

2. A new type of chromosome 9 in Italian maize\*.

On the long arm of chromosome 9 a characteristic long shaped knob has been repeatedly found, in the position which has been reported as typical for the presence, in some cases, of a prominent chromomere. Such a type has been detected only in "Nostrano dell'Isola," a variety of special interest from the point of view of its origin and evolution, among Italian maizes, according to an oral communication of Drs. Brandolini and Wellhausen.

The finding is a part of the cytological survey of the pachytene chromosomes of Italian maize, which is being undertaken in cooperation with the Maize Breeding Station of Bergamo.

A. Bianchi

3. Mendelian characters in Italian maize\*.

Self pollination has been carried out in plants of about 90 samples of Italian maize kindly provided by "Stazione di Maiscoltura di Bergamo."

The following mutants have been obtained in a total of 547 selfed ears:

Character	No. of cases exhibiting a ratio of	
	3:1	15:1
Defective seed	18	
Small seed	1	
Amylaceous seed	1	
Lemon endosperm	1	
Sugary endosperm	1	
Albino seedling	5	2
Dwarf seedling	6	
Seedling color (booster, etc.)	28	3
Luteus seedling	3	
Yellow green seedling	8	
Pale green seedling	8	2
Fine stripe seedling	5	
Glossy seedling	18	2
Abnormal growth	1	2
Virescent	10	3
Yellow stripe	1	1
Albescent		1
Japonica seedling	1	1
Virescent fine stripe	2	
Green mottling seedling	1	

A. Bianchi  
M. Pozzi