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15/5/830 Liberal Arts & Sciences Chemistry Synthetic Rubber Research Reports, 1942-1955

Box 1: Copolymer Research Discussion Group

List of Reports, CR1 to CR790 Reports CR1 - CR19, CR21 - CR23, CR25A, CR29, CR31, CR33 - CR40, CR42 - CR53, CR55 - CR175 (December, 1942 - October, 1943) CR2 -- Minutes of Rubber Research Discussion Group (December 28-29, 1942) CR46 -- Minutes of Polymer Research Discussion Group (March 22-23, 1943)

Box 2: Copolymer Research Discussion Group

Reports: CR176 - CR234, CR236 - CR303, CR306 - CR325 (September, 1943 - May, 1944)

Box 3: Copolymer Research Discussion Group and Technical Reports to Rubber Reserve Company

Reports: CR326 - CR470 (May, 1944 - November, 1944)

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Reports: CR471 - CR632 (November, 1944 - March, 1945)

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Reports: CR633 - CR697, CR699 - CR777, CR779 - CR790 (March, 1945 - August, 1945)

Box 6: Technical Reports to Reconstruction Finance Corporation

Reports: CR791 - CR940 (July, 1945 - January, 1946)

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Reports: CR941 - CR1019, CR1021 - CR1090 (December, 1945 - May, 1946)

Box 8: Technical Reports to Reconstruction Finance Corporation

Reports: CR1091 - CR1255 (May, 1946 - October, 1946)

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Reports: CR1256 - CR1349, CR1351 - CR1405 (October, 1946 - March, 1947)

- Box 10: Technical Reports to Reconstruction Finance Corporation
- Reports: CR1406 CR1468, CR1470 CR1535 (March, 1947 June 1947, June 1948)
- <u>Box 11</u>: Technical Reports to Reconstruction Finance Corporation
- Reports: CR1536 CR1686, CR1688 CR1690 (February, 1947 December, 1947)
- Box 12: Technical Reports to Reconstruction Finance Corporation
- Reports: CR1691 CR1768, CR1770 CR1840 (December, 1947 June, 1948)
- Box 13: Technical Reports to Reconstruction Finance Corporation
- Reports: CR1841 CR2000 (May, 1948 January, 1949)
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- Reports: CR2001 CR2031, CR2033 CR2042, CR2044 CR2056, CR2058 CR2125 (January, 1949 - October, 1949)
- Minutes of Meeting: CR2112 (February 1, 1949)
- Box 15: Technical Reports to Reconstruction Finance Corporation
- Reports: CR2126 CR2266, CR2270 (July, 1949 January, 1950)
- Box 16: Technical Reports to Reconstruction Finance Corporation
- Reports: CR2271 CR2321, CR2323 CR2351, CR2353 CR2400 (January, 1950 June, 1950)
- Box 17: Technical Reports to Reconstruction Finance Corporation
- Reports: CR2401 CR2405, CR2407 CR2446, CR2448 CR2465, CR2467 CR2545 (May, 1950 - November, 1950)
- Box 18: Technical Reports to Reconstruction Finance Corporation
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Reports: CR2711 - CR2778, CR2780 - CR2855 (May, 1951 - November, 1951)

- Box 20: Technical Reports to Reconstruction Finance Corporation
- Reports: CR2856 CR2965, CR2967 CR2984, CR2986 CR3015 (October, 1951 June, 1952)
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- Box 26: Technical Reports to Reconstruction Finance Corporation

Reports: CR3711 - CR3788 (January, 1955 - June, 1955) CD-12 Agitation, Heat Transfer and Related Chemical Engineering Variables in GR-S Polymerization J. D. Fennebresque Office of Asst. Rubber Director Research and Development of Synthetics

CD-22 Progress Report - Oxygen Analyses with the Pauling Meter H. Drooz and C. W. Perry Goodyear Synthetic Rubber Corporation

CD-27 Summary Report on the Temperature of Reaction

# W. C. Lang Firestone Tire and Rubber Company

CD-33 Prog	gress Report GR-S Polymerization Activation A. S. Gow and P. S. Gheer
	Goodyear Synthetic Rubber Corporation
CD-63 Ferr	icyanide Activated Polymers H. Hoyer, M. Mazur and M. J. Tierney United States Rubber Company
CD-100	Effect of Ferricyanide upon GR-S Polymerization Rate with Various Modifiers L. D. Hess and A. M. Borders Goodyear Tire and Rubber Company
CD-109	Modifying Power of DD Mercaptan as a Function of DDM Composition W. Worrell and H. Hoyer United States Rubber Company
CD-113	Low Temperature GR-S Polymerization J. E. Troyan Office of Asst. Rubber Director Research and Development of Synthetics
CD-160	Italian Buna S Analysis R. W. Kixmiller Office of Asst. Rubber Director Research and Development of Synthetics
CD-161	Activation of GR-S to High Conversion; Check of the Kolthoff Method L. D. Hess and A. M. Borders Goodyear Tire and Rubber Company
CD-188	Progress Report No. 2 - Use of Pauling Oxygen Meter in Standard Copolymer Plant H. Drooz and P. S. Greer Goodyear Tire and Rubber Company
CD-197	Status Report on Rubber Reserve Soap Program E. S. Pfau and J. W. Wilson The B. F. Goodrich Company
CD-198	Evaluation of Sulfole B-8 Mercaptan

	H. L. Trumbull The B. F. Goodrich Company
CD-268	Polymerization and Evaluation of 2, 5-Dichlorostyrene Copolymers Kixmiller and Fennebresque
CD-296	Variation in Heat of Reaction of GR-S During Polymerization O. E. Dwyer
CD-312 GR-S	Laboratory and Factory Evaluations of Latex Compounded Black Masterbatches of Low-Temperature, Low Conversion Redsol Activated M. E. Samuels Copolymer Corporation
CD-320	Pilot Plant Evaluation of Tertiary Mercaptans J. E. Troyan Phillips Petroleum Research Laboratory
CD-401	The Copolymerization of Alpha-methyl-para-methyl-styrene and Butadiene J. P. Thorn Univ. of Akron
CD-405	Butadiene/Alpha-Methyl Styrene/Vinyl Pyridine Terpolymers H. T. Groves National Synthetic Rubber Corporation
CD-441	Laboratory Evaluations of Copolymers Made with Various Butadiene; Styrene Ratios Samuels
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CPD Reports 1 December, 194 DA Reports 2- G Reports - G GA Reports 13 OP Report 10 OP-S Reports CPD-11	1, 34-37, 40, 72-75, 79, 81, 93, 113, 151, 156, 163, 165-166, 181, 208 (February - 43) -3 (May, 1943 - January, 1944) erman (1945 - 1953) 8 - 21 (December, 1944) (September, 1944) 1-6, 8-21, 23-65, 67-68, 70-82, 85-112 (September, 1944 - January, 1948) Methods of Following GR-S Conversion C. Marvin and M. J. Tierney U. S. Rubber Co.

CPD-34 Heat of GR-S Polymerization. Summary Report IV.

CPD-35	J. W. Troyan Office of Assistant Deputy Rubber Director Research and Development of Synthetics Short Stopping Agents and Defoamers. Summary Report V. J. W. Troyan Office of Assistant Deputy Rubber Director Research and Development of Synthetics
CPD-36	Methods for Determining Conversion in the GR-S Polymerization J. E. Troyan Office of Assistant Deputy Rubber Director Research and Development of Synthetics
CPD-37	<ul> <li>GR-S Coagulation Methods. Summary Report VII.</li> <li>J. E. Troyan</li> <li>Office of Assistant Deputy Rubber Director</li> <li>Research and Development of Synthetics</li> </ul>
CPD-40	Impurities in the Fresh and Recycle Monomer J. E. Troyan, etc.
CPD-72	Coagulation of GR-S Latex: Factors Affecting Creaming, Coagulation, and Soap Conversion. Summary Report VIII J. E. Troyan, etc.
CPD-73	Emulsifiers in GR-S Polymerization. Summary Report IX R. L. Haden, Jr., etc.
CPD-74	Modifiers in GR-S Polymerization. Summary Report II R. L. Haden, Jr., etc.
CPD-75	Determination of Hydrocarbon Conversion During the Polymerization of GR-S H. H. Robinson, Jr. and C. R. Johnson Firestone
CPD-79	Effect of Temperature on the Polymerization of Buna-S Summary Report X P. S. Greer, etc.
CPD-81	Effect of Stearic Acid on the Electrical Properties of GR-S R. B. Stambaugh Goodyear

CPD-93	Rosin Soap GR-S
	M. J. Tierney, W. S. Coe
	U. S. Rubber

- CPD-113 Second Progress Report on Rate of Mercaptan Disappearance During GR-S Polymerization R. W. Hobson and A. M. Borders Goodyear
- CPD-151 An Extraction-Titration Method for Determining Per Cent Styrene in Stripped Latex
  - J. V. Harvey U. S. Rubber
- CPD-152 Modifier Effectiveness vs. Chargin Procedure H. L. Dick, Jr., C. M. Nelson, and H. B. Richmond U. S. Rubber Co.
- CPD-156 Controlled Viscosity Polymers B. S. Garvey, Jr. B. F. Goodrich Co.
- CPD-163 Evaluation of Rosin Acids in the GR-S Plant Polymerization M. J. Tierney and W. S. Coe U. S. Rubber Co.
- CPD-165 Rosin Soap GR-S Plant Polymerization M. J. Tierney and W. S. Coe U. S. Rubber Co.
- CPD-166 Antioxidant Emulsion M. J. Tierney and W. S. Coe U. S. Rubber Co.

CPD-181 Comparison of Distilled Fatty Acids with Tallow Soaps in Polymerizations with Recycled Butadiene

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H. J. Osterhof and R. D. Juve Goodyear
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- CPD-208 Evaluation of the Revised Goodrich Salt-Acid Coagulation R. L. Steller
- DA-2 Effect of Variation in Butadiene: Styrene Ratios on the Properties of GR-S Type Rubber

	R. W. Kixmiller
	Office of Assistant Deputy Rubber Director
	Germon Pune S
DA-3	D W Kiymillor
	N. W. NIXIIIIICI Office of Assistant Public Director
	Research and Development of Synthetics
	Research and Development of Synthetics
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	R. W. Kixmiller
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GR-18 The D	etermination of Particle Weights or Molecular Weights by Means of
011 10 110 2	Combined Ultramicroscopic and Absorption Measurements in Cases Where
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	W. Heller
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GR-20 Partic	le Size of Polyvinyl-Chloride Molecular Weight 100,000
	Fred W. Billmeyer, Jr.
	Cornell University
GR-21 Measu	rement of Refractive Index and Determination of the Styrene
	Content of GR-S Copolymers
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OP-10 Antio	xidant Control in the Manufacture of GR-S
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	IU Dubbar Dasarya Company
	SUBCOMMITTEE ON SPECIFICATIONS AND TEST METHODS
	Subcommittee on silen textions and test methods
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OP-S-1	A Method for Checking DDM: Sulfole Ratios in Plant Modifier Batches
	J. O. Knobloch, C. Sturdivant
	The Firestone Tire and Rubber Company

OP-S-2	A Convenient Apparatus for Oxygen Determination in Butadiene Vapor by the Manganous Hydroxide Method J. O. Knobloch The Firestone Tire and Rubber Co.
OP-S-3	Improved Procedures for the Analysis of Polymerization Grade and Recycle Butadiene The Determination of 1,3_ and 1,2_Butadiene E. A. Crockett and T. L. Davies St. Clair Processing Corporation Ltd.
OP-S-4	Chlormaleic Anhydride, a New Reagent for Determining 1, 3_Butadiene T. L. Davies Canadian Synthetic Rubber Ltd.
OP-S-5	The Rubber Reserve Soap Development Program E. L. Borg United States Rubber Company
OP-S-6	A Preliminary Report Describing a Rapid Method for Determining PBNA Content of PBNA Dispersions J. H. Powell, Jr. B. F. Goodrich, Borger, Texas
OP-S-8	A Method of Checking DDM_Sulfole Ratios in Mixtures of the Two Oliver Wilber U. S. Rubber Co.
OP-S-9	Determination of the Amount of Butadiene in Latex R. Hunter, S. Plotkin and L. Rapp United States Rubber Co.
OP-S-10	The Determination of Unreacted Styrene Monomer in GR_S Latex G. S. Douglas Goodyear Synthetic Rubber Corp.
OP-S-11	Rapid Titration Method of Determining Soap in Polymerization Soap Solution R. E. Smith Canadian Synthetic Rubber Limited
OP-S-12	Carbon Black for GR_S Masterbatch Proposed Specification Gaull, Coffin Panowich General Tire and Rubber Co.

OP-S-13	Determination of the Purity of Styrene by Refractive Index Method J. L. Hutson General Tire and Rubber Co.
OP-S-14	The Determination of Styrene in Decanter Water R. M. Sluyter, H. P. Davis, D. H. McCondichie B. F. Goodrich Chemical Co.
OP-S-15	A Spectrophotometric Method for the Determination of Unreacted Styrene Monomer in Latex F. A. Bovey National Synthetic Rubber Corp.
OP-S-16	Recommendation for the Design and Operation of Modified Koppers_Hinckley Butadiene Analysis Apparatus Wilburn A. Boggs U. S. Rubber Company
OP-S-17	Precision and Accuracy of the Determination of Gel, Swelling Index and Intrinsic Viscosity of GR_S F. W. Smith B. F. Goodrich Chemical Co.
OP-S-18	Determination of Phenylbetanaphthylamine in GR_S A. E. Follett Copolymer Corporation
OP-S-19	Butadiene Control Testing by the Hinckley Method Segrave, White, and Keller United States Rubber Co.
OP-S-20	Density and Coefficient of Expansion C. S. Cragoe and E. L. Peffer National Bureau of Standards
OP-S-21	Non-Volatile Content of Recycle Butadiene J. F. Griffith Firestone Tire and Rubber Co.
OP-S-23	Hazard of Mercury Vapor Associated With The Hinckley-Koppers: Podbielniak Apparatus Martin Shepherd National Bureau of Standards, Washington D. C.

OP-S-24	Method for Determination of the Principal Components of Recycle Styrene and Styrene Blends E. Frieden, L. Freeman and G. O. Ebrey United States Rubber Co.
OP-S-25	Determination of Styrene in Decanter Water Frank A. Bovey National Synthetic Rubber Corp.
OP-S-26	A Comparison of the Analysis of Fresh, Blend, and Recycle Butadiene Stocks by Methods LM 2.1.1.9, LM 2.1.1.1, and LM 2.1.1.2 Hopkins and Soday Copolymer Corporation
OP-S-27	Bottle Polymerization Tests on Raw Butadiene from Koppers, Sun Oil and Dow F. E. Woltz and D. H. Francis Goodyear Synthetic Rubber Corp.
OP-S-28	Evaluation of a Sun Oil Company Butadiene Composite Sample R. J. Coleman and F. E. Woltz Goodyear Rubber Corporation
OP-S-29	Heat Evolution Measurement for Hydrocarbon Conversion and Reactor Control G. C. Anderson Goodyear Synthetic Rubber Corp.
OP-S-30	The Determination of Hydrocarbon Conversion in GR_S Lattices G. S. Douglas Goodyear Synthetic Rubber Corp.
OP-S-31	Light Transmission through Diluted GR_S Lattices as a Function of Hydrocarbon Conversion G. S. Douglas Goodyear Synthetic Rubber Corp.
OP-S-32	Analysis of Soap Catalyst Solution A. L. Rodde United States Rubber Company
OP-S-33	The Cornell Densitometer for Measurement of Latex Conversion Hunter, Plotkin and Rapp U. S. Rubber Company

OP-S-34	A Study of Variables in Analyzing Butadiene for Acetylenes by Liquid Phase Method L. M. 2.1.4.2 R. R. Bridges and C. Sturdivant Subcommittee on Specifications and Test Method of Operating Committee
OP-S-35	Calculated Effect of Temperature on Vapor Pressure Determination of Light Ends in Recycle Styrene Joseph F. Masi National Bureau of Standards
OP-S-36	A Comparison Between the Williams Plastometer Method and the Quick Mooney Method of Determining Shortstop Viscosity J. M. Hogue, et. al. Goodyear Rubber Corp.
OP-S-37	Residual Styrene Content of Naugatuck Lattices R. Brumberger, F. L. Moses, A. L. Rodde United States Rubber Company
OP-S-38	Study of Polymerization Grade Soaps by Means of Bottle Polymerization Tests R. J. Coleman and F. E. Woltz Goodyear Synthetic Rubber Corporation
OP-S-39	Cross Test of Styrene Analysis Procedures C. B. McKeown 5/15/46
OP-S-40	Butadiene Analysis_Sample Introduction R. M. Sluyter and D. H. McCondichie B. F. Goodrich Chemical Company
OP-S-41	Apparatus for Distilled Water from Plant Steam S. N. Plotkin
OP-S-42	Method for Purity of Recycle and Blended Styrene R. M. Sluyter and D. H. McCondichie
OP-S-43	Progress Report for Period ending March, 1946 Corson and Stahly Mellon Institute of Industrial Research
OP-S-44	Studies on the GR_S Polymerization Process (Second Progress Report) B. B. Corson and E. E. Stahly

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OP-S-45	Analysis of Four Butadiene Samples Differing in Reactivity W. A. Lindbeck and F. E. Woltz Goodyear Synthetic Rubber Corporation
OP-S-46	Studies on the GR_S Polymerization Process (Third Progress Report) B. B. Corson and E. E. Stahly Mellon Institute of Industrial Research
OP-S-47	Investigation of the Low PRessure Differential Recorder Applied to the Measurement of Latex Conversion J. D. Elam R. L. Hunter S. N. Plotkin
OP-S-48	Density and Coefficient of Expansion of Lorol Mercaptan Mildred W. Jones and E. L. Peffer National Bureau of Standards
OP-S-49	Determination of the Purity of Recycle Butadiene E. B. Sheldon United States Rubber Company
OP-S-50	Continuous Butadiene Analysis by Means of the Pfundt Infra Red Spectrophotometer R. J. Coleman and F. E. Woltz
OP-S-51	Monthly Progress Report Walter W. Felton The Franklin Institute
OP-S-52	Evaluation of the Goodrich Hypodermic Syringe Method for Solids Conversion H. A. MacEachern and I. C. Rush Polymer Corporation Limited, Canadian Synthetic Rubber Limited
OP-S-53	Studies on the GR-S Polymerization Process (Fourth Progress Report) B. B. Corson and E. E. Stahly Mellon Institute
OP-S-54	Monthly Progress Report from The Franklin Institute John F. Marshall

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OP-S-55	Studies on the GR-S Polymerization Process (Fifth Progress Report) B. B. Corson and E. E. Stahly Mellon Institute
OP-S-56	Monthly Progress Report from The Franklin Institute John F. Marshall
OP-S-57	A Standard Williams Procedure for the Determination of Latex Polymer Viscosity R. J. Coleman and F. E. Woltz Goodyear Synthetic Rubber Corporation
OP-S-58	A Comparison of the Bomb and Hypodermic Syringe Equipment for the Determination of Unvented Latex Solids A. G. Hastings Goodyear Synthetic Rubber Corporation
OP-S-59	A Study of the Syringe Method for Determining Monomer Conversion C. F. Riddel, and F. E. Woltz Goodyear Synthetic Rubber Corporation
OP-S-60	Continuous Specific Gravity Measurements of a Butadiene-Styrene Blend Fed to a Continuous Polymerization Unit W. H. Weiss Goodyear
OP-S-61	Studies on the GR-S Polymerization Process (Sixth Progress Report) B. B. Corson and E. E. Stahly Mellon Institute
OP-S-62	Monthly Progress No. 4 for August, 1946 N. H. Smith Franklin Institute
OP-S-63	Monthly Progress Report No. 5 Carl T. Chase The Franklin Institute
OP-S-64	Studies on the GR-S Polymerization Process (Seventh Progress Report) B. B. Corson and E. E. Stahly Mellon Institute
OP-S-65	Determination of Antioxidant Content of Latex by Spectrophotometer Dartez, McKenna, and Larue

	Firestone Tire and Rubber Company
OP-S-67	Progress Report No. 6 for the Period October 1 - 31, 1946 Carl T. Chase The Franklin Institute
OP-S-68	Studies on the GR_S Polymerization Process (Eighth) E. E. Stahly Mellon Institute
OP-S-70	Monthly Progress Report No. 7 (November, 1946) Carl T. Chase The Franklin Institute
OP-S-71	Studies on GR_S Polymerization Process (Ninth) E. E. Stahly Mellon Institute
OP-S-72	A Comparison of the Williams and Quick Mooney Procedures As Applied to Latex Polymer Viscosity of Naugatuck GR-S R. Brumberger, D. C. Powell, F. L. Moses U.S. Rubber Company
OP-S-73	Short Stop Viscosity Cross Check G. E. Beard, D. B. McMicken U.S. Rubber Company
OP-S-74	Progress Report No. 8 for December 1 to 31, 1946 Carl T. Chase The Franklin Institute
OP-S-75	Studies on the GR_S Polymerization Process (Tenth Progress Report) E. E. Stahly Mellon Institute
OP-S-76	Studies on the GR-S Polymerization Process (Eleventh Progress Report) E. E. Stahly Mellon Institute
OP-S-77	A Cross Check of Methods used for the Determination of Short Stop Viscosity Lindbeck, Work and Weatherford Goodyear

OP-S-78	Continuous Conductivity Measurements of a Soap-Persulfate Solution Fed to a Continuous Polymerization Unit R. J. Coleman, W. H. Weiss Goodyear
OP-S-79	A Study of the Goodrich Syringe Method (Unvented Latex) for the Determination Hydrocarbon Conversion
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OP-S-81	Monthly Progress Report No. 9 Carl T. Chase Franklin Institute
OP-S-82	Analysis of Recycle 1,3-Butadiene, Sample No. 1 Augustus R. Glasgow, Jr., et. al. National Bureau of Standards
OP-S-85	Determination of Styrene Content of Decanter Water J. W. Sackett B. F. Goodrich Chemical Company
OP-S-86	A Refractive Index Method for Determining the Purity of Styrene H. K. Foley, Jr. F. E. Woltz Goodyear Synthetic Rubber Corporation
OP-S-88	Studies on the GR-S Polymerization Process (Twelfth Progress Report) E. E. Stahly Mellon Institute of Industrial Research
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OP-S-90	Studies on the GR-S Polymerization Process (Thirteenth) E. E. Stahly Mellon Institute
OP-S-93	Studies on the GR-S Polymerization Process (Fourteenth)

## E. E. Stahly Mellon Institute

### <u>Box 28</u>:

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RM-74	Determination of Benzene and Toluene Ultraviolet Spectrophotometric Method Shell Method No. 294 Shell Development Company
RM-75	Determination of 1, 3-Butadiene Ultraviolet Spectrophotometric Method Shell Method No. 331 Shell Development Company
RM-76 Methoo	Analysis of Two-Component Mixtures Infra-Red Spectrophotometric d Shell Method No. 333 Shell Development Company
RM-77	Analysis of Six or Seven-Component Mixtures of C <sub>4</sub> Hydrocarbons Infra-Red Spectrophotometric Method Shell Method No. 339 Shell Development Company
RM-91 War	Minutes of Special Meeting on Infra-Red and Ultra-Violet Spectrophotometric Analytical Methods Houston, Texas Sponsored by the Rubber Reserve Company and the Petroleum Administration for
RM-134	Hazards of Butadiene and Acetylenes Rubber Reserve Company
RM-186	Selected Values of Properties of Hydrocarbons National Bureau of Standards
RM-203	Heat of Combustion and Formation of the Paraffin Hydrocarbons at 25
RM-204	Heats, Free Energies, and Equilibrium Constants of Some Reactions Involving O <sub>2</sub> , H <sub>2</sub> , H <sub>2</sub> O, C, CO, CO <sub>2</sub> , and CH <sub>4</sub> Donald D. Wagman

	National Bureau of Standards
RM-205	Heats and Free Energies of Formation of the Paraffin Hydrocarbons in the Gaseous State, to 1500° K Edward J. Prosen National Bureau of Standards
S-1	Progress Report for November 1944 The B. F. Goodrich Company
S-2	Monthly Progress Report, November 1-30, 1944 The Goodyear Tire and Rubber Company
S-3	November Progress Report U.S. Rubber Company
S-4	Progress Report for December 1944 The B. F. Goodrich Company
S-5	Monthly Progress Report, November and December 1944 The Firestone Tire and Rubber Company
S-6	December Progress Report Synthetic Rubber Research and Development U.S. Rubber Company Naugatuck, Connecticut
S-7	Monthly Progress Report of Synthetic Rubber Research, December 1944 E. Cousines, J. d. D'Ianni, G. W. Ferner, S. D. Gehman, R. W. Hobson, J. H. Long, and R. M. Pierson Compiled by A. M. Borders The Goodyear Tire and Rubber Company
S-8	Monthly Progress Report on synthetic Rubber Research, December 1944 Frank J. Soday Copolymer Corporation
S-9	Progress Report for January 1945 The B. F. Goodrich Company
S-10	Monthly Report for January 1945 Polymer Research The Firestone Tire and Rubber Company
S-11	Monthly Report for January 1945

	Research Compounding The Firestone Tire and Rubber Company
S-12	Monthly Progress Report on Synthetic Rubber Research, January 1945 Frank J. Soday Copolymer Corporation
S-13	January Monthly Progress Report U.S. Rubber Company Naugatuck, Connecticut
S-14	February Monthly Progress Report B. F. Goodrich Company
S-15	Monthly Progress Report on Synthetic Rubber Research U.S. Rubber Company
S-16	Monthly Progress Report on Synthetic Research, February 1945 Frank J. Soday Copolymer Corporation
S-17	Monthly Report for February, 1945 Firestone Tire and Rubber Company
S-18	Progress Report of Synthetic Rubber Research, January 1945 A. M. Borders Goodyear Tire and Rubber Company
S-19	Progress Report for March, 1945 Firestone Tire and Rubber Company
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S-32	Monthly Progress Report, May 1945 Frank J. Soday Copolymer Corporation
S-33	Progress Report of Synthetic Rubber Research, May 1945 A. M. Borders Goodyear Tire and Rubber Company
S-34	Progress Report, June 1945 B. F. Goodrich Company
S-35	Progress Report for June 1945 M. W. Swaney Esso Laboratories
S-36	Monthly Report for June 1945 Firestone Tire and Rubber Co.
S-37	Monthly Progress Report for June 1945 Frank J. Soday Copolymer Corporation
S-38	Monthly Progress Report

#### U.S. Rubber Company

S-39 Progress Report for June 1945 A. M. Borders Goodyear Tire and Rubber Co.

#### <u>Box 29</u>:

Armstrong Cork Co., 1945 Bell Telephone Labs., 1944 Canadian Synthetic Rubber, Ltd., 1945 Case School of Applied Sciences, 1944-45 Committee on Standardized Methods and Apparatus, 1943 Copolymer Corporation, 1943 ESSO Labs., 1947 Firestone, 2-5/1943, 6, 9/1946 General Tire and Rubber Company, 1945 Goodrich, 1943-50 Goodyear, 1942-51 Hercules Powder Company, 1945-46 National Bureau of Standards, 1944-51 Synthetic Rubber Corporation, 1945 Navy Department, Bureau of Ships, 1945-52 Office of War Mobilization and Reconversion, 1946 Petroleum Chemicals, Inc., 1945 Industry War Council, 1942-44 Phillips Petroleum Company, 1944-46 Polymer Corporation, Ltd., 1946-52 Research Branch, 1942-44 Proctor and Gamble Company, 1945 Program Planning and Date Analysis Department, 1943-44 Research Analysis Committee Policy Committee, 1943 Shell Union Oil Corporation, 1945 Sinclair Rubber, Inc., 1945-46 Standard Oil Development Company, ESSO Lab., 1942-45 Subcommittee on Specifications and Tests, 1942-47 Minutes, 1945-47 Sun Oil. Inc., 1945-46 Union Carbide and Carbon Corporation, 1945 U.S. Rubber, 1943-49