifolia St G
podocarpa St
Illicium floridanum
parviflora St
Magnolia grandiflora
macrophylla
Porcelia pygmea
Clematis calycina St
cordata
holosericea
Walteri St
cylindrica St
linearifol St
acuta St
Anemone ludoviciana
tenella
Thalictrum cornuti
ranunculoides
carolinianum
Caltha ficariaeformis
Ranunculus parnassifolius
carolinianus
palmatus
oblongilobus
echinatus St
trachyspermus St
Cyamus pentapetalus
semiferus
Sagittaria heterophylla
rigida
graminea
acutifolia
natans
pusilla
Carica papaya
Hypericum aspitata
Lamium hispidulum
Lycopus maritimus
Pycanthemum nudum St
Calamintha grandiflora St
Dracocephalum variegatum St
cordatum
obovatum St
parviflorum
Trichostema dichotomum
Scutellaria parvula
integrifolia
carolinianum St
canescens
villosa

Verbena rigida
stricta
Lippia nodiflora
lutea
Euphrasia latifolia
Bartsia grandiflora
laciniata
tenuifolia
gymnandra
Orthocarpus luteus St
Castilleja grandiflora
integripalpa
Gerardia purpurea
linifolia St
tenuifolia
filifolia
auriculata
fructicosa
cuneifolia St
fasciculata
macrophylla
Leymeria
Herpestis rotundifolia St
monnieria
Browne
Lindernia grandiflora St
Mimulus Lewisii
Chelone Lyoni St
Pentstemon deflectum
gracile
crassifolium
fruticosum
coerulens
albidus
grandiflora
Buchnera hispida
hebrosa
ciliata
Orobanche ludoviciana
fasciculata
Thlaspi alliaceum
tuberosum
Draba nivalis
nemorosa
stabella
Alyssum desertorum
ludovicianum
hyperbaneum
Lunaria tenella
maxima
Cardamine uniflora
macrophylla
Sisymbrium Nasturtium
Erysimum parviflorum
Erisimum Allionii
asperum
Arabis pendula
rectans
Stanleya pinnatifida
Washitana
Cleome cuneifolia St
formosa
Isatis ficoides
dichotoma
Philoxeris vernicularis
Lobelia paludosa
Sida carpa
hispida St
spinosa
abutilon
alcaeoides
Malope malacoides St
Malva abutilon
trilobata St
coccinea

Asclepias nivalis
fabulata.
Aesculus glabra
Bruchia formulata
floricta
Oenothera albicaulis Mis
pinnatifida
ambigua Pittsd
Fraseri S.C
rigida Willd. N.C
alata Mis
pusilla
Ceanothus pulchellus
Epilobium latifolium Mis
Oxycoccus erythrocarpus crust
Menziesia ferruginea
globularis
empetrifolia
Acer macrophyllum Wilm
circinatum
Diospyros pubescens.
Piotia granulata
Polygonum biotroides
parviflorum Willm
setaceum } S.C.
incarnatum }
Bauerichia arborea G.
Elliottia racemosa S.C.
Myriophyllum heterophyll
Laurus Catesbaei
Eriogonum flavum
parvifolium } Mis
latifolium
Plecia tenuifolia
Sophora sericea. Mispar
Thermia rhombifol —
Virgilia lutea Tenaspee
Cassia ligustrina
linearis
aspera } S.C.
fasciculata
Arbutus alpina
laurifolia
menziesii } W. T.
tomentosa
Gaultheria Shallon
Vaccinium myrtifol
ovatifol
nitidum
myrsinites } S.C
buxifol } W. A.
ovatum
Andromeda hypnoides Whitlle
angustifolia
rhombifol } S.C
rigida
Kalmia glauca S.C.
Rhododendron punctatum S.C.
Pieris andromeda Niagara
Clethra tomentosa
scabra
aluminata } S.C
paniculata
Tribulus trijugatus
Hoicica glandiflora S.C.
subacaulis
Styrax leptocarpa Mis
laevis

Acacia brachylobia
Saxifraga serpyllifol
bronchialis
setigera
fibularis
pectinalis
Tiarella menziesii
trifoliata
Mitella alternata S.C
cordifolia
renifolia
protrusa
grandiflora
Dicentra canadensis
Silene regia Lam
rotundifol Tenas
Baldwinii Flor
fimbriata } S.C.
acuta
Stellaria elongata G.+S.C.
Arenaria diffusa S.C.
macrocarpa S.C.
Micropetalum lanuginosum S.C.
Spergula decumbens
Oxalis Lyoni
furcata } S.C
recurva
Sedum fenopetalum
Cactus mamillaris
viviparus
ferox } Mis.
fragilis
Bartonia ornata } Mis
nuda
Montzelia aurea
Tigarea tridentata
Taenia canadensis
carolinianum
hirsuta
umbellata } S.C
maritima
temperflorum
Crataegus lucida
scabrinata
arborescens } Ell S.C
carolineana
Sorbus microcarpa S.C.
Amelanchier sanguinea Canad
alnifolia Mis
Spiraea rhamnifol Can
capitata
discolor } W.A.
corbifol
lobata S.C.
Rosa blanda Canad
Lyoni Tenaspee
rubrifolia
laevigata G.
pendulina Flor.
Rubus canadensis Vg & N Engl
inermis
parviflora Canad
spectabilis Canad
pedatus } N.A.
stellatus
Dalibarda lobata S.C
Fragaria canadensis
Potentilla disjuncta
pumila
fruticosa
Geum strictum
agrimonioid
album
rivalatum
radiatum
fedeli
triflorum

Newburgh May the 25th 1823

My dear Sir

This evening Mr Jacobson of Nazareth an intimate friend of mine is going to start for Newyork. I make use of his polite offer to send you the roots of Schwajurichen for which according to your direction I have paid 10 Dollars. If you would be so good on receipt of this to call upon Rev. Benj. Mortimer, Fulton Street, you will there either find the gentleman or at least the packet — as I was unable to give him such directions as would enable him to find you, he being a perfect stranger at Newburgh. As he intends to return in a few days it would perhaps be a good opportunity to send me a package if you have any ready. Mr Dewey has just informed me by a letter that he has forwarded one for me to your address. Inside the box you will find my old copy of Order of my Herbarium — thinking it may be enable you to point out thing which I possibly have in duplicate or acceptable to you — which would be instar a demand to send them. Besides you will there find (miserable specimen I fear) the Lycopodium. you requested in your flora.

That kind & precious letter arrived here during my absence from home — while I had the good fortune to receive the plants you last sent on my journey at Rutland & enjoyed them greatly. I have since delayed answering from an anxious desire to give you my opinion on the Lycopodium. fent. Unfortunately my time has been so taken up by urgent duties, that I have not succeeded in finishing their examination. They appear, most of them, to be species as I had seen before — but I shall by leave after a while to communicate my remarks

My hopes of seeing you at Newburgh this season are nearly vanished as I fear he under the necessity of making a journey of business to Mucklinburgh in July. Possibly this may however result in the acquisition of a good number of Western plants, as I propose travelling

in a manner that will permit botanizing.

I think it needless to repeat how very much I am obliged to you for all your kindness to me, especially for the last package. During my stay at Philadt. Mr. Dey gave me some hopes that you would join the expedition of Mr. Long — but I am sorry to have heard nothing further. In my next — excuse my hurry — they are calling me in ten directions — I hope to give you some satisfaction upon the several points your last favor mentions by mean while remain Yours sincerely

Lewis D'Olivecrona

Bethlehem
May 25th

12½

Dr John Torrey

New York

via Philadelphia

13.

J. G. Schmidt
May 25th, 1823.
Recd May 28th.

Bethlehem Sept. 16th 1823

My dear Sir

This moment I receive your kind letter of the 11th. I am the more eager to answer it immediately because I greatly regret that you took the trouble to apply to me, upon a doubt, which I am so entirely incompetent to decide as it regarded your work. I have never paid anything like sufficient attention to the analysis of the Grasses (the Carices excepted) to enable me to give an opinion; least of all concerning the identity of Genus — it is a part of the study of Botany which I have still in view — Besides I am unprovided with the works in which the genera are analysed. Excuse me therefore in not being able to be of any service to you in this respect. Neither of the Genera to which your interesting grass (of which you certainly kindly sent me a specimen) might belong is at all known to me.

My long absence has prevented me from writing the little articles which I had intended — I hope to be able to prepare some during the winter — with which I shall trouble you for the Annals of the Lyceum if found worthy. I am at this moment busily engaged with my monography of the American carices, which however becomes too voluminous to be printed in a Journal. I shall therefore, if you permit me, take the liberty, when finished to send you the manuscript, together with my Volume of Carices for use & inspection — especially in reference to your Flora. I cannot describe the pleasure which its perusal gave me, nor sufficiently thank you for the present. Unless you forbid me, my next will contain a sheet of remarks upon it* together with the few additional plants if any, which I have found in the region it includes — I intend to subjoin a list of the plants in this vicinity to enable you to send for any you may wish to see for your work — if I have no specimens to spare I wish you at least to see such as may be of use — & not one in my collection which I should not be glad to send you for examination & recognition.

It will not be uninteresting to you to be informed that the Gyrodia auriculata — hitherto only found by Dr Darlington in Chester county, has this year been found in quantities by

* — not upon the Genera of Grasses however — for unfortunately I have only a kind of knack-knowledge of them!

the young students at Nazareth. Specimens are at your command. It is not a Leptomeria — as Nuttall supposes. Apropos The Leptomeria macrophylla I found growing on the Muskingum river during my Journey.

The receipt of Prof. Dewey's Carices gave me inexpressible pleasure & has been of very great use to me in my present work. I most eagerly expect the package you promise. Please to let me hear from you as soon as convenient & believe me, with great gratitude for your valuable services your humble first & sincere friend

L. D. Schweinitz

P. S. How is it, that Elliott's numbers do not appear? He wrote me that three would be forth coming in May.

Would not a comparison of the Asters & Solidagines in my collection, with yours, be a good assistance when you come to that part of the business in the Flora — You are welcome to consult my forms — as we are not so far distant from one another as to prevent my sending my whole collection to you & I think nothing more useful than such comparisons.

Paid 1 2p

Dr John Torrey

New York.

Bath. Sept. 21st 1823

My dear Sir

I take the liberty to enclose you this day my very unimportant remarks upon your excellent Flora — do me the favor to let me know your sentiment upon them.

I have almost completed my Monography of the Carices, of which I intend to make a Copy as fair as possible — in as good writing as my unlucky hand permits, to present to you in manuscript. But I wish to make an enquiry concerning the Journal of the Lyceum — my head almost runs crazy with the astonishing effects of a perfectly new (at least to me) analytical method of distinguishing the plants of a numerous genus, by analytical tables, which is well executed, cannot fail of determining the species. The idea was I believe first operated upon by De Candolle & Lamarck — & I have just received a Flora of Northern Germany by one of my most intimate friends there Mr Peter Curie — in which that plan is pursued throughout — I instantly applied it to our Carices, & find it answer admirably. Now my enquiry is, whether your Journal would admit such an analytical table of all the American Carices — about 100 in number which I know of — by means of which every person that is only slightly acquainted with the terminology — shall be almost with absolute certainty enabled to find of any given Carex in his hand, if, whether it is in the table or not, & what name the author of the table calls it by. These names will then refer to the authors who mention the Carex for ample descriptions — or as regards the new ones establish[illegible] me to descriptions, which might follow in another number. The table itself would not take more than at most five leaves [illegible] an octavo book — If you are ~~not~~ unacquainted with this method, I am sure its effects will please & astonish you. In case you thought such a table admissible (with short directions for its use) what would be the latest period for sending it to you? Let me beg you, when you put the promised package of plants into the ~~stage to wait~~ to give me information thereof at the same time by way of Portland — with a few lines, thus I may enquire for the package at Easton —

With sincere affection

Your most obliged Friend

Lewis D. Schweinitz

25

Dr John Torrey

New York.

16

J. L. Schweinitz

Sept. 11th 1823.

Rec'd Sept. 18th

Remarks upon Dr Torrey's first number of a Northern Flora

The plan and its execution are equally excellent as regards its coincidence with Elliotts Sketch and Nuttall's promised Western Flora to join a complete account of the Plants of the United States — I only regret that Mr Elliott has confined himself to South Carolina & Georgia. The two intermediate states Virginia & North Carolina, more especially the latter with its high mountains & remarkable swamps, leave a gap of some consequence, which ought to be filled up. I presume Dr Torrey does not include Labrador, Canada &c.

I shall now proceed to remark upon the Genera & Species in their Order, not mentioning those I have nothing to say to.

Ranunculus Cymbalaria — I have never seen specimens of this — & beg for some

Ranunculus vulgaris — I have American spec. only from Labrador — & these are altogether identical with numerous european specimen — so that I do not believe in the existence of another Am. species

Callitriche verna β intermedia — I believe to be the same with heterophylla Pursh — but think the latter name more appropriate.

The autumnalis of Europe — is certainly different I think from linearis — I can send you specimens of both — which tend to prove it

—— linearis Pursh which I have found in N. Carol rarely — & had beautiful fructiferous specimens from Cherokee County — is not at all the same with C. autumnalis of Europe. See above

terrestris — I have much doubted the specific difference of this from heterophylla — since I observed a spot, where the heterophylla were floating very aft. & exhibit undoubted terrestris, shortly after on its dry surface

Blitum — all the spec. are unknown to me & desireable especially maritimum — as I have spec. from Europe of the same

Ornus — I wonder by what means one could get at this fabulous tree

Veronica beccabunga — I have found in Ohio — exactly the European — what is here called anagallis is certainly not the true European one — I have called it intermedia var.

Veronica peregrina — Raf cannot scarcely be different from arvensis

Gratiola virginica — Taking the neglecta for the true Linnean virginica that of Elliott, which is manifestly distinct — & has been found by me here at Bath — & by Capt Leconte on Schooleys mountain, ought to be distinguished by another name — perhaps Elliotti — & inserted. Have you no Northern Specimens?

megalocarpa — greatly desired —

Lindernia dilatata — your spec is much rarer than alternata. The latter I have never found in Pennsylvania. The former is in great plenty on the shores of Susquehanah — Harrisby

Catalpa — With your leave — is not the word South in the Mab. a misprint for North!

Justicia pedunculosa — Capt Leconte maintains that the specimen pedunculosa (which I have never seen) is very different from this — which is very common on the Susquehanah at Harrisb found in full flower beginning of July 1823

Utricularia fenestra — our Salem N.C. specimens are most generally flower

Utricularia purpurea — I long to see.

Lycopus europaeus β. angustifol. Do you really think that the Lycopus europaeus which you kindly sent me, & which grows here plentifully — is the same plant with L. angustifolius. This I have never found branching or at least only at the base, & sends up ~~these~~ long stalks often 4 or more feet high, with leaves all alike. The europaeus you sent me — is certainly not different from the european specimens. I found a very curious tall branching one on the Mechingpass which agrees very well with Elliott's sinuatus — & european specimens of exaltatus. It differs entirely from europaeus.

I have no doubt the L. uniflorus of Nuttenbury is not a seperate species — possibly the Canadian plant of Mx may be different.

Monarda didyma of this I found fine specimens in Ohio very near the Conneaut line — and most splendid ones of Tidesch's Kalmiana branching exceedingly on the Laurel mountain Penna. I agree with you that there is no specific difference — Both bear proliferous heads occasionally. The M. punctata is extremely common in N.C. I have not met with here the M. Virginica is found on the Allegany mountains. The latter is called Horse mint in Ohio, where it is a great nuisance on wheat & rye fields, communicating its taste & smell to the grain.

Salvia Claytoni — have you seen that plant? & where can it be got?

Circaea lutetiana β. canadensis I have not seen here — it is rare in N. Carol but common on the west side of the mountains in Tenn & Ohio — The species which grows here plentifully is the C. intermedia of the German botanists — to be sure the specific difference is not great & consists in certain opaque leaves & shortness — ††

†† Upon all I think there are but two real species C. lutetiana & alpina

Lemna minor — you say is common & wrong at the U. S. I have diligently sought it — & never found it — L. gibba I have here & in New Jersey as well as trifulca & polyrrhiza. It is curious that with all possible pains I never succeeded in finding any species of Lemna in North Carolina

Fedia radiata) as described by you perfectly answers. The specimens I find here. But what I called so in North Carolina — is very different. That grows about two & three feet high — The Corolla has not the slightest tinge of blue — the seminia are not much exserted & the leaves, semi amplexicaule & always deeply and lacerately dentate below, sometimes these indentures are even auriculately produced

Iris versicolor I felt sincerely obliged to you for the successful attempt to put an end to all my vexations concerning this Iris — & I gladly assent to your reunion. But when you join the prismatica of Tuesch & gracilis Bigelow — as the true virginica of Linnaeus — which is certainly correct — I except from this union my prismatica of North Carolina, which I had long suspected not to be the same with Tuesch's. That has a stine has a very long greatly flexuose stem, winding to the height of five feet, & by no means flowers only in a terminal raceme but several lateral branches.

Are you unacquainted with the Iris cristata & Iris verna — differently extremely in habit & marks — & both equally common in N. Carolina the first on hill sides — & the last (which approaches nearer to the lacustris you send me than the former) in burnt woods not in tufts but always seperate — & extremely odiferous

Lyrio brevifolia was found this year on the Bushhill by the students at Nor. & differs very materially from L. flexuosa Ell. — I think you ought not to have united L. caroliniana with that.

Sisyrinchium — I suspect you have not before you the same species which I have called by these names, & to which I subjoin a third found near the Catawba covering whole meadows — answering bermudianum) because you seem to describe the leaves & scapes in both species as extremely similar. In mine they are uncommonly different — the one answering your description — the other two not at all. Yours I have probably not distinguished from one another — but shall attend in future. If you please let me send you specimens of my two broad leaved species from N.E.

Rhynchospora monocephala grows here at Cathleen.

On the grasses I can make no other observations — on account of my superficial knowledge — except mentioning which I should be glad to procure

Scirpus pedillus Vahl — not known to me
caespitosus β. callosus. Big — do
subglaucopus — do
spadiceus — do

Schoenus marisciodes I have a grass from Georgia which I have arranged under this name which appears to be a congener of the Cladium mariscus of Europe

Rhynchospora fusca R. & S. — Was this grass been really found in Am.?

Dulichium canadensis I have found a grass — in appearance like D. canad. in the Lehigh Gap — whether distinct enough to constitute a species I will not decide

Cyperus dentatus — unknown to me

Cyperus virens or one that I call so — & a very distinct species is common here on the gravelly river shore

Cyperus flavicomus — I am pretty sure that I have found it here

Spartina cynosuroides — Can the tall ten foot high plant which I have found in the rich plains on the Muskingum be the same with that of your salt marshes?

Paspalum scrobiculatum — I have specimens from European gardens & certainly never saw anything of the kind in Am.

Milium effusum I have found wild (it is not cultivated there at all) in North Carol.

Aristida purpurascens I should be glad to see in order to ascertain whether certain superficial ones I find belong to this species — Your description does however not in the leaves agree with specimens of Pennsylv. derived from Mecklenburg

Trichodium montanum — Let me see.

Agrostis scabra — I am glad you could not find it more than myself — God knows what is meant

A. — compressa — quite unknown

Panicum — I think I have found longifolia as distinguished from clandestinum I long to see. The latter I found at Harrisburg

Avena coarctata } would be very acceptable
Cuscuta brevipilis }

Cuscuta virginica. I long to see — in order to distinguish fr. Agross virginica

Glyceria acutiflora do do from Fluitans

Poa fasciculata maritima — Very desirous to see.
pungens of Elliott — I can furnish you. It grows here
fœstina — I do not understand what you mean by this species
citing the P. palustris of Mich.

Festuca fasciculata — would be very acceptable
Ceratochloa unioloides — do
Diarrhena americana — I find by your description that I must have altogether mistaken this plant — & should be glad to get it

Trisetum purpurascens — I should be glad to see
Avena praecox — Should the citation of Torch not be Aira praecox? I desire it

Aira flexuosa, aristulata, pumila — are quite unknown to me

Lolium — I have found a remarkable Lolium — with sometimes furcate spikes — on the highest summit of the Allegany mountains — not yet examined

Atheropogon cephalodoides — is not rare here at Beth — often three feet high

Panicum pedunculatum — unknown to me
macrocarpum — I desire it because I am doubtful about mis
involutum, depauperatum — both unknown to me

At Bethlehem I have found a Rhynchospora, which you do not describe, which would be the only northern plant I know of not in your book.

The following list of my desiderata I repeat —

Panicum depauperatum
involutum
macrocarpum
pedunculatum
Aira flexuosa
aristulata
pumila
Avena praecox
Trisetum purpurascens
Diarrhena americana
Ceratochloa unioloides
Festuca fasciculata
Poa fasciculata
maritima
fœstina
Glyceria acutiflora
Cypsis virginica
Alopecurus aequalis
brevipilis
Agrostis longifolia
compressa
Trichodium montanum
Aristida purpurascens
Cyperus dentatus
Scirpus pusillus
cespitosus
subterminalis
fluviatilis
Hydrocotyle purpura
Gratiola megalocarpa
Bidens maritimus
virginicus
Salicornia herbacea.

I beg to ask you, whether you want specimens of the following

1. The Rhynchospora not mentioned, which I think is new
2. Lolium annum —
3. Was I called Festuca diandra
4. My supposed Agrostis aquatica.
5. & my Cyperus virens
6. ——— flavescens
7. ——— Dulichium canadense
8. My Force Scirpus rhynchospermum
9. ——— Gratiola ivory. Elliott

which I shall be able to furnish I believe.

Bethlehem Sept 25th 1823

My dear Sir

I am afraid you will not only be astonished but vexed to be plagued every week with a letter from me — but I cant help it — I am so very desirous to get your Analytical Table of the Carices, concerning which I wrote you in my last, that I cant find it in my heart to lay it by & send it to you enclosed, with the request to be so good as to make trial of it, & let me know what you think of the Idea. I consider it a most extraordinary improvement in the art of treating so extensive a genus. To be sure it is necessary to refer to more detailed & full descriptions in order to become fully acquainted with any particular species — but as for finding & recognizing what the author of such a table calls any particular Carex &c. &c. — I conceive nothing can be more certain. You will observe that there are about 25 — 26 species in this table which I have attempted to establish as new — If these & some others imperfectly described — by Michaux & Muhlenberg &c — I think detailed descriptions would not take up much room.

As to giving the Table a place in your Journal — I leave it altogether to your discretion — & if they agree to keep it at all events as an Index to the manuscript copy of my now finished Monography which I intend to send you as soon as copied. If the table should be printed — then your Journal in future would be the proper place for the detailed descriptions of the thirty species about — which I think it would be necessary to give. To these I could perhaps on two octavo plates — add drawings of the principal parts of the described new Carices — It would not be practicable to give drawings of them in full — upon less than 12 or thirteen plates which is out of the question.

In case for any reason whatever the table is not admissible in your Journal, only let me know — but do not send it back for I am sure you will find it of use, when you get to the Carices & do not forget my offer of sending you for inspection & examination my whole Collection of Carices which contains about 150 species; whenever you want it — so as to be not an unreasonable time out of my hands.

I am with sincere sentiments of respect Your most obd & sincere friend

Lewis C. Beck

P.S. The Carex fulvicata you formerly sent me is beyond all doubt the C. Collinsii Mirbell — this does not prove it not the fulvicata of Mx — However I found one in the Allegany mts. which answers Mx description exactly well & that not that curious formation of the sexes mentioned by Mitt & not by Mx — I have given the name fulvicata to this

17.

C. L. Schmeltz

Sept. 25th. 1823

Rec.d Sept. 29th

Bethlehem Nov. 1st 1823

My dear Sir

Yours of the 15th ult, gave me the most sincere pleasure, & I beg leave to thank you in a particular manner for devoting a part of your so much occupied time to a correspondence which I am so sensible cannot be half as interesting to you as it is to me. No less obliged do I feel by your remarks concerning the Carices. Indeed I am anxious to add the species you mention to my analytical table as well as to make some necessary corrections. To you who are so intimately acquainted with the Genera it may appear an inexcusable superficiality & indeed I blush to own it – but still relying on the French adage "L'on erreur decouvert vaut toujours une verité trouvée" must do so – I find that I stumbled grievously on the very threshold (but I hope in that one instance only so badly) For upon a closer examination of my Carex leonina – I have made the discovery that it is no Carex at all but most manifestly your Scirpus planifolius. It is astonishing how easily one is sometimes misled by a prejudice that once takes possession of the mind. Not having the smallest doubt of its being a Carex I neglected that part of the analysis which, when undertaken afterwards at once convinced me of my mistake. But let me make a remark upon your objection to the analytical way I propose. I am perfectly sensible of its imperfections & that it by no means suffices to give a full & clear idea of a species. I only intend it as a means of facilitating the mutual understanding between different botanists of the identity of the plants they are examining, & of making beginners generally acquainted with certain species. As such I am pretty sure it will prove itself of some importance. As a proof I mention that Collins who made very light of my table when I shewed it to him, according to his private way of doing business, kept it by him, & examined his dubious species by it – & owned after he had shewn me some of them & asked me how I would call them, that he had made out the same names exactly by my table. Perhaps another instance may be your suggestion, that my Carex striata is the Xanthophysa of Muhl. – which I am very much inclined to believe (altho I see no male flowers at the summit of the female spikes) If so that Carex is however ill described. I cannot entirely agree with you as to the great ambiguity of the subdivisions – as soon as the precaution is used of having a good number of specimens before you. The slighter or greater variations in these appear to me

almost always to indicate the true rubric with sufficient certainty. Besides by extending a principle I have in a few cases adopted - the remaining difficulty might be altogether obviated by contriving so as to lead the Examiner right, which ever way he might happen to chuse in cases of ambiguity. At all events I shall follow your advice & leave out all Purdy's unconfirmed Europ. species. I was not aware that the ? lagopus of Mühl is the Fraxini & am much obliged to you for the notice. I should very much like to get it. Solomon Conrad to whom I gave a copy of my Table for his own use - would insist upon striking off copies in order to be communicated to Botanists - I have written to him, not to do so - at least not till it has been corrected. If you actually think it worth while inserting after correction & augmentation into your Annals I think it ought to be in that work, that the descriptions of my new Species should appear. You have not answered that part of one of my letters in which I propose sending you my great map of descriptions for use when you are about that family in your Flora, not only, but likewise my whole collection of Carices for comparing. If I should not mind its absence for two or three months. Such likewise would be my proposal about the Aecidia & Solidagines. I feel altogether incompetent to undertake anything like a monography of these - but should be glad to assist a better hand, by a view of my very numerous specimens - Write to me explicitly whether you wish me to do so - & I will put things into such a condition - that at a moment warning when you want them - the whole map may be sent to you.

You may easily judge how impatient I am to get Hooker's present - & to enter into the Correspondence he desires. Will you undertake to forward to him, what I wish to send holding me accountable for all expenses? I believe I can in a short time make up a very good number of Fungi - which he seems to desire.

This promised work of Greville makes me long still more for the package from you - which week after week fails to arrive. I do not blame you - because I know by my own experience how little time is left to a man of Business for these things - but I cant help telling you.

How much I desire to receive the little & the large things you promise!

Believe me yours most sincerely

Lewis D. Schweinitz

P. S. Please to deliver the enclosed to Mr. Halsey in those direction I have inadvertently rendered illegible by a careless opening of the seal of his last.

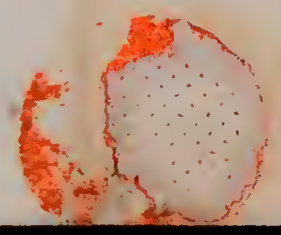
Bethlehem P
Nov 2

Paid

Paid 25

Dr John Torrey

New York.



J. D. Schweinitz
Nov 1, 1823.
Rec'd. Nov 7th

Bethlehem 27th Jan. 1822

My dear Sir

Knowing how much your time is occupied I by no means intend to complain that I have not heard from you (except by deeds of invaluable kindness – in the loan of your curious Carices) for so long a time. But I feel the necessity of improving the recovery of my health, which for weeks past has been such as to incapacitate me from any useful exertion, by indulging my mind with such occupations as are most likely to give it pleasure. And none can do so more than a correspondence with you. My last communication were in the same indirect mode with your last ones. In the box I sent to Mr Halsey I not only returned you the Carices so kindly sent, but attempted to shew you my gratitude for the favor by adding a small number of plants which I conceived might be agreeable to you. I confess I long to hear your remarks upon them. In the same package (besides a small one for Prof. Dewey) I sent you with a request to accept it as a token of friendship a copy at full length of my remarks on the American Carices – When you have had time to look it over – I should certainly feel desirous to hear your observations upon it & whether you conceive it in part proper to be communicated to the public. The latter part of last week I took the liberty to address to you a pretty large package for Dr Hooker Glasgow, containing Am. Fungi – but was then unable to accompany it with a letter. My request is that if you know a way how to forward it, to be kind enough to do so – if not, to let me know & to keep it by you, untill I am able to point out how it is to be sent. I delivered that package into the Edston stage office & directed it to the Care of Mr Halsey – because the stage driver is in the habit of delivering packets there. If you could find time to advise me of its arrival I should be very glad.

I do not doubt you are very busy in the prosecution of your great & valuable undertaking. How far will the next number bring us? I am much obliged to you for the rectification of my Table of Varices tho' I am sorry that it unfortunately is broken off in two numbers – which however cannot be of any consequence when the volume is bound together.

Be so kind as to take this letter as it is meant only as a friendly attempt to remind you of me & to assure you that I shall ever be most sincerely

Yours

Lewis D. Schweinitz

Bethlehem Pa Jan 27 Paid 12½ Paid

Dr. John Torrey

New York.

19.

J. P. Schneck

Jany. 27, 1854

Recd. Jany. 30.

Bethlehem March 3d 1824

My dearest Sir

I fear it is not, strictly speaking, that an apology is due for the interruption of our so delightful correspondence for no less than two of your favors (of the 15th & 27th ult.) are before me unanswered. They gave me the most lively pleasure I assure you — but so much the more I am grieved in being able to give you for the present so little satisfaction! Unexpected hinderances have ever since I completed my little Carex labors, such as I have taken the liberty to trouble you with — almost entirely prevented me from paying any attention to my botanical studies & still do so in a great measure. The first & worst was my indisposition, which but for an extraordinary exertion, threatened to immerse me in the most dreadful of all states complete Hypochondria — You can judge of what I was approaching when I inform you — that a resort to Botany, which had ever been a sure cure & relaxation to my mind — not only failed of its wonted efficacy — but that I even at times was upon the point of sacrificing it to the Demon that was assailing me, & felt something of that mental derangement, which I presume is the precursor of suicide under other circumstances, prompting me to destroy my collections — or at least to dispose of them out of my sight. I thank God that by the help of some good Drugs I was enabled to conquer it, am quite restored, to my senses as well as to my health. But I had not yet fully recovered when a press of the most urgent business came upon me, which altho it put me in a useful activity has utterly prevented me from taking up (except for a moment at a time) anything not in the absolute path of duty — nor am I yet entirely free — altho' I begin to perceive freedings.

Under such circumstances you will forgive if I am not yet able to satisfy all your requests. The package you announce in your last — has not yet arrived — I shall however take measures immediately to find out whether it is at Easton or not. Permit me just to go thro' your two favors & to remark, what I am at present able to remark. Do by all means, make exactly such alterations in names & barbarities of any kind which I have committed as you think proper. I have a most shameful habit of putting down names for what I consider new, without sufficient reflection & afterwards forget to alter them. I am sure I wish you may have put something less indianic for my Muehlenbergii — for if that should pass — who knows some future Botanist might think himself justified in calling a new Carex found by good luck near Chambersburg Pa. (as I myself found one there that may possibly

prove new) — Consequences to the utter dismay of all Europeans except the Chinese, who might probably punish us by even calling one "Tschermidiskowensis!!" Note "granularioides" meaning "like granularis" I gaffered myself to be led by Prof. Dewey — it is certainly wrong. With the greatest pleasure I would procure drawings of some of the species, you will kindly insert in the Flora, if I could flatter myself with anything like leisure — as it is Mr. Halsey will do me the greatest favor to attend to them. I rely implicitly on his accuracy & skill. I am delighted with the prospect of soon getting your published Number of the Flora — I hope however you consider me as a subscriber — as well as to the Annals — of which I very much long to see the number containing the rest of my table. The correspondence of Mr. Cooper will be highly acceptable to me — to nothing more important could he do more than to attach Synopsis — if he does so the loan & use of my collection shall be at his service.

I am greatly obliged to you for your remarks on the few grasses I sent to the Coll. — n. 2. I sent — the one with black scales? — that surely is no var. of nervata. I have since been convinced that my T. diandra is the natans 5 Cyn. Eleus? — I never saw the panicle, & cannot therefore know whether it be that. — You are certainly correct in believing my Dulich. canad. the same with D. spatiaceum. It is a variety however somewhat constant.

The history I have given of Chysosplenium's name ~~fact~~ is correct — but it is very probable that it is nothing but C. pseudocyper of Am. — not however the pseudocyp. of Germany. — 13. I confess I begin to doubt a little about my Carex cortata altho it is very constant — of a more varied I hardly think you would conceive the Machinery for very near Lagopod. if you had seen it grow. 16 — The greater part of my Gramineæ had 3 spines.

Among the plants you desire specifically I am sorry to say that Hydrangea vulgaris (common here) is the only one which I can furnish. Of Sedum telephioides — common on the mount. of Carol — I have but one specimen — it is very near Telesph. Erasticon hirsutum Mich. I think is certainly only C. vulgat. If possible I will to this letter a list of our rarer plants here — so that you can point out such as you would choose. It would be extremely acceptable to me to get some of the interesting Georgia Cryptogamics you allude to

As regards the queries in your last I am conscious of not being able to give you much satisfaction — as they chiefly regard matters that I have only superficially attended to —

The Arenaria canadensis — I have only seen in one specimen from you. The caulescent Oxalis — provoke me as much as yours — besides the stricta & corniculata — the one with large broad, the other with small leaves. It certainly very similar. I never have found one other frequency in Carol (not here) which I think very different among the rest the folia are invariably tinged velvet purple) but have not been able to reduce it to any of Elliott's. — The Cerast. longipedunculat of Muhl — by specimens from himself is most undoubtedly the glutinosum of Nuttall — concerning the tenuifol. of Torrey I have little doubt that it is the same with europeum — & American arvense. The latter perfectly the same with arvense — covers certain rocks on Delaware near Easton,

I have doubts myself whether the Viorn. verticillat. & L. hypoleuca are congeners (confessing however that I have rarely studied the generic differences of my plants) — but Viorn. I think it certainly is of the Eighteen foliaceia of Europe. Among my Plants of the Tine barren, N.C. I have one I call Euph. portulacoid — but I am not competent to say it is the Michlenbergian — mine is a distinct plant. The Talinum sedifol. — very common on rocks in Carol — is so distinct a plant that I never one recurred to the Generic examination — So to the Genus Premus is Crataegus — I have hitherto contented myself with collecting as many forms as I could get — but have never attempted a comparison of Synonyms — I find few Cratagi here — at Salem they were very abundant. These two genera I was in great hopes of bringing into order by your means. Sorbus microcarpa I am quite unacquainted with — as to the I think they are two species — the northern & southern Pyrus botryap. — I do not know which is that & which avalei. I rather however think our northern one is botryap:

I shall next myself to procure subscribers to the Annals & should have done so before this, if I had been acquainted with the terms.

Have you ever seen that most remarkable Neottia which Solomon Conrad found last year — the flower very much like cordata — but with four lobes at base & new

I wish Mr Nuttall would let one hear from him again — I find I must refer you to the margin of the manuscript I sent him for Betul. plants I have no means left to make out a list, untill I get that back — But even that is deficient & does not contain the Betul. plants further than Lyngen.

Hoping I shall soon receive your promised Packet I remain Yours affectionately

Lewis D. Shuweinitz

Paid 12½

Dr John Torrey

New York.

J. G. Cummings
Hamden Ma. 1824.
Recd Hamden 16th.

Heuchera pubescens. I think the species you describe is past all doubt the H. caulescens of Torrey – a most elegant plant with very large flowers & leaves on the stalk. I hope to be able to send you a specimen. It is very common in the Alleghany mts – I found it likewise near Smoke Harrisburg

Bern. March. 20th 1824

My dear Sir

Since I had the great pleasure to receive your last letter of Feb. 27th – which I answered immediately I have at length likewise received the valuable package you sent me – the contents of which were most acceptable indeed. I had begun to make some observations on the 2d number of your excellent work – which however have been quite curtailed by a press of duties – You will forgive me for sending them to you in their present crude state – considering some of them may however occasion you to point out what you would like to know more particularly. I have been delighted by your rapid progress, & begin to look forward eagerly for the next number. A few days ago I received the 3d No of the annals – & am sorry to see that you have not corrected all my barbarities. If we had had time to discuss the matter I should have preferred to have the Carex table printed not in the tabular form, which renders it necessary to put it in lengthy way & renders it to use somewhat inconvenient But in the main it will do well enough.

As regards the rest of the contents of the package I was much delighted & instructed by them – specially the American plants & those from Guadeloupe. I hope soon to be able to inform you of what I think the undetermined specimens are. As to the mosses from Georgia I think with few exceptions they are not distinct ones. My time is so much occupied just now, that I have not had leisure to submit them to any critical examination. I wish you had put up for me some of the Nepaul specimens from Dr Hooker – God knows when I shall ever receive anything from him – But do not deprive yourself. The fern you sent me – as a Woodsia is undoubtedly the typical obtusum of authors – my specimens

from Nisqually specimens — but I believe it is a Hadfia. Mr Conrad of Philad. gave some specimens under the same conviction.

I was unlucky that the moisture from the wet cover of the number of your Flora which is only damaged on the blue cover by dampness of no account; occasioned on the long journey of the package, that all the mosses & some of the Helenkia plants were covered by mucor in such a manner as friendly to injure some of them.

What can the matter be with our friend Mr Tuckey since I sent him my Lichens I have had no letter from him, the fear he is unwell.

I was much pleased with Mr Crombie's paper on the Ulotricheae. It is a matter of the utmost consequence to elucidate simple genera in that way & nothing I think could tend more to render the Annals as well as the Phil. Journal — important & useful, where its size admits only of giving revised the smaller genera.

Accept dear Sir the assurance of sincere respect & friendship from Yours affectionately

Lewis D. Schweinitz

Bethlehem Pa
Mar 28

Paid
Paid 25

Dr. John Torrey

New York.

via Portland.

J. B. Schweinitz
March 28th 1824
Rec. Mar. 31.

Enclosure with letter of 28 Nov 1837

I. Plants in Dr Torrey's Flora highly desireable

Scirpus planus
| pusillus.
- Agrostis compressa
| ferotina
| Aira caespitosa
| Poa fasciculata
Ceratochloa ciliolata
Diarrhena festucoides
| Avena pracox
- Aira articulata
Panicum pedunculatum
macrocarpon
E ——— involutum
rectum
longifolium.
Hierochloa alpina
| Galium lanceolatum.
Plantago maxima.
Exacum pulchellum
Swertia deflexa
Lithospermum denticulat
Lysimachia hybrida !!
Houstonia inflata !!
| Lobelia dortmanna
Lonicera flava
| Viola adunca
Evonymus obovatus.
Ribes hirtellum
| gracile.
Gonolobus obliquus.
| Atriplex laciniata.

Arlequinas nivea. found by me on the Allegany mts - is the only species which I have from the northern states not in your Flora, in the present number.

II. Remarks on No 2 of Dr Torrey's Flora

1. Digitaria ferotina This species is marked +. why? It grows not rarely here at Bethlehem & is very distinct from any of the others.

2. - Andropogon virginicum. Are you confident that this is the same with the A. dispitifer Elliott? I have two species one of which I call: A. virg - the other - dispitif. both from Carolina

3. - Androp. nutans The species which grows here plentifully - & which agrees well with avenaceus, is I think considerably different from the one I called nutans at Salem - perhaps a variety only. The Bersel. species differs at first sight by the dark brown color of the seeds - which in Carol. is always quite light.

4. ~~Lactuca racemulosa~~ - Prenanthes racemosa There is not the slightest doubt in my mind that this species is perfectly distinct from the former.

5. Galium tinctorium I believe with you that what we call tinctorium here is not distinct from trifidum. But the true tinctorium of the Mustkingi from which the Indians - according to all our missionaries make their red dye - is different.

6. G. boreale not rare at Hope New Jersey & Easton. What I have by the name of Bermud appears to belong to this

7. Sanguisorba media. I have found a species - exactly answering this, which appears ~~well~~ distinct enough - much smaller than canadensis in all its parts

8) Plantago media - my specimens from this vicinity is exactly like the Europ. P. media & quite distinct from major.

9) Have you seen the Exacum? - Pursh or Nuttall doubt its existence.

10. Potamogeton fluitans - of Europe is extremely different from natans but I have never met with it in Am.

11. Potamogeton pauciflorum this is common here - but it is surely not the P. graminineum of Germany, which again is a most common brook species in Carolina agreeing perfectly with the german one.

Trifolium. (Latifolium of Mx) – is a plant perfectly distinct from T. officinale – & common in the western woods – Barton's. I presume is not the true one

Lysimachia hybrida as I have it in Salem – is purely distinct from L. ciliata – Why do you consider that & heterophylla (of which I am ignorant) the same? The name seems to require quite a different plant.

Verbascum blattaria. I am very free that I possess but one specimen – found by myself in Surrey County N.C. of V. Claytoni – It is as distinct & beautiful a species as can be imagined –

Ipomoea purpurea & Nil also these are probably not indigenous here – there can be no doubt of their being fr. southwards –

Convolvulus spithamea. & tomentosus

I fancy there must be a great confusion as regards this & the next. Spithamea, common in Ind, I have not observed here ~~tomen~~ & there it is never hairy nor pubescent –

& C. tomentosus is absolutely tomentosely velvet & hairy. I therefore doubt whether it is Gray – It was found by me on the tops of the Allegany mount. in quantities.

Impatiens I am astonished to read your remarks concerning the similarity of pallida & fulva – the what I distinguish as each – are altogether different – Both grow here – The flower of pallida is double the size of fulva.

Ceanothus. The common species in Carolina – is utterly devoid of pubescence excepting sparingly on the ribs – but it is not altogether herbaceous. – the stems do not die more than half down.

Campanula americana & aciminata – as distinguished by me the former only in Carolina – the latter here & Ohio – are certainly two very good species – The leaves of the latter are very much thicker than those of the first remarkably thin –

Viola clandestina. I have found part flowering in great quantity above the coal mine Lehigh – but I confess – that since I have studied the V. blanda in nature here at Bethl. I begin to believe that they are not distinct especially since I have had an opportunity to occur to my deceased friend Leinhauer drawing & find I was mistaken as to this having represented the chocolate colored petals. I think it is a very happy thought of yours to refer the expression of Torr. to the fruit.

V. eriocarpa Lec. Since I am in the habit of finding V. pubescens with & without woolly capsules here (it was not met with at Salem) I am more determined in my opinion that my eriocarpa is a different species.

Bath. July 6th 1824

My dear Sir

It will occasionally happen that even a correspondence so agreeable & interesting in its nature as the one I am happy enough to enjoy with you, becomes subject to interruptions. The only remedy is to resume as soon as possible. Yours of the 26th May reached me some time in the middle of June & gave me the utmost pleasure – as a retention of the kind on your part which I sincerely felt the imperious duty of reciprocating, more sincerely as I have none of those excuses to make, which you urge upon me with irresistable force for when a Lady's in the case – of course all other things give place – but alas see here I have again neglected, what in itself gives me such pleasure. Nevertheless I regret it is not too late to express my sincere congratulations upon your Conversion from celibacy, in which besides my very unfeigned share in your happiness, I am not without interested motives. For I hold it a matter of course that every Lady, above all a married one, must necessarily become a promoter of the worship of Flora preferably to that of the author of Dust and Dirt, that enemy of all neatness and cleanliness in the house whom mineralogists delight to honor. My disappointment ~~was severe~~ & vexation was at least equal to yours, when I found by your kind letter how near you were to me at Philadelphia, but it is surpassed by my anger at Mr Collins who might have told me, as I had a long conversation with him about my desire of seeing you, which had almost prompted me to return home by way of Newport at that time. I am now glad I did not, for that would have been worse still had I missed you there. I am now without hopes, unless the yellow fever keeps out of the way to be able to effect a visit some time in the fall. Your kind interest in my health gave me intire satisfaction, I thank God I have not now to complain & would have been active this year to a much greater degree than has been the case in Botany if my official duties had not been unusually pressing. I however contrived to that journey

also the mountains between Tenn & the Longuehanah in Mass, which has not been quite unmeddlesome
I should have been glad to receive the list of Carices you want me to give drawings of before this — for it will now be too late, as within a fortnight I shall have a week or two to make an active search in our botanical pursuits, an account of business.
I have very carefully revised the Carices this begun — but have no other correction to make of consequence, except regretting you by all means to finish out the whole of the Description of my supposed new Species Carex hyperborea — for I have found it in great plenty this year growing in such a manner as to leave no doubt that it is only a variety of C. Jamesii
All the rest of my species I have found confirmed, & met with a number of new ones, besides finding a number here from the mountains, which I had before only met with in North Carolina. — I am obliged to you for your answer concerning the Nabalus. — I shall attend to collection for your Dispensatory. I have now observed the P. Clandestina in plenty in the Beechwoods by the bye I only just thro a small corner of them, & conceive they must be very fertile in interesting plants more especially Polypodium &c &c, and quite certain it is only a variety of Clanoc.
You must have misstaken my remark concerning your 2d Vol of the Flora — that is not at all damaged. Yet I am extremely desirous of having the 3d number. If you could immediately on receiving this hand it to our Editor Rev Benj Martinus Tucker Street, to double binding & receive if you could add the small package of Carpels of which you speak — ~~their~~ treble — if there were some American pheasants additions from the Western Coast or West I should probably receive it soon as he is coming here in the course of the week ending the 25th. When he returns I hope to forward to you a considerable packet long near 1000 Phaenos & Exp. con Prof. Hooker — so adieu I believe I have nothing more to add to trouble — Be assured that I shall always desire you to read any communication Prof Hooker may make to me — so there is no need of sending your opinion his letter
I wish I could see as you Ed — that since my last

I have received a good number of new Students — I do expect many — but I have not a very few only — I begin to think my Dear Sir we are obliged to the Lions for there are a great many more Lovers going and than ever. This however I beg you not to apply to yourself — for there is a good hint that by your Introduces the Insular is that it is not advisable to get more after one has got a certain quantity.

The news of Mr Nuttall relevant. It is rather a dangerous experiment to get a large fortune as Silver he has — it is even more so than Mineralogy.

You will greatly oblige me my dear Sir if you let me hear from you if possible by Mr Mortimer. Be forgot as he refuses my Portrait as to Mr Hatton in the hope that I shall I believe.

I remain, Dear Sir, Yours most cordially

Lewis Schwee

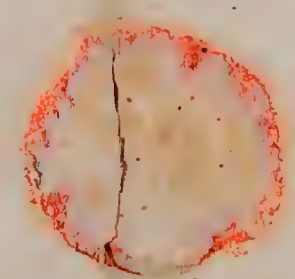
Dear Sir, Since that you made it with frequently followed Benedict's example I beg leave to inform you, that it is almost as indispensable piece of fashion, as make the tour of Berlin (to which I shall bring it upon place) for to all a newly married gentleman & his lady. As will not that you will willingly to follow the good fashion at least as far as Bethlehem where I hope to give you cogent reasons for stay. That unfashionable nonsense of yours of widows I have therefore told you, merely rattering me with elegant insinuations as whether calling upon me — in order to convince me of the probability that some fruits of grapes — in the clear conviction of force — according to his classification, of grapes to occasionally growing up without flee to root — from mere chemical composition of their component parts, of which, it appears he considers marble a principal one

Bethlehem 6th Aug

1 Ps
1.2.2

Dr John Torrey

New York



J. D. Schweinitz
July 6th, 1824

Recd July 12th –

Quick Mail 11

Bethlehem Sept. 13th 1824

Dear Sir

I have succeeded in persuading myself that the circumstance of my not receiving an answer to my long last letter of a forgotten date was owing to your absence of years from home. I sincerely hope that my not receiving advice from you of the safe arrival of a very large Packet for Dr Hooker at Glasgow which I forwarded to you by my friend Rev. Benj Mortimer of Newyork is owing to the same circumstance as I should be very sorry indeed to learn that anything untoward should have happened to that package.

The object of my present letter, under the hypothesis that you may now probably have returned from the supposed Journey is to beg leave to introduce to your acquaintance my highly respected Friend, Bishop Kieffel of our Church whom you will find among other estimable qualities imbued with the most lively Interest & profound knowledge of almost every part of the Natural Sciences especially Mineralogy & Botany. I am sure it will give you pleasure to see him & he very warmly desires to become acquainted with you.

As I really burn with impatience to see your third number of the Flora I beg earnestly you may be so good as to send it hither by Bishop Kieffel who will return towards the end of the month — & if you can add any thing in my line from your collection you will highly oblige me. As I have not a moment to spare (4 weeks sickness has greatly augmented my business & deprived me of the time I desired to devote to Botany) I only add that I am as ever Yours most sincerely

Lewis D. Schweinitz

Dr John Torrey

New York.

Favor of
R. Rev Bishop Hughes

35

Bethlehem Dec 5th 1824

My dear Sir

Really your favor of 11th ult came in good time to save me from sincere concern on account of the loss I began to apprehend that I & your friends had suffered by your absolutely vanishing out of all record. It has given me proportionate joy to find, that you have only vanished to rise in glory at Westpoint & I the more sincerely congratulate you upon that situation since I learn by your kind letter that there are hopes that your new duties will not deprive Botany altogether of your important services — nay that there is a prospect that your benediction will be the means of aiding you in your good botanical intentions towards me. If you will however take the advice of an experienced man of matrimony, you will do well to do, what you mean to do together in that line as soon as possible, for fear of interruptions incidental to your new situation after a certain number of moons.

I have neither received the letter you allude to from Professor Hooker, nor the package you kindly forwarded to Mr Mortimer — nor your third number of the Flora all which I am most sincerely desirous to receive. There is one thing which I regret very much that by your removal from Middlebury it will be possible that I shall lose the pleasure of seeing you on my journey to that place in spring. I shall at farthest — by the 1st April have to embark there for Europe hoping to return before the close of the year. This circumstance will cause me to lose one whole year in my botanical studies, but will I hope enable me to aggument my means considerably altho my journey being of an official kind will not leave me much time for scientific purposes. If I however can be of any service to you with your friends in Germany (my stay in Engld & France will be very short) I shall be at

your orders. It will give me very sincere pleasure to hear from you shortly — Excuse my insignificant letter — by the multiplicity of the business on my hands to believe me

Yours most sincerely

Lewis D. Schweinitz

Bethlehem January 16th 1825

My dear Sir

Your obliging favor of the 7th instant came safely to hand & afforded me the most lively pleasure as I had begun to despair whether mine had reached you — or to doubt whether my old Carolina friend Macon's pennyworth of savings policy displayed contra Westpoint might not have the effect of bringing me into disgrace with you, under a suspicion of being one of the conspiracy. I assure you however I am not of their council, altho' I very seriously object to the furious method of a semiannual consumption of a whole month in examinations, which deprive you of all scientific leisure unless these examinations be followed as I hope they are by an adequate resting time of another month.

With great pleasure I acknowledge the receipt of the two packages from Hooker & Greville & of the 3 Nos of your Flora per Mr Mortimer, on the last day of the year. I have made a shift carefully to study thro the latter & am highly pleased with it. A few species only that I possess from the regions you embrace are omitted & a number of very judicious reductions have taken place. My time forbids my entering into remarks at length, which would require a longer study than I am, standing on the wing as I do, able to devote to it just now.

I assure you that the hope you hold out that I shall have the pleasure of seeing you at Newburgh before I leave America goes a great way in reconciling me to the deplorable hurry in which I am under the necessity of making my intended Journey outward bound. I have just given an outline of the circumstances which embarass me to our friend Mr Halsey (to whom I have written according to your direction) but you being an old & experienced Husband by this time will be better able to appreciate them. The purpose (viz that which my duty imposes) of my whole journey, makes it indis-

possible that I should be at Herrnhut in Upper Lusatia, Saxony by the 30th day of May next, while certain events, in themselves highly desireable, but most unfortunately ill timed, to be expected in my family will forbid my leaving home earlier than to allow me to arrive at Newyork 2 or three days before the 1st April on which day it is evidently necessary for me to embark if I wish to have any reasonable hope left of reaching my place of destination in time. You see, my dear Sir, that under such circumstances all my hopes of having the pleasure of seeing you, which next to the safe arrival of a little girl in my house, I most ardently desire of all things, will depend on the possibility of your calling for me at Mr Mortimers on one of the two or three days before the 1st of April — if I succeed in this hope, I shall take it as an omen faustissimum that I shall be further able to propitiate the Sea & Wind Gods & the tremendous host of Infernals usually styled Postmasters in Germany in such a manner as to complete my Journey in time & to have an odd week for seeing more of Paris (where I have never been) than can be seen thro the coach windows of a Diligence. You will however be able to judge from the above how little time I can in the best event devote, outward bound, to science &c. — & that Linnaeus, Decandolle, Persoon & all the semi & demigods of Botany holding council ten miles out of my direct route, could hardly justify a deviation of that length. Nevertheless if I can take charge of anything for you, which does not absolutely require personal delivery, it will give me the most

sensible pleasure.

I have proposed to Mr Halsey – as I have not a moment time now to devote to Botany – I dont know whether you are aware that notwithstanding my want of abilities & qualifications I am clothed with some 15 or 20 different official capacities, all of which require some management when about to be suspended for 9 months) tho' without much hope that it will be of material use as regards the proposed publication of my Carices, on account of the lateness of the Idea, to bring with me to New York my whole collection of Carices European & American for his & your use during my absence. It would at least enable you to become accurately acquainted with the whole – & I would have no objection to your keeping anything you like, where your own discretion would shew that enough was left me – altho' I should like it best, if you would in that case adopt the Jewish maxim of tooth for tooth & Carex for Carex. Let me know, my dear Sir, whether my proposal would meet your approbation.

Concerning our purpose of a Saint Crypt Flora, [illegible] aspire you I am ready, & shall be after my ret[illegible] instantly to commence operations, & one main re[illegible] why I wish to see you personally is to chalk out some feasible plan. The Fungi are the only department I feel anything like competency for. But dont forget that my sum of American one is already 2000 sp. (more than one half of the whole I dont believe this to be) & that it will be necessary to develope to the American public, the absolutely miraculous concatenation of progressions which they display. To judge by the effect which my own insight into this wonderful system of nature has had upon me, my only fear is, that when once displayed before the eyes of the American people, its attractions & fascinations will prove so great, as to become detrimental to the commercial prosperity of your Monster of a city, by turning the attention of all from the Candles & Banks towards the Fungi. I entirely agree with you – as regards Long fed Dawney, except in the value you by way of compliment, see proper to give my attempt to skim some little fat from a truly lean Herbarium. There is almost as much garrulity in the book, as in this letter & not much more matter. However what could

be expected from so furious a ride thro the woods & Mr Lay certainly deserves praise for the pains he took to save what could be picked up on a gallop. It grieves me very much that I have not one duplicate to share of the whole list you mention. But if it is only your wish to see specimens & examine I will select such as I have from my Herbar. & bring them with me leaving them in your hands on Interest till my return. Inform me whether this will answer.

I am with sincere affect Yours L. D. Schweinitz

Dr John Torrey
Professor of Mineralogy &c
West Point
State of New York.

Paid 19½

L. D. Schweinitz
Lany, Oct 25.
Rec'd Lany 31, 1

25

28
a.

Bedfd. Nov. 24th 1826

My dear Sir

Altho a correspondence to me so extremely valuable & delightful as that which I enjoy with you, has been interrupted by circumstances beyond my control for a very long time — I flatter myself that there can be no other obstacle to its renewal with you, than that which caused its interruption on my part — viz such a press of duties imperiously claiming the first attention — as deprived me of the necessary leisure. Not indeed, that I could not have found a moment for inditing a few friendly lines — but really, I have been so unremittingly occupied since my return from Europe, that I have till within a few weeks been almost totally unable to attend to my favorite scientific pursuit — from which it was necessary to draw funds, in order to give any kind of value to letters, which would otherwise have been an absolute intrusion upon your no less valuable avocations. But I fear — this for it admits of no excuse — but an appeal to your generosity, — that I have not even expressed to you my warmest acknowledgements for the completion of your labors on my raw material of Carices — which has conferred undeserved honor on me — but humbly at the same time made my materials of some value to Botany. Upon two or three species I think heretofore regretted your reasons for sinking them out — I have since when studying the book (for as to studying this year in that of nature during the season of the Carices I was utterly unable to do anything) thought that I discovered them — especially as regards my Carex vitiormarginata — I have very presumed that the very distinct species so called by me — is the one you acknowledge as C. marginata — & my marginata identical with vestita — which probably is the truth.

In the occasional moments of leisure which I have had — I have begun for your perusal a rather extensive

comentary upon your excellent Flora (I hope nothing has intervened to prevent your putting forth the second part shortly — which I most abundantly expect) giving you a full & explicit account of every thing in the northern states which I have met with, in any degree not apparently noticed in your Flora — & adding as full an account of my southern observations — not answering in other books — but my progress has been so greatly interrupted that I have not yet made sufficient advances to render it worth while to forward it to you. This winter I hope to be able to do something that way.

My European Lichenary & several important accessions independent Orders of have greatly increased my Europ. Collect of Plants. But a most deplorable stop of any increase of American specimens has taken place. Do pray inform me, whether I can hope to procure some of my desiderata & two your wonted kindness without encroaching too much on your time — & whether our friend Mr Halsey still prefers his botanical zeal — or is in danger of falling into the snares of mineralogy (I cry mercy to the professor of that honorable science for my impertinence).

I should besides be extremely glad to get a number of specimens of certain New England Carices for exchange.

I hope, my dear Sir, that these lines will ellicit from you some sign & token of your still taking

some interest in me by letting me know after long an interruption whether it is in your power to permit these presents to effect a recommencement of our correspondence — for which I feel a very great longing since I have got over the extreme mountain of business which had accumulated & been raised by my journey.

Pray have you heard anything concerning our friend Le Conte. Since I saw in the public papers an announcation of the death of his amiable wife — I have not been able to learn where he is.

Accept of the assurance of my warmest & sincerest friendship & esteem with which I remain

Yours affectionately

Lewis D. Scheimitz

P.S. A few weeks ago I received a package of Musci thro' your care — apparently from Mr Grieville. At the same time 2 packages addressed to me, were lost on the road from Philadelphia — which after a great deal of trouble & expence were finally brought to light & proved to be Fungi from Dr Fries at Lund, together with his new System, both packages containing the same books & fungi — & both accompanied with a latin epistle the one to his old correspondent & amicus delectissimus the other to the Vir doctissime. of the same name & place of abode, whom he conceives a different person. Unfortunately this double star — is the one of small magnitude known to you as your friend L D S.

L. D. S.
Bunny

Bethlehem Pa
Nov. 21

Paid 12½

Dr John Torrey
Professor of Mineralogy &c.
West Point
State of New York

26

J. B. Schuyler
Act. 21 1826
Rec'd Nov 25
Ans'd
Dec. 12th

List

of North American Plants, described in recent authors, specimens of which are wanting in the Collection of

L. D. Schweinitz

+ Galicornia mucronata Bigelow
Maranta arundinacea. Flor. Ware
Canna angustifolia Georg. Pursh
+ Butom maritimum Torrey Nysh.
? — chenopodioides Nutt. Hispaur.
? Innes americana
Veronica serriformis Pursh
Micranthemum emarginat. Ell
Gratiola micrantha Flor. W.
Utricularia fibrosa Ell
— bipartita Ell
Hedioma hirta T. Hispaur
+ Lycopus obtusifol. T. Canada
Salvia trichostemoides T.
— obovata Ell
Collinsonia tuberosa T & E
— scabra
— punctata } T & E
— verticillata
— anisata
Phyllactis obovata Nutt
Calymenia albida
— hirsuta
— angustifol } Nutt
— decumbens
Leptantnus ovales Pursh. West.
Xyris juncea Ell
? Schoenus setaceus.
— nigriduleus.
Dichromena ciliata T.
— latifolia Ell
Rhynchospora ciliaris T.
Fimbrystylis cylindric T.
Scirpus glaniculatus Ell
— quadrangulatus —
— Schoenoides. Ell
Cyperus articulatus. T & Ell
— filicinus. T.
— tetragonus Ell
Nigria gigantea L.
Eriocaula cuspidata Nut.
Leersia lenticularis Ell.
Sullascanthus rufus Ell.
Agrostis trichopodes Ell
+ — compressa Torrey
— brevifolia Nutt
+ — ferotina Torrey
+ — clandestina Tor.
Setaria purpurea (Pennicrai) Ell.
— corrugata Ell
Panicum molle Ell
— gymnocarpon Ell.
— divergens Ell
+ — involutum Torr
+ — pedunculatum —
+ — longifolium —
+ — depauperatum —
Paspalum purpurascens Ell
— vaginatum. Ell
Andropogon lanosa Ell
— patens.
— tuberculosa Nutt
+ Stipa canadensis. T. Canad
— expansa Carol Beck
— stricta Carol T.
— parviflora Nutt
Saccharum contortum Ell
Andropogon bicorne T.
— ultrastachyum Ell
Uralepis purpurea Nut Ell
— bipinata Ell suppl
+ Holcus striatus Canada
+ — alpinus Tor Hierochloe Beige
Sesleria dactyloides Nutt

Poa ambigua Ell.
— subverticillata T.
— airoides Nut
— angustata Torr. Hook
— abbreviata Trinkly W.
Festuca spicata Pursh
+ — poaloides - St Lawrence
+ Ceratochloa uniolaides Tor
+ Diarrhena diandra Tor
Cholleria nitida Nut
— paniculata —
+ Avena striata Canad
— parviflora (Hierock) Trinkly.
Leptorus paniculatus Nut
Rottboellia ciliata
— recurva } Nut
— paniculata
Aegilops hystrix Nut
Elymus mollis Trinkl.
Galium hispidum Ell
+ — obtusum Bigelow
Spermacoce glabra T.
— involucrata T.
Diodia tetragona T.
+ Houstonia pubescens Tor
Elaagnus argentea N.
Ludwigia virgata T.
— alata Ell
— alata —
— cylindrica —
— macrocarpa —
— lanceolata —
Bonus asperifol —
Mantago caroliniana T.
— graphalodes N.
— aristata - pauciff.
— glabra N.
+ Exacum pulchellum.
? Swertia tortigiata Nt
Campmorosma glabra —
Myginda myrtifol
Gesc angustifol T.
+ Tillaea ~~prostrata~~ simplex
Mycolus glomerata Nt.
Cyclogopsum pilosum N.
+ Pulmonaria denticulata Tor
+ — sibirica Conad T.
Phacelia heterophylla T.
Hydrophyllum lineare T.
Ellisia ambigua N.
+ Hottonia inflata.
+ Lutoca Franklini Frankl
+ Androface elongata —
+ Primula egalicens —
+ — normaniana —
Convolvulus aquatic. Lour
— paradoxus T.
— macrorhizus T.
Ipomaea discolia T.
— coccolina T.
— orbicularis Ell
— bona nox T.
— ciliosa T.
Ipomeria aggregata T.
— inconspicua T.
Phlox nivalis T Ell
— cordata T.
— speciosa T.
Collomia linearis Nt
+ Xylosteum involucrat. Frkl.
Scanum marmorum T.
— virginianum T.
— trifolium Nutt
Hydrocera lobata N.
Nicotiana quadrivalvis Nutt.
Sabbatia brachiata Ell
— gentianoides.

+ Azalea nicola Ell
— canescens Ell
Rhododendron lanuginosa N
— angustifolia
— chrysophyllum N
— reclinata T.
Kalmia viscosissimum T
— sanguineum
— recurvum
+ — gracile Tor
Nilis palmata T.
+ Viola acuta. Bigel. Tor
Viburnum alnifol. Hispaur N.
— minuliflorus
Ceanothus sanguineus Nut
— ferrugifol. Nutt
+ Euonymus obovatus
— angustifolius
Paronychia dichotoma
— fastigiata
Claytonia lanceolata
Gonolobus viridiflor.
Amanchum procostratum
Anyonia angustifolia
Hilepias convivens Ell
— angustifolia —
— lanuginosa —
Amantaria viridis Ell
+ Gentiana propinqua Frkl
Convolvulus sumpulus Nut.
— argentus
Dogmyium fœtidum
— gracile Flor Ware
+ Houstonia richardsonia Frkl
Peucedanum silerinat
Ferula ailiosa
— foeniculacea N?
— medicaule N?
Trapsia glomerata N
Sison prefillum
Cedinfil divaricum N
— cerosphylla N
Fefli dilternatum N
+ Thaspium acuminatum T
Atriplex canescens (Calliq)
— argentea N.
Chenopodium subfricat N
Bonus viridiflor.
Linum rigidum N
Drosera brevifolia T. Gray
Tillandsia recurvata
— polystachia
— tenuifolia
— monostachya
Pontederia lancifol. Nut Ell
+ Diphylleia cymosa T. Ell
Mahonia aquifolia T
— nervosa T
Prinos atomarius. N.
Pancratium rotatum
+ Allium triflorum T & N?
Brodiaea grandiflora T
Yucca filifolia. Ell
Yucca angustifolia
— recurvifolia
— gloriosa
— aloides
Phalangium crocum T N
Lilium Catesbaei
— pudicum
+ + — pensylvanicum
— umbellat - andin
Fritillaria lanceolata N
— alba N
Hurelaria puberula Ell
Polygonatum biflorum
Isthaeis melanocarpus
Chamaerops serrulata
— hystrix
Nolina georgiana
Calochortus elegans.

+ Melanthium glaucum Tor. Nag.
— parviflorum
Zigadenus elegans. Ell
+ — chloranthus Frankl.
Helonias dubia Gr.
— graminea N. Ell
— tenax Ph.
Tofieldia glabra Nut
+ — pusilla Lam. Mistas.
+ — coccinea Frankl
Triglochin triandrum Ell
Rumex verticillatus T.
— crispatulus
— venosus Nutt
— divaricatus Ell
— hastatulus Ell.
Trillium ovatum T.
— pumilum Ell
— Catesbaei Ell
Rhexia serrulata Ell
— stricta T.
Oenothera albicaulis Psh
— pinnatifida N.
— riparia. N. Carol
— alata.
Clarkia pulchella
Epilobium luteum
Oxycoccus erectus. Ell T.
Menziesia ferruginea
— globularis
— empetrifol
Acer macrophyll T.
— circinatum T.
Amyris floridana
Polygonum parviflo Nutt
— setaceum Ell
Brunnichia cirrhosa
Elliottia racemosa
Laurus Catesbyana
Eriogonum flavum } N
— parviflorum
— parvifol.
— latifol
Itea tenuifolia
Arbutus laurifol } NW.
— menziesii
— tomentosa } Col. T.
Gaultheria shallon
Vaccinium crassifol
— ovatum NW
+ — canadense Frkl.
Andromeda rigida T.
— acuminata T.
— rhombifolia Ell
Kalmia cuneata T.
Clethra tomentosa
— scabra
— paniculata
Jussiaea acaulis
— leptocarpa
Cassia ligustrina T.
— linearis T.
— aspera Ell.
Sophora sericea N.
Thermopsis rhombifol T.
Virgilia lutea T.
Saxifraga serpyllifol NW.
— bronchialis
— setigera
— sibirica Linn.
— pectinata NW
— foliolosa Frkl
Tiarella menziesii NW
— trifoliata
— biternata
+ Mitella prostrata
— grandiflora
Silene regia Nutt Ohio
— fimbriata Ell
— ovata Ell
— Baldwini Nutt
Micropetalum lanuginosum } NW.
Cerastium elongatum
Sedum stenopetalum
Spergula decumbens Ell

Cactus mamillaris
— viviparus
— setosa
— fragile
Bartonia ornata
— nuda
Mentzelia aurea
Decumaria barbara
Philadelphus Lewisii T.
— hirsutus Nutt
Prunus carolinianus Ell
+ — semperflorens T.
+ — maritima T. Torr
+ — pubescens hirsuta Schwein.
+ — mollis Torr
Tigarea tridentat T.
+ Agrimonia striata Canad
Crataegus glandulosa T.
— turbinata
— caroliniana
Aronia alnifolia Nutt
Spiraea capitata } T.
— discolor
— chamaedrifol
+ Rosa blanda Canada
— Lyoni Tenness
— setigera Ell
Rubus spectabilis T.
+ — parviflorus
— pedatus NW
— stellatus NW
Dalibarda lobata Ell
+ Geum agrimonoides T.
— ciliatum
— radiatum Ell
o+ — Peckii Ph. N.
— anemonoides
— triflorum N
Potentilla villosa NW
— humifusa Nutt
+ — confertiflora Torr
— biflora Frkl
— arguta —
— pulchella
+ Fragaria canadensis
Calycanthus inodorus
Stylophorum diphyll.
Sarracenia Catesbaei
Lewisia rediviva
+ Hypericum pyramidat Can
— aspalathoides Ell
— acutifolium Ell
— fastigiatum —
— amoenum —
Elodea tubulosa
Illicium floridan
Clematis cordata
— holosericea
— Catesbyana
— linearifolia Ell
— Walteri Ell
Anemone ludoviciana N.
+ — hudsoniana Frkl.
+ — borealis —
Thalictrum ranunculoid
+ Caltha natans Frkl
+ Ranunculus septentrional T.
+ — arcticus Frkl
+ — sulphureus Frkl
— palmatus Ell
Cyamus pentapetal T.
— reniformis
Lamium hispidulum Torr
Pycnanthemum rubrum Nutt
Dracocephalum obovat. Ell
— cordatum Nutt
— parviflorum N.
Scutellaria angustifol T.
— villosa Ell
Calamintha caroliniana Nutt
Verbena diffusa T.
— stricta T.
Avicennia florid. Fl Ware
Capraria biflora Fla W.
— multifida Ohio T.

Herpestes micrantha T.
Ruellia hirsuta Ell
Gerardia linifolia Nutt
— filifolia Fl
— cuneifolia T.
— fruticosa T.
— Plukenetii Ell
— fasciculata Ell
+ Pedicularis macrodonta Frkl
Mimulus Lewisii
Chelone Lyoni Ell
Penstemon dissectum Ell
— gracile N
— cristatum N
— frutescens T.
— triantherum N
— coeruleum N
— albidum N
— grandiflorum N
Buchnera grandiflora
Bartsia acuminata } NW
— gymnandra
Orthocarpus luteus N
Orobanche ludoviciana N
— fasciculata
+ Draba (Braya) glabella Frkl
Alyssum ludovicianum Nutt
+ — hyperboreum T.
+ Cochlearia purpurascens Frkl
+ — dubium Frkl
Draba pauciflora Parry
— lapponica —
— muricella Frkl
+ Thlaspi tuberosum Ware
Vesicaria arenosa Parry
Dentaria tenella
+ — maxima Pursh
Cardamine uniflora T.
— articulata NW
— multifida Flor T.
— digitata Frkl
Barbarea praecox Frkl
Sisymbrium brachycarp Frkl
— Walteri Ell
Cheiranthus Pallasii Nutt
— asper Nutt
+ Arabis reptans T. Torr
Stanleya pinnatifida Nutt
Cleome cuneifol. Ell
— serrulata Nutt
+ Lobelia paludosa
Passiflora peltata T.
— Warei Flor
Philoxerus vermicularis
Achyranthes repens
Pistia spathulata
Viola gracilis Ell
— hispida —
— caespit. T.
Malva abutiloides T.
— triloba T.
— coccinea T.
Hibiscus incanus T.
— virginicus T.
— carolinian T. Ell.
— esculentus T.
Gordonia lasianthus
Amorpha nana Nutt
— canescens N.
Erythrina herbacea
Lupinus nootkaensis
— sericeus T.
— argenteus T.
— pusillus T.
— diffusus Nutt
Orobus dispar N.
— longifolius N.
Lathyrus polymorpha
— pusillus Ell
Psoralea caespitosa Nutt
— floridana
Oxytropis Lamberti Pursh
— oxyphylla Psh
— deflexa Frkl

+ Astragalus secundus Pursh
— mispodium } Nutt.
— laxmanni
— carnosus
— galegiformis
— gracilis
— lotiflorus Ell
— melanocarpus Pursh
— aboriginorum —
— succulentus —
— decandatus Ell
Dalea alopecuroides
— aurea } Nutt.
— laxiflora
— parviflora
Psoralea cuspidata Pursh
— argophylla
— eglandulosa Ell
— multiflora Ell
Trifolium microcephalum
— involucratum
— megacephalum
Glycirrhiza lepidota
+ Hedysarum fruticosum
— mackenzii Pursh
Lebberia platycarpa
— macrocarpa
Dolichos luteolus Ell
Glycine mollis Ell
Clitoria Mariana
Medicago intertexta Gmel
Prenanthes juncea Gmel
— illinoensis
— cynthia
+ Lactuca integrifol. Bigel.
+ Sonchus macrophyllus Willd
+ Hieracium pilosella Lam
+ — macrophyllum Lam
Prenanthes glaucum } Nutt.
— marginatum
Apogon humile Ell
Stokesia cyanea Pursh
+ Cnicus undulatus Hooker
Liatris pycnostachya
— resinosa N. Ell
— gracilis Ell
— pauciflora Pursh
— corymbosa Pursh Ell
Vernonia angustifol.
Mikania scandens Ell.
Eupatorium falcatum Pursh
— purpurascens Ell
Chrysocoma graveolens Nutt
— nauseosa N.
+ — virgata Darley
Cacalia ovata Ell
— lanceolata —
— tuberosa Nutt
Hieracium venosum
Polypteris integrifol Ell N.
Santolina fragrans N.
+ Tanacetum huronense N.
Artemisia tenuifolia } Nutt.
— serrata
— columbiana
— gnaphalodes
— ludoviciana
— cernua
— pontica Pursh
— biennis
Conyza bifrons Ell
— sinuata Ell
Erigeron pumilum Pursh
— asperum } Nutt.
— glabellum
— compositum Pursh
— tenuifolium Pursh
Inula trichophylla Nutt
— villosa Nutt
— dioscorea N.
— pinifolia N.
— dentata
Donia squarrosa
Anacyclus marilandicus

Aster. linariifolius alba } N. Ell
— — obovata
— cordifolius Ell
— pauciflorus } Nutt
— biennis
+ — Radula Pursh
— ocellatus Ell
— vimineus Ell
— salicifolius —
— dichromus —
+ — scabrus Pursh
+ — falcatus —
— puniceus Pursh
— gracilis Nutt
+ — blandus Pursh
Solidago cortifolia Ell
— corymbosa
— pubescens
— pauciflosculosa
— angustifolia
Senecio cymbalaria Willd
— integerrimus N.
— degens. Pursh
Bachera glandulosa
Trichogyne lanatum
— oppositifolia
Boltonia glastifolia Ell
Harkenia pinnata
Sigesbeckia laciniata
— prostrata
Acmella repens Sl. P.
— occidentalis N.
Buphthalmum sagittatum
Helenium canaliculatum
Actinella acaulis
Baldwinia uniflora
Helianthus tuberosus Pursh
— laetiflorus
— parviflorus Ell
— hispidulus Ell
— tenuifolius Ell
— tricephalus —
— aristatus —
— pauciflorus N.
— prostratus Pursh
Rudbeckia subtomentosa
— gracilis
Coreopsis arguta Pursh
— latifolia
+ — rosea Darley
— Tenuiseta Ell
— mutica —
— aristata Pursh
— pubescens Ell
— rudata Nutt
Silphium pinnatifid
— dentatum
— elatum
— reticulatum
Iva ciliata
— xanthifolia
— axillaris
+ Ambrosia heterophylla Pursh
— tomentosa N.
+ Xanthium orientale
+ Cnicus huronensis Nutt
— bidentatus Ell
Gnaphalium arenarium Ell
Liatera pubescens Pursh
Bluia decumbens
+ Calypso americana Lam
Aristolochia tomentosa
Tragia macrocarpa
Urtica chamaedrioides Pursh
— gracilis
Pellandra coccinea
+ Zizania fluitans
Myriophyllum heterophyll
+ Sagittaria natans Pursh
Castanea alnifolia Ell
+ Betula occulta Lam

Quercus pumila
— virens
— maritima
— myrtifolia
— aquifolia
— Catesbaei
Carya microcarpa
— myristicaeformis
Acer quinatum
Pinus resinosa
Croton capitatum
— ellipticum
Stillingia sebifera
Euphorbia pubentissima
— pilosa

+ Salix vestita Pursh
+ — planifolia
+ Fraxinus quadrangulata
— platycarpa
— tricuspis Nutt
Borrya scoparia Ell
— acuminata —
— distichophylla —
Nyssa candicans
— tomentosa
— denticulata
Zanthoxylum tricarp.
Smilax bona nox
— pubera
— ovata

Populus heterophylla
Salisburia nitida
Menispermum Lyoni
Gymnocladus canadensis

Carex vormskioldii
— Fraseri
— affinis
— alkemilla
— filifolia
— ovata Pursh
— media Willd
— rufanda —
— fuliginosa —
— compacta —
— mutica —
— Richardsoni
— conoidea
— Elliottii Ell
— Baratii Torr
— longirostris Torr
Scleria oligantha Ell
— gracilis Ell 7 Oct.

Ophioglossum pusillum
+ Sprunda Claytoniana
Hydrolea dicentrium
— quadrilobum
Pteris gracilis
Woodwardia thelypteroides

Bethlehem, P.
Dec. 24

Paid

Paid
18 3/4

Dr John Torrey
Professor of Mineralogy &c
West Point

State of New York.

27.

J. G. Schmeeuch
Decr 24th 1826
Rec^d payment
Contain dis. & amount
Quietance

Bethlehem March 11th 1827

My dear Sir

This time I am quite sure, that I have the advance of you - not having received an answer to my last - altho' I am far from thinking you to blame well knowing how many avocations you have. But I am exceeding sorry that I have not yet been able to lay hold of your Compend. It has not only not been sent to me as you directed - but my endeavors to procure it in Philadelphia have been fruitless - & from the manner in which my Bookseller Mr Walker promises to get it from Newyork I very much fear he has misunderstood my directions, tho' I copied the title from the N. Am. review — & will get me your unfinished Flora. However I promise myself to be in a fair way of getting it at all events, nay of doing, what is still more my earnest desire, videlicet getting a peep at your own natural self. It is this delightful prospect, which causes me to trouble you with these lines. Somewhere about the 22d or 23d of this month I hope to be in Newyork, where I shall have some business to transact, besides seeing our worthy Bishop on board of a vessel in which he is to depart for the Westindies (by the by the finest chance I have as yet had of getting West Ind Plants) which will detain me the greater part of the week following the 25th but not so intermittingly as to prevent an attempt of storming West point, supposing it possible that I could do so & return to Newyork in 48 hours. I need you would confer upon me a very great favor by writing a letter to me at Newyork, to the Care of Mr Jacob Bininger to be by him delivered to me, informing me whether I should be likely to find the only part of the Garrison that greatly interests me ready to admit of such an attempt, & if so, when & of how, it could be most advantageously executed in the week after the 25th. Please to inform me likewise of the address of Mr Halsey at this time. I trust you will not find anything tiresome in the present negociation & therefore grant the prayer of your sincere friend

Lewis Schweinitz

Bellbehan, P.
Mar 11

Paid 18 3/5

Paid

Dr John Torrey
Professor &c

West point
State of New York

28.

J. B. Schmaing
March 11th 1827
Rec'd Honble title
Chas

Bethlehem April 17th 1827

Dr John Torrey

My dear Sir

The most pleasing recollections of the agreeable, tho' short time, I had the good fortune to spend with you, would be not a little clouded by the many things I now think I forgot to converse about with you – did I not flatter myself that your kind promise of spending some part of the vacation with me, would afford an opportunity of repairing these deficiencies. I trust nothing will turn up to disappoint me in the sanguine hope of seeing you here & beg you would be so kind as to give me precise notice of your coming a little before, in order to enable me to arrange matters so, that I may be able fully to enjoy one of the greatest pleasures I can anticipate. In the hurry of my leaving you I unfortunately forgot the Index of my Herbarium – which I should be very anxious to get as soon as possible & regret that I did not mention it to Mrs Torrey when I had the pleasure of waiting upon her to deliver your packet in the morning after my arrival at Newyork – as I might then probably have received it before I left the city. I should likewise be much obliged to you if you would take measures to have the Ten Dollars for Schwägrichen paid to my account in the Union Bank & give me notice thereof.

Concerning the Fungi you were so kind as to give me I beg leave to observe, that there are among them five or six new ones, together with a larger number of such as are rare to me & have not ever been found by myself, tho'

I had previously received them from you. You desired me to return you the duplicates where such could be made out – & I now beg to know whether you wish to have pieces of all those I received from you – or only of those I have determined as new & whether you are content to wait for them until you come here – or desire them to be forwarded immediately. So small a packet I fear would be liable to be lost. I am glad to find that I can spare you 2 or 3 specimens of our German Sclerot. vaporarium – & will try to enclose a few of my S. medullare in this letter – which I found in the hollow of some Syngnathus plant in a garden – occupying the place of the medulla. It is rather the largest species of Sclerot. I have met with in this country

A press of business obliges me to take abrupt leave of you with the assurance of my sincere respect & friendship & I hope you will ever consider me

Yours affectionately

L. D. Schweinitz

L. D. Schweinitz
April 17th 1827.
Recd. Apr. 20th –
ans.

Bethlehem. Pa
April 17

Dr. John Torrey
Professor of Chemistry &c
United States Milit. Academy
West Point
State of New York.

Bethl. Dec. 5th 1829

My dearest Sir

Let my entreat you unless for reasons which I cannot devine, you should have refused to break off a correspondence so valuable – to afford me the consolation of a few lines. I have already understood that the severe disappointment I met with, by your not coming hither during the vacation – was probably owing to your translation back to New York & Mr Hally informs me, that there you do intend to devote yourself wholly to Botany – both pieces of intelligence in the highest degree pleasing to me. I must inform you too, that very soon after the time in which I had prepared my house & Collections for your accomodation – I was seized during the Botanical expedition I at length undertook without you – with a severe indisposition, which for 5 weeks incapacitated me altogether from doing anything of consequence from which I however recovered in time to collect considerably of our fall treasures. A very extensive plan concerning Herbs & Solidago which I intended chiefly for you – was however nearly prostrated again by an interruption which I could not help – during which the mould got into my specimens & almost ruined them – but I was further prevented from completing it – by a journey I had to make from Oct 2 to Nov. 3d to Lake Erie – unfortunately too late to admit of much botanical exertion besides continual rain; but interesting nevertheless an act of the Geography of some plants which I had occasion to observe at least in their ruins.

In the letter to Mr Hally in which I enclose the present – I state to him what I am now able to furnish. I am sensible that my recent collections contain nothing you could want – except perhaps 3 or four to me doubtful things which I shall lay by at all event. Should you however observe anything desireable – be sure it is at your command. But I have always calculated upon going thro my whole collection with you – & whenever that is the case nothing in it anyway divisible so as to be satisfactory to you, shall be spared.

Permit me to remind you of your third promise concerning the White mount. plants – or anything else any way calculated to augment my collection. I have been sorely disappointed in not receiving the European collect. promised me & on the way. I fear it is lost. Dr Flörner has however sent me his Monograph on the British Lungermaniae.

Let me know if you please whether you at present have any botanical plan in view – in which I could assist you. Besides putting all things in order – the one I propose to prosecute next is a review of my whole collection – with an especial eye to your Flora of the North States & for the last chapter your Compend – noting everything I have knowledge of – from your precincts – which I do not find there – If I succeed in completing this remark. during the winter –, it is my

L. D. Schweinitz
Dec. 15th 1827
Recd — Dec 18

and

Dr John Torrey

New York.

intention to communicate them to you to accompany that communication by a transmission for your acceptance of an extract from my collection of all the specimens which which my correspondents are described — which I shall beg you to return — when you have made from them such selections as may afford a delicious treat at all times yours

Please to give me your new directions

Bethlehem April 11th 1828

My dearest Sir

This happy moment puts me in possession of your kind favor of 3d instant — & I embrace a moment leisure to answer it immediately — in order to assure you that it gave me the most lively pleasure, excepting only that passage of it which informs me of the frustration of your plans of calling here & thus deprives me of one of the greatest enjoyments I long for. Do, I most earnestly pray you, contrive in some of your vacations to grant me a few days — I know it would prove a matter of the utmost importance to me & might afford me some chance of useful interchange. I am glad to learn, that you are arranging your herbarium — dont forget me & my desiderata in so doing. I must confess I am almost in despair about my botanical exchanges just now. Within the last three weeks I have with great exertion made up large packages for Dr Hooker & Mr Greville & forwarded them to Mr Binnyon by the Brunswick stage. They have not arrived I hear at Newyork, & are probably lost. I fear as much for a package of several hundred North Carol plants forwarded since to our friend Mr Halsey accompanied with about 500 Spec. mostly new Fungi, which he was to share with you — because I hear nothing from him about their arrival. I am this day forwarding another package to Baron Lederer & feel very ill at ease to think all these things lost which have cost me so much time & labor to collect. The communication of your botanical plans was to me in the highest degree interesting. If it was possible to give me notice a week or two before hand & so arrange a point of meeting, it would be one of the most agreeable things I can imagine to accompany you in the excursions on the Lehigh shore

The coast of Maryland is I think quite a new field — if possible — may I put in a claim to join in the fruits of that expedition to fill more in that west of the Rocky Mts — ? I would be most happy to be considered a contributor to the plan in a pecuniary way to the extent of my means.

The latter part of the winter I have been employed as much as my duties allow in writing a new descriptive Synopsis of my Fungi — but have not yet got thro', tho nearly with the monstrous genus Sphaeria. It is my purpose to continue — to finish it next year, with drawings of all to every new one. What is to become of the work when finished I have not yet determined

During the whole of last year I have been very unfortunate in my desire to increase my collection. Not one of the foreign supplies promised has come in — to at the best season — for doing something personally indeed during an attempt — I was seized by an indisposition which utterly incapacitated me. When recovered — it a fine prospect arising — my duty obliging me to travel to the North West Corner of the State on Lake Erie untoward circumstances deferred this journey untill late in October — & that vegetation was entirely gone.

Do me the favor to enquire of Mr Hasley concerning the arrival of my package, which left Easton on the 6th March — as I advised him thereof by letter to permit me once more to beg you to him, to try to do something for me. Knowing however by my own experience how difficult that is — when duties occupy so great a portion of time — I can readily

account for it – if you find it out of your power.
Within a few weeks I expect to go to Philadelphia – if possible I should be very glad to become acquainted with Dr Torrey. Can you furnish me his address.

Excuse these hasty lines, designed only to express to you my extreme joy at your gratification – after so long a silence – & my warm desire to participate in the plans you propose. Believe me

Yours most sincerely

L Dr Schweinitz

Bellevue, P.
Apr. 12

Paid

Paid 12/-

Dr John Torrey
Prof. of Chemistry &c.
in Medical College

New York.

A. J. Schwenck
Apr. 11th 1828.
Rec'd Apr. 15th

Bethlehem, May 4th 1831

My dearest Sir

I can truly say, that the reception of your kind favor of the 26th ult (which unexpectedly took place only last evening) gave me as much pleasure as pain. The former on account of the delight of recommencing a correspondence with my most valued botanical friend in America & the latter on account of the misinterpretation you might conceive upon my silence & especially my neglect of your kind letter of last year. Indeed I was not aware that you were ignorant of the cause of the latter — which from the time I received yours to within about two months past entirely disabled me from any exertion whatever. I left Philadelphia in a hurry on account of the violent breaking out of an indisposition I had felt for some time coming on & my chagrin was not a little augmented by finding at home your letter, which apprized me of the disappointment I had unwittingly prepared for you, which at the same time was as great a one to me. But I was soon incapable of feeling the regret, for besides some alarming symptoms of another kind I became extremely debilitated & with little interruption experienced a depression of spirit such as I had before been an entire stranger to, until the commencement of December. Scarcely had that left me, & enabled me to resume my duties & my studies, when it pleased God to visit me with still more serious bodily complaints by which until the commencement of March I was strictly confined to my room. During this tedious spell however I had every reason to be thankfull & had no relapse of mental depression took place. On the contrary I was enabled to be active with my pen & among the rest completed the Synopsis of the American Fungi containing descriptions of about 1500 new species & remarks upon the whole number of 3000 am. species as yet observed by me. Thus I did not forget you, my dear Sir. I hope to be able to prove to you — for among the rest I put by for you upwards of 200 species of very beautiful specimens of Swedish plants with such determination as I have been able to make out — & the box now stands ready to be forwarded to you by the first opportunity that occurs. As I requested Mr Oakley to inform you, when about a month ago I had the pleasure of receiving a letter from him, the first voice from any botanical friend after my indisposition. I trust that you will now excuse my apparent neglect. My health is not yet by any means reestablished on a firmer

basis - accordingly about the middle of this month I shall commence by the advice of doctors a long journey to have chiefly the Westerly direction, proposing to go as far as the state of Indiana. It is by no means improbable that I shall return by way of Lake Erie & in that case hope to have the pleasure of seeing you some time in July. I have prepared myself if my strength admits to botanize on this journey with as much zeal as possible. Having now given you some idea of the last two years - & the candid assurance that your kind letter proved to me a most encouraging omen that my hopes of being fully reinstated among the rest in my botanical employment, permit me both to answer it & mention some other matters. In the first place concerning my Synopsis. It was my intention to forward it imediately for publication to France or Germany (this somewhat appalled under present circumstances by the well known adage Litera scripta manet!) But during my last visit to Philadelphia a last night at Where by the by I again missed seeing you as I had been led to hope by Dr Pickering) I was so urgently requested to submit the work to the Philosophical Society to be published as their next volume that I left it in their hands. It was since received assurances that it would be published so as to appear at the end of the year. If it is so finally determined I shall be glad as I would prefer it being published in America. Upon the expressed wish of Mr Ellis I have yesterday forwarded to him, my servant bore which the Synopsis is comprised - in three bound manuscript books! I am thus deprived of the means of correctly answering your request of giving you a list of the N. Am. Genera with the number of species - & shall be to refer you to Mr Ellis who will I trust be kind enough have the goodness to say both, written carefully indeed both as to latinity & handwriting) & thus enable you to extract them yourself. In my work for publication I have made some few alterations in the arrangement - ~~and~~ & adopted some new Genera established by Fries in his recent publication on the whole vegetable kingdom - which I am very sorry I did not send you - as it would be highly interesting to you! The number of species however is almost entirely the same - except that I have here & there omitted a few, which did not appear sufficiently ascertained. ~~Mr Ellis~~ Nothing will be more easily effected by me than the work you are publishing on the Indian orders - as regards the Fungi - the perfection of the system is really admirable & I do most sincerely regret not having sent to you Friel's work which comprises not them alone, but the whole of Cryptogamia. No opportunity will offer before my journey; otherwise you should still receive it.

Tho you say that you have little of any news to communicate I was agreeably gratified to hear what you do impart. Can there be a more pleasing piece of news than that you have resumed the publication of the 2d. Volume of your Flora? On my return from the westward, if it be not too

date I should like to send you for inspection everything that my Herb. contains, that would be of use in making it complete. Let me know if you would wish it. The hopes you hold out concerning Dr Gates — are gratifying. I hold three places in the expedition. Lecontes & yourself are appointed to act for me — A German adventurer took me in last fall upon a similar plan. His name is Volty — but I have not heard a word from him. The proposals of Dr Drummond are indeed of a different kind & so tempting, that notwithstanding my impoverished circumstances I cannot help requesting you to secure for me the regard of getting two hundred species from him on the conditions proposed — begging you kindly to undertake their selection for me! I have seen Hooker's work at Carey & Lea's & it is however quite beyond my means.

So you have lately arranged your Herb — I hope you have found some traitles for me — Indeed my dear Sir permit me to beg that you keep me in good remembrance, when anything especially american falls in your way. I trust when you receive the Surinam plant, you will give me credit for my own remembrance of you. Anything foreign will be acceptable likewise. Should I be lucky in my western expedition — you may rest assured that the second specimen of anything I can procure is regularly laid by for you. God grant that my health may be so improved by my journey as to render me able to botanize. My legs are still very feeble, but I am accompanied by my cousin, who has a little smattering of bot.

I propose to forward the box with Surinam plant to you with the direction to be called for at the Darien Stage office kept by James Kirby No 77 ~~Fin~~ Cortland Street. If I can find an opportunity before I leave home I will put into the box Frids Syn. Orbis vegetab. — for your perusal.

This moment I am interrupted by a very acceptable letter from Mr Greville Edinburg, who informs me that he has forwarded to me the plates of his work on the Felices, addressed to your care by a Mr Dowdge of Baltimore. Should you have received that parcel I beg to request that you may be kind as to deliver it at Mr Van Keeke, Dutch minister Dutch street as within a fortnight I shall have a fine opportunity to get it from him.

I remain yours most sincerely

Lewis C. Schweinitz

L. D. Schweinitz
May 4th 1831
Recd. May 9th -
Ans.d May 15th -

Bethlehem, P.
May 4

Paid
Paid 12½

Dr. John Torrey
Professor of Chemistry &c
New York

Lucia 31st 1831

My dear Sir

On the 21st instant I have happily returned from my ten weeks tour in the western country which proved very beneficial to my health (alas! unfortunately during the last days I have again caught a violent cold which threatens unless to determine much of the benefit) & extremely delightful in every respect. It has not indeed been productive of many new plants — of the few I have I propose to send you a list but nevertheless full of botanical engagement, by giving me a very satisfactory Idea of the Botany of the region I visited two. I hope you safely received the collection of Surinam plants which I forwarded to you just before my departure. On my arrival I found the valuable work on the Ferns from Greville which you have kindly forwarded to me to express my thanks to you. Permit me to enquire whether any thing further concerning the Cuba collection has transpired — or whether you have anything on hand for me, as on the 12 or 13th of Aug. my friend Mr Will Van Tech of Newburgh intends to have there for Cuba & would take me with his kind attention to anything you might think proper to send. In hope of soon hearing from you I remain very

Your most respectfully

Lucius D Chandler

Bellevue, O.
July 31

Paid 12½

Dr John Torrey
Professor of Chemistry &c
New York

P. G. Schweinitz
July 31, 1831
Lec. Aug. 11th

Bethlehem Sept 24th 1831

My dear Sir

By my nephew Mr Eugene Freeman who accompanied me on my late western tour, I take the liberty to send you a few specimens picked up under the disadvantages I labored under. The Rocera & Bromus I should be very glad to have your opinion on. At the same time I forward to you my full list of all the plants I noticed on the tour, merely as I conceive it might interest you for a moment & beg you may return it to me — You will likewise find in the parcel the remarks which a renewed attentive study of your excellent Flora as far as Triandria has suggested to me — which I beg you to accept & to make what use thereof you please or none at all I have further put in a few hasty remarks on the Plants known to me as naturalized in the U. S. Do you think a piece of the kind would be useful & acceptable in Silliman's Journal? If you think it worth while I will communicate the continuation of my remarks on your Flora, as I proceed gradually in the study & comparison. You cannot think how glad I should be to procure specimen of fruit of your plants as I have not seen. Such are to the end of Triandria Blitum maritimum — Agrostis clandestina — Aira pumila — Panicum longipilum & the true Aira corrupsa. Indeed if Mr Freeman could bring any thing from you or Mr Halsey on his return it would give me the greatest pleasure. My health is gradually mending, but I have not recovered my spirits — so that I am unable to speak publicly. My friends leaving here a day sooner than was anticipated I am deprived of the fine opportunity of writing to you more at length. If you can without inconvenience show any attention to my nephew, who is not without scientific interest I should be much obliged to you. Believe me most sincerely Yours

Lewis C. D. Schweinitz

Dr. John Torrey
Professor of Chemistry &
Botany
University
New York.

Fav of Mr. Tillany

Dr. R.
I recd. this letter &
a small parcel of plants from
Mr. S. this day. & have ready
some things for him which I
thd. like to send by his nephew
if he is still here. The Mushroom
Books are ready also. Have
you any thing to send? I
am ready to have the lots done
for Gaber's plants — at — [illegible]
Try & be there tomorrow before
12 o'clock. Yrs. J. T.

J. P. S. Gilmanby
Sept. 9th 1831
Recd. Sept. 8th
Ans'd. Sept. 30th

Bethlehem Feb 14th 1832

Dr John Torrey Newyork

Dear Sir

Your favor of the 3d instant gave me the most lively pleasure & not the least part thereof was caused by your declaration of constancy to your first scientific love. When all possible concern for her Sisters & their acknowledged beauties, I confess I can hardly forgive any one's forsaking Flora delightful service entirely, while I do most sincerely rejoice in the fact that a faithful attachment to her can & often does subsist, whilst her devotees are actively engaged in the more substantial employment of her richer sisters

I look forward to your remarks on Gale plants with no small desire — by the by — are we not to expect some facts supply from that Gentleman. The last remittance tho' not extraordinary, was still extremely valuable.

The copy of Hooker's two first numbers, which you so kindly lent me was duly received & has been assiduously studied by me. I regret besides the want of the plate to the first no that I suffered myself to be deterred from my first intention of copying and the whole for fine specs I have copied a much longer & less useful affair until the time you have so kindly allowed me for the use of it, has expired: I am however very glad to be able to prove to you my punctuality in returning by the good opportunity which offers to send it to you. Tomorrow a gentleman with whom I have become scientifically acquainted during his winter residence here, viz Dr Paynich of Nyack proposes to go to Nyack & has promised me to take charge thereof. He will make a stay of a few days only — if you can spare it — I should most eagerly embrace your offer of perusing the third No — provided you could send it to me by that Gentleman — & would do my best to return it shortly to you. I have not received the Copy of your edition of Lindley — tho' most eagerly looked for

Indeed I have deferred a study of the natural families for which I had prepared myself - untill after its receipt as it will doubtless aid me essentially. Dr Sayrish has promised me to call at Carvilles & try to get the volume I have actually gone thro my collection as I stated to you in a former letter - but I found the project of combining a selection of your desiderata with the object I principally had in view not so practicable as I thought, & have therefore resolved to make that selection the cause of a new progress thro the whole. The list of your desiderata however appears to me to be taken exclusively from my list of plants obiter observed during my Western Journey. On this account I am about making out for you a new list of all my american plants, in which however I mark those of which I cannot spare any, for want of duplicate. I shall send you this & beg you to mark such of the rest as you would be desirous to see & have at all events.

Your announcation of the arrival of packages for me from Dr Martius was wholly unexpected. I can very deeply sympathize with you - on the disappointment the contents of the box caused you - from similar misfortunes which I have experienced - & am much obliged to you, that you have probably saved me one, by your peep into my parcels - for I should certainly have expected something more valuable than I fear the scraps of Dr M's herb. may prove, altho Dr Sayrish tells me, that he has seen the whole of Martius Brazilian collection, & that they are upon the whole extremely imperfect & wretchedly prepared. However very little helps.

My friend - Mr Binnyer has just informed me that he is about forwarding these packages to me very soon. Pray, my dear Sir, let me hear my proportion of the truly enormous charge upon the box & inform me of what that amounts to - It can only be owing to mismanagement that the German transportation comes so high - or perhaps to that spectral ghost the Cholera which has possessed

the European governments & makes them do every thing in their power to prevent the passage of packages of any kind. I have lately received Sandwich, which were perforated in every direction (as all my letters regularly are) by the purifying shifts & so imbued with a smell of Vinegar of Four Thieves, that I can hardly stand the perusal of them.

The little Spiraeinum appears to me very interesting. Be pleased to inform me whether it agrees with your arctic specimens of Drummond. By the by, has that gentleman actually commenced his operations in this country — & is there any hope of participating in the harvest?

The entire restoration of my health (tho alas not of my youthful energy in climbing fences & stooping & marching, the want of which will be a great drawback on my excursions) with which I flatter myself gives me hopes of doing more this year in Bota than of late years. I have not heard from Mr Halsey for a long time — & will beg to remind you once more to be so kind as to let me know if you do — where Capt Le Conte may at present be found. If in any vacation of your duties you could make it profitable to stay some weeks, days or even hours only at my house — it would give me the sincerest pleasure. I remain yours most sincerely

Lewis D. Ashmeinitz

P.S. I have two packages of plants for England lying ready for more than a year — but have not yet been able to devise a way of forwarding them to London with safety — as I am told Capts of Packets cannot be to take charge of such things. How do you manage these matters?

L. D. Schweinitz

Feby. 14th. 1832

Recd. Feby. 23rd.
by Dr. Naynich –

Ans.d. Feby 29th.
by Mail

John Torrey M.D.
Professor of Chemistry &c
Lansingburh

Bethlehem March 29th 1832

My dear Sir

Your exceedingly agreeable communication of the 29th ult ought to have been answered long ago - & would - but for a new & severe attack of my complaint - owing, I have reason to fear in a great measure to the failure of Spring coming on, to that unheard of severe weather which has with us been alternating with warmth. I trust the worst is over & have found considerable relief from my complaint for a few days past - so that I can again breathe with some freedom.

How much I deplore that you were prevented from forwarding what you intended for me - I pray leave anything of the kind at Mr Van Pelt's or Bininger's - & it will reach me. As regards the 3d number of Hooke as you id it is now too late to request its perusal for the present. I shall be much obliged to you to send it in autumn so that I may have it during next winter, begging by all means if you can spare it, to add the 1st Ed. of No 1. which you so kindly offer.

But I can hardly adequately express to you the gratification & instruction, which the Copy of your Ed of Lindley's Introduction (which Dr Lagnith brot me) imparted to me. I fairly devoured it - & think the work truly excellent. For the first time I have thoroughly been enabled to acquire an insight into the natural System & was delighted by it.

For some time I have been busily engaged in making out a list of the duplicates I can make out of my collection for you. But it is a work of some considerable magnitude. Tho I do not precisely know whether you wish me to include European plants - I have added a list of all, of which I can afford specimens, except such as are very common. Their number greatly exceeds that of the American duplicates I can offer you - as I naturally exclude from my list of these the numerous ones, which I know you are familiar with - to which I owe to your kindness.

The parcels from Dr. Martius – tho' they did not furnish to me more than about 40 species new to my collection, where nevertheless valuable because in many instances they contained better specimens than I had before. He holds out a promise of sending Brazilian plants – when his work on them shall be finished. The few specimens however which he has sent are exceedingly imperfect. A better addition to my collection was made about the same time by about 300 Cape plants which cost me 5£ – & were procured thro' Dr Tagnich.

I am much obliged to you for yr directions as to Capt Le Conte. Just before I received yr kd letter an opportunity offered for forwarding my two packets of plants to England – which I embraced & but have since much regretted it – for I have learnt facts particular about the person, who took charge of them, that I am not without fears about their safe arrival.

One thing considerably cheers my mind – it appears to me, that the very particular affection of my lower extremities, which has so much impeded me for a year or two past – is vacating off – & I begin to think that if this was overcome all my other complaints of the chest &c. might possibly give way likewise. No kind of occupation gives me greater relief than botany –

Believe me dear Sir your very obliged & faithful friend

Lewis D'Olivecrona

P. S. If I have correctly understood your former letter you stated that the copy you received of Dr Martius travels was incomplete. It was not, till a few days ago, when about to send my copy to be bound that I discovered – that the second Volume is double with me. Should this be the part wanting in yours – pray let me know, that I may send it to you.

Bethlehem, Pa.
Mar 29

Paid 12½

Dr John Torrey
Professor of Chemistry &c.

New York

J. B. Ellmaker
March 29th, 1832
Rec'd March 31st.
Rec'd Mar 19 &c

Bethlehem April 12th 1832

My dear Sir

I am well aware, that in forwarding to you the inclosed long promised lists 1) of American 2) of European plants of which on a strict examination of my collection I can furnish you with a specimen - I am imposing no slight tax on your eyes - by the microscopic & perhaps illegible characters in which it is written. I was induced to prep the whole together in so small a space in order to be able to forward it to you by a mail at an early day, to enable you to take time to mark all those which you desire to have - because you will readily conceive that it will require considerable time for me to get them out for you. But, if they or any of them shall be acceptable to you - I can promise every one here noted & desired by you - unless I have inadvertently in any case made a mistake. In the labels which I shall give those I send with - I will carefully note the place & the source from which I have derived them.

In the first list - all the underlined species are such as I have named & there are not a few among them, whom probably you will not be able to admit as new species. Nevertheless I was desirous of letting you see what I have so designated, subject to future correction - Probably I may have likewise mistaken others. In every case your opinion & remarks will be truly acceptable. I presume there are not a few - which I have heretofore sent you. All such - & indeed in general all that you do not absolutely want - I shall be glad to keep - as I have been very strict in naming in the list very species - of which I can at all afford a tolerable specimen. The same is the case, tho' not so generally as regards the European List. In the american all those which I owe to your kindness & all those which I know to be common & in your collection are left out - which has greatly reduced the number. In the European list very common species are likewise omitted. Having been disappointed in my hopes of examining the whole second List on one speed - I was tempted to fill up the blank part of the new one I had to take by a list of my american desiderata, arranged according to the authors from which they are derived - leaving out in each succeeding authors list all those already recited in the preceding ones. I need not say that if you can provide any of these - or other new things - how much I shall be obliged to you - for it is dreadful how large a number is still wanting. I only beg to add that the European plants are chiefly good specimens, perhaps to be sure mostly known to you. But you will at least see my willingness & desire to contribute what is in my power. My tropic plants rarely afford duplicates - except the Surinam of which I have already sent all I had.

I wonder whether you have seen that most extraordinary & impertinent publication which Raffinesque has just issued - on every possible subject under the title of Atlantic Journal. He is doubtless a man of immense knowledge - as badly digested as may be & crack brained I am sure. His short reviews of 23 recent works - among which your ed. of Lindley is likewise paraded - are truly comical. I have some notion of competing for the splendid prize of Twenty five Dollars he offers, to be paid Nota bene - in pamphlets of his own manufacture & specimens of plants from the same laboratory - for the best synopsis of U.S. Phaenogamous plants - under the highly characteristic condition - that not a single one already described or published in Europe & Am. (meaning by himself) shall be omitted.

Do pardon me, dear Sir, for the impertinence of sending you these enormous lists & believe me most sincerely Yours

Lewis D. Schweinitz

P.S. I am happy to say that by the Lord's mercy I am almost entirely recovered in my health & do not doubt that Spring if it come at all - will complete my entire restoration

Paid
Paid 25

Dr John Torrey
Professor of Chemistry, &c.
New York

Bethlehem, O.
Apr 12

J. G. Schmeisinger
Apr. 12th 1832
Rec'd Apr. 14th
Ans. May 19th

Bethlehem May 17th 1852

My dear Sir

Some weeks ago I took the liberty to trouble you with a very cumbrous list of my duplicates — together with a letter — which I trust came safe to hand. I did not expect an answer immediately as I am aware your time is so much engaged — but I had requested a friend who since has gone to Newburgh to give you a call & to learn whether it has reached you. He however forgot to fulfill his promise. I therefore now write to you in order to say, that about the 12th of June, decorum, I hope to be in Newburgh for a few days & should be very much obliged to you, if you would kindly by that time leave a line at Rev. W. Henry Paroleck's No 14 Dutch Street informing me of the time & number where I could conveniently to you, call upon you. My duties will call me to divers places at a distance from Newburgh — so that I should be extremely glad to be able to arrange an interview before hand

You will learn with satisfaction I am sure, that it has pleased the Lord perfectly to restore my health, excepting only a stiffness in the lower extremities, which greatly impedes me in walking — but which I shall probably never get over, as I begin to consider it either the forerunner or the lieutenant of an hereditary affection of the gout. Botanical excursions out of doors are greatly impeded by it — while experience teaches me notwithstanding that they are the best alleviation of the evil.

Excuse my troubling you with this short letter & believe me with sincere regard yours affectionately

L. D. Schweinitz

L. de Schweinitz

May 17th 1832

Recd. May 19th

Ans'd May 19th

Princeton May 24th 1832

My dear Sir

I was not a little delighted yesterday by your letter of the 19th ult. unable as I am to account for the circumstance that almost all letters I receive from Newyork, where the mail arrives daily & goes thro' in 1 day & night — are four days old) & for fear you may go to Princeton too soon I hasten to answer it. I greatly deplore that it will be impossible for me to arrive at Newyork before the 12th of June, being Tuesday, which will deprive me of the pleasure of meeting you that week — with a certain prospect that on Saturday & Monday following, which days are those I could otherwise hope for that desireable event, I shall be absent from Newyork in the prosecution of my duties. It is however possible that I may be able to prolong my stay untill the 23d of June, before I leave the city altogether — as perhaps circumstances may occur to detain you in town on the 13th or 14th when I shall doubtless be there. At all events please to leave a card for me at Mr Van Winkles No 14. Dutch Street — with your address designating the number & street — & likewise that of Mr Halsey if you conveniently can. I shall certainly bring the odd volume of Dr Martius with me to Newyork & deliver it to Dr DeKay.

In answer to your enquiries concerning the Algae Brit. of Mr Greville which you have not received — I can only say, that nothing of that kind has come to my hands & that I think you must be under a mistake as to the time they were sent 2 or three years ago or perhaps longer) if at all connected with Dr Greville's set of impressions of Icones Filicum, which I certainly received thro' your kindness. By recurring to your letters, I find that on the latter subject you wrote to me under date of May 14th 1831 — that the parcel containing the Icones had a few days before been left at your house by an unknown person — & that you had placed it in the hands of Mr Thorburn to be forwarded to me — which was accordingly done & I received it shortly after my return from Indiana. Dr Greville's letter to me had come to hand some time before per mail, & ship marked — so that it does not seem to have been brought by a friend — tho' so stated in the letter without however naming him

I am truly glad to see by your returned list – that I shall be able to furnish you so large a number of plants – but you will no doubt allow me time to go thro my collection at leisure to make out the parcel – which will be impossible I fear till after my return from Newfoundland.

Dr Pickering has just informed me that my Synopsis of American Fungi – is very nearly printed. I trust by the time I get to Philad on my return, it will be entirely so – & that I shall be sure of getting a number of copies presented to me by the Philosp Soc. But if they allow me but two copies – one is yours & shall be forwarded as soon as procured.

I am just attempting a negociation with Collins administrator at getting from him some of the loose packages of plants – if it can be done without extravagantly paying for them – for the price which I understand is asked for his own Collec & American plants – is exorbitant & at all events greatly exceeding my means. The less I am able to exert myself by collecting plants from nature – the greater my zeal becomes of increasing my collection (which with Cryptog – is now nearly 20,000) of dried specimens. Two packages from Wallich I have been informed are on the way for me.

With the more ardent wish of not being disappointed in meeting you personally I remain Yours affectionately

Lewis D Schweinitz

Paid

Letter & Paid
June 27th

Dr. John Torrey
Professor of Chemistry &c
New York

Stylepin

Stylepin

J. B. Schoonmaker
May 24th 1832
Recd May 26th
Ans. June 18th.