PROCEEDINGS AT THE 783RD GENERAL MEETING

The 783rd General Meeting of the Academy was held on Monday, November 12, 1984, at 1:00 p.m., Dr. Kenjiro KIMURA, Secretary-General, taking the chair. Ninety-six members were present, and the following communications were made:

Western astronomy in T'ang Dynasty, China . . . . . Kiyoshi YABUUTI, M. J. A.

Industrial archaeology in Britain . . Yoshitaka KOMATSU, M. J. A.

A possible circadian rhythm of the red chromatophores of the midgut of the freshwater shrimp, *Caridina denticulata* . . . . . Mitsuharu MIYAWAKI and Takanori TSURUDA

Sexual dimorphism in the behavior of the red chromatophores on the midgut of a freshwater shrimp, *Caridina denticulata* . . . . . Mitsuharu MIYAWAKI and Takanori TSURUDA

Studies on the karyotype differentiation of the Norway rat. XII. Morphological characteristics of the tetravalent formed in the first meiotic division of the 11-Y translocation heterozygotes in the NIG-III strain rat, with special regard to the analysis of the precocious dissociation of the dot-Y element . . . . . Tosihide H. YOSIDA and Masayasu Y. WADA

Studies on the karyotype differentiation of the Norway rat. XIII. Non-disjunction of the tetravalent in the meiotic division of the 11-Y Translocation heterozygotes produced in the NIG-III strain rat . . . . . Tosihide H. YOSIDA and Masayasu Y. WADA

Karyological and C-banding analyses of the male of the Japanese striped earwig, *Labidura riparia japonica* (de Hann) (Labiduridae, Dermaptera) . . . . . Hidehiro HOSHIBA, Seiroku SAKAI, and Emiko HOSHIBA

The early emerging male of the Japanese paper wasp, *Polistes snelleni* Saussure (Vespidae, Hymenoptera) and its chromosome . . . . . Hidehiro HOSHIBA and Masato ONO

A case with ring chromosome of no. 18 . . . . . Tetsuji KADOTANI and Yoko WATANABE

Above seven, communicated by Sajiro MAKINO, M. J. A.

Parthenogenesis in the viviparous scorpion, *Liocheles australasiae* . . . . . Toshiki MAKIOKA and Keiichi KOIKE

Communicated by Kiyoshi TAKEWAKI, M. J. A.

A stability theorem on the boundary identification for coefficients of hyperbolic equations . . . . . Takashi SUZUKI

The global hypoellipticity of a class of degenerate elliptic-parabolic operators . . . . . Kazuo AMANO

Parametrices and propagation of singularities near gliding points for mixed problems for symmetric hyperbolic systems. II . . . . . Kôji KUBOTA

An example of coherent singular homology groups . . Akira KOYAMA

A note on recurrent functions . . . . . Jirō EGAWA

On the algebra of absolutely convergent disk polynomial series . . . . . Yûichi KANJIN

Above six, communicated by Kôsaku YOSIDA, M. J. A.

Direct collision between two columnar objects of different materials. I. Fundamental theory . . . . . Genrokuro NISHIMURA
Direct collision between two columnar objects of different materials. II. Kinematics of two bars subsequent to the collision . . . . . Genrokuro NISHIMURA and Hideki SEKIYAMA
Direct collision between two columnar objects of different materials. III. Impact force . . . . . Genrokuro NISHIMURA, Tatsuo NARABAYASHI, and Hideki SEKIYAMA
Above three, communicated by Kiyoo WADATI, M. J. A.
Geological age of the Daedong flora in the Korean peninsula and its phytogeographical significance in Asia . . . . . Tatsuaki KIMURA and Bong-Kyun KIM
An aberrant ammonite genus from the cretaceous of Hokkaido . . . . . Tatsuro MATSUMOTO
Above two, communicated by Teiichi KOBAYASHI, M. J. A.
Resonance Raman evidence for the presence of the $Fe^{IV}=O$ bond in horseradish peroxidase compound II . . . . . Shinji HASHIMOTO, Yoshitaka TATSUNO, and Teizo KITAGAWA
Communicated by Masao KOTANI, M. J. A.
Circadian rhythm in neurospora includes oscillation of cyclic 3′, 5′-AMP level . . . . . .Kohji HASUNUMA
Communicated by Noburô KAMIYA, M. J. A.
Remark on nilpotency of derivations . . . . . Lung O. CHUNG, Yuji KOBAYASHI, and Jiang LUH
On certain cubic fields. VI . . . . . Mutsuo WATABE
On zero-divisors in reduced group rings over ordered groups . . . . . W. B. VASANTHA
Above three, communicated by Shokichi IYANAGA, M. J. A.
On some Euler products. I . . . . . Nobushige KUROKAWA
On differential operators and congruences for Siegel modular forms of degree two . . . . . Takakazu SATOH
Above two, communicated by Kunihiko KODAIRA, 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. Mikio SUMIYA, M. J. A., Dr. Kiyoo WADATI, M. J. A., Dr. Yōkichi YAJIMA, M. J. A., paid a tribute of admiration to the late Dr. Kazuo OKOCHI's, the late Dr. Koji HIDAKA's, the late Dr. Masamichi SHIMMEI's meritorious services to academic circles.

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

Then, it was submitted to elect Prof. Dr. William Gerald BEASLEY and Prof. Dr. Georg Friedrich MELCHERS to the Honorary Membership of the Academy of the recommendation by Section I and Section II, respectively. This was approved unanimously.

Finally, the President reported the first meeting of the Japan Academy Public Lectures was opened to the public in the Academy

Auditorium at 2: 00 p.m. on Saturday, October 20, with Dr. Taro SAKAMOTO, M. J. A., and Dr. Shigemitsu DANDO, M. J. A., as speakers, whose respective subjects were:

"Civilian control principle in the Japanese ancient legal code (*Ritsuryō*) and its tradition"

"Subjectivity and objectivity in court decisions".

The Meeting adjourned at 6: 00 p.m.

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