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Finding Aid to the Alfred E. Rheineck Papers

Rheineck, Alfred E.(Alfred Edward), 1904-1971

Alfred E. Rheineck papers, 1950-1971

8 linear ft.

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OVERVIEW

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BIOGRAPHY

Alfred E. Rheineck was born on October 7, 1904 in Milwaukee, Wisconsin. He received his Bachelor's from the University of Wisconsin in Chemical engineering in 1928, his Master's from Lehigh University in Chemistry in 1931, and his Ph.D. from the University of Wisconsin in Pharmaceutical Chemistry in 1934. In August of 1950, he married Helen Kaiser and they had three children.

Prior to coming to NDAC, he was a Research Chemist & Research Director at Devoe & Reynolds, Inc., Louisville, KY (1934-1942), the Assistant Chief, Drying Oils Section, Fats and Oils Branch, USDA, Washington, D.C. (1942-1943), a Research Chemist at Hercules Powder Co., Wilmington, DE (1943-1951), and a Research Chemist and Research Supervisor at Archer, Daniels-Midland Co. (1951-1958).

When he came to NDAC in 1958 as Chair of Polymers and Coatings, he initiated an entirely new curriculum in paints, varnishes and lacquers, now today as coatings.

He received the 1969 Faculty Lectureship award and presented a speech titled "Coatings: From the Caveman to Apollo 8." He held 20 U.S. patents, in addition to patents in 9 European countries. He published over 65 papers. He was a member of Sigma Xi, Phi Sigma, Rho Chi, American Chemical Society, American Oil Chemists Society and Oil and Colour Chemists Association, and the Federation of Societies for Paint Technology. He died on August 10, 1971.

SCOPE AND CONTENT

The records (1950-1971) are in the order as received and include: [correspondence files](#), [subject files](#), [articles and papers](#). Boxes 1-4 are correspondence files in alphabetical order, boxes 4-7 are subject files in alphabetical order, and boxes 7-8 are papers and articles, as well as some additional subject files.

BOX AND FOLDER LIST

BOX 1 (Correspondence Files)

- 1 "A" Miscellaneous Correspondence - 1966-1971
- 2 Paul O. Abbey Company (Grinding & Mixing Equipment) - 1959, 1964
- 3 American Chemical Society, Division of Rubber Chemistry - scholarship committee - 1967
- 4 ADM (Archer Daniels-Midland) - patent information - 1959-1967
- 5 Aerospace Research - 1960-1966
- 6 Aircraft Industries - 1964
- 7 Algoma Plywood & Veneer Company - 1960
- 8 American Can Company - 1964
- 9 American Gilsonite Company - 1966
- 10 American Gum Importers Laboratories - 1958
- 11 American Marietta Company - 1960
- 12 American Oil Chemists' Society - 1970-1971
- 13 American Paint Journal Company (photos included) - 1961-1965
- 14 American Zinc Sales Company - 1964, 1969
- 15 Ansco Laboratories - 1963-1964
- 16 Archer Daniels-Midland - 1961-1967
- 17 "B" Miscellaneous Correspondence - 1966-1971
- 18 Brevik, Harvey - Larimore, ND - 1966
- 19 Boise Cascade - 1970
- 20 Butler Manufacturing - 1963
- 21 Baker Castor Oil company - 1964-1968
- 22 Badger Paint - 1961
- 23 Battelle Memorial Institute - 1958, 1959, 1967

- 24 Bosch, Wouter (Dean, Graduate School, Univ. of Missouri, Rolla) - 1964, 1968
- 35 Brody, Richard S. (attorney) - re: Highway Equipment Sales vs. Morrison Steel Products Corp. - 1967-1969
- 36 "C" - miscellaneous correspondence - 1966-1970
- 37 NDSU - Coordinators Meeting - 1968-1971
- 38 Coil Coaters Association - 1966-1968
- 39 Control Data - 1962-1966
- 40 Caryl, Cole - Desert Sunshine Exposure Tests - 1960-1966
- 41 College of Chemistry & Physics - Christmas 1965, 1967
- 42 Godfrey L. Cabot Inc. - 1959, 1963
- 43 California Ink company - 1959
- 44 CIBA Corporation - 1959, 1964
- 45 Coatings and Research Group - 1959
- 46 Courses (paint) - worldwide - 1960-1962
- 47 Consumers Research Inc. - 1964
- 48 Crown Zellerbach Corp. - 1961, 1966
- 49 Dow Chemical Co. - 1965
- 50 Dupont - 1958-1968
- 51 Delkote, Inc. - 1954-1962
- 52 Emery Industries - 1964
- 53 Eisenschiml, Dr. Otto - 1962
- 54 Interim Extension Committee - NDSU - 1962-1963
- 55 Extension Committee - NDSU Senate - 1967-1968
- 56 Economics Laboratory - 1959-1961
- 57 Farm Editors - (includes Rheineck presentation: Selection and Application of Paint for Farm Use) 1961
- 58 Fire in Ladd Hall - July 1960
- 59 Fire Oil correspondence - 1964
- 60 Freeman Chemical Corp - 1965
- 61 Flax Patent case - 1962-1963
- 62 Flax Growers - 1964
- 63 Flax Seed Processors - 1961-1968
- 64 Flax Project - 1965-1966
- 65 Flax - North Dakota Economic Development Commission - 1965-1968

BOX 2 (Correspondence Files)

- 1 General Electric - 1966, 1967, 1971
- 2 Glidden - 1970
- 3 Gordon Research conferences - 1959-1969
- 4 Graduate Regulations - NDSU - 1958, 1959
- 5 General Mills - 1958, 1964
- 6 General Motors - 1961, 1967
- 7 Guardsman - 1966, 1967
- 8 Greenlee Research Co. - 1959-1969

- 9 "H" - miscellaneous correspondence - 1966-1969
- 10 Hanna Paint Manufacturing Co. - 1964
- 11 Highway Research Board - 1968-1969
- 12 Honeywell - 1966
- 13 (American) Hardboard Association - 1965-1968
- 14 Honorary Degree Committee - NDSU - 1965-1969
- 15 Highway Department - North Dakota - 1961-1963
- 16 Instron - 1965-1967
- 17 Inquiries - jobs - 1965-1970
- 18 IBM - 1969
- 19 Inquiries on Protective Coatings - 1958-1968
- 20 International Graphite & Electrode Division - Speer Carbon Company - 1967-1968
- 21 Insulite Division - Boise Cascade - 1963-1966
- 22 "J" - correspondence - miscellaneous - 1965, 1968
- 23 Junior College recruiting- 1964-1965, 1967-1969
- 24 Junior College - "Notes on Recruiting at the Junior College Level for the Coatings
Industry - A.E. Rheineck - December 1966
- 25 "K" correspondence - miscellaneous - 1966-1967
- 26 "L" correspondence - miscellaneous - 1967-1969
- 27 Lilly Varnish Company - 1963-1964
- 28 LeHigh University - 1964, 1967
- 29 "M" correspondence - miscellaneous - 1964-1967
- 30 3M - 1964-1968
- 31 Mid-States Distributing Co. - 1961
- 32 Mellon Institute - Carnegie-Mellon University - 1968
- 33 McCordi - 1968
- 34 Mackoff, Kellogg, Kirby & Kloster - 1965
- 35 Midland Industrial Finishes Co. - 1964-1965
- 36 Minnesota Paints, Inc. - 1959, 1964, 1965
- 37 Morehouse-Cowles, Inc. - 1959
- 38 Moisture Register Co. - 1959-1961
- 39 NASA proposal - 1967-1970
- 40 Northern States Power - 1968
- 41 New Jersey Zinc Company - 1963
- 42 North Dakota Economic Development Commission - 1965
- 43 Nuodex Products Co,m Inc. - 1964-1965
- 44 NDSU Alumni (includes photos) - 1965-1967

BOX 3 (Correspondence Files)

- 1 North Dakota Motor Vehicle Department - 1964-1965
- 2 Northwestern Society for Paint Technology - 1962-1970
- 3 "N" - correspondence - miscellaneous - 1965-1968
- 4 "O" - correspondence - miscellaneous - 1970
- 5 "P" - correspondence - miscellaneous - 1966-1970

- 6 Paint Forum - 1964, 1966
- 7 Painter Apprentice program - 1965-1970
- 8 Pacific Vegetable Oil Corp. - 1961-1966
- 9 Patent Committee - 1964-1965
- 10 Personal - Rheineck, Alfred E.
- 11 "R" - correspondence - miscellaneous - 1965-1969
- 12 Roon Award - 1968-1969
- 13 Roosevelt University - 1967-1969
- 14 Red River Research Associates - 1968-1971
- 15 Reimers, Mr. Robert - 1970
- 16 Redwood Association - 1964
- 17 Research Products Corporation - 1963-1967
- 18 Rinshed-Mason Products - 1965-1969
- 19 Reynolds Metals Company - 1965
- 20 "S" - correspondence - miscellaneous - 1964-1971
- 21 Seminars - academic - NDSU - 1959-1967
- 22 Short Course - paint chemistry - 1958-1959
- 23 Sigma Xi - 1963-1967
- 24 Swanston Equipment Company - 1964-1967
- 25 Statistics - 1959
- 26 Salt Spray Cabinets - 1965
- 27 Skeist Laboratories, Inc. - 1965
- 28 A.O. Smith Corporation - 1964
- 29 Stauffer Chemicals - 1969
- 30 Symposiums on Coatings - programs, registration - 1964-1970
- 31 "T" - correspondence - miscellaneous - 1965-1968
- 32 Tukon Tester - American Chain and Cable Co. - 1963-1964
- 33 Tung Oil studies - 1960-1961
- 34 "U" - correspondence - miscellaneous - 1970-1971
- 35 University of Detroit - 1969-1971
- 36 U.S. Government - Navy Contracts - 1962
- 37 Urey, Dr. Harold C. - 1961
- 38 U.S. Plywood - 1964
- 39 U.S. Department of Agriculture - 1959-1965

BOX 4 (Correspondence & Subject Files)

- 1 USDA - Western Laboratory - 1962-1965
- 2 USDA - Southern Laboratory - 1961-1964
- 3 USDA - Eastern Laboratory - 1962-1963
- 4 Wattam, Vogel, etc. (law offices) - 1962, 1967
- 5 Wheeler, G. K. - Ferro Corp. - 1965
- 6 "Z" correspondence - miscellaneous - 1965, 1968

Subject Folders (alphabetically)

7	Acyloin & NA Rx
8	Acyloin - Report
9	Alkyd Resins
10	Analysis of Finished Products
11	Abitol
12	Bristle Report
13	Dehydrated Caster Oil
14	Cashew Nut Shell Oil
15	Caster Oil
16	Diene Reactions
17	Detergents
18	Distillation Molecular
19	Fatty Acids
20	Formals
21	Glycerol
22	Interscience Publishers, Inc.
23	Lacquer School
24	Lacquer Resins pilot plant logs
25	Lacquers Miscellaneous
26	Lacquer Resins high melting
27	Lacquer Resins Competitive
29	Log Sheets (Lab) Miscellaneous
30	Lignin
31	Log Sheets (Lab)
32	Log Sheets (Lab) Vinyl Resins
33	Methyl Esters
34	Oxidation Nitric Acid
35	Norepol
36	Nitration
37	New oils - Miscellaneous
38	Oils - Fish39 Oil Program
40	Oils - Po Yoak
41	Oils - Polymerized
42	Oxidation - air & ozone
43	Oil Symposium
44	Oils - Oiticica
45	Oils - Soya
46	Oils - Hydroxylatac
47	Oils Survey
48	Oils - miscellaneous papers
49	Oils miscellaneous
50	Oils - acetone tolerances
51	Oils - Isomerization
52	Oils - Films

- 53 Report - Congo Resin
- 54 Progress Interrupted (newsletter)

BOX 5 (Subject Files)

- 1 Report - Divinyl Benzene
- 2 Report - Rosin Amine
- 3 Pentaerthritol
- 4 Pentalyn I
- 5 Pigments
- 6 Resin Varnishes
- 7 Polyvinyl Oils
- 8 Polymerization Catalysys
- 9 Report - Floral Resins
- 10 Report - polyvinyl Oils
- 11 Report - Maleic Oils
- 12 Report - Oxidation
- 13 Report - Plasticizers
- 14 Report - Phenolic Resin
- 15 Report - Ester Interchange
- 16 Reports
- 17 Resins - Pentalyn
- 18 Resins - Vinyl
- 19 Resin Esterification Curves
- 20 Rosin
- 21 Report - Soya Bean Oil
- 22 Report - Soya Resins
- 23 X-ray Data
- 24 Wood Oil
- 25 Varnishes "In Situ"
- 26 John Wiley & Sons
- 27 Varnish UV-Tung Oil
- 28 Varnishes General
- 29 Varnish Work
- 29a Index - correlates to Log Sheets
- 30 A Halo Acids
- 31 Acids
- 32 Acid Chlorides
- 33 Alcohols
- 34 Alcohols - Fatty
- 35 Alcohols - Poly
- 36 Aldehydes
- 37 Alkyl Halides
- 38 Alkyl Resins
- 39 Anhydrides

- 40 Alcoholysis
- 41 Boron Comps, etc.
- 42 Cellulosics
- 43 Beta Keto Esters
- 44 Corrosion
- 45 Call Reports
- 46 Detergents
- 47 Education
- 48 Emulsions
- 49 Epon Resins
- 50 Enamels - White
- 51 Epoxy Patent File
- 52 Fumaric Maleic Esters
- 53 Fatty Acid Producers
- 54 Fats - Survey
- 55 Fatty Acid - Derivatives
- 56 Furg... - House Paints
- 57 Flats - interior
- 58 Flax Meeting - 1968

BOX 6

- 1 Grease-Lube Oil Additives
- 2 Glycerides - Mono
- 3 Dehydrogenation
- 4 Hydrogen Peroxide
- 5 Isomerization
- 6 Ideas
- 7 Kharash Reaction
- 8 Ketones
- 9 Ketones (Patents)
- 10 Latex Development
- 11 Lacquer Resins
- 12 Mattiello, Joseph - Hilo Varnish Corp
- 13 Maleic Oils
- 14 Nylon
- 15 Oils - drying
- 16 Olefins
- 17 Oils - blown
- 18 Oils - Oxidation
- 19 Oils - copolymer
- 20 Oils - DCO
- 21 Oils - Polymerization
- 22 Oils - Outlook
- 23 Oils - Limed

- 24 Polymers - General
- 25 Phosgene
- 26 Plasticizers
- 27 Plastics - Miscellaneous
- 28 Polyethylene
- 29 Plastics
- 30 PVA - Emulsions
- 31 Photographic Masks
- 32 Polymers - oils - varnishes
- 33 Phosphates, etc.
- 34 Patent
- 35 Paint dictionary - by Rheineck
- 36 Quarteraries
- 37 Resin Oxidation
- 38 Resins - Miscellaneous
- 39 Resins Phenolic
- 40 Resins
- 41 Sodium
- 42 Silicone Oils
- 43 Solubilities
- 44 Tall Oil
- 45 Textiles
- 46 Tung Oil

BOX 7

- 1 Urea Formaldehyde
- 2 Vehicle Work (universal tinting color vehicle)
- 3 Vinyl
- 4 Whaling
- 5 Wax
- 6 Zinc Oxide Paints (photos)
- 7 Drying Oils
- 8 Christmas Newsletters - College of Chemistry & Physics - 1964-1970

(Primarily Articles and Papers by Rheineck)

- 9 article - A study in the film forming characteristics of dimorphotheca oil - 1962
- 10 Coating technology courses at NDSU
- 11 Correspondence - 1960s
- 12 Drying Oils - Encyclopedia of Chemical Technology - 1950
- 13 Low Molecular Weight Polyvinyl Alcohol Esters - 1960
- 14 Wrinkling Phenomena of Tung Oil - 1962
- 15 Chemistry and Technology of Some Drying Oil Fatty Acids Ester of Polyvinyl Alcohol - 1962
- 16 Improvements in Film-Forming Properties of Linseed Oil - 1962

- 17 Films from Some organic Titanium Compounds... - 1963
- 18 Reaction of Titanium Tetrachloride with some Alcohols - 1962
- 19 Outdoor and Accelerated Weathering of Paints - final report - photos - 1964
- 20 Acetone Tolerance - 1953
- 21 Final Report - Correlation of Projects 17&21 with other Federation Projects - 1954
- 22 Pinitol and Quebrachitol Esters of Linseed Fatty Acids - 1954
- 23 Recent Advances in Technology of Drying Oils - 1957
- 24 Dimorphothea Oil: Some Film Forming Characteristics - 1962
- 25 Drying Oils in Varnishes - 1959
- 26 Recent Trends in the Coatings Industry - Its effect on vegetable drying oils - 1962
- 27 A study of the film forming characteristics of Dimorphothea Oil - 1962
- 28 Polyethylene in Paints
- 29 Outdoor and Accelerated Weathering of Paints - 1962
- 30 Structural changes taking place during the film formation of Tung oil - 1964

BOX 8

- 1 The Relationship between Gas-Proofness and Structure in Tung Oil - 1964
- 2 Fish oil chapter - 1964
- 3 Misc. - Milkweed - Oils - etc.
- 4 Fatty Acid Esters - Polyvinyl Alcohol - 1951
- 5/6 Miscellaneous material - 1966-1967
- 7 NDSU Symposium on New coatings and New Coatings Raw Materials - photos only - 1966
- 8 Miscellaneous material - 1966-1967
- 9 Abstracts - NDSU Symposium on New coatings and New Coatings Raw Materials - 1960, 1964, 1966, 1967
- 10 Graduate student files - 1965-1969
- 11 Malathion Problem - 1970
- 12 American Chemical Society - 1968-1970
- 13 John Wise appointment - 1969
- 14 American Chemical Society - Advisory Committee - 1968
- 15 American Chemical Society - 1968-1969