

LITERATURE CITED

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CHROMOSOME COUNTS FOR PASPALUM¹

DONALD J. BANKS

I have made some additional chromosome counts during my studies in the genus *Paspalum*. None of the counts for the taxa reported herein, except *P. laeve*, are recorded in the Chromosome Atlas (Darlington and Wylie, 1955) or in the Index to Plant Chromosome Numbers (Cave, 1956-1962). My counts of $n = 40$ for *P. laeve* are different from $2n = 40$ which was reported by Brown (1948).

The counts were made from pollen mother cells squashed in aceto-carmin after fixation in alcohol-acetic acid (3:1). Photomicrographs were made of cells with chromosomes distributed so that they were countable. Drawings, made by tracing enlargements of the photomicrographs, are presented in Figures 1-5.

¹Contribution No. 55 from the Stephen F. Austin State College Department of Biology. Part of this work was done at the University of Texas Department of Botany while I was a National Science Foundation research participant during the summer of 1963. Thanks are due Dr. W. V. Brown for providing facilities during the research period.

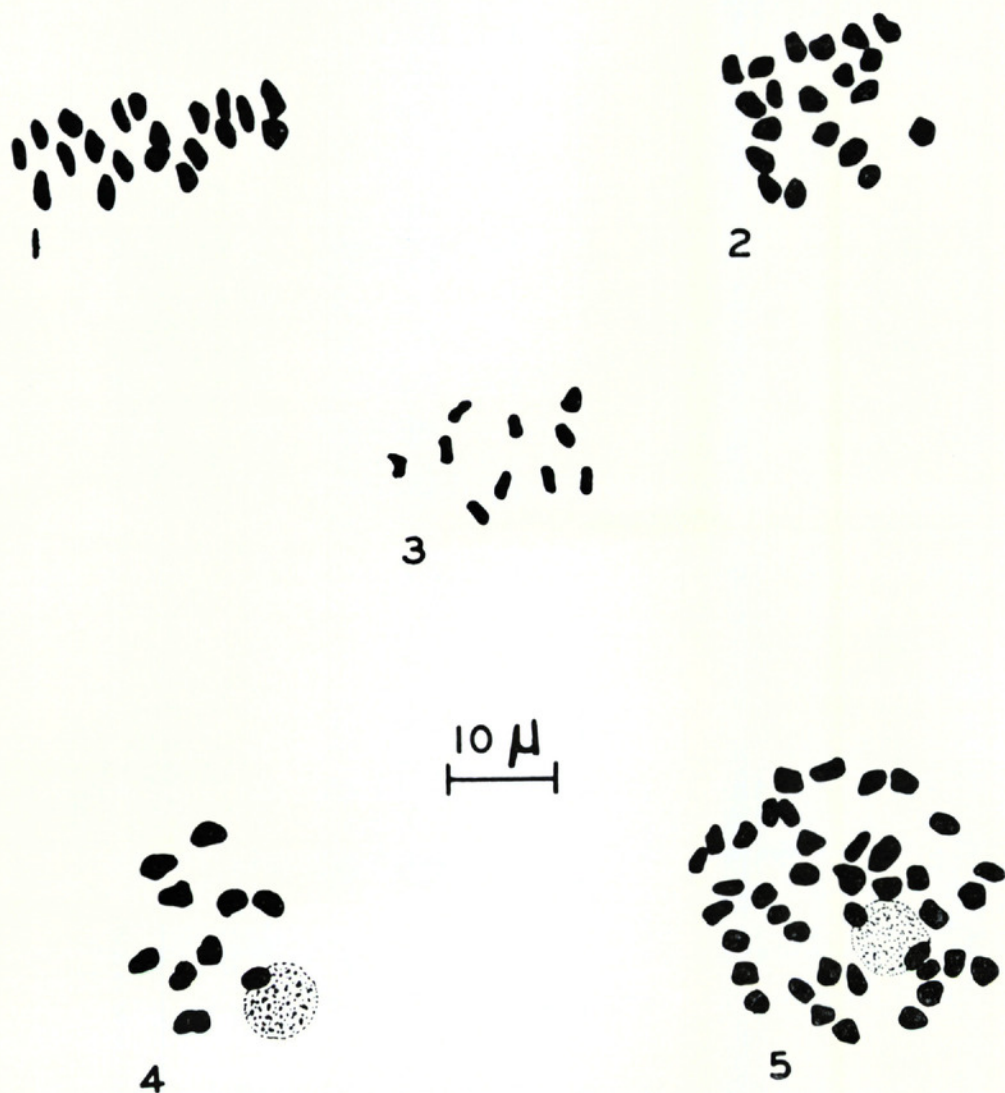


Fig. 1-5. Meiotic chromosomes of species of *Paspalum*. Fig. 1. *P. blodgettii*. Fig. 2. *P. caespitosum*. Fig. 3. *P. fimbriatum*. Fig. 4. *P. fluitans*. Fig. 5. *P. laeve*.

The voucher specimens are deposited in the Herbarium of Stephen F. Austin State College. The chromosome numbers obtained are presented below:

Species	Voucher Specimen	<i>n</i>
<i>P. blodgettii</i> Chapm.	FLORIDA: Dade Co., 3.2 miles s. of Florida City, Banks 1246	20
<i>P. caespitosum</i> Flügge	FLORIDA: Collier Co., 6 miles n. of Rock Island, Banks 1198	20

<i>P. fimbriatum</i> H. B. K.	FLORIDA: Monroe Co., Plantation Key, <i>Banks</i> 1223	10
<i>P. fluitans</i> (Ell.) Kunth	TEXAS: Nacogdoches Co., 5 miles s. and 7.2 miles e. of Cushing, <i>Banks</i> 1910	10
<i>P. laeve</i> Michx.	GEORGIA: Clarke Co., Athens, <i>Banks</i> 1053	40
	TEXAS: Nacogdoches Co., Stephen F. Austin Ex- perimental Forest, <i>Banks</i> , 1913	40

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