Table 2. Number of offspring produced. Mating: $\frac{3\ ♀\ +}{Cy\ Amy^1}$ x $\frac{3\ ♂\ +}{Cy\ Amy^1}$

Mating type ♀	♂	No. of crosses	No. of flies	Av.	Mating type ♀	♂	No. of crosses	No. of flies	Av.
Origin of populations (T x T)									
1,3/1	1/1	62	5442	87.77	1/1	1/1	129	9293	72.03
1,3/1	1,3/1	145	12031	82.97	1/1	1,3/1	54	4230	78.33
Total		207	17473	84.41	Total		183	13523	73.89
Origin of populations (W x W)									
1,3/1	1/1	93	7411	79.68	1/1	1/1	115	7356	63.97
1,3/1	1,3/1	143	11545	80.73	1/1	1,3/1	104	7232	69.53
Total		236	18956	80.32	Total		219	14588	66.61
Origin of populations (T x W)									
1,3/1	1/1	135	11108	82.28	1/1	1/1	110	8145	74.04
1,3/1	1,3/1	133	11995	90.18	1/1	1,3/1	106	7905	74.58
Total		268	23103	86.20	Total		216	16050	74.30

Alexandrov, I. D. Mira st. 9, ap. 37 Obninsk-I, Kaluga Region, USSR. Comparative mutability of wild-type alleles at the specific loci in D. melanogaster.

γ -irradiation-induced mutability of the loci y^+, w^+, b^+, cn^+ and vg^+ in post-meiotic germ cells of the males from a mass-bred wild-type stock, "D-18", was studied. The methodical details of the detection, classification and analysis of the mutants have been described previously (DIS 44). Altogether, 1161 males were irradiated and 66,614 F_1 females and males were examined among which 121 mutants were found.

The results are shown in table 1. The overall mutation frequencies include cases of mutant F_1 females and males which were inviable, sterile or lethal. Point mutation frequencies include cases of mutants which were kept in stocks. The first and the second broods represent all sperm and spermatids, respectively.

Table 1

Brood	Mutations	Mutation frequencies in loci (x 10^{-7}/r) y	w	b	cn	vg
First	Overall	.59	1.49	.34	.88	1.52
	Point	.29	.59	.04	.14	.34
Second	Overall	-	4.09	.63	1.59	2.71
	Point	-	1.88	.15	.15	.15

In the table 2, the average point and overall mutation frequencies of those loci for all post-meiotic stages germ cells of the males from two studied wild-type stocks "D-32" and "D-18" are compared.

Table 2

Stocks	Mutations	Mutation frequencies in loci (x 10^{-7}/r) y	w	b	cn	vg
D-32	Overall	.34	1.81	.19	1.00	2.52
	Point	.14	.21	.07	.37	.37
D-18	Overall	.45	2.12	.41	1.05	1.80
	Point	.25	.91	.07	.15	.30