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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.

Washington Agricultural College
and
School of Science.

11-6-07.

Pullman, Wash., Oct 28¹ 1901.

Mr. Carleton R. Ball,
Department of Agriculture,
Washington, D.C.

My Dear Mr. Ball:-

If I can find time to day I shall put up for you a nearly complete set of the willows of this region mostly collected during the last season and including specimens of *Salix bella* from the type trees. I am not sure that I have any *Subcoerulea* but if I find any will include it. I shall be away from the College beginning tomorrow for two weeks and it is possible I may not find time to day to put up the package for you. If so expect it in about a fortnight, I shall be pleased to receive the set of Southern and District Columbia specimens of which you speak.

Yours truly,

C. R. Piper

Didn't find time today to put up the pkg.
CRP

Washington Agricultural
Experiment Station.

1-18-02

ENOCH A. BRYAN, Director.
CHAS. V. PIPER, Botanist and Entomologist.
ELTON FULMER, Chemist.
WM. J. SPILLMAN, Agriculturist.
S. W. FLETCHER, Horticulturist.
SOTUS B. NELSON, Veterinarian.
E. E. ELLIOTT, Assistant Agriculturist.

DAVID A. BRODIE,
Supt. Puyallup Station, Puyallup, Washington.

Pullman, Wash., Jan 1 1902.

Dear Mr. Ball:—

I am sending you
today by express a package of willows.
I shall be pleased to receive such
status as you care to make in any of
the members. Happy New Year!

Yours Truly,

Chas. V. Piper

Digitized by Hunt Institute for Botanical Documentation

from C.V. Piger

UNITED STATES DEPARTMENT OF AGRICULTURE,
BUREAU OF PLANT INDUSTRY.

P. H.
FORAGE-CROP INVESTIGATIONS

Washington, D. C., July 19, 1916.

Mr. C. R. Ball,
C/o L. C. Aicher,
Aberdeen, Idaho.

My dear Ball:

I am wondering, in view of what has recently occurred in the Office of Cereal Investigations, whether you are contemplating a transfer or not. Please do not understand that in what I am writing I am urging any such thing, but if you do feel that it will be necessary for you to transfer to some other line of work, I should be glad if you would consider either one of two openings which we have in this office. Without going into details, one of these positions would be in connection with the forage crop work in the South. Professor Tracy is getting to be an old man, and with the development of interest in livestock in that section we need to push the work much more than has been possible.

The other vacancy is that of range investigations. As you doubtless know, Doctor Griffiths will confine most of his activities to the bulb work, although he will continue for a time at least in his cactus investigations. The range problem as I see it has two rather attractive phases - first, the searching out and introducing of pasture grasses that will spread naturally and thus improve the range, and second, the agronomic problem of seeing what can be done towards increasing the carrying capacity of tame

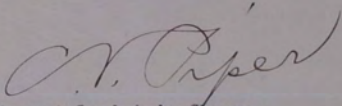
C.R.E. - #2

pastures in various parts of the West. This latter work would in the main have to be carried on at Bureau or state stations already established. Write me frankly about the matter and whatever you have to say will be held strictly confidential.

In regard to the source of my information, I may say that Mr. Carleton some days ago told me the whole story from his viewpoint. I imagine of course that your own story is quite different. But regardless of that, I am writing you of the possible chances in this office. I should like to know fairly definitely as we need to add two or possibly three men to the staff of this office, and want to act as promptly as possible.

With best regards,

Yours sincerely,



Agrostologist in Charge.

August 2, 1916.

Prof. C. V. Piper,
Forage-crop Investigations,
Dept of Agric.

Dear Professor Piper:-

Your kind letter of the 19th ultimo has been forwarded to me from Aberdeen, Idaho. I very much appreciate the offers included therein. Were I considering a transfer of activities at this time, either would appeal to me very strongly. My 6 years of field experience in the South has given me a fair knowledge of both conditions and needs in that section. My longer experience in the West has taught me the immensity and difficulty of the range problem and shown me something of its opportunities. I believe I could do profitable work in either line, tho I would probably choose the latter, as I am of the West western.

However, I have no immediate intention of transferring. I have a very large and interesting series of problems in wheat to which I wish to devote more time. The classification is coming on splendidly this season, tho the horizon broadens steadily. I am sure now that I can publish therein this winter. I have over 70 varieties described out here and the number increases daily. At present there seems no reason why I should not continue in my present lines so that I do not care to consider either of the positions you mention. I would like to discuss these and some other matters with you, however, either out West or in W- during Sept. With kind regards.

The Government of the
Province of British Columbia.

Office of Provincial Museum.

Victoria March 4, 1924.

omit
Prof. C.V.Piper,
Agrostologist in Charge
U. S. Dept of Agriculture,
Bureau of Plant Industry,
Washington, D.C.

Dear Prof. Piper:

I bet to acknowledge the receipt of your letters of February 21st and 26th to Mr. W.R.Carter of this Department, also the Castilleja which arrived in good condition.

omit
For your information I may say that Mr. Carter is no longer with me, he lost his wife last fall after you were here, and it appeared to take the heart out of him, so he resigned and I hardly know yet what he will do, whether he will go into some other occupation here or go back to England. However, I wish to thank you for your kindness in attending to the specimens sent for this Department, also for the trouble you have taken in having Dr.Ball report on the Willows.

Digitized by *omit* With your kind permission we will send you a number of plants from time to time for determination, but I wish you to understand that when these plants are sent we are not in any great hurry to have you go over them, and therefore you can do them at your leisure.

We would be pleased to have the two specimens of Willow you mention returned (#6466 and #6468) as these are the only two we have of these species and Mr. Anderson the collector was enquiring for them yesterday. Mr. Anderson will endeavor to get some specimens for you some time this year, as he expects to be in Paradise Valley later on.

Paradise Valley, about which you enquired is in the East Kootenay Division, the lower end of Windermere lake in the Selkirk Range of mountains, headwaters of Toby Creek, altitude 7,300', Lat. 50.25N., Long. 116.50W.

Hoping you are enjoying the best of health, with kindest regards.

Yours sincerely,

F.Kermode
Director.



COPY FOR DR. C.R.BALL

Willows of British Columbia

Nov. 19, 1924.

Prof. C. V. Piper,

Forage-Crop Investigations.

Dear Professor Piper:

Your letter of Nov. 17 with package containing three willows from British Columbia is received, and I am returning the specimens herewith. One of them, No. 7271, is the ordinary scouleriana; the second, No. 7270, is the form with very small aments and elliptical crenate-serate leaves, in this case rather broader than the average. This is a common form of the Puget Sound area. The third specimen containing Nos. 3059 and 7180 collected by W. B. Anderson at Clearwater Lake in the northern portion of Yale County, British Columbia, on June 15, 1924, contains staminate and pistillate material of Salix Barclayi, apparently from a relatively high elevation, though this is not stated.

I am much interested in the proposed flora of the Priest Lake district which Prof. St. John is fostering. I shall presently be working on that material again. Just now I am cleaning up a few rush jobs which have accumulated during my absence. I just received a large collection from Prof. Abrams from Stanford and some of his assistants who collected this summer northward from northern California to southeastern Washington and up the Columbia as far as Wasco County, Oregon. I am having this material sorted out by localities today and will be glad to have you drop in and take a look at it before I finish working with it, as it covers areas with which you are very familiar and which are extremely interesting botanically. There are several specimens of fluviatilis from Sauvie's Island near the mouth of the Willamette.

Very sincerely yours,

G. R. Ball,
Senior Agronomist in Charge.

W. G. S. H.

PeL

December 29, 1925.

Dr. C. R. Ball,

Cereals.

Dear Ball:

I am helping St. John in a revision of the Flora of Washington.
There are several questions about *Salix* I want to know.

First, will you give me a list of Washington specimens you have of
the following species? subcoerulea; monochroma; pseudomonticola.

What is *Salix dieckiana* of Sukasdorf?

What is your present attitude towards ^{the} *Salix scouleriana*? complex?

It seems to me that at least one well-marked variety ought to be recognized.

With best regards,

Yours sincerely,

C. V. Piper
Senior Agronomist
In Charge of Forage Crop Investigations

Washn

January 12, 1926.

Dr. C. V. Piper,

Forage-Crop Investigations.

Dear Doctor Piper:

In partial reply to your letter of December 29, asking for lists of Washington specimens of *Salix* species, I am glad to submit the following:

Salix monochroma Ball

Pullman. Piper 3598, Elmer 111.

Salix pseudomonticola Ball

Mt. Rainier National Forest. By streams, Longmire's, Flett, May 9, 1920; Bear Prairie near Longmire's, Flett 3, May 21, 1920; Okanopescosh Hot Springs, Flett, July 25, 1919. (These specimens ~~have~~ young flowers without foliage and the identification is not absolute. However, I cannot assign them to any other species).

Salix subcoerulea Piper

Spokane County, Bank of Latah Creek, southeast of Spangle. Suksdorf 8638, 8639, 8640, May 15 and July 20, 1916. (All these specimens have leaves either very thinly sericeous or glabrate and two of them have very narrow and acute leaves. The flowers are typical of this species).

The material on which Suksdorf based his *Salix dieckiana* I had previously determined as *pedicellaris*. He evidently decided there were distinguishing characters. I have never studied his description but will do so and examine the material again in the light of the description.

Very sincerely yours,

Carleton R. Ball,
Senior Agronomist in Charge.

CRB/AJM