

PROCEEDINGS AT THE 781ST GENERAL MEETING

The 781st General Meeting of the Academy was held on Wednesday, September 12, 1984, at 1:00 p.m., Dr. Hiromi ARISAWA, President, taking the chair. Ninety-six members were present, and the following communications were made:

- Philosophy, magic and art in the Renaissance Torataro SHIMOMURA, M. J. A.
- Interpretations of the word "Equality"—A study of American constitutional law— Nobushige UKAI, M. J. A.
- Studies on the karyotype differentiation in the Norway rat. XI. Translocation between pair nos. 1 and 12 occurred in a WKS-strain rat after γ -irradiation and its transmission to the offspring Toshihide H. YOSIDA
- Association of the X and Y chromosomes in the first meiotic division of the black and the Norway rats Masayasu Y. WADA, Katsushi SUZUKI, and Toshihide H. YOSIDA
- Karyotype and C-banding analysis of the common seaside earwig, *Anisolabis maritima* (Bonelli) (Anisolabididae, Dermaptera) Hidehiro HOSHIBA, Seiroku SAKAI, and Emiko HOSHIBA
- The C-banding analysis of the diploid male and female honeybee (*Apis mellifera*) Hidehiro HOSHIBA
- Occurrence of white chromatophores in the midgut, hindgut and ventral nerve cord of the freshwater shrimp, *Caridina denticulata* Mitsuharu MIYAWAKI and Takanori TSURUDA
- Biochemical evidence for the genetic differentiation between two morphologically very similar species of *Neope* (Lepidoptera, Satyridae) from Japan Norimasa MATSUOKA, Yoshihiko CHIBA, and Kazuo SAITOH
- Karyological characteristics of the brown trout, the Japanese char and their hybrids Takayoshi UEDA and Yoshio OJIMA
- A simple technique for production of chimeric mouse embryos Takashi AWATA, Akira ONISHI, and Susumu MURAMATSU
- A case of partial monosomy for the long arm of the no. 9 chromosome Tetsuji KADOTANI, Suzue KANATA, Setsuji KUBO, Hidetoshi KODAMA, and Yoko WATANABE
- Above nine, communicated by Sajiro MAKINO, M. J. A.
- Specific antibody to the urine samples of human adult males Koichiro KISHI, Reiko IIDA, and Shoei ISEKI, M. J. A.
- On the ergodicity of solutions of nonlinear evolution equations with periodic forcings Norimichi HIRANO
- Continuity of the inverse of a certain integral operator Yoshio HAYASHI
- Explosion problems for symmetric Diffusion processes Kanji ICHIHARA
- On the Banach-Saks property Nolio OKADA
- On the Ito formula of noncausal type Shigeyoshi OGAWA and Takeshi SEKIGUCHI
- General solutions of Witten's gauge-field equations Norio SUZUKI
- Above six, communicated by Kôzaku YOSIDA, M. J. A.
- Identification of the telluric H₂O lines in the photographic infrared spectral region of carbon stars Yoshio FUJITA, M. J. A.

- Anharmonic potential of atomic thermal motion in ZnX ($X=S, Se, Te$)
 Takamitsu YAMANAKA
 Communicated by Ryoichi SADANAGA, M. J. A.
- Concanavalin A (ConA) receptors in mouse macrophages demonstrated
 in thick sections with a 1,000 kV transmission electron microscope .
 Kuniaki
 TAKATA, Tatsuo ARII, Shunichi YAMAGISHI, and Hiroshi HIRANO
- Prerequisites for conversion of coated vesicles to synaptic vesicles. A
 biochemical examination of synaptic-vesicle membrane recycling
 hypothesis Ken KADOTA, Naoji TOYOTA, Noriyuki MIYAZAKI, and Tomoko KADOTA
- Optical recording of spontaneous action potentials from the congenital
 chick embryonic pre-contractile double-heart Akihiko HIROTA, Shiroh FUJII, Tetsuro SAKAI, and Kohtaro KAMINO
 Above three, communicated by Yasuji KATSUKI, M. J. A.
- Rhythmic conidiation and light sensitivity of mutants in orthophosphate
 repressible cyclic phosphodiesterase in *Neurospora crassa* Kohji HASUNUMA
 Communicated by Noburô KAMIYA, M. J. A.
- Teichmüller spaces of Seifert fibered manifolds with infinite π_1 Ken-ichi OHSHIKA
- Fourier coefficients of Eisenstein series of degree 3 Yoshiyuki KITAOKA
- On characters of irreducible highest weight representations of Witt
 algebra Shuichi SUGA
- Dualizing with respect to s -tuples Sanpei KAGEYAMA and R. N. MOHAN
- A family of finite nilpotent groups Katsuya MIYAKE
- On totally multiplicative signatures of natural numbers Masaki SUDO
 Above six, communicated by Shokichi IYANAGA, M. J. A.
- Histological and electron microscopical studies on neoplasia subcutane-
 ously occurring in *Xenopus laevis* Tsutomu OINUMA, Masumi SEKI, and Makoto ASASHIMA
 Communicated by Kiyoshi TAKEWAKI, M. J. A.
- The Fabry-Ehrenpreis gap theorem for hyperfunctions Takahiro KAWAI
 Communicated by Heisuke HIRONAKA, 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. Eikiti HIRATSUKA, M. J. A., had passed away on July 6, 1984; Dr. Shin-ichi MATSUMOTO, M. J. A., on August 1, 1984; Dr. Kazuo OKOCHI, M. J. A., on August 9, 1984; Dr. Koji HIDAOKA, M. J. A., on August 15, 1984; Dr. Masamichi SHIMMEI, M. J. A., on August 20, 1984. The members rose from their seats in silence, expressing profound sense of grief.

Next, Dr. Yoshitake OKA, M. J. A., and Dr. Kô HIRASAWA, M. J. A., paid a tribute of admiration to the late Dr. Yasaka TAKAGI's and the late Dr. Teizo OGAWA's meritorious services to academic circles.

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

Finally, a report was made by Dr. Tatsuro YAMAMOTO, M. J. A., on his mission to the 58th Session of the International Union of Academies held in Bruxelles in June this year.

The Meeting adjourned at 5:45 p.m.

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CONTENTS

(Continued from Front Cover)

	Page
T. KAWAI: The Fabry-Ehrenpreis Gap Theorem for Hyperfunctions .	276
Proceedings at the 781st General Meeting	XXVII