Current designation	New equivalent	Position of left inversion-point	Position of rt inversion-point
C1B	In B	Between ec and bi	Between sy and fu
d1-49	In D	No new data(near rg)	No new data(fw-g)
sc ⁸	In E	Botween ac end sc	To rt of bb
y sc ⁴	In F	Between ac and rst	Between cr and bb
bb-deficiency*	In O	Between rb and rg	To rt of cr
roughest	In R	Uncertain	Uncertain
sc ⁷	In S	Unknown	Between fa and
y ²	In Y	Between y and ac	
*Of Dobzhansky, not of Gershenson. The latter is "F-E" on our terminology.			

In D and In S have not given single crossovers in any of our experiments. In R is a long inversion, which gives crossovers with several of the others; it is, however, complicated by the presence of a 1-3 translocation, with proba-

bly at least three points of breakage in X. The analysis is

still incomplete.

The following crossovers have been obtained and studied: B-O; B-Y, E-F, E-Y, F-E, F-Y, O-Y, R-E, R-F, R-O, Y-E and Y-F. Others can presumably be produced, though several of them (such as Y-B) are known to be inviable.

These studies are being continued, with the object of attacking problems concerning crossing-over, disjunction, and the somatic effects of duplications and deficiencies.

Breakage point in x-chromosome for Blond-translocation (T1-2). M. Demerce - A certain proportion of offspring from crosses with Blond are deficient for the yellow end of the x-chromosome from the point where the breakage occurred to the end of the chromosome. These flies have minute characteristics. In test made with y, ac, br and pn yellow, achaete and broad showed in minute flies but prune did not show. This indicates that pn is not included in the translocated piece and that y ac and br are included. The breakage point, therefore, is between br and pn.

Intersexes of D. virilis. G. A. Lebedeff - Out of four lines of flies producing morphologically different types of intersexes (Amer. Nat., 68:68-69, 1934), line 2, producing intersexes predominantly of the hermaphroditic type, is still segregating. The three other lines are producing practically only one type of intersexes. These lines are: (1) ?-like intersexes; (3) intersexes of δ -like type retaining ? shape of abdomen; (4) intersexes of the δ type. F_1 's from crosses between 1 x 3, 1 x 4, and 3 x 4 lines are morphologically intermediate between lines. F_1 's from 1 x 3 and 1 x 4 besides having external and internal genitalia of the δ , also

have \hat{Y} genital plates, vagina, two spermathecae, and tubular recepticle. There are, however, minor differences in the shape of the abdomen between F_T 's of 1 x 3 and 1 x 4. F_T 's from 3 x 4 cross have dexternal and internal genitalia, but the shape of the abdomen is intermediate between \hat{Y} and $\hat{\sigma}$, although resembling more that of a $\hat{\sigma}$. F_T 's from all crosses segregate in 1:2:1 ratio. Results suggest that either three allels of the gene for intersexuality are responsible for the different morphological type of intersexes, or that there are three allels of modifiers of the gene for intersexuality.

News items

Genetics Laboratory, Columbia University, New York, N.Y. - Apart from work of Schweitzer and Dunn, melanogaster is used chiefly for course work and master's problems by graduate students. Each year several students are able to carry out preliminary experiments in locating new genes and in studying interaction and dominance effects of known genes (especially eye colors and eye sizes) and material to be used for these purposes is welcome. Dunn is interested in lethals and semi-lethals like lhII which have retarding effect on development.

Schweitzer has been analyzing the data on crossing-over in D. melanogaster in terms of the cytological events. He is interested in crossing-over data for other species in which whole chromosomes are covered with no more than 1/2% of undetected doubles.

Apparatus, Curt Stern - A funnel has been constructed, which facilitates the filling of food-bottles. The funnel is made of metal and has a capacity sufficient for food for about 60 bottles. It has a metal faucet which is easy to handle. The funnel is mounted on a stand, but can be detached for cleaning purposes. Below the funnel opening the stand has a hole through which extra drops of the food fall so that the bottles do not get dirty. The base of the stand has a rail which guides the bottles. This funnel can be obtained from the Will Corporation, Rochester, N.Y. A similar model has been in use for many years at the Kaiser Wilhelm Institut and has proven of great help in reducing the time and labor involved in the preparation of fly-food.

The Will Corporation has also on sale an etherizing glass following in general the design of C.B. Bridges (32). given in Amer.Nat.,66:250-273. An improvement consists of the following: Instead of a small funnel and a layer of plaster of Paris which have to be fitted and fastened into each glass individually, a one piece metal funnel and either holder is used which fits in without special fastening devices.

Inbred Bar, Charles Zeleny - Closely inbred (single brother and sister matings) 170 and 270 constant temperature lines are being maintained; at present (January 1934) 297 generations at 270 and 129 generations at 170.