Current designation	New equivalent	Position of left inversion-point	Position of rt inversion-point
ClB	In B	Between ec and bi	Between sy and fu
dl-49	In D	No new data(near rg)	No new data(fw-g)
sc^8	In E	Between ac and 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 sn
y^4	In Y	Between y and ac	Between fu and cr

*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 probably 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 (Tl-2). M. Demerec - 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 ♂-like type retaining ♀ shape of abdomen; (4) intersexes of the ♂ 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 ♂, also