

3. Deficiencies.

Tests for deficiencies were continued in F_1 's between translocations involving the same two chromosomes. As reported in the 1951 News Letter, T1-7a/b x *f* produced some *f* plants in F_1 , interpreted as carrying a deficiency resulting from a new combination of the four translocated chromosomes. New tests of *bd*, *ra gl v_5* on T1-7a/b F_1 plants gave all normals. Tests of *zb_4*, and *sr* on T1-9a/c F_1 plants were negative but a *br f* stock crossed on T1-9a/c produced irregular and unexpected results for these characters. (Tests of *ra_2*, *lg_2*, *gl ra*, and *bd* on T3-7a/b gave all normals. Tests of *v_2*, *ys*, and *la* on T4-5d/c gave all normals.

D. M. Gopinath

(Potato Research Institute Kufri, Simla Hills, Simla, India.)