

## PROCEEDINGS AT THE 733RD GENERAL MEETING

The 733rd General Meeting of the Academy was held on Monday, November 12, 1979 at 1:00 p.m., Dr. Kiyoo WADATI, President, taking the chair. Eighty-six members were present, and the following communications were made:

- The observations about the interior appearance and structure of the ancient tombs in Japan . . . . . Masao SUENAGA, M. J. A.  
 Independence of the judiciary . . . . . Yoshimoto YANASE, M. J. A.  
 Determination of cytokinins in bamboo shoots by mass spectrometry using selected ion monitoring . . . James A. MCCLOSKEY, Takeshi HASHIZUME, Brenda BASILE, Tamiji SUGIYAMA, and Soichi SEKIGUCHI  
 Communicated by Sankichi TAKEI, M. J. A.
- Studies on Holonomic quantum fields. XVI. Density matrix of impenetrable Bose gas . . . . .  
 . . . Michio JIMBO, Tetsuji MIWA, Yasuko MŌRI, and Mikio SATO  
 Poisson transformations on affine symmetric spaces . . Toshio OSHIMA  
 Remarks on Hadamard's variation of eigenvalues of the Laplacian . .  
 . . . . . Shin OZAWA
- On the limit distributions of decomposable Galton-Watson processes . . . . . Sadao SUGITANI
- The initial value problem for the equations of motion of compressible viscous and heat-conductive fluids . . . . .  
 . . . . . Akitaka MATSUMURA and Takaaki NISHIDA
- P*-convexity with respect to differential operators which act on linear subspaces . . . . . Shizuo NAKANE  
 Above six, communicated by Kōsaku YOSIDA, M. J. A.
- A case with a long arm duplication of the no. 3 chromosome . . . . .  
 . . . . . Tetsuji KADOTANI, Yoko WATANABE, Takako KIYUNA, Toshimi KAWAMOTO, Ichiro TAKEMURA, and Morihisa FUNATSU
- Cytogenetic studies of *Hynobiidae* (Urodela). I. Karyotypes of *Hynobius nebulosus nebulosus* (SCHLEGEL) and *Hynobius nebulosus tokyoensis* TAGO . . . . . Chikako IKEBE and Sei-ichi KOHNO
- Vascular architecture at the implantation site of the rabbit . . . . .  
 . . . . . Tsunenori NAKAMURA and Hiroyoshi NINOMIYA  
 Above three, communicated by Sajiro MAKINO, M. J. A.
- An extension of the Aumann-Perles' variational problem . . . . .  
 . . . . . Toru MARUYAMA  
 Communicated by Shokichi IYANAGA, M. J. A.
- Studies on secretor specific H antigen of water-soluble blood group substances. I. Findings of anti-H(Se) precipitin in eel sera . . . . .  
 . . Ken FURUKAWA, Keiko SEKI, Shin YAZAWA, and Osamu HOSOI  
 Communicated by Shoei ISEKI, M. J. A.
- A generalization of Poincaré normal functions on a polarized manifold . . . . . Kazuhiko AOMOTO
- A formula for the dimension of spaces of Siegel cusp forms of degree three . . . . . Ryuji TSUSHIMA
- Evaluation of Peirce's axiom on intermediate Kripke models and its application . . . . . Tsutomu HOSOI

- On a certain diophantine equation . . . . . Saburô UCHIYAMA  
 Above four, communicated by Kunihiko KODAIRA, M. J. A.
- Studies on bilirubin metabolism. VI. Preliminary structural elucidation of a new bilirubin conjugate "C" by investigating the dipyrrolic azo-derivatives by means of high-performance liquid chromatography . . . . . Tokio YAMAGUCHI, Hiroshi NAKAJIMA, Yasuo KOMODA, and Masayuki ISHIKAWA
- Studies on bilirubin metabolism. VII. Isolation and structural elucidation of a new bilirubin conjugate "C" . . . . . Yasuo KOMODA, Masayuki ISHIKAWA, Tokio YAMAGUCHI, and Hiroshi NAKAJIMA  
 Above two, communicated by Kenji YAMAOKA, M. J. A.
- Late mesozoic palaeofloristic provinces in East Asia . . . . . Tatsuaki KIMURA  
 . . . . . Communicated by Teiichi KOBAYASHI, M. J. A.
- Construction and identification of a bacterial plasmid containing the human fibroblast interferon gene sequence . . . . . Tadatsugu TANIGUCHI, Masaharu SAKAI, Yoshiaki FUJII-KURIYAMA, Masami MURAMATSU, Shigeyasu KOBAYASHI, and Tetsuo SUDO
- Preparation and characterization of ferromagnetic mitomycin C microcapsules as a means of magnetic control of anticancer drugs . . . . . Tetsuro KATO, Ryosuke NEMOTO, Hisashi MORI, Katsuo UNNO, Akio GOTO, Masaaki HARADA, and Motofumi HOMMA  
 Above two, communicated by Toshio KUROKAWA, 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. Teiji ICHIKO paid a high tribute to the late Dr. Isoji ASO's meritorious services to the academic circles.

Next, the Chairmen of both Sections made reports on the matters dealt with at the Sectional Meetings.

Then, the recommendations for the new Membership of the Academy, submitted by the Selection Committees of both Sections were accepted with unanimity. The new members are:

Section I: Shohei TAKAMURA, Mataji MIYAMOTO, Takeyoshi KAWASHIMA.

Section II: Yotsuo TORIYAMA, Yunoshin IMAI.

The Meeting adjourned at 4:45 p.m.

# 日本学士院紀要

昭和五十四年十一月 第五十五卷A 第九号

昭和五十四年十二月五日 印刷  
昭和五十四年十二月八日 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 株式会社 東京プレス  
東京都板橋区桜川二丁目二七の十二

印刷者 依田高夫  
東京都板橋区桜川二丁目二七の十二

Printed by  
TOKYO PRESS COMPANY LIMITED  
No. 27-12, Sakuragawa 2-chome, Itabashi-ku,  
Tokyo 174 Japan  
Tel.: (932) 9291~4

CONTENTS

*(Continued from Front Cover)*

|  | Page |
|--|------|
| S. UCHIYAMA: On a Diophantine Equation . . . . .   | 367  |
| Proceedings at the 733rd General Meeting . . . . . | XXXI |