PROCEEDINGS AT THE 745TH GENERAL MEETING

The 745th General Meeting of the Academy was held on Monday, January 12, 1981, at 1:00 p.m., Dr. Hiromi ARISAWA, President, taking the chair. Ninety-two members were present, and the following communications were made:

The biography of Godai Tomoatsu, especially about Koseikan (the mine company) and Tyoyokan (the indigo factory) operated by Godai . . . . Mataji MIYAMOTO, M.J.A.

An approximate positive of essentially self-adjoint pseudo-differential operator . . . . Daisuke FUJIWARA

A note on a regularity of irreducible characters of a non-connected Lie group . . . · . . . . C. FRONSDAL and T. HIRAI

The spectrum of the Laplacian of a Z_3-invariant domain . . . . Masao TANIKAWA

Global solution of the initial value problem for a discrete velocity model of the Boltzmann equation . . . . . Shuichi KAWASHIMA

Bochner problem on a topological vector space with a quasi-invariant measure . . . . Yoshiaki OKAZAKI

The Lax-Milgram theorem for Banach spaces. II . . S. RAMASWAMY

Scattering techniques in transmutation and some connection formulas for special functions . . . Robert CARROLL and John E. GILBERT

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

A karyotype study of colored-carp (*Cyprinus carpio*). A preliminary report . . . . Yoshio OJIMA and Akinori TAKAI

Cytogenetic studies on the Indian spiny mouse, *Mus platythrix*. I. Frequency of sister chromatid exchanges in lung primary cultures . . . . Tosihide H. YOSIDA and Toru INOUE

Active development in preimplantation stages of giant digynic triploids in the Chinese hamster . . . . Kenji FUNAKI

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

On conformal diffeomorphisms between product Riemannian manifolds . . . . Yoshihiro TASHIRO

Simple singularities and infinitesimally symmetric spaces . . . . Jiro SEKIGUCHI and Yasuhiro SHIMIZU

On Siegel eigenforms . . . . Nobushige KUROKAWA

On Eisenstein series for Siegel modular groups . . . . Nobushige KUROKAWA

Above four, communicated by Kunihiko KODAIRA, M.J.A.

Class number calculation and elliptic unit. I. Cubic case . . . . Ken NAKAMULA

Note on cyclic Galois extensions . . . . Kozo SUGANO

A summation method for linearly ordered series . . Kanesiroo ISEKI

On certain numerical invariants of mappings over finite fields. IV . . . . Takashi ONO

Suites limite-périodiques et théorie des nombres. IV . . . . J.-L. MAUCLAIRE

Zeta functions in several variables-associated with prehomogeneous vector spaces. I. Functional equations . . . . . Fumihiro SATO

Above six, 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. Moritaro YAMADA, M. J. A., had died on December 28, 1980. The members rose from their seats in silence, expressing profound sense of grief.

Next, Dr. Seiichi TÔBATA, M. J. A., paid a high tribute to the late Dr. Masao OTSUKI's meritorious services to the academic circles.

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

After that, it was submitted to elect Dr. Derek S. BREWER to the Honorary Membership of the Academy on the recommendation by Section I. This was approved unanimously.

Then, the President made a reports on the activities of the Academy in 1980.

Finally, the President introduced to the Meeting the following new members:

Gajin NAGAO, Nobushige UKAI, Shigejiro TABATA, Koichiro SUZUKI, Yoshihide KOZAI, and Shinji FUKUI.

The Meeting adjourned at 5 : 05 p.m.

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