

PROCEEDINGS AT THE 849TH GENERAL MEETING

The 849th General Meeting of the Academy was held on Monday, May 13, 1991, at 1:05 p.m., Dr. Yoshitaro WAKIMURA, President, taking the chair. Eighty-two members were present, and the following communications were made:

- The Japanese equivalent to religion . . . Hajime NAKAMURA, M. J. A.
 The industrial revolution: an essay in historiography
 Yoshitaka KOMATSU, M. J. A.
 Fermat motives and the Artin-Tate formula. II . . . Noriyuki SUWA
 Determination of certain real quadratic fields with class number two
 Hisao TAYA and Nobuhiro TERAJ
 A note on Poincaré sums of Galois representations . . . Takashi ONO
 On the sums of digits of integers Hiroyuki KANO
 On a certain fractional operator
 Shigeyoshi OWA, Megumi SAIGO, and David M. FURUTO
 Merger of chaotic bands in period-doubling cascades
 Minako YOSHIMOTO and Kiyoko NISHIZAWA
 Above six, communicated by Shokichi IYANAGA, M. J. A.
 On non-stationary Boussinesq equations Hiroko MORIMOTO
 On the uniform attractivity of solutions of ordinary differential equations
 by two Lyapunov functions László HATVANI
 Some dolbeault isomorphisms for locally trivial fiber spaces and applications
 Hideaki KAZAMA and Takashi UMEMO
 On the existence and regularity of the solution of Stokes problem in arbitrary
 dimension. Chérif AMROUCHE and Vivette GIRAULT
 A note on Wada's group invariants of links Makoto SAKUMA
 The flat holomorphic conformal structure on the Horrocks-Mumford
 orbifold Takeshi SATO
 Above six, communicated by Kunihiro KODAIRA, M. J. A.
 The fine structure of germinating resting spores of *Olpidium brassicae*
 Chuji HIRUKI
 Communicated by Naohide HIRATSUKA, M. J. A.
 Protein permeation through polymer membranes for hybrid-type artificial
 pancreas Krystyna
 BURCZAK, Toshiya FUJISATO, Motoyoshi HATADA, and Yoshito IKADA
 Communicated by Seizo OKAMURA, 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. Masao SUENAGA, M. J. A., had passed away on May 7, 1991. The members rose from their seats in silence, expressing profound sense of grief.

Next, Dr. Kyosuke TSUDA, M. J. A., and Dr. Kazuo YAMAGUCHI, M. J. A., paid a tribute of admiration to the late Dr. Shigehiko SUGAWA's and the late Dr. Mataji MIYAMOTO's meritorious services to academic circles respectively.

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

Then, the election of the Secretary-General for the coming term took place; and Dr. Yoshio FUJITA was re-elected.

The Meeting was adjourned at 4:50 p.m.

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