

PROCEEDINGS AT THE 864TH GENERAL MEETING

The 864th General Meeting of the Academy was held on Monday, December 14, 1992, at 1:05 p.m., Dr. Yoshitaro WAKIMURA, President, taking the chair. Eighty-two members were present, and the following communication were made:

- Royal consecration, bathing and dragon—Southeast Asian traditions—
 Tatsuro YAMAMOTO, M. J. A.
- The social contract as a fiction Saburo KURUSU, M. J. A.
- A criterion for algebraicity of analytic set germs Shuzo IZUMI
 Communicated by Heisuke HIRONAKA, M. J. A.
- On the Dirichlet form on a Lusinian state space Kazuaki NAKANE
- Criteria for the finiteness of restriction of $U(\mathfrak{g})$ -modules to subalgebras and
 applications to Harish-Chandra modules Hiroshi YAMASHITA
- Spectral concentration and resonances for unitary operators.
 Kazuo WATANABE
- A criterion for multivalent functions. Jian Lin LI
- On the starlikeness of the Alexander integral operator. Chunyi GAO
 Above five, communicated by Kiyosi ITÔ, M. J. A.
- Use of a new diamond composite for multianvil high-pressure apparatus
 Tetsuo IRIFUNE, Wataru UTSUMI, and Takehiko YAGI
- High-pressure synthesis of diamond from organic compounds.
 Akifumi ONODERA, Kaichi SUITO, and Yasuhiro MORIGAMI
- In situ* X-ray observation of iron hydride under high pressure and high
 temperature
 Masaaki YAMAKATA, Takehiko YAGI, Wataru UTSUMI, and Yuh FUKAI
 Above three, communicated by Syun-iti AKIMOTO, M. J. A.
- Primitive π -regular semigroups. Stojan BOGDANOVIĆ and Miroslav ĆIRIĆ
- On the cardinality of value set of polynomials with coefficients in a finite field.
 Javier GOMEZ-CALDERON
- On the regularity of prehomogeneous vector spaces Akihiko GYOJA
- A note on certain infinite products. Masao TOYOIZUMI
- Remarks to our former paper, "uniform distribution of some special sequences"
 Kazuo GOTO and Takeshi KANO
 Above five, communicated by Shokichi IYANAGA, M. J. A.
- Medium effect on chemical reactions. Hydrogen abstraction from Alkanes in liquid
 and solid phases Tsuneki ICHIKAWA and Hiroshi YOSHIDA
 Communicated by Seizo OKAMURA, M. J. A.
- Viral genome delivery into detached and intact leaf tissues of *Vigna unguiculata*
 by RNA-coated gold particles using the improved particle gun
 Chuji HIRUKI, Hideo KAKUTA,
 Zhongming GE, Gina FIGUEIREDO, Yasuyuki HASHIDOKO, and Junya MIZUTANI
- Distribution of plant pathogenic mollicutes in *Catharanthus roseus* determined by
in situ molecular hybridization and DNA staining with DAPI
 Chuji HIRUKI and Sujun DENG
 Above two, communicated by Naohide HIRATSUKA, M. J. A.
- Stimulus-transcription coupling can be studied by *in situ* hybridization on brain
 slice preparation. Selective *c-fos* expression in hippocampal CA3 pyramidal cells
 Yuko SEKINO, Takanori HASHIMOTO, and Kunihiko OBATA
 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, the chairmen of both Sections made reports of the matters dealt with at the respective Sectional Meetings.

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

Section I: Tatsusaburo HAYASHIYA (Japanese History), Masao MORI (Turcology), Masaaki KUBO (Classical Philology), Kiminobu HASHIMOTO (Constitutional Law and Administrative Law), Ichiro KATO (Civil Law), Kan'ichi FUKUDA (History of Political Theory), Noboru KOBAYASHI (History of Economic Thought).

Section II: Yoshibumi TOMODA (Geophysics), Hiroshi TSUJI (Aerospace and Mechanical Engineering).

The Meeting adjourned at 4 : 40 p.m.

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