

**Memoirs of  
the Faculty of Engineering  
Nagoya University**

**Vol. 28, No. 2**

**November, 1976  
Nagoya, Japan**

These publications are issued periodically. (semi-annual)

The original and selected works are collected and recorded for the future and for information abroad; the authors of these works are the researchers of the Faculty, *i. e.*, the professors, the lecturers and the co-workers.

The authors alone are responsible for the contents of these Memoirs.

All communications relating to these Memoirs should be addressed to the Dean of the Faculty of Engineering, Nagoya University, Furō-chō, Chikusa-ku, Nagoya, Japan.

Dean of the Faculty : Prof. Seiki NISHI

#### Editorial Committee

Chairman : Prof. Shigeo UCHIDA

Prof. Yasuo KASUGA	(Mechanical Eng.)
Prof. Yoshio OHASHI	(Mechanical Eng.)
Prof. Shigeyoshi MIYAJIMA	(Electrical Eng.)
Prof. Mataji KOMAI	(Electrical Eng.)
Prof. Takehiko TAKAHASHI	(Applied Chemistry)
Prof. Ichiro NODA	(Synthetic Chemistry)
Prof. Hiroshi SAKAO	(Metallurgy)
Prof. Kengo ADACHI	(Iron and Steel Eng.)
Prof. Eizoo SADA	(Chemical Eng.)
Prof. Shinichi SUZUKI	(Aeronautical Eng.)
Prof. Shinji KUWABARA	(Applied Physics)
Prof. Masao NARUOKA	(Civil Eng.)
Prof. Takehisa KODERA	(Architecture)
Prof. Tomoo KIRIHARA	(Nuclear Eng.)
Prof. Kahei NAKAMURA	(Information and Control)