PROCEEDINGS AT THE 807TH GENERAL MEETING

The 807th General Meeting of the Academy was held on Thursday, March 12, 1987, at 1:05 p.m., Dr. Toshio KUROKAWA, President, taking the chair. Ninety-seven members were present, and the following communications were made:

Liu Hsieh's literary principle—Studies of his "Wen hsin tiao lung" in China . . . . . Makoto MEKADA, M. J. A.

Some aspects of rice problem . . . . . Tsutomu OUCHI, M. J. A.

On the propagation of analyticity for some class of differential equations with non-involutive double characteristics . . . . Kenji HASEGAWA

A formulation of noncommutative McMillan theorem . . . . . Masanori OHYA, Makoto TSUKADA, and Hisaharu UMEGAKI

Applications of spreading models to an equivalence of summabilities and growth rate of Cesàro means . . . Nolio OKADA and Takashi ITO

The vanishing viscosity method and a two-phase Stefan problem with nonlinear Flux condition of Signorini type . . . . . Nobuyuki KENMOCHI and Irena PAWLOW

On the existence of periodic solutions for periodic quasilinear ordinary differential systems . . . . . Seiji SAITO and Minoru YAMAMOTO

The dimension of the space of relatively invariant hyperfunctions on regular prehomogeneous vector spaces . . . . . Masakazu MURO

Above six, communicated by Kôsaku YOSIDA, M. J. A.

The moduli space of Hermite-Einstein bundles on a compact Kähler manifold . . . . . Akira FUJIKI and Georg SCHUMACHER

Communicated by Kunihiko KODAIRA, M. J. A.

A case of marker chromosome mosaicism with mental retardation . . . . . Tetsuji KADOTANI, Suzue KANATA, Yoko WATANABE, Noriko KUROSAKI, Toshio KUMADA, and Osamu TOI

Cancer antigens specific for ovarian cancer and malignant lymphoma in a carcinogen-transformed Bloom syndrome B-lymphoblastoid cell line . . . . . Yukimasa SHIRAISHI

On the chromosome polymorphisms and the sex determination mechanism of the chestnut aphid, *Lachnus tropicalis* (Homoptera) . . . . . Naoto MURAMOTO

The chromosome in the primitive or microlepidopterous moth-groups. II . . . . . Akito KAWAZOÉ

Karyological studies of two species of the Japanese coccinellid beetles, *Harmonia axyridis* Pallas and *Menochilus sexmaculatus* (Fabr.) . . . . . Hidehiro HOSHIBA and Keiko NIIJIMA

A case of a ring chromosome no. 22 with mental retardation . . . . . Tetsuji KADOTANI, Suzue KANATA, Yoko WATANABE, Noriko KUROSAKI, Toshio KUMADA, and Osamu TOI

Above six, communicated by Sajiro MAKINO, M. J. A.

Equilibrium, or nonequilibrium, of turbulent boundary layer flows . . . . . Itiro TANI, M. J. A.

Asexual reproduction of the stalked ciliate *Zoothamnium* attached to the copepod *Centropages abdominalis* . . . . . Sachiko NAGASAWA

Communicated by Naohide HIRATSUKA, M. J. A.

The geohistory of Japan from Latest Cretaceous to Paleogene. The developments of the Japanese Islands. IV . . . . . Toshio KIMURA

On the tuffaceous conglomerate at northwestern part of Koike in the Sakawa basin, Shikoku, Japan . . . . . Sumio SAKAGAMI and Katsumi UENO
Above two, communicated by Teiichi KOBAYASHI, M. J. A.
On the Damesellidae (Trilobita) in Eastern Asia . . . . . Teiichi KOBAYASHI, M. J. A.
On the Damesellian Province of the early Upper Cambrian age on the West Pacific side . . . . . Teiichi KOBAYASHI, M. J. A.
The mechanical activity of vertebrate visceral smooth muscle at varied tonicity of the external medium . . . Miho TORIDE and Haruo SUGI
Communicated by Yasuji KATSUKI, M. J. A.
Is nebulin the product of Duchenne muscular dystrophy gene? . . . . . Hideo SUGITA, Ikuya NONAKA, Yoshiharu ITOH, Atsushi ASAKURA, Di Hua HU, Sumiko KIMURA, and Koscak MARUYAMA
Communicated by Setsuro EBASHI, M. J. A.
Changes in the electrical resistivity of the central cone, Miharayama, of Izu-Oshima Volcano, associated with its eruption in November, 1986 . . . Takesi YUKUTAKE, Toshio YOSHINO, Hisashi UTADA, Hidefumi WATANABE, Yozo HAMANO, Yoichi SASAI, and Takafumi SHIMOMURA
Communicated by Takesi NAGATA, M. J. A.
On Siegel series for Hermitian forms . . . . . Shōyū NAGAOKA
On the rank of the elliptic curve $y^2=x^3+k$ . . . . . Shoichi KIHARA
On traces of Hecke operators on the Spaces of cusp forms of half-integral weight . . . . . Masaru UEDA
On Cayley-Hamilton's theorem and Amitsur-Levitzki's identity . . . . . Yoshio AGAOKA
Some new series of Hadamard matrices . . . . . Mieko YAMADA
Deux résultats sur les suites limite-périodiques . . . . . Jean Loup MAUCLAIRE
Above six, communicated by Shokichi IYANAGA, 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. Taro SAKAMOTO, M. J. A., had passed away on February 16, 1987. The members rose from their seats in silence, expressing profound sense of grief.

Next, Dr. Tokuji ICHIKAWA, M. J. A., paid a tribute of admiration to the late Dr. Hamao UMEZAWA's meritorious services to academic circles.

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

After that, a decision was made of the recipients of Prizes for this year as follows:

Imperial Prizes and Academy Prizes to:

Toshio FUKUYAMA for "Historical Studies of Buddhist Monuments" and "Historical Studies of Shinto Monuments" (Complete Works of Historical Studies of Japanese Architecture, Vols. I–IV)

Toshimitsu YAMAZAKI for "Experimental Studies on Meson

Physics"

Academy Prizes to:

Masamichi TSUBOI for "Molecular Structures of Nucleic Acids and Multiple Conformations in their Water Solutions"

Seiya UYEDA for "Geothermal Research on Tectonics of Island Arcs"

Shun-ichi IWASAKI for "Studies for High Density Magnetic Recording"

Yoshikatsu TSUBOI for "Research on Shell Construction and its Application to Large Span Structures"

Toshio SAWADA for "Studies on the Design of Storage Dams"

Nakao ISHIDA for "Discovery of Sendai Virus and Studies on its Structure and Function"

Kumao TOYOSHIMA for "Studies on *src*-family Oncogenes"

The Meeting adjourned at 4:50 p.m.

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