

## PROCEEDINGS AT THE 774TH GENERAL MEETING

The 774th General Meeting of the Academy was held on Monday, December 12, 1983, at 1:00 p.m., Dr. Hiromi ARISAWA, President, taking the chair. Eighty-eight members were present, and the following communications were made:

- Sufism and philosophy. On 'Ayn al-Quḍāt Hamadāni's theory of the multilayer structure of meaning . . . . Toshihiko IZUTSU, M. J. A.
- Amendment of the commercial law and the meeting of shareholders . . . . Kenichiro OSUMI, M. J. A.
- Karyotypes with C-banding patterns of two species in the genus *Salvelinus* of the family Salmonidae . . . . Takayoshi UEDA and Yoshio OJIMA
- Tetraploidy appeared in the offspring of triploid ginbuna, *Carassius auratus langsdorfi* (Cyprinidae, Pisces) . . . . Akinori TAKAI and Yoshio OJIMA
- Studies on the karyotype differentiation of the Norway rat. VI. Linkage analysis of the bared (*ba*) gene to the inversion pair no. 1 chromosome . . . . Toshide H. YOSIDA
- A case of partial trisomy for the long arm of the no. 15 chromosome . . . . Tetsuji KADOTANI, Suzue KANATA, Setsuji KUBO, Hidetoshi KODAMA, and Yoko WATANABE
- Maintenance and mass-propagation of an aneuploid in annual *Haplopappus gracilis* ( $2n=4$ ) by shoot tip cloning . . . . Ryuso TANAKA, Hideo IKEDA, Kenji TANIGUCHI, and Akeo WATANABE
- Above five, communicated by Sajiro MAKINO, M. J. A.
- Analytic singularities of solutions of the hyperbolic Cauchy problem . . . . Seiichiro WAKABAYASHI
- On poles of the rational solution of the Toda equation of Painlevé-IV type . . . . Yoshinori KAMETAKA
- Semivariation and operator semivariation of Hilbert space valued measures . . . . Yūichirō KAKIHARA
- An explicit estimate of sojourning time by intermittency with elementary method . . . . Jun KIGAMI
- Area criteria for functions to be Bloch, normal and Yosida . . . . Shinji YAMASHITA
- An integro-differential operator and the associated semigroup of operators . . . . Tadashi UENO
- Above six, communicated by Kōsaku YOSIDA, M. J. A.
- Structural features of bovine mitochondrial tRNA<sup>Ser</sup><sub>AGY</sub> lacking the D arm . . . . Takuya UEDA, Kimitsuna WATANABE, and Takahisa OHTA
- Communicated by Masao KOTANI, M. J. A.
- Contraction of cultured chick myotube before acquisition of cell membrane excitability . . . . Koji SAITO and Eijiro OZAWA
- Communicated by Setsuro EBASHI, M. J. A.
- Regulation of gene expression by a small RNA transcript (*micRNA*) in *Escherichia coli* K-12. . . . Takeshi MIZUNO, Mei-Yin CHOU, and Masayori INOUE
- Communicated by Shiro AKABORI, M. J. A.

- Structure related fluctuation of refractive indices of aqueous strong electrolyte solutions . . . Shizuo FUJIWARA and Yuko NISHIMOTO  
 Communicated by Kenjiro KIMURA, M. J. A.
- A note on the approximate functional equation for  $\zeta^2(s)$ . II . . . .  
 . . . . . Yoichi MOTOHASHI
- Deformations of complements of lines in  $P^2$  . . . Hironobu MAEDA
- On the cone of curves of algebraic varieties . . . Yujiro KAWAMATA  
 Above three, communicated by Kunihiro KODAIRA, M. J. A.
- Fundamental theorems in global knot theory. II . . . Itiro TAMURA
- On certain integrals over spheres . . . . . Takashi ONO
- A note on the number of irreducible characters in a  $p$ -block with normal defect group . . . . . Masafumi MURAI
- Class numbers of positive definite ternary quaternion hermitian forms  
 . . . . . Ki-ichiro HASHIMOTO  
 Above four, communicated by Shokichi IYANAGA, M. J. A.
- Infectivity of the cloned DNAs from multiple genome components of bean golden mosaic virus . . . . .  
 . . . . . Tsutou MORINAGA, Masato IKEGAMI, and Kin-ichiro MIURA  
 Communicated by Motoo KIMURA, 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, Chairmen of both Sections made reports on the matters dealt with at the respective Sectional Meetings.

Next, Finally, the recommendations of both Sections for the new Membership of the Academy, were accepted unanimously. The new members elected are:

Section I: Kiyosi YABUUTI (Oriental History, History of Chinese Science), Yōkichi YAJIMA (Ethics, Philosophy), Seiichi YOSHIDA (Japanese Literature), Takeo HIRAOKA (Sinology), Masao HIRAI (English Literature), Saburo KURUSU (Civil Law), Shimpei KATO (Philosophy of Law), Yoshitaka KOMATSU (Western Economic History).

Section II: Takesi NAGATA (Geophysics), Hideo YAMASHITA (Electrical Engineering), Norimune SODA (Mechanical Engineering), Kenichi FUKUI (Applied Chemistry), Shingo MITSUI (Agricultural Chemistry, Plant Nutrition and Fertilizer Science), Hisateru MITSUDA (Nutritional Chemistry, Food Science and Technology).

The Meeting adjourned at 4 : 25 p.m.

# 日本学士院紀要

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