

PROCEEDINGS AT THE 708TH GENERAL MEETING

The 708th General Meeting of the Academy was held on Tuesday, April 12, 1977 at 1:00 p.m., Dr. Kiyoo WADATI, President, taking the chair. Eighty-nine members were present, and the following communications were made:

- On self-being Keiji NISHITANI, M. J. A.
 C-banding patterns in somatic and meiotic chromosomes of *Crepis capillaris* Ryuso TANAKA and Hiroko KOMATSU
 Interchromosomal connectives in squashed bone marrow cells of mice Susumu TAKAYAMA and Katsumi MATSUMOTO
 The control of growth and development in *Bombyx mori*. XXXVIII.
 Input pathway of light information to the brain of silkworm larvae Seijiro MOROHOSHI, Yukimoto MORITA, and Mitsuo TABATA
 Above three, communicated by Sajiro MAKINO, M. J. A.
 Metallo-anthocyanins. I. Reconstruction of commelinin from its components, awobanin, flavocommelin and magnesium. Kôzoku TAKEDA and Kôzô HAYASHI
 Kôzoku TAKEDA and Kôzô HAYASHI
 Communicated by Hiroshi TAMIYA, M. J. A.
 Studies on holonomic quantum fields. I Mikio SATO, Tetsuji MIWA, and Michio JIMBO
 Topologically nonequivalent diffeomorphisms whose suspensions are C^∞ equivalent Gikô Ikegami
 Bifurcation of stable stationary solutions from symmetric modes Yasumasa NISHIURA
 On the nilpotency indices of the radicals of group algebras of p -solvable groups. Shigeo KOSHITANI
 On commutative rings which have completely reducible torsion theories Kiyoichi OSHIRO
 On the homogeneous linear systems of differential equations with variable coefficients Minoru YAMAMOTO
 On the relations between the stability of linear systems and the characteristic roots of the coefficient matrix Yoshinori OKUNO and Minoru YAMAMOTO
 Above seven, communicated by Kôzoku YOSIDA, M. J. A.
 On the Deuring-Heilbronn phenomenon. II Yoichi MOTOHASHI
 Some remarks on Kodaira dimensions of fibre spaces . . Takao FUJITA
 Algebraic threefolds with ample tangent bundle . . Toshiki MABUCHI
 On the acyclicity of free cobar constructions. I . . Kazuhiko AOMOTO
 On the divisibility by 2 of the eigenvalues of Hecke operators Kazuyuki HATADA
 On Gallaghers's prime number theorem Yoichi MOTOHASHI
 On the periods of Enriques surfaces. II Eiji HORIKAWA
 Above seven, communicated by Kunihiko KODAIRA, M. J. A.
 Studies on hemoglobin metabolism. II. Kinetics of clearance from circulation and hepatic uptake of hemoglobin-haptoglobin complex Hajime TSUNOO,
 Yumi HIGA, Kohsuke KINO, Hiroshi NAKAJIMA, and Hideo HAMAGUCHI

- Studies on hemoglobin metabolism. III. Identification of rat liver cell membrane receptor specific for hemoglobin-haptoglobin complex *in vivo* Hajime TSUNOO, Yumi HIGA, Kohsuke KINO, Hiroshi NAKAJIMA, and Hideo HAMAGUCHI
 Above two, communicated by Kenji YAMAOKA, M. J. A.
- Cytotoxic and agglutinating activities of IgG, IgA, and IgM HLA antibodies Hayato HASEKURA, Jun-ichi YANAGIDA, Hiromitsu KASHIWADE, Koichi YOSHIMURA, Hiroshi NAKAMURA, and Masaaki HARA
 Communicated by Shoei ISEKI, M. J. A.
- Antimutagenic effect of elastatinal, a protease inhibitor from *Actinomyces* Kazuo UMEZAWA, Taijiro MATSUSHIMA, and Takashi SUGIMURA
- Demonstration of mutagenicity of aniline and *o*-toluidine by norharman Minako NAGAO, Takie YAHAGI, Masako HONDA, Yuko SEINO, Taijiro MATSUSHIMA, and Takashi SUGIMURA
 Above two, communicated by Hamao UMEZAWA, M. J. A.
- Heart attack induced experimentally with thromboxane A₂ Takio SHIMAMOTO, Masahiko KOBAYASHI, Takeo TAKAHASHI, Takeshi TOMOMIYA, Fujio NUMANO, and Shigenori MOROOKA
- Prevention by phthalazinol of thromboxane A₂-induced myocardial infarction in rabbits Takio SHIMAMOTO, Takeo TAKAHASHI, Yoshimi TAKASHIMA, Takeshi MOTOMIYA, Fujio NUMANO, and Masahiko KOBAYASHI
 Above two, communicated by Masahiro OKADA, 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, it was announced that Dr. Kenjiro SHODA, M. J. A., Chairman of Section II, had died on March 20, 1977; the members rose from their seats in silence, expressing a profound sense of grief.

Then, Dr. Masaakira KATSUMOTO, M. J. A., paid a high tribute to the late Dr. Hiroshi SUEKAWA's meritorious services to the academic circles.

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

The Meeting adjourned at 5:00 p.m.

日本学士院紀要

昭和五十二年四月 第五十三卷A 第一号

昭和五十二年五月五日 印刷
昭和五十二年五月八日 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

