

## PROCEEDINGS AT THE 751ST GENERAL MEETING

The 751st General Meeting of the Academy was held on Saturday, September 12, 1981, at 1:00 p.m., Dr. Hiromi ARISAWA, President, taking the chair. Eighty-six members were present, and the following communications were made:

- Tibetan inscription at Chü-yung-kuan . . . . Gajin NAGAO, M. J. A.  
 The "Rechtswissenschaft" and the social sciences . . . . .  
 . . . . . Takeyoshi KAWASHIMA, M. J. A.  
 Notes on cytogenetic effects of irradiation on the oocytes at meiotic  
 stages in the Chinese hamster . . . . . Shin-ichi SONTA  
 Klinefelter's syndrome with 46,XY/47,XXY/48,XXXXY mosaicism . . . .  
 . . . . . Kazuyuki ISHITOBI, Noriko NAKADA,  
 Shigeru MIYAGI, Tetsuhiro NINOMIYA, and Yoshimichi HARADA  
 Cytogenetic similarities between the Formosan serow (*Capricornis  
 swinhoi*) and the Japanese serow (*Capricornis crispus*) . . . . .  
 . . . . . Hiroaki SOMA, Hidemi KADA,  
 Kunio MATAYOSHI, Ming Tzong TSAI, Takashi KIYOKAWA, Takeyoshi  
 ITO, Kuan-Ping WANG, Basil P. C. CHEN, and Shu-Chu TSENG  
 Chromosome alteration and development of tumors. XXIV. Hypo-penta-  
 ploid chromosome constitution of a spontaneous tumor developed in  
 the Oceanian type black rat, with particular reference to centromeric  
 fission . . . . . Tosihide H. YOSIDA  
 Above four, communicated by Sajiro MAKINO, M. J. A.  
 The motivation of care for offsprings in the cichlid *Sarotherodon mos-  
 sambicus* . . . . . Munetaka WATANABE and Yoshinori TAMOTO  
 Augmentation of nuclear binding capacity for triiodothyronine by  
 aldosterone in tadpole tail . . . . .  
 . . . . . Kaoru NIKI, Katutoshi YOSHIZATO, and Sakaé KIKUYAMA  
 Above two, communicated by Kiyoshi TAKEWAKI, M. J. A.  
 A Remark on the Hadamard variational formula. II . . . . .  
 . . . . . Daisuke FUJIWARA  
 The  $\tau$  function of the Kadomtsev-Petviashvili equation. Transforma-  
 tion groups for soliton equations. I . . . . .  
 . . . . . Masaki KASHIWARA and Tetsuji MIWA  
 A note on quasilinear evolution equations. II . . . . Kiyoko FURUYA  
 "Borel" lines for meromorphic solutions of the difference equation  
 $y(x+1)=y(x)+1+\lambda/y(x)$  . . . . . Niro YANAGIHARA  
 A remark on the boundary behavior of quasiconformal mappings and  
 the classification of Riemann surfaces . . . . . Hiroshige SHIGA  
 Above five, communicated by Kôzaku YOSIDA, M. J. A.  
 Studies on fat-storing cells. I. Ingestion of Triton WR-1339 by fat-  
 storing cells . . . . . Sakae YUMOTO  
 Communicated by Teizo OGAWA, M. J. A.  
 Presence and levels of *cis*- and *trans*-methylthiozeatin riboside and *cis*-  
 and *trans*-zeatin riboside in tobacco plant determined by mass spectro-  
 metry . . . . . James A. MCCLOSKEY,  
 Brenda BASILE, Kazumasa KIMURA, and Takeshi HASHIZUME  
 Communicated by Sankichi TAKEI, M. J. A.

- On the genesis of leucite rock of Island Utsuryôtô (Ullungdo, Korea)  
 . . . . . Seitarô Tsuboi, M. J. A.
- On Kamaishilite,  $\text{Ca}_2\text{Al}_2\text{SiO}_6(\text{OH})_2$ , a new mineral dimorphous (tetra-  
 gonal) with bicchulite from the Kamaishi mine, Japan . . . . .  
 . . . . . Etsuo Uchida and J. Toshimichi Iiyama  
 Communicated by Seitarô Tsuboi, M. J. A.
- On the neighbourhood of a Hopf surface . . . . . Hajime Tsuji  
 Communicated by Kunihiko Kodaira, M. J. A.
- Class number calculation and elliptic unit. III. Sextic case . . . . .  
 . . . . . Ken Nakamura
- On Richardson classes of unipotent elements in semisimple algebraic  
 groups . . . . . Takeshi Hirai
- Modular forms of degree  $n$  and representation by quadratic forms. III.  
 Kloosterman's method . . . . . Yoshiyuki Kitaoka
- On the Galois cohomology groups of  $C_K/D_K$  . . Shin-ichi Katayama
- A variational problem relating to the theory of optimal economic  
 growth . . . . . Toru Maruyama  
 Above five, communicated by Shokichi Iyanaga, 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 President announced that Dr. Kiyoshi Masui, M. J. A., had died on August 6, 1981; Dr. Yoshinari Kuwada, M. J. A., on August 13, 1981; Dr. Hideki Yukawa, M. J. A., on September 8, 1981. The members rose from their seats in silence, expressing profound sense of grief.

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

The Meeting adjourned at 4:35 p.m.

# 日本学士院紀要

昭和五十六年九月 第五十七卷A 第七号

昭和五十六年十月五日 印刷  
昭和五十六年十月八日 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

