

## PROCEEDINGS AT THE 853RD GENERAL MEETING

The 853rd General Meeting of the Academy was held on Tuesday, November 12, 1991, at 1:05 p.m., Dr. Yoshitaro WAKIMURA, President, taking the chair. Eighty-three members were present, and the following communication were made:

- Humour and irony in the Bible. . . . . Masao SEKINE, M. J. A.  
 Scientific and technological progress and theories of human rights . . . . .  
 . . . . . Nobuyoshi ASHIBE, M. J. A.  
 Factors required for differentiation of chick precardiac mesoderm cultured *in vitro* . . . . . Yoshihito YAMAZAKI and Reiji HIRAKOW  
 . . . . . Communicated by Katsuma DAN, M. J. A.  
 Characterization of myosin isolated from bodywall smooth muscle of the annelid, *Urechis unicinctus*. . . . . Nobuyuki  
 KANAZAWA, Yuuki KAWAMURA, Akira MATSUNO, and Kosak MARUYAMA  
 . . . . . Communicated by Setsuro EBASHI, M. J. A.  
 Dissolution of silicon and oxygen in molten iron at high pressure and temperature . . . . . Eiji ITO and Tomoo KATSURA  
 Formation of hexagonal diamond by room temperature compression of graphite. . . . . Wataru UTSUMI and Takehiko YAGI  
 . . . . . Above two, communicated by Syun-iti AKIMOTO, M. J. A.  
 On the equation describing the random motion of mutually reflecting molecules . . . . . Yasumasa SAISHO  
 On the asymptotic remainder estimate for the eigenvalues of operators associated with strongly elliptic sesquilinear forms. . . . . Yôichi MIYAZAKI  
 Weakly compact weighted composition operators on certain subspaces of  $C(X, E)$ . . . . . Hiroyuki TAKAGI and Junzo WADA  
 A note on the class-number of real quadratic fields with prime discriminants . . . . . Hideo YOKOI  
 A class of inclusion theorems associated with some fractional integral operators . . . . . Yong Chan KIM, Young Soo PARK, and H. M. SRIVASTAVA  
 On the starlikeness of the Bernardi integral operator . . . . . Rosihan M. ALI and D. K. THOMAS  
 . . . . . Above six communicated by Shokichi IYANAGA, M. J. A.  
 Ultra-small-angle X-ray scattering study of the structure of colloidal dispersions . . . . . Hideki MATSUOKA, Koji KAKIGAMI, and Norio ISE  
 . . . . . Communicated by Seizo OKAMURA, 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. Naohide HIRATSUKA, M. J. A., paid a tribute of admiration to the late Dr. Teikichi FUKUSHI's meritorious services to academic circles.

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

Finally, the President reported that the fifteenth meeting of the Japan Academy Public Lectures was opened to the public in the Academy Auditorium at 2:00 p.m. on Saturday, October 26, with Dr. Masami TOBARI, M. J. A., and Sueo IKEHARA, M. J. A., as speakers, whose respective subjects were: