

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

Vol. 12, No. 1

**May, 1960
Nagoya, Japan**

These publications are issued periodically.

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 Director of the Faculty of Engineering, Nagoya University, Furo-cho, Chikusa-ku, Nagoya, Japan.

Publication Committee

Prof. Akira KOBAYASHI	(Chairman)
Prof. Tarō SUGA	(Applied physics)
Prof. Shizuo DOI	(Mechanical Eng.)
Prof. Sigeo UCHIDA	(Aeronautical and Space Eng.)
Prof. Ukichi SHINOHARA	(Electrical Eng.)
Prof. Tetsuya ARIZUMI	(Electronics)
Prof. Toshio YAMAMOTO	(Automatic Control Eng.)
Prof. Harujiro SEKIGUCHI	(Metallurgy)
Prof. Yukio OKAMURA	(Chemical Eng.)
Prof. Yoshiyuki TOYAMA	(Applied Chemistry)