

PROCEEDINGS AT THE 784TH GENERAL MEETING

The 784th General Meeting of the Academy was held on Wednesday, 12 December, 1984, at 1:15 p.m., Dr. Kenjiro KIMURA, Secretary-General, taking the chair. Ninety-six members were present, and the following communications were made:

- Les signes chez Taine Toshio SUGI, M. J. A.
 The social function of business and the doctrine of ultra vires for
 business corporations Seiji TANAKA, M. J. A.
 Anatomical, histological and karyological observations of an XXY male
 black rat born after γ -irradiation
 . . . Masayasu Y. WADA, Katsushi SUZUKI, and Tosihide H. YOSIDA
 Breeding, genetics and cytogenetics of the soft-furred rat, *Millardia*
meltada. II. Development of the black pigments and tumors in the
 inguinal regions, with special regard to the sexual difference of their
 occurrences Tosihide H. YOSIDA
 Breeding, genetics and cytogenetics of the soft-furred rat, *Millardia*
meltada. III. Establishment of two inbred strains developing the
 mammary tumor at the high incidence in the males
 Tosihide H. YOSIDA and Akihiko MITA
 A case with the interstitial deletion of the long arm of no. 5 chromo-
 some Tetsuji KADOTANI,
 Suzue KANATA, Setsuji KUBO, Hidetoshi KODAMA, and Yoko WATANABE
 Some features on the nucleolus organizer regions in the chromosomes
 of the cyprinid fishes. A preliminary report
 Akinori TAKAI and Yoshio OJIMA
 Above five, communicated by Sajiro MAKINO, M. J. A.
Ptilophyllum elongatum sp. nov., from the lower Barremian Kimiga-
 hama Formation, the Choshi Group, in the outer zone of Japan . .
 Tatsuaki KIMURA and Tamiko OHANA
 Discovery of bipinnate *Ptilophyllum* leaves (Bennettitales) from the
 Upper Jurassic Tochikubo Formation, Fukushima Prefecture, north-
 east Japan Tatsuaki KIMURA and Masanori TSUJII
 Above two, communicated by Teiichi KOBAYASHI, M. J. A.
 Spectral properties of random media Shin OZAWA
 A new proof of the Schiffer's identities on planar Riemann surfaces
 Yukio KUSUNOKI
 On a semilinear diffusion equation on a Riemannian manifold and its
 stable equilibrium solutions Shuichi JIMBO
 A note on sums and maxima of independent, identically distributed
 random variables Yuji KASAHARA
 Continuability of solutions of the generalized Liénard system with time
 delay Jitsuro SUGIE
 Estimation des fonctionnelles de Kac sur une variété compacte et
 première valeur propre de $\Delta + f$ Bernard GAVEAU
 Above six, communicated by Kôzaku YOSIDA, M. J. A.
 Effects of sex hormones on neonatal mouse vaginal epithelium *in vitro*
 Taisen IGUCHI
 Communicated by Kiyoshi TAKEWAKI, M. J. A.

- Geographic distribution of serum amylase type electrophoretic variations among *Sus scrofa* wild pig populations in eastern European and Asian regions Shozo SUZUKI, Kazue TANAKA, Yaetsu KUROSAWA, Vilen N. TIKHONOV, and Sergey P. KNYAZEV
Communicated by Shoei ISEKI, M. J. A.
- Characteristics of human interferon- α produced by a gene transferred by a baculovirus vector in the silkworm, *Bombyx mori* Susumu MAEDA, Takashi KAWAI, Masuo OBINATA, Toshie CHIKA, Tadashi HORIUCHI, Keiji MAEKAWA, Kokichi NAKASUJI, Yoshiyuki SAEKI, Yoshinari SATO, Kohji YAMADA, and Mitsuru FURUSAWA
Communicated by Toshio KUROKAWA, M. J. A.
- The effect of a substance P antagonist on chemically induced nociceptive reflex in the isolated spinal cord-tail preparation of the newborn rat Mitsuhiro YANAGISAWA and Masanori OTSUKA
- Stage specific myosins from amoeba and plasmodium of slime mold, *Physarum polycephalum* Kazuhiro KOHAMA and Hiromi TAKANO-OHMURO
- Myosin confers inhibitory Ca^{2+} -sensitivity on actin-myosin-ATP interaction of *Physarum polycephalum* plasmodium under physiological conditions Kazuhiro KOHAMA and Tomoko KOHAMA
Above three, communicated by Setsuro EBASHI, M. J. A.
- On some Euler products. II Nobushige KUROKAWA
- Invariant polynomials on compact complex manifolds Akito FUTAKI and Shigeyuki MORITA
- Family of Jacobian manifolds and characteristic classes of surface bundles Shigeyuki MORITA
- Invariance of the plurigenera of algebraic varieties under minimal model conjectures Noboru NAKAYAMA
- Links of homeomorphisms of surfaces and topological entropy Tsuyoshi KOBAYASHI
Above five, communicated by Kunihiko KODAIRA, M. J. A.
- Phylogeny and classification of hominoidea as inferred from DNA sequence data Masami HASEGAWA and Taka-aki YANO
Communicated by Motoo KIMURA, M. J. A.
- On semi-free unitary S^1 -manifolds Masayoshi KAMATA
- On the power semigroup of the group of integers . Takayuki TAMURA
Above two, 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, Chairmen of both Sections made reports on the matters dealt with at the respective Sectional Meetings.

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

Section I: Hajime NAKAMURA (Indian and Comparative Philosophy), Shiro MASUDA (Economic History and Western Economic History), Hideo AOYAMA (Theoretical Economics and Economical Sociology).

Section II: Saburo NAGAKURA (Physical Chemistry).

The Meeting adjourned at 5:05.

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