

## V. REPORT ON MAIZE COOPERATIVE

During 1972 the Maize Genetic Cooperative received 145 requests for stocks and 1211 packets of seed were sent to fill these requests. Domestic requests accounted for 72% of the total, and foreign requests the remaining 28%. Requests from Geneticists numbered 101 or 70% of the total, Physiologists 13%, Plant Breeders 5%, and stocks for educational purposes 12%.

Seed stocks of chromosome 9 were the chief cultures increased during the 1972 growing season. Certain stocks of chromosomes 1 and 4 along with T-B translocations and trisomics were also increased. Certain unplaced traits in chromosomes 1, 2, 3, 4, 5, 6, and 7 were grown to obtain linkage information and also to obtain new chromosome tester stocks. In addition, certain stocks were grown to confirm mature plant and seedling traits of chromosomal tester stocks. This procedure insures that confirmed stocks are available to fill seed requests.

This year we began the rather large task of increasing stocks of our reciprocal translocation collection. We grew approximately 20% (170 cultures) of the collection during 1972, and hope to have fresh seed of the entire collection by 1977.

All stocks maintained by the Co-op have now been refilled and an up-to-date inventory completed. A newly revised stock list appears at the end of this report.

A list of reciprocal translocation stocks available from the Co-op is published in the Co-op report in News Letter volume 43, 1969.

Requests for stocks or correspondence relative to the stock collection should be addressed to:

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