

## PROCEEDINGS AT THE 921ST GENERAL MEETING

The 921st General Meeting of the Academy was held on Monday, September 14, 1998, at 1:05 p.m., Dr. Yoshio FUJITA, President, taking the chair. Ninety-two members were present, and the following communications were made:

- Psychoanalysis and Buddhist selflessness . . . . . Gadjin NAGAO, M. J. A.  
 Ocean régime . . . . . Shigeru ODA, M. J. A.  
 A chemical study on “Yakatsu (冷葛)” stored in Shosoin repository. Isolation and characterization of four indole alkaloids from a 1250 year-old sample of the Chinese toxic medicine . . . . .  
 . . . . . Mariko KITAJIMA, Yukiko ARAI, Hiromitsu TAKAYAMA, and Norio AIMI  
 Communicated by Shoji SHIBATA, M. J. A.  
 Dynamic aspects of protein function. I. Rationale of mathematical approach . . . . .  
 . . . . . Yukio KIHŌ, Christopher PALMER, Yoshihiro SHIKATA, Shigeru FURUICHI, and Kunio OSHIMA  
 Dynamic aspects of protein function. II. Metastable functional system of trypsin . . . . .  
 . . . . . Yukio KIHŌ, Aiko UBASAWA, Turuji IWAI, Shiegeru FURUICHI, Kunio OSHIMA  
 Above two, communicated by Yosio OKADA, M. J. A.  
 Dynamic aspects of protein function. III. Comparison of homologous proteins isolated from various species . . . . .  
 . . . . . Yukio KIHŌ, Kunio TORIYAMA, Christopher PALMER, Keizo MIYATA, Toshio NAKAJIMA, Kevin CROSBY, Takahiro HAGA, Emi NAGOSHI, Kunio OSHIMA, Yoshio OKADA, M. J. A., and Turuji IWAI  
 Anomalous “deuterium-reaction energies” within solid . . . . . Yoshiaki ARATA, M. J. A., and Yue-Chang ZHANG  
 Three facts of valuation theory . . . . . Bernard TEISSIER  
 Gröbner deformations of regular holonomic systems . . . . .  
 . . . . . Mutsumi SAITO, Bernd STURMFELS, and Nobuki TAKAYAMA  
 Above two, communicated by Heisuke HIRONAKA, M. J. A.  
 Simplified proof of an order preserving operator inequality . . . . . Takayuki FURUTA  
 Communicated by Kiyosi ITŌ, M. J. A.  
 On the rank of the elliptic curve  $y^2 = x^3 + kx$  . . . . . Shoichi KIHARA  
 Construction of Jacobi cusp forms . . . . . Hiroshi SAKATA  
 On a family of quadratic fields whose class numbers are divisible by five. . . . . Masahiko SASE  
 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. Yoshitaka IRIYA, M. J. A., had passed away on June 30, 1998; the members rose from their seats in silence, expressing profound sense of grief.

Next, Dr. Shigeto TSURU, M. J. A., paid a tribute of admiration to the late Dr. Yoshikazu MIYAZAKI’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. Masaaki KUBO, M. J. A., on his mission to the 72nd Session of the International Union of Academies held in Brussels in June this year.

The Meeting adjourned at 5:05 p.m.



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# PROCEEDINGS OF THE JAPAN ACADEMY

## SERIES A MATHEMATICAL SCIENCES

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