

MEMOIRS
OF THE
COLLEGE OF SCIENCE
UNIVERSITY OF KYOTO

SERIES A

VOL. XXVIII

1956~1958

KYOTO

CONTENTS OF VOLUME XXVIII

	PAGE
T. Seto, K. Asai and A. Mito —On the “Triple Melting” of Tripalmitin.	1
T. Ichinohe —Study on Change of Gravity with Time. Part III. On the Tidal Factor of Gravity.	11
S. Okabe —On Some Relations between the Hot Spring and Radioactivity.	39
T. Nishitake —Elastic Properties of Rocks with Relation to the Earth’s Interior.	73
S. Okabe —Time Variation of the Atmospheric Radon Content near the Ground Surface with Relation to Some Geophysical Phenomena.	99
Y. Kishimoto —Seismometric Investigation of the Earth’s Interior (III).	117
A. Kamitsuki —On the Seismic Waves reflected at the Mohorovičić Discontinuity (I).	143
T. Mikumo —Precise Seismometric Observations in the Epicentral Region of Local Shocks.	161
I. Takahashi, T. Watanabe and K. Tanimoto —Diffraction of Electromagnetic Waves by a Circular Cylinder of Infinite Length.	209
I. Takahashi and T. Watanabe —Transient Phenomena in the Wave Guide.	221
S. Okabe —On Some Relation between Atmospheric Ions and Natural Radioactivity.	231
K. Hosoyama —On the Observation of Secular Phenomena of the Tilting Motion of the Ground.	253
K. Harada and T. Sakai —The Effect of Electric Field upon the Structure of Thin Films of Some Dipolar Long-chain Molecules.	283

	PAGE
T. Watanabe—Introduction of the Translational Operator in Frequency Domain and Treatment of Certain Linear Differential Equations, I.	293
T. Watanabe—Introduction of the Translational Operator in Frequency Domain and Treatment of Certain Linear Differential Equations, II.	311
S. Takemoto—The Complex Dielectric Constant and Permeability of Ni-Cd Ferrite System at Microwave Frequencies. . .	327
J. Muto and K. Okano—An Electromagnetic Isotope Separator	337
S. Kômura—A Consideration about the Mechanism of Occurrence of Large-scale Earthquakes, I.	363
S. Kômura—A Consideration about the Mechanism of Occurrence of Large-scale Earthquakes, II.	379
Y. Kishimoto—Seismometric Investigation of the Earth's Interior. Part IV. On the Structure of the Earth's Mantle (II). . .	391

INDEX OF AUTHORS TO VOLUME XXVIII

	PAGE
Asai, K. (see Seto, T., Asai, K. Mito, A.)	1
Harada, K. and Sakai, T. —The Effect of Electric Field upon the Structure of Thin Films of Some Dipolar Long-chain Molecules.	283
Hosoyama, K. —On the Observation of Secular Phenomena of the Tilting Motion of Ground.	253
Ichinohe, T. —Study on Change of Gravity with Time. Part III. On the Tidal Factor of Gravity.	11
Kamitsuki, A. —On the Seismic Waves reflected at the Mohorovičić Discontinuity (I) .	143
Kishimoto, Y. —Seismometric Investigation of the Earth's Interior (III).	117
Kishimoto, Y. —Seismometric Investigation of the Earth's Interior. Part IV. On the Structure of the Earth's Mantle (II)	391
Kōmura, S. —A Consideration about the Mechanism of Occurrence of Large-scale Earthquakes, I.	363
Kōmura, S. —A Consideration about the Mechanism of Occurrence of Large-scale Earthquakes, II.	379
Mikumo, T. —Precise Seismometric Observations in the Epicentral Region of Local Shocks.	161
Mito, A. (see Seto, T., Asai, K. and Mito, A.)	1
Muto, J. and Okano, K. —An Electromagnetic Isotope Separator.	337
Nishitake, T. —Elastic Properties of Rocks with Relation to the Earth's Interior. .	73
Okabe, S. —On Some Relations between the Hot Spring and Radioactivity.	39
Okabe, S. —Time Variation of the Atmospheric Radon Content near the Ground Surface with Relation to Some Geophysical Phenomena.	99
Okabe, S. —On Some Relation between Atmospheric Ions and Natural Radioactivity. .	231
Okano, K. (see Muto, J. and Okano, K.)	337
Sasaki, T. (see Harada, K. and Sasaki, T.)	283
Seto, T., Asai, K. and Mito, A. —On the "Triple Melting" of Tripalmitin.	1
Takahashi, I., Watanabe, T. and Tanimoto, K. —Diffraction of Electromagnetic Waves by a Circular Cylinder of Infinite Length.	209
Takahashi, I. and Watanabe, T. —Transient Phenomena in the Wave Guide.	221
Takemoto, S. —The Complex Dielectric Constant and Permeability of Ni-Cd Ferrite System at Microwave Frequencies.	327
Tanimoto, K. (see Takahashi, I., Watanabe, T. and Tanimoto, K.)	209
Watanabe, T. (see Takahashi, I., Watanabe, T. and Tanimoto, K.)	209
Watanabe, T. (see Takahashi, I. and Watanabe, T.)	221
Watanabe, T. —Introduction of the Translational Operator in Frequency Domain and Treatment of Certain Linear Differential Equations, I.	293
Watanabe, T. —Introduction of the Translational Operator in Frequency Domain and Treatment of Certain Linear Differential Equations, II.	311