

## PROCEEDINGS AT THE 781ST GENERAL MEETING

The 781st General Meeting of the Academy was held on Wednesday, September 12, 1984, at 1:00 p.m., Dr. Hiromi ARISAWA, President, taking the chair. Ninety-six members were present, and the following communications were made:

- Philosophy, magic and art in the Renaissance . . . . . Torataro SHIMOMURA, M. J. A.
- Interpretations of the word "Equality"—A study of American constitutional law— . . . . . Nobushige UKAI, M. J. A.
- Studies on the karyotype differentiation in the Norway rat. XI. Translocation between pair nos. 1 and 12 occurred in a WKS-strain rat after  $\gamma$ -irradiation and its transmission to the offspring . . . . . Toshihide H. YOSIDA
- Association of the X and Y chromosomes in the first meiotic division of the black and the Norway rats . . . . . Masayasu Y. WADA, Katsushi SUZUKI, and Toshihide H. YOSIDA
- Karyotype and C-banding analysis of the common seaside earwig, *Anisolabis maritima* (Bonelli) (Anisolabididae, Dermaptera) . . . . . Hidehiro HOSHIBA, Seiroku SAKAI, and Emiko HOSHIBA
- The C-banding analysis of the diploid male and female honeybee (*Apis mellifera*) . . . . . Hidehiro HOSHIBA
- Occurrence of white chromatophores in the midgut, hindgut and ventral nerve cord of the freshwater shrimp, *Caridina denticulata* . . . . . Mitsuharu MIYAWAKI and Takanori TSURUDA
- Biochemical evidence for the genetic differentiation between two morphologically very similar species of *Neope* (Lepidoptera, Satyridae) from Japan . . . . . Norimasa MATSUOKA, Yoshihiko CHIBA, and Kazuo SAITOH
- Karyological characteristics of the brown trout, the Japanese char and their hybrids . . . . . Takayoshi UEDA and Yoshio OJIMA
- A simple technique for production of chimeric mouse embryos . . . . . Takashi AWATA, Akira ONISHI, and Susumu MURAMATSU
- A case of partial monosomy for the long arm of the no. 9 chromosome . . . . . Tetsuji KADOTANI, Suzue KANATA, Setsuji KUBO, Hidetoshi KODAMA, and Yoko WATANABE
- Above nine, communicated by Sajiyo MAKINO, M. J. A.
- Specific antibody to the urine samples of human adult males . . . . . Koichiro KISHI, Reiko IIDA, and Shoei ISEKI, M. J. A.
- On the ergodicity of solutions of nonlinear evolution equations with periodic forcings . . . . . Norimichi HIRANO
- Continuity of the inverse of a certain integral operator . . . . . Yoshio HAYASHI
- Explosion problems for symmetric Diffusion processes . . . . . Kanji ICHIHARA
- On the Banach-Saks property . . . . . Nolio OKADA
- On the Ito formula of noncausal type . . . . . Shigeyoshi OGAWA and Takeshi SEKIGUCHI
- General solutions of Witten's gauge-field equations . . . . . Norio SUZUKI
- Above six, communicated by Kôzaku YOSIDA, M. J. A.
- Identification of the telluric  $H_2O$  lines in the photographic infrared spectral region of carbon stars . . . . . Yoshio FUJITA, M. J. A.