

Through the efforts of Dr. M. D. Thorne, Head, and Dr. C. M. Brown, Associate Head, of the Department of Agronomy, the Maize Cooperative has received nonrecurring funds from the University of Illinois for a cold storage unit. A total \$25,000 has been allotted for the cold storage unit and 1,000 self contained steel storage drawers. This cold storage facility should be adequate to house the collection for many years.

During the summer of 1969 certain chromosome tester stocks were increased. Also, a considerable number of stocks were grown out to confirm the pedigree of certain mature plant traits. In addition, 832 rows were grown out and pollen readings taken to determine if certain reciprocal translocation stocks in the collection were homozygous for the translocation. Certain chromosome tester stocks were grown out in 10 row blocks in order to isolate new chromosome tester combinations.

The attached catalogue of stocks represents a listing of currently available genetic stocks. Certain traits and new chromosome combinations have been added to the list. This list of traits should replace the one published in 1967, when requesting seed. A complete listing of all translocation stocks in the collection has been published in Volume 43 of the Maize Newsletter.

Requests for seed and correspondence relative to the stock program should be addressed to:

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## Catalogue of Stocks

Chromosome 1

$ad_1 an_1 bm_2$   
 $ad_1 bm_2$   
 $an_1 bm_2$   
 $as$   
 $br_1 Vg$   
 $br_2$   
 $bz_2^m; M$   
 $bz_2^m; m$   
 $Kn$   
 $Kn Ts_6$   
 $lw_1$   
 $p^{CR}$   
 $p^{CW}$   
 $p^{MO}$   
 $p^{RR}$   
 $p^{RW}$   
 $p^{VV}$   
 $p^{RR} ad_1 an_1$   
 $p^{RR} ad_1 bm_2$   
 $p^{RR} an_1 gs_1 bm_2$   
 $p^{RR} br_1 f_1 an_1 gs_1 bm_2$   
 $p^{WR} bm_2$   
 $p^{WR} an_1 bm_2$   
 $p^{WR} an_1 Kn bm_2$

Chromosome 1 (Continued)

$p^{WR} gs_1 bm_2$   
 $p^{WW} br_1 f_1 bm_2$   
 $p^{WW} br_1 f_1 ad_1 bm_2$   
 $p^{WW} br_1 f_1 an_1 gs_1 bm_2$   
 $p^{WW} hm br_1 f_1$   
 $rs_2$   
 $sr_1$   
 $sr_1 p^{WR} an_1 bm_2$   
 $sr_1 p^{WR} bm_2$   
 $sr_1 p^{WR} an_1 gs_1 bm_2$   
 $sr_1 zb_4 p^{WW}$   
 $ts_2$   
 $ts_2 p^{WW} br_1 bm_2$   
 $Ts_6$   
 $Vg$   
 $Vg an_1 bm_2$   
 $vp_5$   
 $vp_8$   
 $zb_4 ms_{17} p^{WW}$   
 $zb_4 p^{WW} bm_2$   
 $zb_4 p^{WW} br_1$   
 $zb_4 p^{WW} br_1 f_1 bm_2$   
 $zb_4 ts_2 p^{WW}$   
 $zb_4 ts_2 p^{WW} bm_2$

Chromosome 1 (Continued)

an<sub>6923</sub>-bz<sub>2</sub> (apparent deficiency including an<sub>1</sub> and bz<sub>2</sub>)

bm<sub>2</sub>

bm<sub>2</sub> br<sub>2</sub>

necrotic 8147-31

tb

id

ms<sub>9</sub>

ms<sub>14</sub>

rd

Chromosome 2

al lg<sub>1</sub>

al lg<sub>1</sub> gl<sub>2</sub> B sk

al lg<sub>1</sub> gl<sub>2</sub> b sk v<sub>4</sub>

ba<sub>2</sub>

d<sub>5</sub>

fl<sub>1</sub>

ts<sub>1</sub>

gl<sub>11</sub>

Ht

lg<sub>1</sub>

lg<sub>1</sub> gl<sub>2</sub> wt

lg<sub>1</sub> gl<sub>2</sub> B

lg<sub>1</sub> gl<sub>2</sub> b

lg<sub>1</sub> gl<sub>2</sub> b Ch

lg<sub>1</sub> gl<sub>2</sub> b fl<sub>1</sub> v<sub>4</sub>

Chromosome 2 (Continued)

lg<sub>1</sub> gl<sub>2</sub> b fl<sub>1</sub> v<sub>4</sub> Ch

lg<sub>1</sub> gl<sub>2</sub> B gs<sub>2</sub>

lg<sub>1</sub> gl<sub>2</sub> b gs<sub>2</sub>

lg<sub>1</sub> gl<sub>2</sub> b gs<sub>2</sub> sk

lg<sub>1</sub> gl<sub>2</sub> B gs<sub>2</sub> v<sub>4</sub>

lg<sub>1</sub> gl<sub>2</sub> b gs<sub>2</sub> v<sub>4</sub>

lg<sub>1</sub> gl<sub>2</sub> b gs<sub>2</sub> v<sub>4</sub> Ch

lg<sub>1</sub> gl<sub>2</sub> B sk v<sub>4</sub>

lg<sub>1</sub> gl<sub>2</sub> b sk v<sub>4</sub>

lg<sub>1</sub> gl<sub>2</sub> b sk fl<sub>1</sub> v<sub>4</sub>

lg<sub>1</sub> gl<sub>2</sub> B v<sub>4</sub>

lg<sub>1</sub> gl<sub>2</sub> b v<sub>4</sub>

lg<sub>1</sub> gl<sub>2</sub> b v<sub>4</sub> Ch

lg<sub>1</sub> gs<sub>2</sub> b v<sub>4</sub>

w<sub>3</sub>

w<sub>3</sub> Ch

lg<sub>1</sub> gl<sub>2</sub> w<sub>3</sub> Ch

ws<sub>3</sub> lg<sub>1</sub> gl<sub>2</sub> B

ws<sub>3</sub> lg<sub>1</sub> gl<sub>2</sub> b

ws<sub>3</sub> lg<sub>1</sub> gl<sub>2</sub> b v<sub>4</sub>

ws<sub>3</sub> lg<sub>1</sub> gl<sub>2</sub> b fl<sub>1</sub> v<sub>4</sub>

ws<sub>3</sub> lg<sub>1</sub> gl<sub>2</sub> B sk

ws<sub>3</sub> lg<sub>1</sub> gl<sub>2</sub> b sk

wt

mn

Chromosome 3

$A_1 ga_7; A_2 C R$   
 $A_1 sh_2; A_2 C R$   
 $A^d-31; A_2 C R$   
 $A^d-31; A_2 C R Dt_1$   
 $A^d-31 sh_2; A_2 C R$   
 $a^P et; A_2 C R Dt_1$   
 $a_1^P et; A_2 C R dt_1$   
 $a_1; A_2 C R B Pl dt_1$   
 $a_1 et; A_2 C R Dt_1$   
 $a_1^m et; A_2 C R dt_1$   
 $a_1 sh_2; A_2 C R Dt_1$   
 $a_1 sh_2; A_2 C R Dt_1 B Pl$   
 $a_1 sh_2; A_2 C R dt_1$   
 $a_1^{st} Sh_2; A_2 C R Dt_1$   
 $a_1^{st} sh_2; A_2 C R Dt_1$   
 $a_1^{st} sh_2 et; A_2 C R Dt_1$   
 $a_1^{st} et; A_2 C R Dt_1$   
 $ba_1$   
 $Cg$   
 $cl_1$   
 $cr_1$   
 $cr_1 d_1 Lg_3$   
 $d_1$   
 $d_1 pm_1$   
 $d_1 Lg_3$

Chromosome 3 (Continued)

$d_1 Rg lg_2$   
 $d_1 ts_4 lg_2$   
 $d_1 Rg ts_4 lg_2$   
 $d_1 Rf_1 ts_4 lg_2$   
 $d_1 ts_4 lg_2 a_1; A_2 C R Dt_1$   
 $gl_6 lg_2 A^b et; A_2 C R Dt_1$   
 $gl_6 lg_2 a_1 et; A_2 C R Dt_1$   
 $gl_7$   
 $lg_2 A^b Sh et; A_2 C R Dt_1$   
 $lg_2 a_1 et; A_2 C R Dt_1$   
 $lg_2 a_1 et; A_2 C R dt_1$   
 $lg_2 a_1 sh_2 et; A_2 C R Dt_1$   
 $lg_2 a_1^{st} et; A_2 C R Dt_1$   
 $lg_2 a_1^{st} sh_2; A_2 C R Dt_1$   
 $lg_2 pm$   
 $Lg_3$   
 $Lg_3 Rg$   
 $na_1$   
 $na_1 lg_2$   
 $pm$   
 $ra_2$   
 $ra_2 lg_2$   
 $ra_2 lg_2 pm$   
 $ra_2 Rg$   
 $ra_2 Rg lg_2$

Chromosome 3 (Continued)

Rg

ra<sub>2</sub> Rg ts<sub>4</sub> pm<sub>1</sub> lg<sub>2</sub>

rt

ts<sub>4</sub>ts<sub>4</sub> na<sub>1</sub>ys<sub>3</sub>pg<sub>2</sub>vp<sub>1</sub>

Primary trisomic 3

Chromosome 4bm<sub>3</sub>bt<sub>2</sub>bt<sub>2</sub> gl<sub>4</sub>c<sub>2</sub>; A<sub>1</sub> A<sub>2</sub> C<sub>1</sub> Rfl<sub>2</sub>Ga<sub>1</sub> Su<sub>1</sub>Ga<sub>1</sub><sup>s</sup> Su<sub>1</sub>gl<sub>3</sub>gl<sub>3</sub> dpla su<sub>1</sub> gl<sub>3</sub>la su<sub>1</sub> Tu gl<sub>3</sub>lw<sub>4</sub>; lw<sub>3</sub>o<sub>1</sub>

st

su<sub>1</sub>Chromosome 4 (Continued)su<sub>1</sub><sup>am</sup>su<sub>1</sub> bm<sub>3</sub>su<sub>1</sub> gl<sub>3</sub>su<sub>1</sub> gl<sub>3</sub> ra<sub>3</sub>su<sub>1</sub> gl<sub>4</sub>su<sub>1</sub> ra<sub>3</sub>su<sub>1</sub> Tusu<sub>1</sub> Tu gl<sub>3</sub>su<sub>1</sub> zb<sub>6</sub>su<sub>1</sub> zb<sub>6</sub> Tu gl<sub>3</sub>su<sub>1</sub> zb<sub>6</sub> Tusu<sub>1</sub> o<sub>1</sub>Ts<sub>5</sub>Ts<sub>5</sub> su<sub>1</sub>Ts<sub>5</sub> su<sub>1</sub> zb<sub>6</sub>Ts<sub>5</sub> stTs<sub>5</sub> st su<sub>1</sub>Tu gl<sub>3</sub>zb<sub>6</sub>v<sub>8</sub>

dp

j<sub>2</sub>

Primary trisomic 4

Chromosome 5

$a_2$ ;  $A_1$  C R  
 $a_2$   $bm_1$   $bt_1$   $bv_1$  pr;  $A_1$  C R  
 $a_2$   $bm_1$   $bt_1$  pr;  $A_1$  C R  
 $a_2$   $bm_1$  pr  $v_2$ ;  $A_1$  C R  
 $a_2$   $bm_1$  pr  $ys_1$ ;  $A_1$  C R  
 $a_2$   $bt_1$   $b_3$  Pr;  $A_1$  C R  
 $a_2$   $bt_1$  pr;  $A_1$  C R  
 $a_2$   $bt_1$  pr  $ys_1$ ;  $A_1$  C R  
 $a_2$   $v_3$  pr;  $A_1$  C R  
 $a_2$  pr;  $A_1$  C R  
ae  
ae td  
 $bm_1$  pr;  $A_1$   $A_2$  C R  
 $bm_1$  pr  $v_2$   $A_1$   $A_2$  C R  
 $bm_1$  pr  $ys_1$ ;  $A_1$   $A_2$  C R  
 $bm_1$  pr  $ys_1$   $v_2$ ;  $A_1$   $A_2$  C R  
 $bt_1$  pr;  $A_1$   $A_2$  C R  
 $bt_1$  pr  $ys_1$ ; in  $A_1$   $A_2$  C R  
 $gl_5$   
 $gl_8$   
 $gl_{17}$   
 $gl_{17}$   $bt_1$   
 $gl_{17}$   $v_2$   
 $lw_2$   
 $lw_3$ ;  $lw_4$

Chromosome 5 (Continued)

$na_2$   
 $na_2$  pr  
pr;  $A_1$   $A_2$  C R  
pr  $ys_1$ ;  $A_1$   $A_2$  C R  
 $ys_1$   
 $v_3$  pr;  $A_1$   $A_2$  C R  
 $v_{12}$   
 $vp_2$   $gl_8$   
 $vp_2$  pr;  $A_1$   $A_2$  C R  
 $vp_7$   
ps = allele of  $vp_7$   
 $vp_7$  pr;  $A_1$   $A_2$  C R  
eg  
 $lu_1$   
 $sh_4$   $lu_1$   
 $sh_4$   
 $yg_1$   
Primary trisomic 5

Chromosome 6

$Y_1$  rgd  
at = allele of  $si_1$   
Bh  
po  $Y_1$  pl  
po  $y_1$  pl  
Pt  
 $si_1$

Chromosome 6 (Continued)

wi  
 y<sub>1</sub>  
 w<sup>m</sup> = allele of y<sub>1</sub>  
 pb<sub>1</sub> = allele of y<sub>1</sub>  
 y<sub>1</sub> l<sub>10</sub>  
 y<sub>1</sub> l<sub>4120</sub>  
 y<sub>1</sub> l<sub>4920</sub>  
 y<sub>1</sub> pb<sub>4</sub> pl  
 y<sub>1</sub> pb<sub>4</sub> Pl  
 Y<sub>1</sub> pG<sub>11</sub>; wx pG<sub>12</sub>  
 Y<sub>1</sub> pG<sub>11</sub>; wx pG<sub>12</sub>  
 y<sub>1</sub> pG<sub>11</sub>; wx pG<sub>12</sub>  
 y<sub>1</sub> Pl Bh  
 y<sub>1</sub> pl Bh  
 Y<sub>1</sub> Pl sm  
 Y<sub>1</sub> Pl sm py; A<sub>1</sub> A<sub>2</sub> b P<sup>RR</sup>  
 Y<sub>1</sub> pl su<sub>2</sub>  
 y<sub>1</sub> pl su<sub>2</sub>  
 y<sub>1</sub> Pl  
 y<sub>1</sub> Pl w<sub>1</sub>  
 Dt<sub>2</sub>; a<sub>1</sub> A<sub>2</sub> C R  
 w<sub>1</sub>  
 ms-si = allele of si  
 orobanche  
 w<sup>8657</sup>  
 Primary trisomic 6

Chromosome 7

Bn  
 bd  
 G<sub>2</sub>  
 gl<sub>1</sub>  
 gl<sub>1</sub><sup>m</sup>  
 gl<sub>1</sub> o<sub>5</sub>  
 gl<sub>1</sub> G<sub>2</sub>  
 gl<sub>1</sub> ij bd  
 gl<sub>1</sub> sl  
 gl<sub>1</sub> Tp<sub>1</sub>  
 gl<sub>1</sub> G<sub>2</sub> Tp<sub>1</sub>  
 Hs  
 ij  
 ij bd  
 in; pr A<sub>1</sub> A<sub>2</sub> C R  
 in gl<sub>1</sub>; pr A<sub>1</sub> A<sub>2</sub> C R  
 o<sub>2</sub>  
 o<sub>2</sub> bd  
 o<sub>2</sub> gl<sub>1</sub> sl  
 o<sub>2</sub> ra<sub>1</sub> gl<sub>1</sub>  
 o<sub>2</sub> ra<sub>1</sub> gl<sub>1</sub> ij  
 o<sub>2</sub> ra<sub>1</sub> gl<sub>1</sub> Tp<sub>1</sub>  
 o<sub>2</sub> v<sub>5</sub> ra<sub>1</sub> gl<sub>1</sub>  
 o<sub>2</sub> v<sub>5</sub> ra<sub>1</sub> gl<sub>1</sub> Hs  
 o<sub>2</sub> v<sub>5</sub> ra<sub>1</sub> gl<sub>1</sub> Tp<sub>1</sub>  
 ra<sub>1</sub> gl<sub>1</sub> ij bd

Chromosome 7 (Continued)Tp<sub>1</sub>vp<sub>9</sub> gl<sub>1</sub>Dt<sub>3</sub>; a<sub>1</sub> A<sub>2</sub> C R

Primary trisomic 7

Chromosome 8gl<sub>g</sub>v<sub>16</sub> j<sub>1</sub>v<sub>16</sub> ms<sub>8</sub> j<sub>1</sub>

necrotic 6697

sienna 7748

Primary trisomic 8

Chromosome 9Bf<sub>1</sub>Bf<sub>1</sub> bm<sub>4</sub>bm<sub>4</sub>bp Wx; P<sup>RR</sup>

C Ds wx

C sh<sub>1</sub> Wx; A<sub>1</sub> A<sub>2</sub> RC sh<sub>1</sub> wx; A<sub>1</sub> A<sub>2</sub> Rc sh<sub>1</sub> wx; A<sub>1</sub> A<sub>2</sub> Rc sh<sub>1</sub> ms<sub>2</sub>; A<sub>1</sub> A<sub>2</sub> RC wx; A<sub>1</sub> A<sub>2</sub> RC Wx bz<sub>1</sub>; A<sub>1</sub> A<sub>2</sub> RC wx ar; A<sub>1</sub> A<sub>2</sub> Rc sh<sub>1</sub> wx gl<sub>15</sub>Chromosome 9 (Continued)c sh<sub>1</sub> wx gl<sub>15</sub> Bf<sub>1</sub>c sh<sub>1</sub> wx bk<sub>2</sub>c Wx; A<sub>1</sub> A<sub>2</sub> Rc wx; A<sub>1</sub> A<sub>2</sub> Rc wx v<sub>1</sub>c wx Bf<sub>1</sub>; A<sub>1</sub> A<sub>2</sub> RDt<sub>1</sub>; a<sub>1</sub><sup>m</sup> A<sub>2</sub> C Rgl<sub>15</sub>gl<sub>15</sub> Bf<sub>1</sub>gl<sub>15</sub> bm<sub>4</sub>C<sub>1</sub><sup>I</sup> Ds WxC<sub>1</sub><sup>I</sup> wx; A<sub>1</sub> A<sub>2</sub> R BK<sub>9</sub><sup>L</sup> C sh<sub>1</sub> wx; A<sub>1</sub> A<sub>2</sub> Rl<sub>6</sub>l<sub>7</sub>ms<sub>2</sub> sh<sub>1</sub>; A<sub>1</sub> A<sub>2</sub> C Rsh<sub>1</sub> bp wx; P<sup>RR</sup>sh<sub>1</sub> wx gl<sub>15</sub>sh<sub>1</sub> wx l<sub>7</sub>sh<sub>1</sub> wx v<sub>1</sub>wx Bf<sub>1</sub>wx Bf<sub>1</sub> bm<sub>4</sub>wx bk<sub>2</sub>Wx bk<sub>2</sub> bm<sub>4</sub>wx bk<sub>2</sub> bm<sub>4</sub>



Chromosome 9 (Continued)

wx d<sub>3</sub>  
 wx l<sub>6</sub>  
 Wc  
 Wx pg<sub>12</sub>; y<sub>1</sub> pg<sub>11</sub>  
 wx pg<sub>12</sub>; Y<sub>1</sub> pg<sub>11</sub> pl  
 wx pg<sub>12</sub>; y<sub>1</sub> pg<sub>11</sub>  
 wx<sup>a</sup>  
 yg<sub>2</sub> c sh<sub>1</sub> wx; A<sub>1</sub> A<sub>2</sub> R  
 yg<sub>2</sub> c sh<sub>1</sub> bz<sub>1</sub> wx; A<sub>1</sub> A<sub>2</sub> R  
 yg<sub>2</sub> c sh<sub>1</sub> wx gl<sub>15</sub>; A<sub>1</sub> A<sub>2</sub> R  
 yg<sub>2</sub> C sh<sub>1</sub> bz<sub>1</sub> wx; A<sub>1</sub> A<sub>2</sub> R  
 wd  
 lo  
 Primary trisomic 9

Chromosome 10

bf<sub>2</sub>  
 du<sub>1</sub>  
 g<sub>1</sub>  
 g<sub>1</sub> Tp<sub>2</sub>  
 g<sub>1</sub> r<sup>g</sup>; A<sub>1</sub> A<sub>2</sub> C  
 g<sub>1</sub> r<sup>ch</sup>  
 g<sub>1</sub> r; A<sub>1</sub> A<sub>2</sub> C wx  
 g<sub>1</sub> R<sup>r</sup>sr<sub>2</sub>; A<sub>1</sub> A<sub>2</sub> C  
 g<sub>1</sub> R<sup>g</sup>sr<sub>2</sub>; A<sub>1</sub> A<sub>2</sub> C  
 g<sub>1</sub> r sr<sub>2</sub>; A<sub>1</sub> A<sub>2</sub> C

Chromosome 10 (Continued)

l<sub>1</sub>  
 l<sub>1</sub>; w<sub>1</sub>  
 li g<sub>1</sub> R; A<sub>1</sub> A<sub>2</sub> C  
 li g<sub>1</sub> r; A<sub>1</sub> A<sub>2</sub> C  
 nl<sub>1</sub> g<sub>1</sub> R; A<sub>1</sub> A<sub>2</sub> C  
 Og R; A<sub>1</sub> A<sub>2</sub> C B Pl  
 oy  
 r<sup>g</sup>; A<sub>1</sub> A<sub>2</sub> C  
 r<sup>r</sup>; A<sub>1</sub> A<sub>2</sub> C  
 r<sup>r</sup> E<sup>j</sup>; A<sub>1</sub> A<sub>2</sub> C  
 r K<sup>10</sup>; A<sub>1</sub> A<sub>2</sub> C  
 R<sup>r</sup> K<sup>10</sup> g<sub>1</sub>; A<sub>1</sub> A<sub>2</sub> C  
 R<sup>g</sup> sr<sub>2</sub>; A<sub>1</sub> A<sub>2</sub> C  
 r<sup>r</sup> sr<sub>2</sub>; A<sub>1</sub> A<sub>2</sub> C  
 r<sup>g</sup> wx; A<sub>1</sub> A<sub>2</sub> C  
 R<sup>r</sup>:Boone; A<sub>1</sub> A<sub>2</sub> C  
 R<sup>mb</sup>; A<sub>1</sub> A<sub>2</sub> C  
 R<sup>nj</sup>; A<sub>1</sub> A<sub>2</sub> C  
 R<sup>st</sup>; A<sub>1</sub> A<sub>2</sub> C  
 R<sup>r</sup> Lc; A<sub>1</sub> A<sub>2</sub> C  
 v<sub>18</sub>  
 w<sub>2</sub>  
 w<sub>2</sub> l<sub>1</sub>  
 zn  
 Primary trisomic 10

Unplaced Genes

dv  
 dy  
 el  
 gl<sub>12</sub>  
 gl<sub>14</sub>  
 gl<sub>16</sub>  
 h  
 l<sub>3</sub>  
 l<sub>4</sub>  
 ms<sub>6</sub>  
 ms<sub>12</sub>  
 ms<sub>13</sub>  
 Rs<sub>1</sub>  
 v<sub>13</sub>  
 w<sub>11</sub>  
 ws<sub>1</sub> ws<sub>2</sub>  
 ub  
 zb<sub>1</sub>  
 zb<sub>2</sub>  
 zb<sub>3</sub>  
 zn<sub>2</sub>  
 l<sub>4923</sub>  
 "necrotic 8376" (seedling)

Multiple Gene Stocks

A<sub>1</sub> A<sub>2</sub> C R<sup>r</sup> Pr B Pl  
 A<sub>1</sub> A<sub>2</sub> C R<sup>g</sup> Pr B Pl  
 A<sub>1</sub> A<sub>2</sub> C R Pr  
 A<sub>1</sub> A<sub>2</sub> C R Pr wx  
 A<sub>1</sub> A<sub>2</sub> C R Pr wx gl<sub>1</sub>  
 A<sub>1</sub> A<sub>2</sub> C R Pr wx y<sub>1</sub>  
 A<sub>1</sub> A<sub>2</sub> C R pr  
 A<sub>1</sub> A<sub>2</sub> C R pr y<sub>1</sub> gl<sub>1</sub>  
 A<sub>1</sub> A<sub>2</sub> C R pr y<sub>1</sub> wx  
 A<sub>1</sub> A<sub>2</sub> C R pr y<sub>1</sub> wx gl<sub>1</sub>  
 A<sub>1</sub> A<sub>2</sub> c R Pr y<sub>1</sub> wx  
 A<sub>1</sub> A<sub>2</sub> C r Pr y<sub>1</sub> wx  
 bm<sub>2</sub> lg<sub>1</sub> a<sub>1</sub> su<sub>1</sub> pr y<sub>1</sub> gl<sub>1</sub> j<sub>1</sub> wx gl<sub>1</sub>  
 colored scutellum  
 lg<sub>1</sub> su<sub>1</sub> bm<sub>2</sub> y<sub>1</sub> gl<sub>1</sub> j<sub>1</sub>  
 su<sub>1</sub> y<sub>1</sub> wx a<sub>1</sub> A<sub>2</sub> C R<sup>g</sup> pr  
 y<sub>1</sub> wx gl<sub>1</sub>  
 hm<sub>1</sub> hm<sub>2</sub>  
Popcorns  
 Amber Pearl  
 Argentine  
 Black Beauty  
 Hulless  
 Ladyfinger  
 Ohio Yellow

Popcorns (Continued)

Red  
 South American  
 Strawberry  
 Supergold  
 Tom Thumb  
 White Rice

Exotics and Varieties

Black Mexican Sweet Corn  
 (with B-chromosomes)  
 Black Mexican Sweet Corn  
 (without B-chromosomes)  
 Knobless Tama Flint  
 Knobless Wilbur's Flint  
 Gourdseed  
 Maiz chapolote  
 Papago Flour Corn  
 Parker's Flint  
 Tama Flint  
 Zapaluta chica

Tetraploid Stocks

$p^{RR}$   
 $p^{VV}$   
 Ch  
 B  
 $a_1 A_2 C R Dt_1$   
 $su_1$

Tetraploid Stocks (Continued)

$pr; A_1 A_2 C R$   
 $y_1$   
 $gl_1$   
 $ij$   
 $Y_1 sh_1 wx$   
 $sh_1 bz_1 wx$   
 $wx$

$A_1 A_2 C R$   
 $A_1 A_2 C R B Pl$

Cytoplasmic Steriles and Restorers

WF9 - (T)             $rf_1 rf_2$   
 N6 (S)  
 WF9                     $rf_1 rf_2$   
 N6                       $rf_1 Rf_2$   
 R213                    $Rf_1 rf_2$   
 Ky21                    $Rf_1 Rf_2$

These combinations are also available  
 in other inbred backgrounds.

Chromosome rearrangements

The following rearrangements are being maintained primarily for use in determining the chromosome locations of new traits. All are marked with closely-linked endosperm or seedling traits.

The cytological positions of Inv 2a were determined by Dr. Morgan; those of Inv 9a were determined by Dr. Li. The indicated interchange points of the reciprocal translocations are taken from published work of Dr. Longley.

Inversions

\*gl<sub>2</sub> Inv 2a (also available with Ch) 2S.7; 2L.8  
 \*wx Inv 9a 9S.7; 9L.9

Reciprocal translocations

*wx 1-9c	1S.48; 9L.22
*wx 1-9 4995	1L.19; 9S.20
*wx 1-9 8389	1L.74; 9L.13
*wx 2-9b	2S.18; 9L.22
*wx 3-9c	3L.09; 9L.12
wx 3-9 5775	3L.09; 9S.24
*wx 4-9b	4L.90; 9L.29
*wx 4-9 5657	4L.33; 9S.25
*wx 4-9g	4S.27; 9L.27
*wx 5-9a	5L.69; 9S.17
*wx 5-9c	5S.07; 9L.10
*wx 5-9d	5L.14; 9L.10
wx 5-9 4817	5L.06; 9S.07
*wx 6-9a	6S.79; 9L.40
*wx, y 6-9b	6L.10; 9S.37
wx 6-9 4505	6L.13; 9 cent
wx 6-9 4778	6S.80; 9L.30
*wx 7-9a	7L.63; 9S.07
*wx or gl <sub>1</sub> 7-9 4363	7 cent; 9 cent
*wx 8-9d	8L.09; 9S.16
*wx 8-9 6673	8L.35; 9S.31
*wx 9-10b	9S.13; 10S.40

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\*These constitute a basic series of twenty rearrangements for use in locating unplaced genes.

Stocks of A-B chromosome translocations

B-1a	1L.2	Proximal to <u>Hm</u>
B-1b	1S.05	
B-3a	3L.1	
B-4a	4S.25	Proximal to <u>su</u> <sub>1</sub>
B-6a	6S.5	
B-7b	7L.3	Proximal to <u>ra</u> <sub>1</sub>
B-8a	8L.7	Proximal to <u>v</u> <sub>16</sub>
B-9a	9L.5	Proximal to <u>Bf</u> <sub>1</sub>
B-9b	9S.4	Between <u>C</u> and <u>wx</u> ; close to <u>wx</u>
B-10a	10L.35	Proximal to <u>E</u> <sub>1</sub>