

Specimens of the small white and small black *Hygrophorus*, of *Amanita cariosa* (Fr.) Gill., and of *Tricholoma ustale* Fr. were given to Dr. W. G. Farlow of Cambridge, Massachusetts.

BROOKLINE, MASSACHUSETTS.

THE RECENT TREATMENT OF PANICUM COMPARED WITH THAT IN GRAY'S MANUAL.

WALTER DEANE.

DURING the revision of the genus *Panicum* in my Herbarium I have been making a most interesting comparison between the species and varieties treated in Gray's Manual, 7th ed., 1908 (in which the *Gramineae* were revised by Prof. A. S. Hitchcock) and the corresponding forms from the same geographic area as treated in the recent work by Prof. Hitchcock and Mrs. Agnes Chase, *The North American Species of Panicum*, published in Washington in 1910. In the latter work there are some changes in synonymy, several species and one variety have been added, and a few other changes have been made. These have been remarkably few considering the number of species involved and the extent of the area included. Careful search will doubtless disclose other species within our limits.

In the Gray's Manual there are 74 species (*P. tenue* Muhl. not being numbered) and 4 varieties of *Panicum*. In *The North American Species of Panicum* there are 91 species and 5 varieties recorded from the same region.

Mrs. Chase has suggested to me that the readers of RHODORA might be interested in these changes. I append a list, which has been kindly examined by Prof. Hitchcock and Mrs. Chase, including all additions, changes in synonymy, elimination of species, etc. Each species or variety is preceded by its number as occurring in Hitchcock and Chase's work. After additional species the Manual stations are given in which they occur, and also the natural group in which the species belongs.

	Treatment by Hitchcock and Chase, 1910.	Treatment in Gray's Manual, 7th edition, 1908.	Group (stated only in case of additions).
13	<i>P. adspersum</i> Trin. Ballast plant in Pennsylvania and New Jersey.	Omitted as not sufficiently established.	<i>Fasciculata</i> .
24	<i>P. barbipulvinatum</i> Nash. Illinois, Wisconsin and Minnesota. ¹		<i>Capillaria</i> .
44a	<i>P. virgatum cubense</i> Griseb.	<i>P. virgatum</i> L., var. <i>obtusum</i> Wood.	
46	<i>P. amarum</i> Ell.	<i>P. amaroides</i> Scribn. & Merr.	
47	<i>P. amarulum</i> Hitchc. & Chase.	<i>P. amarum</i> [but not of Ell.]	
56	<i>P. rhizomatum</i> Hitchc. & Chase. Virginia.		<i>Agrostoidia</i> .
62	<i>P. hians</i> Ell.	<i>Steinchisma hians</i> (Ell.) Nash.	
100	<i>P. calliphyllum</i> Ashe. Massachusetts, New York, Ohio. <i>P. Bicknellii</i> and this species are the only ones comprised in this group.		<i>Bicknelliana</i> .
103	<i>P. nitidum</i> Lam. Virginia, Missouri.		<i>Dichotoma</i> . " <i>Eudichotoma</i> " of Manual.
107	<i>P. Clutei</i> Nash. Massachusetts to Virginia	Included under <i>P. mattamuskeetense</i> Ashe.	
112	<i>P. roanokense</i> Ashe. Virginia.		<i>Dichotoma</i> .
113	<i>P. caeruleascens</i> Hack. New Jersey, Virginia.		<i>Dichotoma</i> .
120	<i>P. wrightianum</i> Scribn. New Jersey.		<i>Spreta</i> .
122	<i>P. albemarlense</i> Ashe. Coastal Plain, Massachusetts to Virginia; Indiana, Michigan.	Included under <i>P. auburne</i> Ashe.	

¹ Localities are mentioned in this table merely to show occurrence, within the Manual limits, of species not hitherto recorded from the region. The changes of range indicated in the recent revision and relating to species already known from the Manual region are too numerous for record here. The subdivisions of the genus are closely similar in the two treatments. It may be noted that no. 148, *P. oricola* Hitchc. & Chase, placed in the Manual among the *Lanuginosa*, has been in the later treatment referred to the *Columbiana*.

136	<i>P. languidum</i> Hitchc. & Chase. Maine, Massachusetts, New York.		<i>Lanuginosa.</i>
138	<i>P. pseudopubescens</i> Nash.	<i>P. ovale</i> [but not of Elliott, whose plant is confined to the S. Atlantic and Gulf States].	
149a	<i>P. sphaerocarpon inflatum</i> (Scribn. & Smith) Hitchc. Maryland, Missouri.	Included under <i>P. sphaerocarpon</i> Ell.	
153	<i>P. albomarginatum</i> Nash.	<i>P. tenue</i> [but not of Muhlenberg, whose plant is confined to North Carolina and Florida.]	
169	<i>P. malacophyllum</i> Nash. Missouri.		<i>Oligosanthia.</i>
170	<i>P. helleri</i> Nash. Missouri.		<i>Oligosanthia.</i>
182	<i>P. cryptanthum</i> Ashe. New Jersey.		<i>Scoparia.</i>
186	<i>P. joorii</i> Vasey. Virginia.		<i>Commutata.</i>
192	<i>P. obtusum</i> H. B. K. Missouri.		
193	<i>P. hemitomum</i> Schult. [The last two are placed in miscellaneous ungrouped species].	<i>P. hemitomum</i> Schultes.	

CAMBRIDGE, MASSACHUSETTS.

OBSERVATIONS ON SOME PLANTS OF EASTERN CONNECTICUT.

R. W. WOODWARD.

THE following notes refer, with a single exception, to plants from Franklin, a town in eastern Connecticut, about twenty miles north from Long Island Sound. All have been verified at the Gray Herbarium, and specimens of most of them have been deposited there.

Carex umbellata Schkuhr, var. *brevirostris* Boott. Toward the close



Deane, Walter. 1911. "THE RECENT TREATMENT OF PANICUM COMPARED WITH THAT IN GRAY'S MANUAL." *Rhodora* 13, 66–68.

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