

PROCEEDINGS AT THE 872ND GENERAL MEETING

The 872nd General Meeting of the Academy was held on Tuesday, October 12, 1993, at 1:00 p.m., Dr. Yoshitaro WAKIMURA, President, taking the chair. Seventy-three members were present, and the following communications were made:

- The idea of "Philosophy" in Indian tradition Hajime NAKAMURA, M. J. A.
 Schumpeter on democracy Hisao KUMAGAI, M. J. A.
 Direct sequencing of *Butyrivibrio fibrisolvens* 16S rRNA genes and their 3'-and
 5'-flanking regions
 Su Jun DENG, Ronald M. TEATHER, Robert J. FORSTER, and Chuji HIRUKI
 Communicated by Naohide HIRATSUKA, M. J. A.
- Cytokine production by peripheral blood mononuclear cells and metabolic
 turnover of bone during pregnancy
 Hideoki FUKUOKA, Megumi KIRIYAMA, Makoto HIGURASHI, Toshie HONDA,
 Kazuo SATOH, Tsuyoshi OOISHI, Kazuhiro KUSHIDA, and Tetsuo INOUE
 Communicated by Masao ITO, M. J. A.
- Synthesis of polyesters by enzymatic ring-opening copolymerization using lipase
 catalyst Hiroshi UYAMA, Kazuhiro TAKEYA, and Shiro KOBAYASHI
 Communicated by Seizo OKAMURA, M. J. A.
- Evolution of the deep structure of seamounts viewed from gravity anomaly
 Yoshibumi TOMODA, M. J. A., and Yukihide AKIYAMA
- On the asymptotic formula for the number of representations of numbers as the
 sum of a prime and a k -th power Koichi KAWADA
- On a conjecture on pythagorean numbers. II Kei TAKAKUWA and You ASAEDA
- An example of elliptic curve over Q with rank ≥ 20 Koh-ichi NAGAO
- Compacité linéaire et lemme de Hensel Mohamed TABAA
- On the existence of characters of the Schur index 2 of the simple finite Steinberg
 groups of type $({}^2E_6)$ Zyozyu OHMORI
- On certain infinite series of Dirichlet type Masao TOYOIZUMI
- Explicit formulas and asymptotic expansions for certain mean square of Hurwitz
 zeta-functions Masanori KATSURADA and Kohji MATSUMOTO
 Above seven, communicated by Shokichi IYANAGA, M. J. A.
- On the intersection of continuous local tents Ryôtsuke IWAHASHI
- Nonlinear Perron-Frobenius problem for order-preserving mappings. I.
 Toshiko OGIWARA
- Nonlinear Perron-Frobenius problem for order-preserving mappings. II. Applica-
 tions Toshiko OGIWARA
- Some remarks on the class of Riemann surfaces with (W) -property Naondo JIN
- Meromorphic solutions of some second order differential equations
 Katsuya ISHIZAKI
- Resonance in the Cauchy problem of a parabolic equation Kunio NISHIOKA
 Above six, communicated by Kiyosi ITÔ, M. J. A.
- 3-Sasakian manifolds
 Charles P. BOYER, Krzysztof GALICKI, and Benjamin M. MANN
- Gauss decomposition of connection matrices and application to Yang-Baxter
 equation. II Kazuhiko AOMOTO and Yoshifumi KATO
 Above two, communicated by Heisuke HIRONAKA, M. J. A.
- Ordered binding model as a general tight coupling mechanism for bioenergy
 transduction. A hypothesis Ichiro YAMATO
- Infrared dichroism of an elastic portion (1200 kDa fragment) of connectin.
 Yuni NAKAUCHI, Akira TOYAMA, Issei HARADA, and Koscak MARUYAMA

Involvement of "thermal interference" in the multiple working strokes per hydrolyzed ATP observed in muscle contraction Kenichiro MOGI
Above three, communicated by Setsuro EBASHI, 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, Dr. Takeo NAGAMIYA, M. J. A., Dr. Takashi NAKADA, M. J. A., and Dr. Takao FUSAYAMA, M. J. A., paid a tribute of admiration to the late Dr. Masao KOTANI's, the late Dr. Masao YOSHIKI's, and the late Dr. Masahiro OKADA's meritorious services to academic circles respectively.

Next, the chairmen of both Sections made reports of the matters dealt with at the respective Sectional Meetings.

The Meeting adjourned at 5:15 p.m.

日本学士院紀要

平成五年十月 第六十九卷A 第八号

平成五年十一月五日 印刷

平成五年十一月八日 発行

編集兼
発行者 日本学士院
東京都台東区上野公園七の三十二
印刷所 株式会社東京プレス
東京都板橋区桜川二丁目二十七の十二
印刷者 依田義一
東京都板橋区桜川二丁目二十七の十二

Printed by
TOKYO PRESS COMPANY LIMITED
No. 27-12, Sakuragawa 2-chome, Itabashi-ku,
Tokyo 174 Japan
Tel.: (3932) 9291~4

