

PROCEEDINGS AT THE 837TH GENERAL MEETING

The 837th General Meeting of the Academy was held on Monday, March 12, 1990, at 1:05 p.m., Dr. Yoshitaro WAKIMURA, President, taking the chair. Ninety members were present, and the following communications were made:

- Studies in social stratification and social mobility
 Kunio ODAKA, M. J. A.
- On the birth of western economy during the 12th century
 Shiro MASUDA, M. J. A.
- The use of cloned DNA probes for diagnosis of noncultivable plant
 mollicutes Sujun DENG and Chuji HIRUKI
 Communicated by Naohide HIRATSUKA, M. J. A.
- Certain quadratic first integral and elliptic orbits of linear Hamiltonian
 system Shigeru MAEDA
- Minimal currents and relaxation of variational integrals on mappings of
 bounded variation Patricio AVILES and Yoshikazu GIGA
- Nonlinear singular first order partial differential equations of Briot-
 Bouquet type Raymond GÉRARD and Hidetoshi TAHARA
 Above three, communicated by Kôsaku YOSIDA, M. J. A.
- Low latitude aurorae on October 21, 1989. I Hiroshi MIYAOKA,
 Takeo HIRASAWA, Kiyohumi YUMOTO, and Yoshihito TANAKA
 Communicated by Takesi NAGATA, M. J. A.
- Low latitude aurorae on October 21, 1989. II
 Masayuki KUWASHIMA, Satoru Tsunomura, Tetsuya
 UWAI, Buniti SAITO, Tosiyasu TAKAHASHI, and Yositaka KIYAMA
 Communicated by Yoshio KATO, M. J. A.
- On the distribution of the zeros of the Riemann zeta function in short
 intervals Akio FUJII
- An elementary construction of Galois quaternion extensions
 Genjiro FUJISAKI
- Convergence of a class of discrete cubic interpolatory splines
 S. S. RANA
 Above three, communicated by Shokichi IYANAGA, M. J. A.
- On the fundamental groups of moduli spaces of irreducible $SU(2)$ -con-
 nections over closed 4-manifolds Hiroshi OHTA
- The modulo 2 homology group of the space of rational functions
 Yasuhiko KAMIYAMA
 Above two, communicated by Kunihiko KODAIRA, M. J. A.

After a recess during which the members present met in their respective Sections the General Meeting was resumed for business transactions.

First, Dr. Takeyoshi KAWASHIMA, M. J. A., paid a tribute of admiration to the late Dr. Tomohei TANIGUCHI's meritorious services to academic circles.

Next, the Chairmen of both Sections made reports of the matters dealt with at the respective Sectional Meetings.

Then, a decision was made of the recipients of Prizes for this

year as follows:

Imperial Prize and Academy Prize to:

Koji NAKANISHI for "Structures and Mode of Action of Bio-active Compounds"

Academy Prizes to:

Yoshihide SUZUKI for "A Philological Study of Deuteronomy"

Masahiko AOKI for "The Co-operative Game Theory of the Firm" and "Information, Incentives and Bargaining in the Japanese Economy"

Masashi TAZAWA for "Physiological Studies of Giant Algal Cells with Special Regard to the Development of Cellular Perfusion and Cell Models"

Shigeru IITAKA, Shigefumi MORI and Yujiro KAWAMATA for "The Theory of Classification of Algebraic Varieties"

Hiroshi TSUJI for "Studies on the Structure of Flames"

Tetsuo TAKEMATSU for "Basic Studies on World Agricultural Land Weeds and Their Controls"

Kiyoshi HAMA for "Functional Morphology of Nervous System with Special Reference to Three Dimensional Morphometrical Analysis with High Voltage Electron Microscope Stereoscropy"

Toju HATA and Satoshi ŌMURA for "Studies on Biologically Active Microbial Metabolites, Especially on Macrolide Antibiotics"

Duke of Edinburgh Prize for 1990:

Terumi MUKAI for "Studies on Genetic Structure of Natural Populations of the Fruit Fly, *Drosophila*"

Finally, it was submitted to elect Dr. Alfred du Pont CHANDLER, Jr. to the Honorary Membership of the Academy on the recommendation of Section I. This was approved unanimously.

The Meeting adjourned at 5:20 p.m.

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