

PREFACE

The Pisum Genetics Association (PGA) is a non-profit, unincorporated organization established to facilitate the exchange of information and to ensure the preservation of valuable genetic stocks. The number of PGA members now stands at 191.

Membership

Membership in the PGA is open to all interested persons. Dues are \$3.00 annually (U.S. currency) and are used to help defray the costs of publishing the PNL. Members are encouraged to pay dues for two or more years to simplify bookkeeping. Please make prime bankers checks or money orders payable to Pisum Genetics Association and send to G. A. Marx, Department of Seed and Vegetable Sciences, New York State Agricultural Experiment Station, Geneva, NY 14456, USA. The PNL will be sent upon receipt of dues.

Index

Volume 15 includes a Supplement containing an index to Volumes 1 through 14. We believe that the index will add to the value of the Pisum Newsletter and we are indebted to a skilled team of confederates headed by Ms. Charlotte Pratt for making it all possible.

Gene descriptions

Some of the gene descriptions in Pisum are not as well characterized nor as complete as they might be. This may lead to needless confusion and extra work, as for example befell Baumunk-Wende (see p.7). We urge members to help us improve our gene descriptions so that when a new list is published the descriptions will adequately reflect the phenotype conferred by the gene. The experience that comes from working with various genes often enables us to modify or improve upon the original description. Your comments are welcome.

Once again we tip our hats to Mrs. Frances Van Kirk, our "Clerk" and Jack-of-all-trades, and to Mrs. Mary E. Porterfield, our keyboardist, for their indispensable contributions.

The financial report for the period 4/1/82 - 3/3/83:

| | | |
|-------|------------------------|--------------|
| | Balance on hand 4/1/82 | 839.45 |
| Kudos | Dues collected: | 638.00 |
| | Expenditures: | |
| | Postage | 153.12 |
| | Publishing costs | 287.43 |
| | Bank charges | <u>50.16</u> |
| | | 490.71 |

Balance on hand 3/31/83 986.74

G. A. Marx

for the Coordinating Committee:

| | |
|---------------|-----------|
| S. Blixt | L. Monti |
| W. Gottschalk | I. Murfet |
| E. Gritton | B. Sharma |
| G. Marx | B. Snoad |

COVER

Our cover sketch of V. S. Fedotov was drawn by Ms. Elaine Gotham from a photo kindly provided by Director V. F. Dorofeev and Dr. R. Kh. Makasheva. They also furnished the following biographical information:

Vassily Sergeyeovich Fedotov (1895-1966), a prominent Soviet geneticist, was born in 1895. He worked at the N.I. Vavilov All-Union Scientific Research Institute from 1925 to 1953 on grain and leguminous crops under the guidance of academician N. I. Vavilov and Professor L. I. Govorov. In 1953 he transferred to the Scientific-Research Institute of Agriculture of Central Regions of Non-chernozem (=non-black earth) Zone, where he conducted practical breeding in peas and beans, as well as sweet and bitter lupine.

V. S. Fedotov devoted much attention to theoretical studies and to selection of grain leguminous crops. His reports on the genetics of pea published in the thirties still retain their significance. Of most interest to pea geneticists are: "On the hereditary factors of flower color and some other characters in the pea", "Multiple allelomorphs of the character 'grey spotting' on the foliage of peas", "The genetics of anthocyanin pigmentation on peas" and "Genetical principles of pea breeding".