

# BULLETIN

OF  
THE FACULTY OF EDUCATION  
MIE UNIVERSITY

Vol.34

## Natural Science

---

### Contents

Notes on Partially Unimodular Structures (iii)	Yukihiro KANIE( 1- 5)
Size Effect for CESR Linewidth in Fine Particles of Lithium	Sanshiro SAKO( 7- 11)
Conduction Electron Spin Resonance in Fine Particles of Calcium	Sanshiro SAKO( 13- 18)
The Weather and Climate through the Tenmei Period (1781-1790 A.D.) in the Ise District	Mitsuharu MIZUKOSHI( 19- 26)
Haze Fault in the Southern Part of Kumozu River, Mie Prefecture, Japan	Jun YAMADA( 27- 28)
The Vegetation Area of Marine Algae in the Far East Asia	Moritosi TANIGUTI( 29- 33)
Studies of the Wing-Beat Frequencies of Mosquitoes	Shingo SAKAKIBARA, Sanae ITO( 35- 42)
A Study of Spore Ornamentations of the Genus <i>Cribraria</i> (Myxomycetes)	Takami HATANO( 43- 51)
Stimulation by Light on Sucrose Uptake in Green Tobacco Callus Tissue	Hideo USUI, Katsuhisa FURUHASHI( 53- 58)
Electrochemical and Photochemical Properties of Bis (2,2-bipyridine) Ruthenium (II) Complexes Containing S-S and O-O Bidentate Ligands	Masa-aki HAGA, Hiroshi KANAI, Toshio TANAKA( 59- 65)
Some Methodological Differences of Dissolved Oxygen Determination	Takao TOMINO( 67- 75)
On the Simultaneous Control of the Partial Pressures of Oxygen and Sulfur by some Buffer Gas Mixtures	Junji NII( 77- 84)
Triplet-Triplet Energy Transfer between Naphthalene and various Substituted Benzaldehyde	Yoshikazu KATO( 85- 89)
One-dimensional Analysis for a Potential Overshoot by a Floating Disturber in a Magnetized Current-Carrying Plasma	Hiroyoshi TANAKA, Motoichi KAWAGUCHI( 91- 95)
Degradation of Hydrophobic Synthetic Fabrics caused by Wet Cleaning(4) The Observation by Scanning Electron Microscope on the Surface of Degradated Washing and Drying	Kyoko SUSUKIDA( 97-108)
Rate of Degradation of Fibers Owing to the Exposure to Ultra-Violet Rays(I) In the Case of Nylon 66 and Cupro	Kyoko SUSUKIDA(109-120)
Rate of Degradation of Fibers Owing to the Exposure to Ultra-Violet Rays(II) In the Case of RB Rayon, Polyester and Polypropylene	Kyoko SUSUKIDA, Toshiko INAGAKI(121-138)

---

THE FACULTY OF EDUCATION  
MIE UNIVERSITY

1983