

PROCEEDINGS AT THE 737TH GENERAL MEETING

The 737th General Meeting of the Academy was held on Wednesday, March 12, 1980 at 1:00 p.m., Dr. Kiyoo WADATI, President, taking the chair. Eighty-three members were present, and the following communications were made:

- Hennequin, successeur et critique de Taine . . . Toshio SUGI, M. J. A.
- On Prof. Hazime Kawakami: The Story of Poverty Yoshitaro WAKIMURA, M. J. A.
- A note on asymptotic strong convergence of nonlinear contraction semigroups Hiroko OKOCHI
- A solution to a problem on the asymptotic behavior of nonexpansive mappings and semigroups Simeon REICH
- Some Remarks on nonlinear ergodic theorems in Banach spaces Kazuo KOBAYASI and Isao MIYADERA
- Potential operators associated with absorbing Bessel processes Junji TAKEUCHI
- Monodromy preserving deformation of linear differential equations with irregular singular points Kimio UENO
- Monodromy preserving deformation and its application to soliton theory Kimio UENO
- Lévy's functional analysis in terms of an infinite dimensional Brownian motion. I Yoshihei HASEGAWA
- Lévy's functional analysis in terms of an infinite dimensional Brownian motion. II Yoshihei HASEGAWA
- Above eight, communicated by Kôzaku YOSIDA, M. J. A.
- Restoration of normal responsiveness of vaginal and uterine epithelia to estrogen in neonatally estrogenized, A-vitaminized adult mice Hiroshi TACHIBANA and Noboru TAKASUGI
- Communicated by Kiyoshi TAKEWAKI, M. J. A.
- The most probable mechanism of the negative geotaxis of *Paramecium caudatum* Keiji FUKUI and Hiroshi ASAI
- Communicated by Setsuro EBASHI, M. J. A.
- Ca²⁺ sensitive thin filament from chicken gizzard smooth muscle Yoshiaki NONOMURA, Takashi MIKAWA, and Setsuro EBASHI, M. J. A.
- Dynamics of ocean currents parallel to a long straight coast Koji HIDAKA, M. J. A.
- Agglutinins which react with *N*-deacetylase treated blood group A red cells and A substance in human sera Ken FURUKAWA and Kyoko MACHIDA
- Communicated by Shoei ISEKI, M. J. A.
- A study of the C-banded chromosomes in some species of Heteropteran insects Naoto MURAMOTO
- Y chromatin and estrogen Kumiko IJIMA, Makoto HIGURASHI, Shinobu MIYAHARA, Munehiro HIRAYAMA, and Keiko FUKUTANI
- Cytogenetic evidence of the giant diploid oocytes capable of developing into digynic triploids in the Chinese hamster Kenji FUNAKI and Kazuya MIKAMO

- Studies on interspecific hybridization in the rodents. III. Artificial insemination between *Rattus norvegicus*, *R. annandalei* and *R. losea* Tosihide H. YOSIDA and Choji TAYA
- Establishment of melanoma cell lines in chemically defined medium Kunio IWATA and Naomichi INUI
- The kinetochore of the Lepidoptera. I. Chromosomal features and behavior in mitotic and meiotic-I cells Kodo MAEKI
- A case of partial trisomy for the long arm of chromosome 9 Tetsuji KADOTANI, Yoko WATANABE, Takako KIYUNA, Toshimi KAWAMOTO, and Ichiro TAKEMURA
- Above seven, communicated by Sajiro MAKINO, M. J. A.
- On curvatures of homogeneous convex cones Tadashi TSUJI
- A modification of Cayley's family of cubic surfaces and birational action of $W(E_6)$ over it Isao NARUKI and Jiro SEKIGUCHI
- Cross ratios as moduli of cubic surfaces Isao NARUKI
- Extensions of partially ordered abelian groups Takayuki TAMURA
- A note on arithmetics in semigroups Kentaro MURATA
- Above five, communicated by Kunihiko KODAIRA, M. J. A.
- Selective blocking of odor and water response by parachloromercuribenzoate and uranyl ions Heihachiro ARITO and Sadayuki F. TAKAGI
- Communicated by Yasuji KATSUKI, M. J. A.
- Sapphirine from metamorphosed layered complex of Mt. Poroshiri, Hidaka metamorphic belt, Hokkaido Sumio MIYASHITA, Masayuki KOMATSU, and Seiji HASHIMOTO
- Communicated by Takeo WATANABE, M. J. A.
- Simultaneous measurements of temperature and pressure by the ruby fluorescence line Shinobu YAMAOKA, Osamu SHIMOMURA, and Osamu FUKUNAGA
- Communicated by Seitaro TSUBOI, M. J. A.
- Three new species of Permian trilobites from West Japan Teiichi KOBAYASHI, M. J. A., and Takashi HAMADA
- Fine structures in sulfur and iron X-ray emission spectra Yohichi GOHSHI and Hitoshi KAMADA
- Communicated by Takayuki SOMIYA, 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. Kazuo OKOCHI, M. J. A., and Dr. Eikichi HIRATSUKA, M. J. A., paid a high tribute respectively to the late Dr. Shinjiro KITAZAWA's and the late Dr. Toshitaro MORINAGA'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, decisions were made upon the recommendations of recipients of prizes for this year as follows:

Imperial Prize and Academy Prize to:

Yoshio OKADA for "Cell Fusion and Cell Engineering"

Academy Prizes to:

Seiji IMAHORI for "The Social Structure of Feudal China. Its Historical Background and Realities on the Eve of the 1949 Revolution"

Akira HIRAKAWA, Shunei HIRAI, Noriaki HAKAMAYA, Giei YOSHIZU, and So TAKAHASHI for "Index to the Abhidharma-kośhabhāṣya"

Yoshio ATOJI for "Georg Simmel's Sociological Method"

Sumio UMEZAWA for "Synthetic Studies on Aminoglycoside Antibiotics"

Koichi SHIMODA for "Studies on Laser Physics and Laser Spectroscopy"

Ko TAMADA for "Theoretical Studies on Transonic Flow Past an Aerofoil and Related Problems"

Hisateru MITSUDA for "Studies on the Biosynthesis of Vitamin B₂ and its Applications"

Tetsuji KAMETANI for "Total Synthesis of Natural Products via Petro Mass Spectral Synthesis"

The Meeting adjourned at 5:37 p.m.

日本学士院紀要

昭和五十五年三月 第五十六卷A 第三号

昭和五十五年四月五日 印刷
昭和五十五年四月八日 発行

編集兼 日 本 学 士 院
発行者 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
I. NARUKI and J. SEKIGUCHI: A Modification of Cayley's Family of Cubic Surfaces and Birational Action of $W(E_6)$ over It	122
I. NARUKI: Cross Ratios as Moduli of Cubic Surfaces	126
T. TAMURA: Extensions of Partially Ordered Abelian Groups	130
K. MURATA: A Note on Arithmetics in Semigroups	133
Proceedings at the 737th General Meeting	V