Dr. Ivan Johnston,
The Arnold Arboretum,
Harvard University,
Jamaica Plain, Mass.

Dear Doctor Johnston:

Enclosed is the list of names of the grasses received from you some time ago. We are delighted to have these grasses. No. 7132 is a species new for North America. I have referred it tentatively to Sporobolus phleoides Hack. from Cordoba, Argentina. The type of this in the Hackel Herbarium consisted of three panicles only, not a leaf present. It is a Stuckert specimen and I understand the Stuckert grasses sent to Hackel were all returned to him except the fragments that Professor Hackel kept. The Stuckert grasses were deposited in the Delessert Herbarium in Geneva, but when I was there in '22 Dr. Briquet said that Stuckert had left strict orders that the cases were not to be opened. The panicle and spikelets are very like yours, but two collections from Argentina with the same kind of panicle have a base somewhat different from yours. In any case it is a wonderful find. The species will be worked out definitely for your Flora.

No. 7358 is an over mature specimen of Bouteloua that does not fall into any species of Bouteloua. Mr. Swallen has done the Chlorideae for the North American Flora and has Bouteloua well in mind. He hesitated to send this in as an addition to his manuscript because the specimens are well past maturity. We hope on your next trip that you may be able to collect this species again.

I was delighted to see Muhlenbergia repens from Mexico. The type was collected in Mexico, and, so far as we know, the species has never since been found south of the United States.

You see what a thrilling lot of grasses you sent us. We are eagerly awaiting results of your next trip.

Sincerely yours,

Agnes Chase, Senior Botanist
Office address: Smithsonian Institution
Collector: Ivan M. Johnston
Place: Mexico
Date: Jan. 17, 1939

7010. Sporobolus wrightii Munro
7017. Triodia texana S. Wats.
7041. " albescens Vasey
7043. Aristida adscensionis L.
7047. Pappophorum bicolor Fourn.
7091. Triodia mutica (Torr.) Scribn.
7117. Bouteloua barbata Lag.
7132. Sporobolus phleoides Hack.?
7170. Panicum hallii Vasey
7171. Bouteloua trifida Thurb.
7172. Muhlenbergia porteri Scribn.
7174. Triodia mutica (Torr.) Scribn.
7200. Bouteloua breviseta Vasey
7249. " hirsuta Lag.
7250. Lycurus phleoides H.B.K.
7251. Hilaria cenchroides H.B.K.
7252. Triodia acuminata H.B.K.
7288. Muhlenbergia dubia Fourn.
7289. " rigida (H.B.K.) Kunth
7290. Sitanion hystrix (Nutt.) J. G. Smith
7291. Aristida curvifolia Fourn.
7296. Stipa tehuissima Trin.
Stipa neomexicana (Thurb.) Scribn. 2nd collection from south of U. S.; the other received recently.

Bouteloua uniflora Vasey (second from Mexico)

Stipa editorum Fourn.

Muhlenbergia arenicola Buckl.

thurberi Rydb.

Triodia pulchella H.B.K.

Bouteloua possibly new.

Stipa editorum Fourn. Panicle of S. eminens & many florets of that on the sheet (S. eminens has more open panicle, larger fruits, longer awns)

Sporobolus wrightii Munro

Leptochloa dubia (H.B.K.) Nees

Bouteloua gracilis (H.B.K.) Lag.

Muhlenbergia arenicola Buckl.

Aristida hamulosa Henr.

Andropogon perforatus Trin.

Muhlenbergia tenuifolia (H.B.K.) Kunth

Panicum obtusum H.B.K.

Sporobolus pyramidatus (Lam.) Hitchc.

Buchloë dactyloides (Nutt.) Engelm.

Leptochloa fascicularis (Lam.) A. Grey

Aristida barbata Fourn.

Eragrostis diffusa Buckl.

Bouteloua simplex Lag.

gracilis (H.B.K.) Lag.

Muhlenbergia repens (Presl) Hitchc. the long-awaited collection from Mexico, whence described. Not since found there until this.
3—Ivan M. Johnston

7615. Muhlenbergia thurberi Rydb.
7642. " "

7697. Bouteloua breviseta Vasey

7786. Eragrostis arida Hitchc.
7787. Sporobolus pyramidatus (Lem.) Hitchc.
7788. Hilaria mutica (Buckl.) Benth.

7816. Cottesia papphoroides Kunth

7863. Panicum fasciculatum var. reticulatum (Torr.) Beal


7876. Pappophorum wrightii S. Wats.


7879. Andropogon barbinodis Leg.


7938. Muhlenbergia arenicola Buckl.

7971. Bouteloua parryi (Fourn.) Griffiths

7992. Panicum hirticaule Presl
Johnston, Ivan M and Chase, Agnes. 1938. "List of Mexican Grasses." *Plant lists: Argentina, Chile, and Mexico*

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