

### 3. Mutation from tu to Tu.

In an indigenous flint variety of maize, cultivated by a farmer near Zagreb, I found among many thousands of ears with uncovered kernels one on which the kernels were covered to 2/3 of their length with glumes. The offspring of the kernels of that ear consisted of plants with (a) uncovered kernels, (b) partly covered kernels, and (c) kernels of the tunicata type. The next generation was of the following constitution: (a) from uncovered kernels, plants with uncovered kernels have again developed, (b) from partly covered kernels have developed plants with uncovered, partly covered and covered kernels, and (c) from covered kernels plants with covered and partly covered kernels have grown.

The appearance of the ear with partly covered kernels in the above-mentioned indigenous variety must have been due to a mutation. The plants with covered and partly covered kernels have now been crossed with some testers for further genetical analysis.

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