## Memoirs of the FACULTY OF ENGINEERING KYOTO UNIVERSITY

VOLUME XXII PART 3

JULY 1960

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This memoirs is issued quarterly by the University to publish the original contributions to engineering science made or communicated by the members of the faculty. The faculty consists of following departments:

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Dept. of Metallurgy

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All communications regarding the memoirs should be addressed to the dean of the faculty,

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