

PROCEEDINGS AT THE 798TH GENERAL MEETING

The 798th General Meeting of the Academy was held on Monday, April 14, 1986, at 1:00 p.m., Dr. Hiromi ARISAWA, President, taking the chair. Ninety-nine members were present, and the following communications were made:

- Masanari Kitazawa, an unknown scholar of historical-geography (1840–1901) Seiichi IWAO, M. J. A.
 The change of forms of government in Japan Ryosuke ISHII, M. J. A.
 Karyological relationship between the Japanese house shrew, *Suncus murinus riukiuanus* and the Japanese white-toothed shrew, *Crocidura dsinezumi chisai* Takashi TADA and Yoshitaka OBARA
 Further studies on an isolated pigment granules from midgut erythrocytes of *Caridina denticulata*
 Mitsuharu MIYAWAKI, Takanori TSURUDA, and Izumi YOSHIOKA
 A case of heavy mental retardation with cerebral palsy having pericentric inversion on no. 9 chromosome (inv(9)(p11q13))
 Suzue KANATA, Tetsuji KADOTANI, Yoko WATANABE, Yoshio NAMBA, and Masako NAEMURA
 Developmental process of the basement membrane of the intestinal epithelium of *Caridina denticulata* (Crustacea, Natantia)
 Mitsuharu MIYAWAKI and Shinji MISHIMA
 Above four, communicated by Sajiro MAKINO, M. J. A.
 On a local existence theorem for quasilinear hyperbolic mixed problems with Neumann type boundary conditions
 Gen NAKAMURA and Yoshihiro SHIBATA
 Entropy of random dynamical systems Takehiko MORITA
 Some applications of the generalized Libera integral operator
 Shigeyoshi OWA and H. M. SRIVASTAVA
 Density of the range of a wave operator with nonmonotone superlinear nonlinearity Kazunaga TANAKA
 An average effect of many tiny holes in nonlinear boundary value problems with monotone boundary conditions Satoshi KAIZU
 On a criterion for hypoellipticity Yoshinori MORIMOTO
 Above six, communicated by Kôzaku YOSIDA, M. J. A.
 Stretch-induced delayed force development in Guinea-pig *Taenia coli*
 Teizo TSUCHIYA, Miho TORIDE, Hideya KIMURA, and Haruo SUGI
 Communicated by Yasuji KATSUKI, M. J. A.
 Multi-tensors of differential forms on the Siegel modular variety and on its subvarieties Shigeaki TSUYUMINE
 Homology of a local system on the complement of hyperplanes
 Toshitake KOHNO
 On the homology groups of the mapping class groups of orientable surfaces with twisted coefficients Shigeyuki MORITA
 A note on the mean value of the zeta and L -functions. III
 Yoichi MOTOHASHI
 Above four, communicated by Kunihiro KODAIRA, M. J. A.
 On the Kazhdan-Lusztig conjecture for Kac-Moody algebras
 Kiyokazu SUTO
 Representations of Hecke algebras on virtual character modules of a semisimple Lie group Kyo NISHIYAMA

- Continuity theorem for non-linear integral functionals and Aumann-Perles' variational problem Toru MARUYAMA
 Above three, communicated by Shokichi IYANAGA, M. J. A.
- Paramecium* behavior during video centrifuge-microscopy
 Kiyoko KURODA,
 Noburô KAMIYA, M. J. A., Yasuaki YOSHIMOTO, and Yukio HIRAMOTO
- Maternal exposure of rats to sodium valproate develops tolerance to valproate itself in the offspring
 Tomoko FUJII, Naomi HARA, and Yuuko KUGA
 Communicated by Setsuro EBASHI, 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, the President announced that Dr. Shoei ISEKI, M. J. A., had passed away on March 17, 1986. The members rose from their seats in silence, expressing profound sense of grief.

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

The Meeting adjourned at 4:00 p.m.

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