

Halls' Plantae Oregonensis.

Panicum dichotomum, L.

Panicum scoparium Leam.

P. pauciflorum Gray humb (Ell?)

P. macrocarpon, Torr. Fl.

I have gone ~~of~~ over this plant at intervals of several years & can't help thinking the synonymy is correct. It like P. dichotomum has a different aspect when its branches or produces a new crop. The plant of your manual; at any rate the specimen contributed by you to my herb. is a weak form. The typical scoparium, grows in Conn. & is Torr's species designated. There is a very distinct change - seen in the perfect flower which seems to have escaped notice. At the base of the lower palea is a distinct fold or rudiment; the palea is somewhat dull & when strongly magnified is punctilobate (striate)

(i) Stipa occidentalis, Thurb. Watson Bot. humb  
Parallels. p. 380

(a) Alopecurus pratensis L.

A slender form like that collected in California by Bolander.

(g) Vilfa depauperata, Torr.

This has the short obtuse glumes of V. depauperata, but occasional florets have the long pointed points of V. cuspidata. It is possible

that these two species will have to be united. 2

(n) Sporobolus cryptandrus Gray.

(l) Agrostis Aequivalvis Trin  
A. Hillebrandii Thurb. in Bolund. bot.

A very attenuate form & pale green form of this I gave the provisional name of A. Hillebrandii - In going it over again for Brewers Report I made it A. aequivalvis of Trin though the palelets are not quite equal. Now comes this which is more like Trin's description as to habit but is less "aequivalvous". Knowing how the upper palelets of Agrostis will cut up (& down) on the N.W. coast I don't attach much value to that. The very conspicuous rudiment is the same in both.

(x) Agrostis alba L.

(b & f) Agrostis Aparata Trin - of which there are as many forms as there are specimens.

(c) A. Aparata - long-armed

(e & d) A. Canina L.

(i) Poa Stepantha Trin  
P. leptocoma Trin & I think  
distincta Herron Hook as you suggest - I have never seen Hooker's plant.  
- Trin says of florets "basi subbarbulatis".  
White Virenschick (Hort. Rossica) "variegata copiosa"

(L.) Melica paucoides Nutt.

A much reduced form, assuming very puzzling shapes. I am not sure but this & M. imperfecta Trin (M. panicoides Nutt) will have to be united. ~~There is mixed with this a specimen with glumes only.~~

(M) Lophoclaena deflexa Robt.

- quite distinct -  
I have none of Bolander's sold sets & I do not recollect what I called Melica aristata - I have no such Melica in my herb & no notes on it - some mistakes here.

Danthonia spicata

The common California form.

Danthonia californica Bol.

Aira latifolia Hook

Aira elongata Hook

A. danthonioides Trin

of them two you say "quite the same are they not"? I don't think I have seen any specimens which make me doubt to which one of them to refer them. The habit is so different - glumes in Danthonia so small longer, the different shape & texture of the glumes, the longer, stronger & geminate are seen to me sufficient to separate

(t) Bromus racemosus L.

(s) Bromus subulatus Griseb.

Have not seen this before - I  
take your two !! to mean that  
you have compared it with the  
original spec. twice?

(t (twice) + u) Both forms of  
Bromus (Ceratochloa) cariniatus

Hook. I have only a spikelet  
of authentic spec. - which is a  
very young one + less pulchre

(v) "What is this?"

Some delapidated Bromus.  
Probably B. breviaristatus Hook?

(c) Festuca ~~from~~ Myurus - var.  
You marked this "bromoides" the  
two species cannot be kept apart.

(o'). Festuca microstachys Nutt

(o) do do - var ciliata

(p) do do var clavigera Torr.

I think this is an European species  
near delicatula Lag -

(v) F. ovina L.

(X) ~~Festuca rep~~  
"Triticum repens, slender"

or I suppose, but how can one tell  
some forms of *T. repens* & *T. caninum*  
apart without the roots?

Elymus sibiricus L.

2 forms.

(2) *Hordeum jubatum* (3) (with  
unless this is a stunted state  
of this I don't know what  
to call it.

(4) *Elymus condensatus* Presl  
a narrow form of this most  
variable grass.

Plant sent in letters  
from. In some cases again in  
the shape of a very hairy *T.*  
*microstachya* very nearly the  
same as *Bolindus* No 37 - of his  
old sets.

Hall's Harbour

021

- 2 *Blattaria* *sericeus* see notes
- ! 3 *Stenobothrus* *medicus*
- ! 4 *Carabus* *agrestis* *subnotatus* *Fries*
- ! 5 *Tenebrio* *subopacatus* *Gebl.*
- ! 6 *Pezomachus* *brunneus* *Gebl.*
- ! 7 *Stenobothrus* *medicus* *Fries* = *Stenobothrus* *medicus* *Fries*
- 8 *Stenobothrus* *medicus* *Fries*
- 9 *Stenobothrus* *medicus* *Fries*

630 *Hydrophilus* *pubescens*

- 1 *Vespa* *tricornis* *Fors.*
- 2 *Halictus* *viridis* *Fors.*
- 3 *Halictus* *caeruleus* *Fors.*
- 4 *Oxygaster* *micromus* *Fries*
- 5 *Stenobothrus* *medicus* *Fries*
- 6 *Stenobothrus* *medicus* *Fries*
- 7 *Stenobothrus* *medicus* *Fries*
- 8 *Stenobothrus* *medicus* *Fries*
- 9 *Stenobothrus* *medicus* *Fries*

640 *Stenobothrus* *medicus* *Fries*

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657 2 spp. near *E. condensatus* Persl

- 5. *Festuca repens* var -
- 6. *Festuca dactyloides* Turcz. mixed with *L. repens*
- 7. *Festuca ~~dactyloides~~ Turcz. repens* var -
- 8. *Hordeum* ~~sp.~~ *emula* L.
- 9. *Stipa* ~~sp.~~ *acutoides* -

660 *Poa* ~~sp.~~ *repens* L. var -

- 1. *Poa repens* L. var - *repens* L. var - *repens* L. var -
- 2. *Poa* ~~sp.~~ *repens* L. var -
- 3. *Poa* ~~sp.~~ *repens* L. var -
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- 50. *Poa* ~~sp.~~ *repens* L. var -

680 *Poa* ~~sp.~~ *repens* L. var -

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