

PROCEEDINGS AT THE 802ND GENERAL MEETING

The 802nd General Meeting of the Academy was held on Monday, October 13, 1986, at 1:00 p.m., Dr. Hiromi ARISAWA, President, taking the chair. Eighty-seven members were present, and the following communications were made:

- The T'ian-jing Huo-wen and its influence in Japan Kiyosi YABUUTI, M. J. A.
- Yen/Dollar and determinants of exchange rate Ryuichiro TACHI, M. J. A.
- Clay mineralogical study on the upper 800 m of 1,400 m sediment core samples from Lake Biwa . . . Katsutoshi TOMITA and Shoji HORIE
Communicated by Ryoichi SADANAGA, M. J. A.
- Paleoenvironmental features of Lake Biwa deduced from carbon isotope compositions and organic C/N ratios of the upper 800-m sample of 1,400-m cored column Nobuyuki NAKAI
- Temperature fluctuation and glacial ages during Brunhes epoch deduced from carbon isotope studies of upper 250-m sediments in 1,400-m Lake Biwa cored column Nobuyuki NAKAI
- Determination of perylenequinones in sediments and soils. Conversion to perylene followed by gas chromatographic analysis Ryoshi ISHIWATARI and Tetsuya MATSUSHITA
- Carbohydrates in a 1400 m long core sample of Lake Biwa. Stability, index of paleoclimate, origins and age of the core sample Kazuko OGURA and Masahiro OCHIAI
Above four, communicated by Kenjiro KIMURA, M. J. A.
- Large-time behavior of solutions for hyperbolic-parabolic systems of conservation laws Shuichi KAWASHIMA
- Periodicity and almost periodicity of solutions to free boundary problems in Hele-Shaw flows Masahiro KUBO
- On Kakeya's maximal function Satoru IGARI
- Boundedness of closed linear operator T satisfying $R(T) \subset D(T)$ Yoshiaki OKAZAKI
- Some new two-step integration methods . . . Masaharu NAKASHIMA
- On the existence of polyharmonic functions in Lebesgue classes Yoshihiro MIZUTA
- Products of compact Fréchet spaces Ken-ichi TAMANO
Above seven, communicated by Kôzaku YOSIDA, M. J. A.
- Long-term cultivation of cells derived from a *Xenopus laevis* tumor Makoto ASASHIMA, Tetsuo SASAKI, and Tomoko TAKUMA
- Immunoreactivity for somatotropin, prolactin, TSH and ACTH in cells of the adenohypophysis of the turtle, *Pseudemys scripta* Yoshihiko OOTA
Above two, communicated by Kiyoshi TAKEWAKI, M. J. A.
- A chromosomal study on 121 cases with heavy mental retardation Suzue KANATA, Tetsuji KADOTANI, Yoko WATANABE, Hidetoshi KODAMA, Setsuji KUBO, Masako NAEMURA, and Yoshio NAMBA
- A heteromorphic chromosome of *Beryx splendens*, Berycidae (Pisces) Yoshio OJIMA and Tsukasa KIKUNO
Above two, communicated by Sajiro MAKINO, M. J. A.

- Inhibition of calcium-induced calcium release by dantrolene at mammalian body temperature Toshio OHTA and Makoto ENDO
 Communicated by Setsuro EBASHI, M. J. A.
- Cyclic changes of stiffness in artificially activated sea urchin eggs measured by centrifuge-microscope
 Yasuaki YOSHIMOTO, Julio PUDLES, and Yukio HIRAMOTO
 Communicated by Noburô KAMIYA, M. J. A.
- Etrog citron is latently infected with hop stunt viroid-like RNA . . .
 Teruo SANÔ, Tatsuji HATAYA, Atsushi SASAKI, and Eishiro SHIKATA
 Communicated by Naohide HIRATSUKA, M. J. A.
- Pluricanonical mappings of elliptic fiber spaces . . Yoshio FUJIMOTO
 A note on the mean value of the Zeta and L -functions. IV
 Yoichi MOTOHASHI
- String theories and prime number theories . . . Nobushige KUROKAWA
 Above three, communicated by Kunihiko KODAIRA, M. J. A.
- A comparison of the Cambrian Trilobites between the north and south sides of the Western Pacific Basin . . . Teiichi KOBAYASHI, M. J. A.
- Relation between the Ordovician Faunas of Asia and Australia . . .
 Teiichi KOBAYASHI, M. J. A.
- A remark on the λ -invariant of real quadratic fields
 Takashi FUKUDA, Keiichi KOMATSU, and Hideo WADA
- Class number relations of algebraic tori. II . . . Shin-ichi KATAYAMA
- Class numbers of positive definite binary and ternary unimodular hermitian forms Ki-ichiro HASHIMOTO and Harutaka KOSEKI
 Above two, 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. Seitarô Tsuboi, M. J. A., had passed away on September 22, 1986; Dr. Seijin NAGAO, M. J. A., on October 1, 1986. The Members rose from their seats in silence, expressing profound sense of grief.

After that, Dr. Kenichi FUKUI, M. J. A., and Dr. Naohide HIRATSUKA, M. J. A., paid a tribute of admiration to the late Dr. Ichiro SAKURADA's and the late Dr. Hitoshi KIHARA's meritorious services to academic circles.

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

Finally, a report was made by Dr. Tatsuro YAMAMOTO, M. J. A., on his mission to the 60th Session of the International Union of Academies held in Bruxelles in June this year.

The Meeting adjourned at 5:55 p.m.

日本学士院紀要

昭和六十一年十月 第六十二卷A 第八号

昭和六十一年十一月五日 印刷
昭和六十一年十一月八日 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二十七の十二
印刷者 依田高夫
東京都板橋区桜川二丁目二十七の十二

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

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