

TOPICS AND SPEAKERS FOR

THE 16th STADLER GENETICS SYMPOSIUM

ON GENE MANIPULATION IN PLANT IMPROVEMENT

THE 16th STADLER GENETICS SYMPOSIUM will be held in Columbia, Missouri the week of March 19, 1984. The Symposium will focus on gene manipulation in plant improvement through 25 presentations by internationally recognized plant scientists. Contributed posters are welcome. Invited speakers include:

PLANT BREEDING 1910-1984. HAPLOIDY: USES AND POTENTIALS.

Glenn Burton, *Georgia*

P. S. Baenziger, *Maryland*

PROGRESS IN CONVENTIONAL PLANT BREEDING PROGRESS.

D. Duvick, *Iowa*

CHLOROPLAST AND MITOCHONDRIAL DNA MANIPULATIONS.

Jean-David Rochaix, *Switzerland*

PHILOSOPHY AND METHODOLOGY OF AN INTERNATIONAL BREEDING PROGRAM.

Rajaram, Skovmand, and Curtis, *Mexico*,
G. Khush, *Philippines*

NUCLEAR INSTABILITY AND ITS MANIPULATION.

M. D. Bennett, *U. K.*

SELECTION TECHNIQUES AND BREEDING METHODS.

D. C. Rasmussen, *Minnesota*

CELL AND TISSUE CULTURE: USES AND POTENTIALS.

Carole Meredith, *California*

PHYSIOLOGICAL ASPECTS OF VARIETAL PRODUCTION.

L. T. Evans, *Australia*

USES OF PROTOPLASTS: POTENTIALS AND PROGRESS.

E. C. Cocking, *V. K.*

QUANTITATIVE GENETIC PRINCIPLES IN PLANT IMPROVEMENT.

R. J. Baker, *Canada*

SOMOCLONAL VARIATION: POTENTIALS AND PROGRESS.

T. Orton, *Colorado*

THE PATHOLOGICAL FRAMEWORK OF PLANT BREEDING.

A. L. Hooker, *Missouri*

MOLECULAR AND GENETIC MANIPULATION OF PLANT GENES BY USING DNA CLONED IN BACTERIA.

R. Appels, *Australia*

INTERSPECIES HYBRIDS AND POLYPLOIDY.

D. R. Dewey, *Utah*

MOLECULAR AND GENETIC MANIPULATION OF NITROGEN FIXATION.

S. Long, *California*

IN VITRO APPROACHES TO INTER-SPECIFIC HYBRIDIZATION AND CHROMOSOME MANIPULATION.

Glenn Collins, *Kentucky*

GENE EXPRESSION IN PLANTS.

R. Beachy, *Missouri*

EVOLUTIONARY RELATIONSHIPS AND THEIR INFLUENCE ON PLANT BREEDING.

G. Kimber, *Missouri*

PERSPECTIVES ON GENETIC MANIPULATION.

J. R. Bedbrook, *California*

THE CONTROL OF RECOMBINATION.

E. R. Sears, *Missouri*

PERSPECTIVE AND PROSPECT.

N. W. Simmonds, *U. K.*

PERSPECTIVES ON CHROMOSOME MANIPULATION.

I. Rilev, *U. K.*

Banquet Speaker:

N. E. Borlaug, *Mexico*

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