



Hunt Institute for Botanical Documentation
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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

Chicago, Ill., August 17, 1903.

Mrs. Agnes Chase,

Wady Petra, Ill.

My dear Mrs. Chase:--

I find everything in good shape as you left your material. I also find a communication from the Director allowing two months salary as I requested for you. We will take up the closing of the composites when you return.

Wishing you a pleasant and health compassing vacation, I remain,

Sincerely yours,

Curator, Department of Botany.

*Dr. L. J. Muller's copy
Dear Sir:
So far as I can complete
at the Jordan Composite are
finished. I intended to go
to Wady Petra Sept. 1, but as I
am not a student still, must wait &
have your criticism on type
etc. I am going now (Friday)
and shall do anything that
remains to be done when I
return Sept. 1. Copy (typewritten)
is in cover labeled "Compositae"
in case 141 first tier, near the
bottom; plants are all in that
order in next case, drawings
are all completed, including*

I've enjoyed the work, so I'm not
grudging anything. Gaumer
duplicate material I shall
go over if it is out when
I return. Gaumer plants to
receive number are in pigeon
holes, numbers to be added
to ms. The key I'm not
satisfied with, but the gaps
in the natural order make
it very difficult. I have
worked and worked over it
and shall be ready to try it
again when you have criticis-
ed it.

Yours respectfully

Agnes Chase

full page plates of *Gexmenia*
hispida ramosissima Green-
man (his letter is in cover with
these plants) and *Encelia*, if
you decide to make a species
of it, it is all ready to name.
Crataegus named in June Bot.
Gay I have also labeled (I brought
a lot last winter of Prof. Hill's
and mine.)

I trust you don't object to
my taking these 2 weeks, it
will save time (for me at least
in the end); and even if I am
paid for July and August, then
were 2 weeks in June and one
in May. I worked gratis. Bot.

59 Florida av N.H.
Washington DC Mar 9, 1934

Dr. E. F. Muhlbaugh

Dear Sir:

Is Patterson 46 Colorado

Flora, *Agrostis depressa* Vasey,
Clear creek canyon near
Georgetown, Colo
H. M. Patterson 1145-

in the herbarium? If so and
accessible will you please let
me know if the plants are
stoloniferous? This collection
is the type of *Vasey depressa*,
specimens of that number
here are without stolons. There
is a plant of the Pacific coast
growing on the low sand
dunes of Oregon and Wash that
from spikelets I feel sure is

the same species Prof. Hitchcock agrees the spikelets are indistinguishable but hesitates to call it *depressa* because of the different habitat and because the type lacks stolons. I am drawing *Agrastis* for Prof. Hitchcock's monograph.

Have those Yucatan plants arrived yet?

A botanical correspondent of mine, Miss L O Eaton, South Chesterville, Maine (a few of whose orchids I gave the herb. some years ago) has asked me to inquire of the Field herb. about specimens and if she could sell a set of Maine plants if she collected them this summer. So far as I know

you don't purchase northern plants - I inquire because I was asked to.

I sometimes am called on to work in the herbarium where *Panicums* are on hand - Tracy's 1913 I helped work out. I am studying and taking notes of the types used when I visit Chicago. I intended to put in a couple of days on *Panicum* in Field herb. I feel I am beginning to get acquainted with the interesting genus.

Yours respectfully
Agnes Chase

59 Florida av N.W.
Washington DC Mar 9, 1904

Dr. E. F. Muhlbaugh

Dear Sir:

Is Patterson #6 Colorado
Flora, *Agrastis depressa* Vasey,
Clear creek canyon near
Georgetown, Colo. 1885
H. M. Patterson

in the herbarium? If so and
accessible will you please let
me know if the plants are
stoloniferous? This collection
is the type of *Vasey depressa*,
specimens of that number
here are without stolons. There
is a plant of the Pacific coast
growing on the low sand
dunes of Oregon and Wash that
from spiklets I feel sure is

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Agnes Chase.

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51 Florida av. N. W.
Washington Mar 15, 1904

Dr. C. F. Millspaugh,

Dear Sir:

Thank you for the specimen of *Agrostis depressa* which was received yesterday. Prof. Hitchcock agrees that the Pacific coast plant growing on the low dunes is the same - a case analogous to that of *Selaginella rupestris* growing on our Indian dunes. I envy Mr. Lansing and Burgess. Prof. Tracy was in the office a couple of weeks ago, he said he expected you to join him in a trip about April first. Who is

going to determine the grasses
and sedges of these three collec-
tions? If it isn't "bad form" to
suggest it I would like very
much to do it. The Department
library is very complete and
the grass herbarium is rich in
type specimens. The National
herbarium is in such awful
condition it would be harder
to work up the sedges here than
at the Field where I have worked
over so much of the material.

I hope the Composite fascicle
will come out without mis-
hap and with all the cuts
right side up.

I hope I shall see you if
you pass through Washington
Yours respectfully
Agnes Chase.

May 5, 1904.

Mrs. Agnes Chase,
59 Florida Avenue, N. W.,
Washington, D. C.

My dear Mrs. Chase:

Your favor of April 29 has just reached me upon my return from a collecting trip to the Bahamas upon which I met with excellent success in collections upon New Providence, Joulter's Cays, The Biminis, Gun Cay, north and south Cat Cays, and other shall rocks. The collections are not yet in shape to render you any report of interest concerning them.

I am very much pleased with your article in Rhodora and am very glad to see you entering the ranks in this manner.

Fascicle II of the Yucatan flora was issued April 26, and if it has not reached you by this time I will see that it does so soon. Other copies will also be sent you as soon as my allotment is turned over to me.

I am very sorry that haste both going and coming upon my recent trip prevented me from visiting the Division of Agracology at the Department, and having the pleasure of at least a few moments' visit with you there.

I am very sorry to hear of the death of Henry Eggert, and will look into the matter of his herbarium as soon as possible. I am, however, now compelled to spend some three or four weeks in Saint Louis, which will greatly interfere with my routine herbarium and office work.

With best regards and wishes for your good health, I remain

Sincerely yours,

Curator Dept. of Botany.

59 Florida av N W
Washington DC

June 20, 1904

Dr. C. F. Millspaugh,

Dear Sir:

Thank you for the
Yucatan Composites received
a few days ago. I am very
glad to have them. We (my
sister is visiting me) have
just returned from a short
stay at Cape Henry - our first
sight of the ocean. I was
so glad to get into dunes
again, though the Cape Henry
dunes are far less rich botan-
ically than those of Indiana.
I collected 35 numbers - you
will receive a set in the fall.

Yours respectfully
Agnes Chase.

December 24, 1904.

Mrs. Agnes Chase,

59 Florida Avenue, N.W.,
Washington, D. C.

My dear Mrs. Chase:

I have just returned from St. Louis and received your kind letter of the 7th instant. I have since found that the box of interesting material has also arrived here. I am very much pleased to see that you have been able to continue active field work, and further pleased to know that this herbarium came so nicely in for a share in the results thereof. I shall immediately request that some of the Yucatan publications be sent you. I am interested particularly in learning of your illustrating "Bouteloua". It will be a pleasure to see more of your grass tracings published.

With best wishes and the sincerest compliments of the season, I remain

Sincerely yours,

Curator, Department of Botany.

UNITED STATES DEPARTMENT OF AGRICULTURE,
BUREAU OF PLANT INDUSTRY.

TAXONOMIC AND RANGE INVESTIGATIONS.

Washington, D. C., May 6, 1913.

Dr. C. F. Millspeugh,
Field Museum of Natural History,
Chicago, Illinois.

Dear Sir:--

Yours of May 2 received. Enclosed is a list taken from my field book of the collections made the only time I visited Starved Rock. I think you will find a specimen of each in the Field herbarium. Professor Hill and Professor Umbach collected that day also. Professor Hill has been there a second time and can tell you more of who has visited there than can anyone else. Dr. Cowles and his class were in the 1901 party but they probably did not preserve any specimens they may have taken.

I am rejoicing that Dr. Trelease is going to the University of Illinois. I hope now Illinois will do something on her long-neglected flora.

Very truly yours,

Agnes Chase

Scientific Assistant in Systematic Agræology.

May 16, 1913.

Miss Agnes Chase,

Bureau of Plant Industry,

Washington, D. C.

My dear Miss Chase:

Please accept my sincere thanks for your kind letter of May 6 and the accompanying list of plants collected by you at Starved Rock, Illinois. When I wrote you I had an idea of spending a few days down there at an early date and wished to check up, as far as possible, the species previously collected there; but it happened that I ran afoul of two or three large excursions pointing in that direction which thoroughly discountenanced me with the trip. I therefore put it off for some time in the future.

With best regards and wishes, I am

Very sincerely yours,

Curator, Department of Botany.

59 Florida av NW
Washington DC

April 29, 1912

Dr. C. F. Millspaugh.

Dear Sir:

With this I send you a
copy of Rhodora with my
scrap paper. I ordered
separates but they have not
arrived yet. When they come
I shall send copies. For the
herbarium.

I am wonder-
ing where Fascicle # of Guatem-
flora is by this time. Has
it been published and did
you forget to send me a
copy. If so may I have a few
copies, please.

The division
of Agratology moves next

(a nephew)
him, and the address:

(August Eggert
700 Bowman av.
East St. Louis

Ill.)

in case you cared to see
about his herbarium.

A.C.

next to a building, ^{just} outside the
Mall, corner 13 $\frac{1}{2}$ and 4 $\frac{1}{2}$ Ws.
if you pass through Washing-
ton do not climb all those
stairs to the present office
Prof. Piper starts for Alaska
next week - he is going to
collect in typical localities of
Tertiary species collected there
by Dr. Meertens and others when
it was Russian territory.

Yours respectfully
Agnes Chase

Did you hear of the death
of Henry Eggert? He took his
own life early this month.
I made a note of the only

301
C. A. W.
UNITED STATES DEPARTMENT OF AGRICULTURE,
BUREAU OF PLANT INDUSTRY.

ECONOMIC AND SYSTEMATIC BOTANY.

Washington, D. C., November 17, 1914.

Mr. O. E. Lansing, Jr.,
Field Museum of Natural History,
Chicago, Illinois.

Dear Mr. Lansing:

Your letter of November 10 I received on my return to Washington.

You ask about my duplicate grasses. Such duplicates as there are of my collecting are in the general collection for exchange. I have very often collected out of office hours but have not kept such collections distinct from those collected officially so of course could not sell any. We should be glad to exchange however. In the distribution of American grasses, we are making, we can use sets of 30 specimens of a collection. If you care to prepare such sets from your region as we lack we shall send you an equal number of specimens of grasses. Do you wish my collections particularly or a general representation of some given region or tribe?

There is no check list of North American grasses except such as is included in Heller's Check List which is far from complete or accurate.

I am glad you had opportunity to visit the interesting Starved Rock region again.

Very truly yours,
Anna Chan
Scientific Assistant in Systematic
Agrostology.

59 Florida av N W.
Washington DC..
Dec 7, 1904

Dr. C. F. Millepauqh.

Dear Sir:

I have shipped to you
via Wady Petra, a set of 1904
collections. The grasses and
sedges of this region are, I think,
fairly well represented, the rest
of the flora is far from com-
plete, though I collected over
600 numbers. The grasses were
verified by Prof Hitchcock and
the sedges by Prof Wheeler. I did
not have the latter's corrections
till the boxes had gone, so I
enclose labels for corrections.
next year I shall try to collect
the things passed by this year.

Could you spare me 3 or 4
copies of "Yucatan Campsite"?
I shall be ever so much obliged.

I am illustrating *Bouteloua*
for a monograph on the genus
which Dr. Griffiths is preparing.
They make interesting spikelet
drawings. Please let me
know if you receive the plants
safely.

Yours respectfully
Agnes Chase

UNITED STATES DEPARTMENT OF AGRICULTURE,
BUREAU OF PLANT INDUSTRY.

ECONOMIC AND SYSTEMATIC BOTANY.

Washington, D. C., November 20, 1915.

Professor C. F. Millspaugh,
Field Museum of Natural History,
Chicago, Illinois.

Dear Sir:

In the absence of Professor Hitchcock I beg to acknowledge the receipt of your favor of November 17. I think we could probably name your grasses without taking much more time than necessary to write the names. Our collector's index is complete for genera we have worked out only, *Poa* for instance is not yet indexed. Since there will be so many I would suggest that you send them after the holidays or when Professor Hitchcock writes you that we can go at them without delay. We have no space to store collections and you will not want them away longer than necessary. We are finishing up the work on the West Indian grasses just now.

Please address packages to A. S. Hitchcock, Bureau of Plant Industry, Department of Agriculture, and if it is necessary for the Field Museum officials to notify anyone, if they notify Professor Hitchcock it will save the entanglement of our respective red tapes. We are in the Smithsonian building so that the herbarium may be all together but the grass work is under the Department of Agriculture. This is a complicated affair for

UNITED STATES DEPARTMENT OF AGRICULTURE,
BUREAU OF PLANT INDUSTRY.

ECONOMIC AND SYSTEMATIC BOTANY.

Washington, D. C., April 13, 1920.

Dr. C. F. Millspaugh,
Field Museum of Natural History,
Chicago, Illinois.

Dear Dr. Millspaugh:

Your letter of March 30th and the package of plants from Catalina were received in due time. I sincerely hope that your vacation has restored you to perfect health. We are very glad to have the grasses you sent. I am enclosing a list of the identifications. Considering the season of the year, and the not very rich flora of the island anyway, I think it is a very good showing.

Your second letter has just been received.. I shall name the grasses as soon as they come. Professor Hitchcock joins me in the very best wishes to you. I hope the task of moving the herbarium will not be too great a strain on you.

Very sincerely yours,

Agnes Chase

Assistant Agrostologist.

2--Professor C. F. Millspaugh.

outsiders to understand but if any correspondence referring to grasses is sent to Professor Hitchcock not to the U. S. National Museum or National Herbarium I guess we can avoid tangles.

The specimens I still have, 21 sheets, are the Selaginellas I borrowed for Mr. Van Eseltine. He has not yet completed his paper but says he will be ready to return these soon. I am sorry to have kept them so long, and appreciate your patience.

Yours respectfully,

Agnes Chase

Scientific Assistant in Systematic Agrostology.

5403 Reno Road,
Washington, D. C.,

Feb. 11, 1923

Dear Dr. Millspaugh,

After receiving your letter, in which you expressed concern as to the welfare of Prof. Hanausek of Graz, I asked Prof. Hackel if he could give any news of him. I am copying what he says in a letter received a few days ago:

"Prof. Fritsch, sein Kollege, schreibt mir: Hanausek ist der Senior der juridischen Fakultät. Über seine finanzielle Lage konnte ich nur erfahren, dass er aus Gesundheitsrücksichten alljährlich eine Karlsbader Kur gebraucht* und desshalbe, obwohl er nicht ver-

Footnote comment by Prof. Hackel: *Karlsbad in Böhmen ist für uns Österreicher ein sehr teures Bad, da die tschechoslovakische Krone = 2000 Österr. K. ist.

heiratet ist, jedenfalls auswärtige Hilfe im Geld oder Lebensmitteln ebenso gut brauchen kann wie wir alle, die wir unter den derzeitigen Verhältnissen im Österreich leben. Im übrigen scheint sich Hofrat Hanausek ganz wohl zu befinden, ich habe ihn erst gestern im Rektorat gesehen.*** Wenn Sie nach Amerika schreiben, so konnten Sie vielleicht erwähnen, dass ich (er meint wohl das botanische Institut der Grazer Universität) früher in Schriftentausch mit dem Field Museum in Chicago gestande bin und von dort wertvolle Publikationen erhalten habe, dass aber dieser Schriftentausch schon vor dem Kriege aufgehört hat und mir dessen Fortsetzung sehr sehr erwünscht wäre, da der Ankauf wissenschaftlicher Werke oder Zeitschriften aus Amerika bei den derzeitigen valutatischen Verhältnissen unmöglich ist. Vielleicht haben Sie die Güte, Herrn Prof. Millspaugh von dieser Bitte gelegentlich Mitteilung zu machen."

That reminds me of Vienna. Dr. Keissler with his much-patched shoes broken in all directions begged me to secure botanical publications for the herbarium library. After I returned I got a great lot of things from the duplicates in the Dept. of Agriculture library and sent them through the Smithsonian Exchange.

I was very glad that your library bought those two Max. Reise books.

With best wishes,

Yours very truly,

Agnes Chase

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON

ECONOMIC AND SYSTEMATIC BOTANY

February 9, 1926.

Dr. J. F. Macbride,
Field Museum of Natural History,
Chicago, Illinois.

Dear Dr. Macbride:

I am sending you the grasses collected in Brazil on the field trip to which your institution kindly contributed \$150. I have not sent them earlier because I wanted to identify them first and that has taken a great deal of time. The names of which I am uncertain are written in pencil, as well as "affine so and so." Such names will at least permit of distribution somewhere near where they belong. The new species I do not expect to describe until I have finished the revision of North American Paspalum (which I hope will be in about a year.) I plan then to work up the grasses of Brazil as the west Indian grasses were done. The new species will be described in that paper.

Because of limited postal services in this building we are not expected to overload the mails, wherefore the packages are going forward one or two at a time. I hope all will reach you in good condition.

Thanking you for your help,

Sincerely yours,

Agnes Chase

Agnes Chase, Assistant Agrostologist.

Office address: Smithsonian Institution.

Feb. 15, 1926.

Mrs. Agnes Chaso,
U. S. Dept. of Agriculture,
Bureau of Plant Industry,
Washington, D. C.

Dear Mrs. Chaso:

The packages of grasses have been arriving at intervals as predicted in your letter of Feb. 9, and I must say that the Museum has certainly been well repaid for its slight contribution to your trip. The specimens will be distributed in the herbarium and later when you publish on the more critical ones the records, when necessary, can be changed by the cataloger. I'm glad that you were able to have what must have been so successful an agrostological adventure.

I notice that you have, no doubt inadvertently, addressed the packages to me. Packages and correspondence explaining them should be addressed to the Director, Mr. D. C. Davies, when they are intended for the Museum rather than for me personally so that they may receive the necessary notification. If you have not already written Mr. Davies regarding this sending, may I suggest that you do so at once thanking him for the Museum's contribution? Such letters properly phrased may well be a help in getting contributions for the work in the future.

Sincerely yours,

H/V

Personal letter.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON

ECONOMIC AND SYSTEMATIC BOTANY

December 17, 1926.

Dr. J. Francis Macbride,
Field Museum of Natural History,
Chicago, Illinois.

Dear Dr. Macbride:

I have just received your letter of December 15th in regard to duplicates among the Brazilian grasses sent to you. I am greatly puzzled. Do you mean a species is represented by several specimens or are there 2 or more duplicates of a number? Some of the large grasses took 2 or more sheets for a single plant, but I did not intend to send more than one complete specimen of a number. If you have such duplicates I fear packages meant for another institution must have been sent to you. I recall your pile was larger than the others (for grasses), the Field being sent the first set after our own, having contributed somewhat more than the others who received grasses only.

If the duplication referred to means several specimens of a species, there is no mistake. Gray, New York Botanical Garden, Field and Missouri Botanical Garden are the only herbaria (besides this) to receive any of the Brazilian collections. Outside this country I sent to the following:

1. Naturhistorisches Museum, Vienna
2. Jardim Botânico, Rio de Janeiro
3. Botanisches Garten, Berlin

I sent *Aristida* besides, and perhaps a few other specimens, to Dr. Henrard, Rijks Herbarium, Leiden, Holland.

If you have duplicates of a single number (except of large plants) I shall be greatly obliged if you can have the numbers listed--no names necessary--and send the list to me. I shall then find out if these numbers are missing in any of the other sets. I regret exceedingly if there has been such a mistake. I hope the duplication referred to is only of the large

2--Dr. J. Francis Macbride

plants (and there were many of them) where 2, 3 or 4 sheets were required for an entire plant--or in bamboos or Lasiacis only a small part of an individual. So many gigantic grasses are represented by fragments that I made a point of collecting entire plants, but I can understand that others may not share my enthusiasm in this respect.

Sincerely yours,

Agnes Chase

Agnes Chase, Associate Agrostologist.

Office address: Smithsonian Institution.

Re: Agnes Chase
Field Museum Reports Vol. II

Accessions from 10-1-1900 to Sept. 30, 1901

Chase, Mrs. Agnes 5515 Monroe av. Chicago
list -

p. 34

also Chase, V. H. Chi.

Year 1901-1902

Noted in Annual Report of the Director p. 95 that Mrs. A. Chase contributed 190 sheets of "the more interesting plants of the Chicago region."

Accessions of above p. 115

Accessions 1903 p. 195

Accessions 1904 p. 281

Mrs. Chase mentioned in discussion again. Gave 76 sheets of plants of Maryland, D. C. & Virginia

p. 353

Accessions (521) p. 395

Publications:

Chase, Mrs. Agnes 1869 - Eastern Brazil through an agrostologist's spectacles In Smithsonian Inst. An. Report 1926 p. 383-403

Chase - First Book of grasses explained for beginners 3rd Ed. Nat. Smithsonian Inst. 1959 (Mrs. Agnes Merrill Chase)

Hitchcock, Albert Spear 1865-1935 Manual of the grasses of U.S. 2nd Ed. rev. by Agnes Chase U.S. Gov. Print. Off. 1950

Re: Agnes Chase
Field Museum Reports Vol. II

Accessions from 10-1-1900 to Sept 30, 1901

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Accessions of above p. 115

Accessions 1903 p. 195

Accessions 1904 p. 281

Mrs. Chase mentioned in discussion again. Sent 56 sheets of plants of Maryland, D. C. & Virginia

p. 335

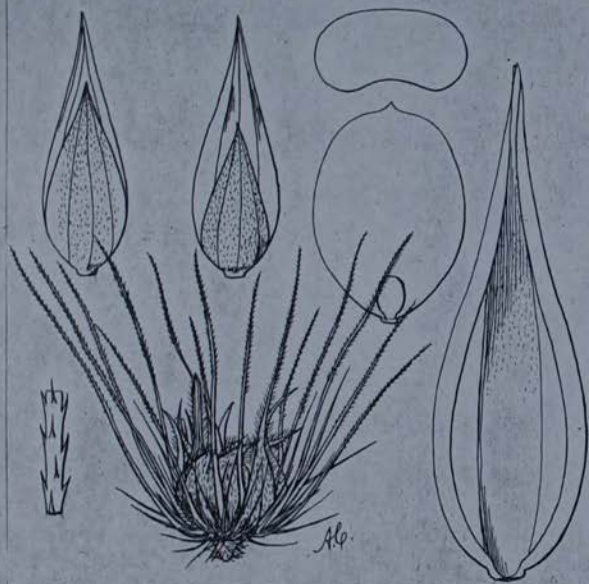
Accessions (561) p. 395

Publications:

Q 11
S 6a
1926 Chase, Mrs. Agnes 1869 - Eastern Brazil through an agrostologist's spectacles In Smithsonian Dict. An. Report 1956 p. 383-403

Q 1K
499
G 4 Chase - First Book of grasses explained for beginners. Wash. Smithsonian Dict. 1959 (Mrs. Agnes Russell Chase)

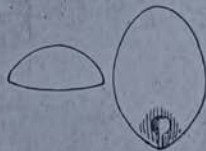
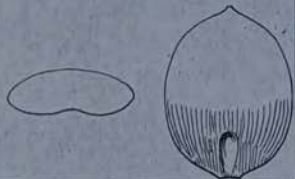
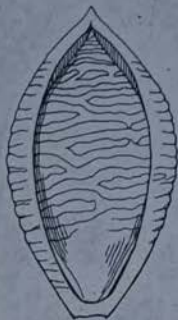
Q 1K
499
G 4 Hitchcock, Albert Spear 1865-1935 Manual of the grasses of the U.S. 2nd Ed. rev. by Agnes Chase & U.S. Gov. Print. Off. 1950



Schantz 498 *Cynchrus pallidus*

(det. 100)
 spike 13 x 15 mm
 spikelet 5 x 15 mm
 fruit 5 x 15 mm
 seed 2.1 x 1.5 mm
 palea straw-colored, brown
 at base
 fruit glumes wanting

Y50



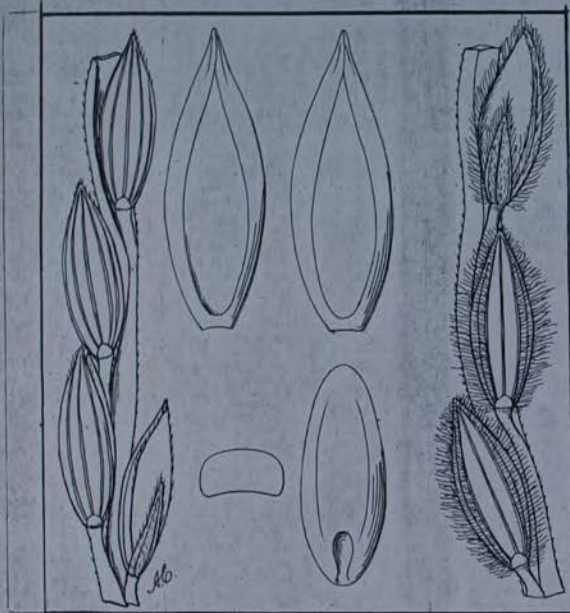
see fruit of 592 in packet for markings

592 *Panicum canthaginiense* Sw.

spikelet 4 x 1.9 mm
 fruit 3 x 1.6 mm, glumes pale & translucent, unmarked
 carpels 1.6 x 1.2, outer brown (color of green)

593 *Panicum columbianum* L.

spikelet 2.6 x 1.4 mm pedicels 15 mm
 fruit 2.3 x 1.1 mm, beaked on the dorsum
 carpels 1.4 x 9 mm ^{translucent} white

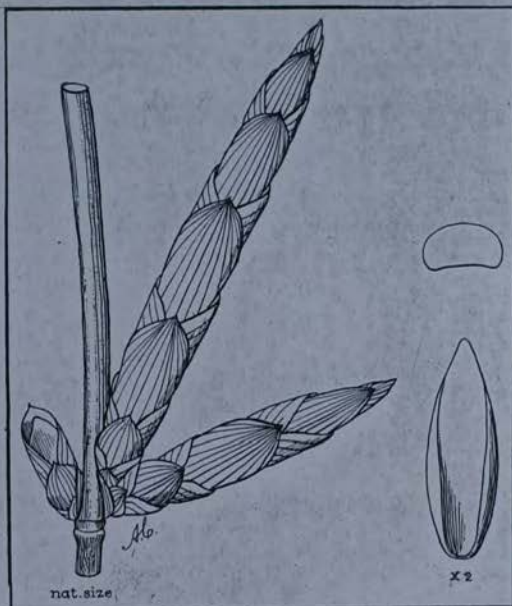


1029 *Syntherisma sanguinalis*
Syntherisma sanguinalis (L.) Bedd.

Spikelet { 3.4 mm x 1.2 mm frimbriate
 " " 1.1 mm ent "

fruit 2.5 x 9 mm pale or ashy brown
 seed 2.1 x 8 mm, translucent, suffused white

1039 *Syntherisma* bearing from two branches of one when
 spikes with frimbriate and densely pubescent
 spikelets, respectively.



41150 *Guadua latifolia*
Guadua latifolia Kunth

Spike 30-60 mm x 6 mm
 floret

seed 10.5 mm x 3.5 mm