

PROCEEDINGS AT THE 787TH GENERAL MEETING

The 787th General Meeting of the Academy was held on Tuesday, March 12, 1985, at 1:00 p.m. Dr. Hiromi ARISAWA, President, taking the chair. Ninety-one members were present, and the following communications were made:

- The poetry of George Herbert Masao HIRAI, M. J. A.
 A recent reform of the social insurance scheme of pensions in Japan
 Yuzo YAMADA, M. J. A.
 The Grothendieck Conjecture and Padé Approximations
 D. V. CHUDNOVSKY and G. V. CHUDNOVSKY
 Communicated by Heisuke HIRONAKA, M. J. A.
 The response of midgut red chromatophores of the shrimp, *Caridina
 denticulata*, to the eyestalk hormone of different decapod species . .
 Mitsuharu MIYAWAKI and Takanori TSURUDA
 The karyological and the G-banding analyses of a polistes male wasp,
Parapolibia indica Saussure (Vespidae, Hymenoptera)
 Hidehiro HOSHIBA
 G-banding analysis of two species of the hornets, *Vespa mandarinia*
 Smith and *Vespa simillima xanthoptera* Cameron (Vespidae, Hymeno-
 ptera) Hidehiro HOSHIBA
 Cytogenetical studies on the Japanese raccoon dog. VII. Karyotype
 analysis of 22 specimens collected in Ishikawa, Yamaguchi, Osaka
 and Wakayama prefectures, Japan
 Tosihide H. YOSIDA, Masashi HARADA, and Masayasu Y. WADA
 Polymorphism of the external ora in the uterus of the inbred strains
 of the rat, *Rattus norvegicus*, and its genetics
 Tosihide H. YOSIDA and Kunitoshi SANO
 A new mutant, rough hair (*rh*), developed spontaneously in the F-344
 strain rat Tosihide H. YOSIDA and Akihiko MITA
 A case with a long arm duplication of the no. 7 chromosome
 Tetsuji KADOTANI, Suzue KANATA, Masako
 NAEMURA, Yoshio NAMBA, Nami MATSUO, and Yoko WATANABE
 A case with inv(9) (p11q13) Tetsuji
 KADOTANI, Yoko WATANABE, Nami MATSUO, and Kunihiro SAWANO
 Above eight, communicated by Sajiro MAKINO, M. J. A.
 A remark on ergodic theorems for pseudo-resolvents
 Tosinobu MURAMATU
 Cauchy problems for Fuchsian hyperbolic equations in spaces of func-
 tions of functions of Gevrey classes Hidetoshi TAHARA
 Well-posedness of the Cauchy problem for some weakly hyperbolic
 operators in Gevrey classes Shigeharu ITOH
 Infinitely many periodic solutions for the equation: $u_{tt} - u_{xx} \pm |u|^{p-1}u =$
 $f(x, t)$ Kazunaga TANAKA
 Above four, communicated by Kōsaku YOSIDA, M. J. A.
 Effect of a restricted reaction field (RRF) on enzymatic and non-en-
 zymatic reactions Hiroshi OZAKI and Yoshiharu IZUMI
 Communicated by Shiro AKABORI, M. J. A.
 Induction of tumors in the forestomach and liver of mice by feeding
 2-amino-3,4-dimethylimidazo [4,5-*f*]quinoline (MeIQ)
 Hiroko OHGAKI,

- Hirokazu HASEGAWA, Tamami KATO, Miki SUENAGA, Mikiyo UBUKATA,
Shigeaki SATO, Shozo TAKAYAMA, and Takashi SUGIMURA, M. J. A.
Localization of calcium-sensitive reversal mechanism in a cilium of
Paramecium Toshikazu HAMASAKI and Yutaka NAITOH
Communicated by Setsuro EBASHI, M. J. A.
- A new Inoceramid (Bivalvia) species from the Upper Cretaceous of
northeast Japan Tatsuro MATSUMOTO and Ryozo SUGIYAMA
- Discovery of dinosaur footprints from the Lower Cretaceous Sebayashi
Formation, Japan Masaki MATSUKAWA and Ikuwo OBATA
Above two, communicated by Teiichi KOBAYASHI, M. J. A.
- Occurrence of apatite and associated gangue minerals in the Toyoha
deposits, west Hokkaido, Japan . . Eijun OHTA and Katsumi MARUMO
Communicated by Takeo WATANABE, M. J. A.
- On certain elliptic conjugacy classes of the Siegel modular group . .
. Ki-ichiro HASHIMOTO
- On tight t -designs in compact symmetric spaces of rank one
. Eiichi BANNAI and Stuart G. HOGGAR
- Uniform distribution of some special sequences
. Kazuo GOTO and Takeshi KANO
Above three, 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. Yoshimoto YANASE M. J. A., had passed away on February 18, 1985. The members rose from their seats in silence, expressing profound sense of grief.

Next, 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 Prize and Academy Prize to:

Ryo SATO for "Biochemical Studies on the Microsomal Oxygenase System"

Academy Prizes to:

Kei SUZUKI for "History of Chinese Painting, Vols. 1 & 2"

Akigoro TAGA for "A Study of Chinese Genealogical Books, Vols. 1 & 2"

Minao HAYASHI for "Researches on Yin and Zhou Bronzes, Vol. 1"

Toshihide MASKAWA and Makoto KOBAYASHI for "Proposal of the Six-Quark Model"

Tomoko OHTA for "Theoretical Studies on Population Genetics at the Molecular Level"

Yoshiaki ARATA for "Development of Ultra High Energy Density Heat Source and its Application to Heat Processing"

Shosaku NUMA for "Studies on the Molecular Mechanism of Neural Signal Transmission"

Yuichi YAMAMURA for "Studies on Cell-mediated Immunity and its Modulation"

The Meeting adjourned at 4:30 p.m.

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