

PROCEEDINGS AT THE 813TH GENERAL MEETING

The 813th General Meeting of the Academy was held on Thursday, November 12, 1987, at 1:05 p.m., Dr. Toshio KUROKAWA, President, taking the chair. Eighty-six members were present, and the following communications were made:

- Emergence of a new type of contracts: Trade in information and know-how Takeyoshi KAWASHIMA, M. J. A.
- On the *Manchuroceras* and *Piloceras* provinces in the Ordovician period Teiichi KOBAYASHI, M. J. A.
- Comparison of Ordovician cephalopods between Australia and Eastern Asia Teiichi KOBAYASHI, M. J. A.
- Ordovician cephalopods in the Andes, South America Teiichi KOBAYASHI, M. J. A.
- Ordovician cephalopods in the boreal areas Teiichi KOBAYASHI, M. J. A.
- Necessary and sufficient conditions for the convergence of formal solutions Masafumi YOSHINO
- Expansive homeomorphisms of compact surfaces are pseudo-Anosov Koichi HIRAIDE
- Propagation of singularities for microdifferential equations with multiple self-tangential involutory characteristics Nobuyuki TOSE
- On a class of partially hypoelliptic microdifferential equations Nobuyuki TOSE and Moto-o UCHIDA
- The existence of solvable operators in the ideal . . . Shigeru HARUKI
- An extension of a uniform asymptotic stability theorem by Matrosov Teruyo WADA
- Above six, communicated by Kōsaku YOSIDA, M. J. A.
- On the classification of J-type carbon stars Kazuhiko UTSUMI
- Communicated by Yoshio FUJITA, M. J. A.
- Effect of carbon dioxide on conservation of physiological activities of animal tissues. I. Hyperthermic potassium contracture of rat skeletal muscle (*Musculus soleus*) Hisateru MITSUDA, M. J. A., Yasuyoshi AZUMA, and Saburo UENO
- Effect of carbon dioxide on conservation of physiological activities of animal tissues. II. Vasoactivities of preserved canine mesenteric arteries Tomio OHTA, Akihiro YASUDA, and Hisateru MITSUDA, M. J. A.
- A transgenic mouse model of familial amyloidotic polyneuropathy Shoji WAKASUGI, Takeaki INOMOTO, Shigehiro YI, Makoto NAITO, Masahiro UEHIRA, Tomohisa IWANAGA, Shuichiro MAEDA, Kimi ARAKI, Jun-ichi MIYAZAKI, Kiyoshi TAKAHASHI, Kazunori SHIMADA, and Ken-ichi YAMAMURA
- Communicated by Yuichi YAMAMURA, M. J. A.
- Sense-antisense strand similarity and its interpretation in evolutionary processes Takashi KUNISAWA
- Communicated by Masao KOTANI, M. J. A.
- Response properties of neurons in the medial geniculate body of unanesthetized guinea pigs to the species-specific vocalized sound Hidekazu TANAKA and Ikuo TANIGUCHI
- Communicated by Yasuji KATSUKI, M. J. A.

Automorphisms of bounded Reinhardt domains . . . Satoru SHIMIZU
 Sugawara operators and their applications to Kac-Kazhdan conjecture
 Takahiro HAYASHI
 Above two, communicated by Kunihiko KODAIRA, M. J. A.

Existence de bases opérateurs pour l'espace des solutions des équations
 aux dérivées partielles linéaires à coefficients constants. II
 H. CHARRIÈRE

Some remarks on the generation of subfields of ring class fields . . .
 François RAMAROSON

The 0-minimal ideal of the global of a combinatorial completely 0-simple
 semigroup Takayuki TAMURA and Kenya YAMAOKA

On a problem of Kodama concerning the Hasse-Witt matrix and the dis-
 tribution of residues Harald NIEDERREITER

Uniform distribution of the zeros of the Riemann zeta function and the
 mean value theorems of Dirichlet *L*-functions Akio FUJII
 Above five, communicated by Shokichi IYANAGA, M. J. A.

Male-driven molecular evolution demonstrated by different rates of
 silent substitutions between autosome- and sex chromosome-linked
 genes Takashi
 MIYATA, Hidenori HAYASHIDA, Kei-ichi KUMA, and Teruo YASUNAGA

Limited divergence of X-linked gene. Further supporting evidence for
 male-driven molecular evolution
 Kei-ichi KUMA and Takashi MIYATA
 Above two, 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, the Chairmen of both Sections made reports of the matters dealt with at the respective Sectional Meetings.

Then, the President reported the seventh meeting of the Japan Academy Public Lectures was opened to the public in the Academy Auditorium at 2:00 p.m. on Saturday, October 24, with Dr. Shigejiro TABATA, M. J. A., and Dr. Shiro MASUDA, M. J. A., as speakers, whose respective subjects were:

“The Right to Development as a Human Right—So-called ‘Third Generation of Human Rights’—”

“‘Civilization’ and ‘Culture’ in the World History”.

The Meeting adjourned at 4:50 p.m.

日本学士院紀要

昭和六十二年十一月 第六十三卷A 第九号

昭和六十二年十二月五日 印刷
昭和六十二年十二月八日 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 東 京 プ レ ス
会 社 東 京 都 板 橋 区 桜 川 二 丁 目 二 十 七 の 十 二
印刷者 依 田 高 夫
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.: (932) 9291~4

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