PROCEEDINGS AT THE 898TH GENERAL MEETING

The 898th General Meeting of the Academy was held on Friday, April 12, 1996, at 1:00 p.m., Dr. Yoshio FUJITA, President, taking the chair. Ninety-five members were present, and the following communications were made:

Central problems of the Bible. . . . . Masao SEKINE, M. J. A.

The Great Awakening and the American Revolution. . . . . Makoto SAITO, M. J. A.

A new development of carbon chemistry . . . . Kenichi FUKUI, M. J. A.

Gathering of charged colloid particles near like charged entities. . . . .
. . . . Kensaku ITO, Tadashi MURAMOTO, and Hiromi KITANO
Communicated by Seizo OKAMURA, M. J. A.

Upper mantle structure beneath the Japan Trench and Tohoku Arc viewed from mantle bouguer
anomalies . . . . Hiromi FUJIMOTO and Maki ITO
Communicated by Yoshibumi TOMODA, M. J. A.

Acidic and basic fibroblast growth factors improve spatial learning imparied by fimbria-fornix lesion
in rat . . . . Hiroyuki AMINO, Hiroshi SAITO, and Nobuyoshi NISHIYAMA

Assembly of hepatitis C virus antigens expressed from a recombinant vaccinia virus . . . .
. . . . Shigeru YOSHIDA, Sadao MANABE, Osamu
TANISHITA, Chie KAJI, Yasuyuki GOMI, Chisato MORI, Akihisa TAKAMIZAWA, and Hiroto OKAYAMA

Crossline-like structure accumulates as fluorescent advanced glycation end products in renal tissues
of rats with diabetic nephropathy . . . . Kazuharu IENAGA, Hideharu
KAKITA, Toshikazu HOCHI, Ko NAKAMURA, Yoshitaka NAKAZAWA, Yasutsugu FUKUNAGA,
Shin-ichiro AOKI, Goji HASEGAWA, Yoshinobu TSUTSUMI, Yoshihiro KITAGAWA, and Koji NAKANO
Above three, communicated by Masanori OTSUKA, M. J. A.

Some integral transforms in the space of entire functions of exponential type . . . .
. . . . Vu Kim TUAN, Megumi SAIGO, and Din Thanh DUC

The embeddings of discrete series into principal series for an exceptional real simple lie group of
type G_2 . . . . Tetsumi YOSHINAGA and Hiroshi YAMASHITA

Connection formulae for solutions of a system of partial differential equations associated with the
confluent hypergeometric function Φ_2 . . . . Shun SIMOMURA

Degenerating problem with directional derivative for quasilinear elliptic equations of second order
. . . . Dian. K. PALAGACHEV and Peter. R. POPIVANOV
Above four, communicated by Kiyosi ITÔ, M. J. A.

Remark on upper bounds for $L(1, \chi)$ . . . . Shin-ichi KATAYAMA

On the diophantine equation $x(x + 1) = y(y + 1)z^2$ . . . . Kenji KASHIHARA

On the diophantine equation $2^a X^4 + 2^b Y^4 = 2^c Z^4$ . . . . Yasutaka SUZUKI
Above three, 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. Tetuo NOZOE, M. J. A., had passed away on April 9, 1996. The members rose from their seats in silence, expressing profound sense of grief.

Next, Dr. Ichiro KAWAMOTO, M. J. A., and Dr. Ryoichi SADANAGA, M. J. A., paid a tribute of admiration to the late Dr. Takeo SUZUKI's, and the late Dr. Teiichi KOBAYASHI's meritorious services to academic circles, respectively.

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

After that, a decision was made of the recipients of Prizes for this year as follows:

Imperial Prize and Japan Academy Prize to:
  Tasuku HONJO for "Studies on Regulation of Immunoglobulin Class Switching"
Japan Academy Prizes to:
  Yutaka HIRATA for *The Era of Buddhist Painters*
  Junjiro KANAMORI for "Theory of Ferromagnetic Transition Metal Alloys"
  Shinzo WATANABE for "Study of Stochastic Analysis"
  Masatoshi TAKEICHI for "Discovery of Cadherins Indispensable for Cell-Cell Adhesion in Animals, and Elucidation of their Function"
  Mamoru HOSAKA and Toshio SATA for "Collaborative Research on Integration of Design and Manufacturing"
  Tadashi INAGAMI and Kazuo MURAKAMI for "Biochemical and Molecular Biological Studies of Renin-angiotensin System"
  Morio IKEHARA and Eiko OHTSUKA for "Synthesis and Functional Studies on Nucleic Acids—Synthetic c-Ha-*ras* Gene and Related Subjects"
Duke of Edinburgh Prize for 1996 to:
  Hiroya KAWANABE for "Ecological Studies on the Maintenance and Conservation of Biological Diversity in Freshwater Fishes"

The Meeting adjourned at 4:55 p.m.

日本学士院紀要

PROCEEDINGS OF THE JAPAN ACADEMY

SERIES A
MATHEMATICAL SCIENCES

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Papers Communicated:—