## KAWASAKI STEEL TECHNICAL REPORT

No.19 (November 1988)

Steel Pipe

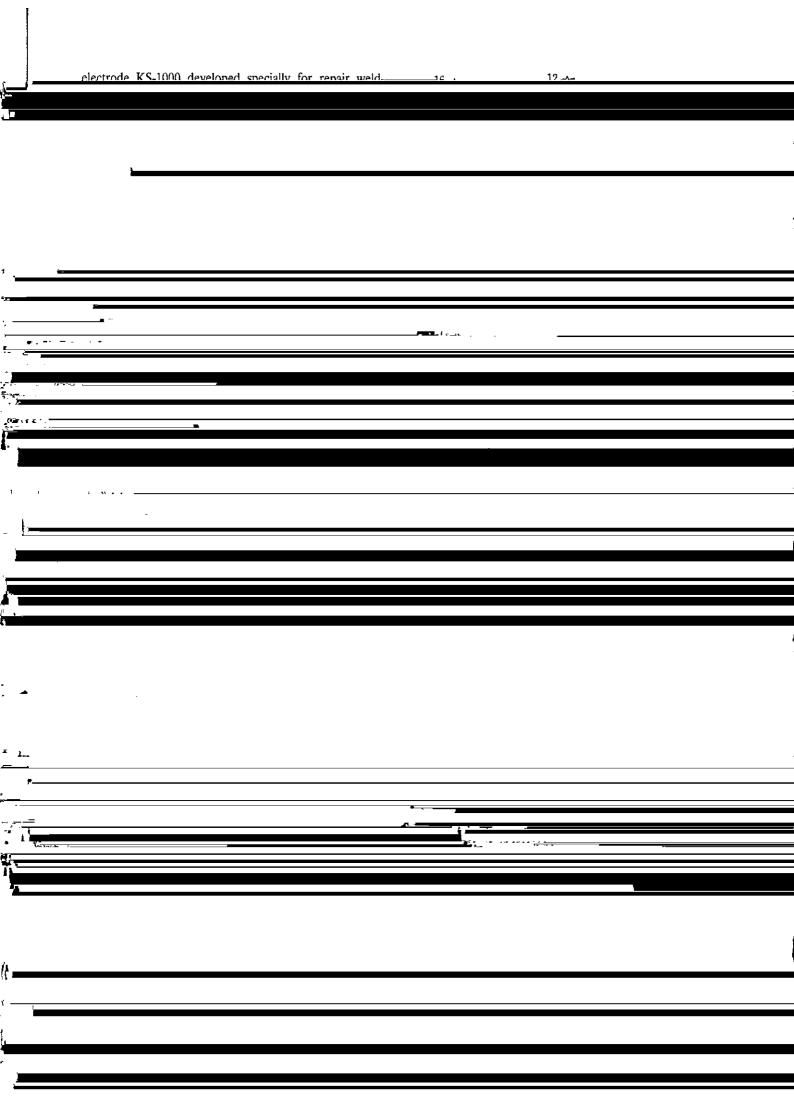
## Newly Developed Electrode KS-1000 for Repair Welding under Varying Stress

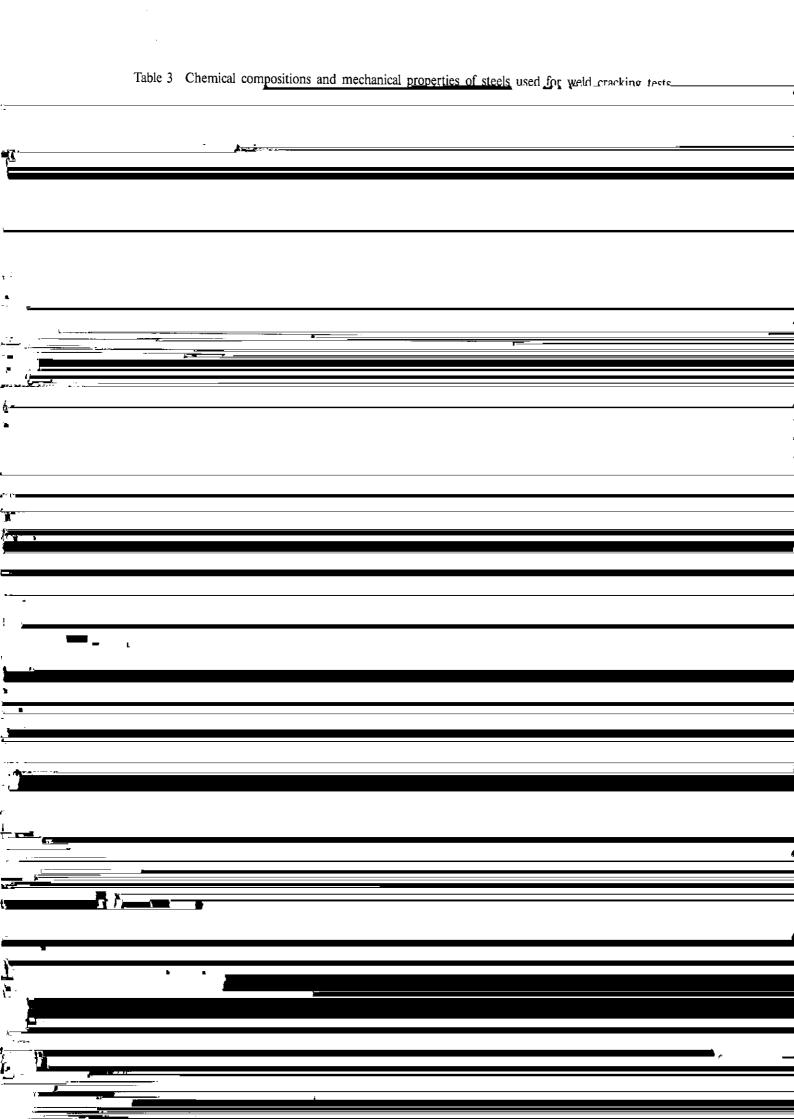
Kohki Satoh, Yutaka Kawai, Tadamasa Yamaguchi, Noboru Nishiyama, Yasumasa Nakanishi, Yoshitaka Nakamura

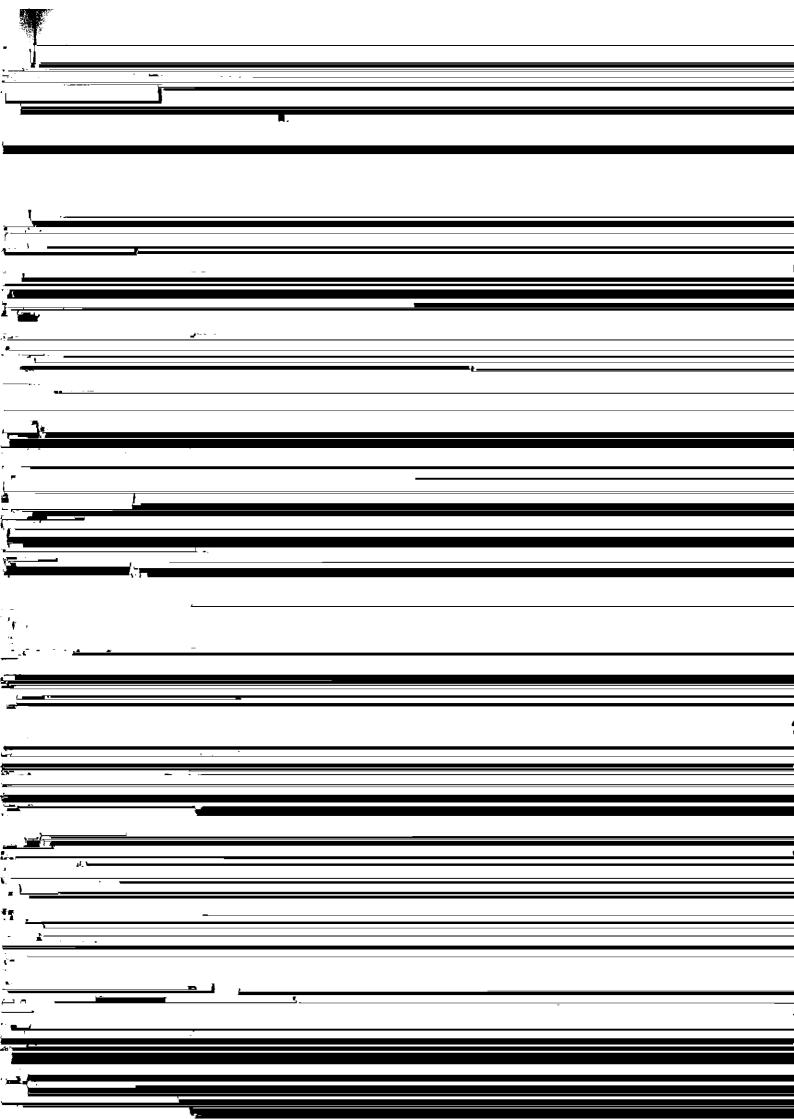
## Synopsis:

New covered electrodes KS-1000 suited to repair welding of such structures as bridges and highways etc. under pulsating stress (varying stress) in service conditions have been developed by examing the effect of chemical compositions on hot crack sensitivity of the metal welded under pulsating stress. KS-1000 electrodes have excellent anti-cracking characteristics, and the critic

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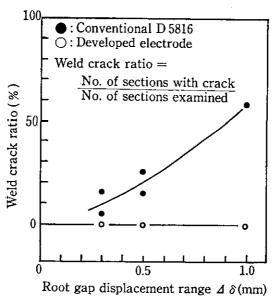


Fig. 7 Results of weld cracking tests under pulsating stress (Prerestraint free type specimen)

