

## 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.  
 . . . . . Shiro MASUDA, M. J. A.  
 On the birth of western economy during the 12th century . . . . .  
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 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