

## III. STOCKS AVAILABLE AND WANTED

## A. Wanted:

W. D. Bell, Department of Botany, Pennsylvania State University

Selections providing mineral-deficiency symptoms.

E. H. Coe, Jr., Curtis Hall, University of Missouri

B chromosomes in colored-seeded, purple plant, multiple dominant (e.g., Su, etc.)

D. V. Glover, Department of Agronomy, Purdue University

Stocks of the following A-B chromosome translocations: B-2, B-5, B-6 and B-8.

Endosperm mutants affecting carbohydrate biosynthesis in maize and any mutants which are allelic to amylose extender, ae.

J. Kohashi, Botanical Museum, Harvard University

Stocks of identical or nearly identical genetic background and carrying  $a_1 A_2$ ,  $A_1 a_2$ , and  $A_1 A_2$  for biochemical studies on anthocyanin development.

C. C. Wernham, Department of Agricultural Plant Pathology, Pennsylvania State University

Inbreds, varieties, or hybrids—not later than 900-1000 maturity--that have unusually long leaves.

Inbreds that have unusually wide leaves--in excess of 5 inches, not later than 900-1000 maturity.

## B. Available:

C. R. Burnham, Department of Agronomy and Plant Genetics, University of Minnesota

The following set of interchanges is available for use in chromosome identification tests: 1-2a, 2-4d, 3-7c, 5-7c, 8-9a, and 8-10b. These are segregating 1 heterozygous: 1 homozygous interchange.

H. Garrison Wilkes, Botanical Museum, Harvard University

Continuing field studies on teosinte begun last year (see Wilkes, MNL 37, 1963), seed collections are available for distribution from the following locations in Mexico and Central America.

## Mexico

Generalized habitat: 800-1900 m., limestone country rock, seasonally dry, growing season June through October, flowering September-October, mature seed in November.

	<u>Altitude in meters</u>
<b>Guerrero</b>	
Chilpancingo & area	800-1400 m.
Teloloapan - Arcelia (80 km.)	800-1900 m.
Ixcateopan & area	1200-1950 m.
Taxco	1750 m.
<b>Edo. De Mexico</b>	
Chalco	2250 m.
Los Reyes	2180 m.
Amecameca	2350-2500 m.
<b>Michoacan</b>	
Huetamo & drainage of Rio Balsas	400-800 m.
Tiquicheo	800 m.
Tzitzio	1000-1650 m.
Churintzio	1800 m.
Zacapu & area	1750-1950 m.
Cuitzeo	1880 m.
Copandaro de Galeana	1850 m.
Ciudad Hidalgo	2080 m.
<b>Guanajuato</b>	
Moroleon - Uriangato	1750-1900 m.
Manuel Doblado	1750 m.

## Central America - Guatemala and Honduras

Generalized habitat: Teosinte from Jutiapa, Jalapa, Chiquimula, and Choluteca is essentially similar to teosinte in Mexico in habitat (but not morphology). In Huehuetenango the habitat is seasonally wet 8 months of the year in contrast to Mexico which is seasonally dry 8 months of the year. Huehuetenango teosinte is two months later than Mexican teosinte forming tassels in November and mature seed in January.

## Guatemala

<b>Depto. Jutiapa</b>	
El Progreso	1200 m.
Jutiapa & area	1200 m.
Laguna Retana & area	1050-1250 m.
Agua Blanca	1000 m.
Santa Catarina Mita	800 m.
<b>Depto. Jalapa</b>	
San Luis Jilotepeque & area	950 m.
San Manuel Chaparron & area	950 m.

## Guatemala (Continued)

Depto. Chiquimula  
Ipala & area

900 m.

Depto. Huehuetenango

San Antonio Huista &amp; area

1200-1650 m.

San Ana Huista

900-1200 m.

Buxup

950-1050 m.

Jacaltenango

1700 m.

Chitsba &amp; area

1200-1550 m.

Tablon

1000 m.

## Honduras

Depto. Choluteca

San Antonio de Padua

400 m.