Titles of Papers

Read at the 56th Semi-annual Meeting of the Institute on November 18th and 19th, 1955

- 1. Hajime FUJIMURA, Takaji UESHIMA and Toyoji MAEDA: Studies on the Analgesic Action of Dialykylaminoacylamino Derivatives. (III).
- 2. Hajime FUJIMURA, Takaji UESHIMA and Toyoji MAEDA: On the Analgesic Action of the Diphenylmethane Derivatives. (I).
- 3. Hajime FUJIMURA, Keijiro SUGA, Masashi ISHIKAWA and Michiyasu SUGII: Studies on Pharmacological Action of Tetralin Derivatives. (III).
- 4. Hejime FUJIMURA, Kazuo ASAI and Kiyohisa KAWAI: Analgesic Action of Dialkylamino-acylamino Derivatives. (IV). Pharmacological Studies of Camphor Derivatives.
- 5. Hajime FUJIMURA, Kazuo ASAI, Susumu OYASU, Kiyohisa KAWAI, Hajime TOMONO and Yutaka YAMAKAWA: Analgesic Action of α,α-Diphenyl, α-Alkoxy Acetic Esters.
- 6. Toyo HIRAZAWA and Masashichi YOSHIOKA: On the Action of Papain Enzyme. (IX).
- Shunji FUKUDA, Masanobu SAWAI, Misao NAKAMA and Senji UTZINO: Re-examination
 of the Synthesis of 17α-Methyl-3-keto-5, 17-dioxyandrostane.
- 8. Senji UTZINO and Ryokuero SUZUE: Studies on the Enzymatic Synthesis Cocarboxylase.
- 9. Seizo OKAMURA and Takuhiko MOTOYAMA: Emulsion Polymerisation of Vinyl Acetate in the the Presence of Polyvinyl Alcohol.
- 10. Yasuo Sone: Swelling and Crystallization of the Fractionated Polyvinyl Alcohol.
- 11. Waichiro TSUJI and Toshio OKADA: Studies on the Tribo-Electricity of Textile Fibers. (III). The Effects of the Treatments with Various Oiling Agents.
- 12. Waichiro TSUJI, Yasuyoshi SAKAGUCHI and Ryozo KITAMARU: Chemical Treatments of Cotton. (III). Partial Acetylation by Various Processes.
- 13. Waichiro TSUJI and Ryozo KITAMARU: Chemical Treatment of Cotton. (IV). Elastic Properties of the Partial Acetylated Cotton of High Temperature.
- 14. Rempei GOTO, Takeo SUGANO and Naomi HAYAMA: Effect of Impurities on the Dispersion State of Non-Ionic Surfactants.
- Rempei Goto, Takeo Sugano and Naomi Hayama: Penetrating Power Tests of Surfactants.
- Chugo KUJIRAI: Reaction Machanism of Photodegradation of Cellulose by 2537A Irradiation, Especially on the Decomposition Mechanism of Cellulose Peroxide.
- 17. Keinosuke KOSAYASHI, Nobuo UTSUMI and Akira NAKAMURA: On the Crystalline State of High Polymer. (VI). Changes in Micell Length by Oxydative Degradation of Cellulose.
- Eiji SUITO and Kazuyoshi TAKIYAMA: Electron Microscopic Observation of Viscous Colloids.
- Hiroshi INAGAKI: On the 2nd Virial Coefficient of Osmotic Pressure of Polyelectrolyte Solution with Extraneous Salt.
- 20. Hiroshi INAGAKI and Sunao OKAMOTO: A New Revolution Counter for Ultracentrifuge.
- 21. Hideo KATAGIRI and Yoshio ICHIKAWA: Studies on Propionibacterium.
- 22. Mamoru KURACHI: Studies on the Mechanism of Pyocyanine Formation. (II). On the Decomposition of Pyocyanine by Fungi. On the Biosynthesis of Pyocyanine from Decomposed Product of Pyocyanine.
- 23. Hideo KATAGIRI, Chuji TATSUMI and Shohei NAKAGAWA: Studies on the Carotenogenesis by *Rhodoturula mucira ginosa*. (VI).
- 24. Hideo Katagiri, Masayuki Ikemiya and Harugoro Yomo: Studies on Barley Malt. (VII). Some Investigations upon Zymogen Amylase.
- 25. Hideo KATAGIRI, Masayuki IKEMIYA and Hideo AN-YOJI: Studies on Barley Molt. (VIII).

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- Effect of Synthetic Detergents on Malt Amylase.
- 26. Hisateru MITSUDA, Katsuharu YASUMATSU and Morikazu KAJIMA: Crystallization of Yeast Catalase and its Properties.
- 27. Shigeki MORI: On the Nucleic Acid of Soybean.
- 28. Yoshiyuki INOUYE and Shozaburo KITAOKA: Preparation of Galactosamine and Synthesis of Some Derivatives.
- 29. Yoshiyuki INOUYE and Toshio ONISHI: Studies on the Browning Reaction of Food-Stuffs.
- 30. Yoshiyuki INOUYE and Nobumitsu YANO: N-Glucoside of Aminoalkylbenzene.
- 31. Masayuki HAMADA and Sumio NAGASAWA: Studies on Chemical Constitution and Insecticidal Activity. (XI). Comparative Toxicity of Condensation Products of Dichlorophenol and Chloral.
- 32. Masayuki HAMADA and Sumio NAGASAWA: Studies on Chemical Constitution and Insecticical Activity. (XII). Comparative Toxicity of Three DDT Isomers and p, p'-DDT.
- 33. Kyugo SASAGAWA and Mikio KATO: Studies on the Mechanism of Inducing Mutations by Ultrasonic Vibration. (II).
- 34. Kyugo SASAGAWA, Masaru SOGAMI, Yasuo INOUE and Koei MOMOTANI: Turbidimetric Titration of Serum-Proteins.
- 35. Eiji SUITO, Masafumi ARAKAWA and Makoto TAKAHASHI: New Apparatus for Specific Surface Area Measurement by Air Permeability Method.
- 36. Eiji SUITO, Natsu UYEDA and Masako KATSUMI: Particle Size Determination of Gold Sol. Comparison between the Two Methods, Electron Microscope and Ultra Centrifuge.
- 37. Eiji SUITO and Natsn UYEDA: Transformation of Cu-Phthalocyanine. (I). Dimorphic Transition and Crystal Structure.
- 38. Eiji SUITO and Natsu UYEDA: Transformation of Cu-Phthalocyanine. (II). Velocity of Transformation and Crystal Growth.
- 39. Masayoshi ISHIBASHI, Eiji SUITO and Kiichi SEKIDO: Precipitation of Cu-Oxinate. (II).
- 40. Masayoshi ISHIBASHI, Taitiro FUJINAGA and Huziko SINOZUKA: The Use of Metal Oxide Electrode of High Positive Potential and its Application to the Determination of Chromate and Vanadate with Ferrous Iron.
- 41. Hiroshi SAWAMURA, Masatoshi TSUDA, Sanzo NAKAGAWA and Akitsu TOMITA: Study on the Mass Effect of S-H Cast Iron.
- 42. Kiyokado NISHIHARA, Yoshio KONDO and Yukitada HIRATA: Studies on the Electrolytic Refining of Lead.
- 43. Kiyokado NISHIHARA, Yoshio KONDO and Yasukazu ISHIDA: On the Treatment of Copper and Cobalt Bearing Pyrite. (III).
- 44. Shiro MORITA, Ryohei OZAKI and Naoya INOYAMA: Fundemental Study on Nodular Graphite Cast Iron. (X). On Carbon Determination of Nodular Graphite Cast Iron.
- 45. Shiro MORITA and Ryohei OZAKI: Fundamental Study on Nodular Graphite Cast Iron. (XI). Change of Chemical Composition in Molten Cast Iron Treated by Mg.
- 46. Hideo TAKAKI and Masashige KOYAMA: Studies on Line Structures in Tin Single Crystals. (V).
- 47. Hideo TAKAKI, Masashige KOYAMA and Hidekiyo FUJIHIRA: Studies on Line Structures in Tin Single Crystals. (VI).
- 48. Isao TAKAHASHI, Toru OGAWA, Masaru YAMANO and Akira HIRAI: Automatic Control in Stark Modulation Atomic Clock.
- Bunzaburo SAHEKI and Shinjiro YASUMI: Diffusion Cloud Camber with Circulating Cooling System.
- 50. Toshio AZUMA and Kunihiko TSUMORI: β-Ray Spectrum of So46.
- 51. Toshio AZUMA and Kunihiko TSUMORI: Synchrotron of Small Size. (I).
- 52. Jun KOKAME: A Note on the Intrinsic Speed of the Diffusion Pump.
- 53. Jun KOKAME: Absorbed Gases and Effect of Back-Diffusion of the Diffusion Pump.
- 54. Jun KOKAME: Evacuation Rate and Outgasing of Vacuum System.
- 55. Kiichi KIMURA et al.: On the Design and Test of the Vacuum System for Kyoto Cyclotron.
- 56. Yoshiaki UEMURA and Hirokazu FUJITA: Measurements of the Substitution Sensitivity

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- Factors of the Probe Gases for High-Vacuum Leak-Detection.
- 57. Sakae Shimizu, Fumio Hirayama and Sunao Okamoto: Plastic Scintillator: Relation between Pulse-Hight and Polymerization Degree.
- 58. Kiichi KIMURA, Isao KUMABE and Kyoichi MIYASHITA: External Cathode BF₃ Proportional Counter.
- 59. Kiichi KIMURA, Isao KUMABE, Kozo MIYAKE, Hiroshi OGATA and Kyoichi MIYASHITA: On the Reaction of O¹⁶ by Fast Neutrons. (II).
- 60. Hajime NARUMI, Tadashi WATANABE, Apollo SAIKA, Osomu RYUZAN, Hajime NAKA-HARA and Hisoo KATSURAGI: On the Interaction between Atomic Nuclei and Electrons. (Continued Reports of III and IV). Nuclear Electric Quadrupole Interaction in the HD Molecule.
- 61. Hajime NARUMI and Shigeru MATSUO: On the Interaction between Atomic Nuclei and Electrons. (V). Varidity of Adiabatic Approximation.
- 62. Hajime NARUMI and Tadashi WATANABE: On the Interaction between Atomic Nuclei and Electrons. (VI). Nuclear Magnetic Octapole and Electric Hexadecapole Spectrum.
- 63. Tetsuro TANAKA and Akira KAWABATA: Study on the Ferroelectric Ceramics in the System (Pb-Ba)ZrO₃.
- 64. Tetsuro TANAKA, Akira KAWABATA and Yoichi SHIMABARA: The "Parametron" using Ferroelectric Materials.
- 65. Tetsuro TANAKA and Toshio INOGUCHI: On the Shear Vibration of BaTiO₃ Ceramic.
- 66. Tetsuro TANAKA, Toshio INOGUCHI and Toshiya HAYASHI: Mechanical Filter.
- 67. Tetsuro TANAKA and Junzo YAMAMOTO: On the Properties of Nickel Ferrite as Magnetostrictive Material.
- 68. Takeshi KIYONO, Minoru TOYODA and Minoru TABANA: Dielectric Properties of the Silicone Resin. (V).
- 69. Takeshi KIYONO, Minoru TOYODA and Minoru TABANA: Dipole Moment of Trifluoro-chloroethylene.
- 70. Naokazu KOIZUMI and Rempei GOTO: A Coaxial Line Method for Measurement of Complex Dielectric Constants of Liquids at the Frequency Range of 1.4 to 4 Kmc.
- 71. Naokazu KOIZUMI and Tetsuya HANAI: Dielectric Constants of Glycols at Low Frequencies.
- 72. Hideo SENO, Mikio TAKEYAMA and Mikio SUMIZAWA: The Dielectric Properties of the n-Long Chain Alcohols in the Microwave Region.
- 73. Rempei GOTO and Toru TAKENAKA: Hydrophilic Properties of Alcohols and Their Infrared Absorption.
- 74. Isao TAKAHASHI and Tanehiko NAKAU: Ferromagnetic Resonance Absorption in Mixed Ferrites.
- 75. Akira WATANABE, Fukuju TSUJI, Tokuro YASUDA and Shizuo UEDA: Study on Surface Electricity. (XXII). On Capacity Measurement of Dropping Mercury Electrodes by Resonance Method. (4).
- Rempei GOTO, Hiroshi AIDA and Soichi HAYASHI: Viscoelastic Behavior and Brittle Velocity of Asphalts.
- 77. Ikutaro SAWAI, Kaoru UMEYA, Tomozo NISHIKAWA and Susumu KAWAMOTO: On the Dynamic Properties of Clay Slips in the Casting Process.
- 78. Ikutaro SAWAI, Kaoru UMEYA, Tomozo NISHIKAWA and Susumu KAWAMOTO: Some Observations on the Thixotropic Properties and Casting Characteristics of the Clay Slips.
- 79. Ikutaro SAWAI and Toshio MAKI: On the BaO-Al₂O₃-SiO₂ System.