

INDEX - TOM REEL 284
(Original Designation FIAT Reel J-277)
PB 74572
Documents taken from Henkel & Cie, Düsseldorf

<u>Frames</u>	<u>Item</u>	
1-4	1	Scientific Council Report No. 1 of the first meeting of the Council held at Rodleben, June 29, 1939. (Incomplete report.)
5-40	2	Scientific Council Report No. 4 of the meeting held at Düsseldorf, April 26, 1940. The proceedings of the morning session are reproduced. They include the following reports: <ol style="list-style-type: none">1. Changes in the composition of the Scientific Council. By Dr. Raecke. 1 p.2. Status of the total work of the Research Laboratory at Rodleben. By Dr. Hentrich. 30 pp. Subjects discussed are:<ol style="list-style-type: none">A. Conversion reactions of olefins.B. Conversion reactions of paraffins.C. Obtaining fatty alcohols from acetylene over acetaldehyde, etc. (Syrol Process).3. Work of Section 51, Düsseldorf. (This has been included in Dr. Hentrich's report.)4. Work of the Scientific Laboratory at Chemnitz. By Dr. Burgdorf. 2 pp. (A report on the action of sulfuric acid on high-molecular normal primary alcohols.)
41-66	3	Scientific Council Report No. 5 of the meeting held at Chemnitz, July 17, 1940. The proceedings of the morning session are reproduced. They include the following reports: <ol style="list-style-type: none">1. The status of the total work of the Research Laboratory at Rodleben. By Dr. Hentrich 26 pp. Subjects discussed are:<ol style="list-style-type: none">A. Obtaining olefins from paraffin chloride.B. Preparation of olefins from paraffin sulfochlorides.C. Preparation of olefins as by-products in the conversion of paraffin chloride with sulfite.D. Sulfonation of olefins.E. OXO synthesis.

- F. Separation of primary fatty alcohols from mixtures with paraffins.
 - G. Accumulation of sulfur-containing compounds on olefins.
 - H. Nitration of paraffins.
 - I. (Omitted in lettering)
 - J. Preparation of paraffin sulfonic acids from paraffin chlorides of paraffin disulfides.
 - K. New washing agents which contain sulfimide groups.
- 2. The work of Section 51, Düsseldorf. (This has been included in Dr. Hentrich's report.)
 - 3. The work of the Scientific Laboratory at Chemnitz. By Dr. Burgdorf. 2 pp. Subjects discussed are:
 - A. Behavior of aliphatic aldehydes in the determination of their characteristics.
 - B. Action of sulfuric acid on high molecular normal primary alcohols.

67-88

4

Scientific Council Report No. 6 of the meeting held at Rodleben, Nov. 15, 1940. The proceedings of the morning session are reproduced. They include the following reports:

- 1. The status of the total work of the Research Laboratory at Rodleben. By Dr. Hentrich. 15 pp. Subjects discussed are:
 - A. Nitration of paraffins.
 - B. Paraffin chlorides as raw material for the preparation of washing agents.
 - C. Cracking tests for the preparation of olefins.
 - D. Washing agents with disulfimide-sodium groups. (Nofatin.)
 - E. Tanning agents.
 - F. Various special problems.
- 2. The work of the Scientific Laboratory at Chemnitz. By Dr. Burgdorf. 3 pp. Subjects discussed are:
 - A. Effect of sulfuric acid on olefins with double-bond formation.
 - B. Effect of sulfuric acid on normal primary alcohols.
 - C. Separation of mixtures of sulfonatable and unsulfonatable fractions. (Alcohol-paraffins, olefin-paraffins.)
 - D. Chlorination of saturated hydrocarbons and further working up of the chlorination products.

FramesItem

3. The work of Section 51, Düsseldorf. By Dr. Blaser. 4 pp. Subjects discussed are:
 - A. Olefin production and the OXO synthesis.
 - B. Soluble oil emulsion.

89-126

5

Scientific Council Report No. 7 of the meeting held at Düsseldorf, Feb. 28, 1941. The proceedings of the morning session are reproduced. They include the following reports:

1. The status of the total work of the Research Laboratory at Rodleben. By Dr. Hentrich. 30 pp. Subjects discussed are:
 - A. The preparation of olefins. -- Synthesis from CO and H₂. -- Preparation by dehydrogenation of paraffins with chain length C₁₀ - C₂₀. -- Preparation by cracking of higher paraffins.
 - B. OXO synthesis with certain olefins.
 - C. Washing agents with disulfimide groups.
 - D. Paraffin nitration: nitro-paraffins and nitro-paraffin-alcohol-sulfonates.
2. The work of the Scientific Laboratory at Chemnitz. By Dr. Burgdorf. 5 pp. Subject of discussion: The sulfonation of alcohols. (Diagram of laboratory cracking apparatus attached to conference report.)

127-178

6

Scientific Council Report No. 8 of the meeting held at Rodleben, June 9, 1941. The proceedings of the morning and afternoon sessions are reproduced. They include the following reports:

1. The status of the total work of the Research Laboratory at Rodleben. Subjects discussed are:
 - A. Progress of the "Enpeol Process" (the preparation of nitro-paraffin-alcohol.) By Dr. Lütgert. 6 pp.
 - B. Progress of the "Nofol Process" (The preparation of alcohols.) By Dr. Lütgert. 5 pp.
 - C. Investigation of the washing and textile aid properties of the Enpeol (nitro-paraffin-alcohol) sulfonates. By Dr. Lübbe. 3 pp.
 - D. Investigation of the washing and textile aid properties of Nofatin II (disulfimide compound.) By Dr. Lübbe. 2 pp.

- E. The practical value of the condensation products of fatty alcohols and ethylene oxide in the most varied interests of the Henkel section. By Dr. Lübke. 4 pp.
- F. The work of the Technical Testing Laboratory at Rodleben as a result of the work of the Research Laboratory. By Dr. Lütgert. 9 pp.
- G. Progress in Igelit plasticizers. By Dr. Hentrich. 6 pp.
- H. Latest work in the field of raw materials for lacquer. By Dr. Gündel. 5 pp.
- I. Status of Nekal work. By Dr. Gündel. 3 pp.
- J. Fat-saving or fat-free lard agents. By Dr. Gündel. 2 pp.
- K. Work on the continuous sulfonation of fatty alcohols. By Dr. Lütgert. 3 pp.
- 2. Work of the Scientific Laboratory at Chemnitz. By Dr. Burgdorf. 2 pp. (Concerns mainly sulfonation work.)
- 3. Report on the cocci-effective sulfanilamides. ("Vitigon" group.) By Dr. Hentrich. 7 pp.

(Five discussions given by Research Laboratory personnel and the report of Section 51 which were listed in the program of the meeting at Düsseldorf have not been included in the write-up of Scientific Council Report No. 8. Omitted items not shown here.)

179-227

7

Scientific Council Report No. 9 of the meeting held at Chemnitz, Sept. 25, 1941. The proceedings of the morning session are reproduced. They include the following reports:

- 1. Work of the Research Laboratory at Rodleben. Subjects discussed are:
 - A. Status of the semi-technical testing of the "Enpeol Process" (nitro-paraffin-alcohol sulfonate washing agent.) By Dr. Lütgert. 7 pp.
 - B. Wetting agent from first-run fatty acids or from cooling oil of the paraffin oxidation. By Dr. Hentrich. 8 pp.
 - C. Investigation of the constitution of OXO alcohols. By Dr. Kirstahler. 8 pp.
 - D. Accumulation of aromatic compounds on olefins. Sulfonation of the products. By Dr. Hentrich. 7 pp.

FramesItem

2. The work of Section 51, Düsseldorf. Subjects discussed are:
 - A. Status of the information on the constitution and properties of the Fischer-Tropsch and OXO compounds. By Dr. Blaser. 18 pp.
 - B. Guerbet condensation with mono and diols. By Dr. Blaser. 2 pp.
3. The work of the Scientific Laboratory at Chemnitz. By Dr. Burgdorf. (The question of sulfonation is discussed.) 2 pp.

228-301 8
(Frames 270-
279 are not
included due to
faulty numbering.)

Scientific Council Report No. 10 of the meeting held at Düsseldorf, Feb. 13, 1942. The proceedings of the session are reproduced. They include the following reports:

1. Work of the Research Laboratory at Rodleben. Subjects discussed are:
 - A. A new way to utilize the unsaponifiable matter of the Mersol manufacture for use as washing agents. By Dr. Kaiser. 5 pp.
 - B. Investigation of washing agents made from the unsaponifiable matter of the Mersol production. (Forlan Process.) By Dr. Götte. 6 pp.
 - C. Preparation of fat-saving washing agents. By Dr. Götte. 20 pp.
 - D. The utilization of the Reed reaction for production of new types of wetting agents. By Dr. Hentrich. 6 pp.
 - E. Sugar hydrogenation. By Dr. Stickdorn. 11 pp.
 - F. New emulsions for production of cosmetics. By Dr. Gundel. 7 pp.
2. Work of Section 51, Düsseldorf. Subject of the discussion: The use of UV-Mersol (unsaponifiable Mersol). By Dr. Blaser. 9 pp.

302-370

9

Scientific Council Report No. 11 of the meeting held at Düsseldorf, July 28, 1942. The proceedings of the session are reproduced. They include the following reports:

1. The use of the OXO reaction in the hydro-aromatization series for synthesis of washing agents. By Dr. Hentrich. 8 pp.

FramesItem

2. The work in the field of paraffin oxidation.
a. Cooling water. b. Cooling oil. c. Oxidate wash water. By Dr. Mannes. 21 pp.
(One diagr. included.)
3. Possibilities for use of ether carboxylic acids of the type K 295. By Dr. Götte. 19 pp.
4. The applicability of the by-products of the paraffin oxidation in the lacquer raw material and plastics industries as a result of work carried out at Rodleben. By Dr. Endres. 10 pp.
5. Final report on "Lanedol." By Dr. Gündel. 9 pp.

371-456

10

Scientific Council Report No. 12 of the meeting held at Berlin, Nov. 26, 1942. The proceedings of the session are reproduced. They include the following reports:

1. The status of the OXO synthesis. By Dr. Blaser. 8 pp.
2. Washing agents from the ether carboxylic acids derived from OXO alcohols. 6 pp.
3. Alkylated hexa-hydro-benzyl-alcohol-sulfonates. (Nesaptol.) By Dr. Gündel. 7 pp.
4. Summarizing report on synthetic fibers, with particular consideration of the work of the Research Laboratory and Dehydag. By Dr. Kirstahler. 29 pp.
5. Sulfonamides, a new class of healing aids, with particular consideration of the work of the Henkel group at the Research Laboratory. By Dr. Grundmann. 26 pp.
6. The chemical treatment of algae. By Dr. Köhler. 4 pp.
7. The preparation of sulfonate powders, with particular consideration of the resulting fat loss. By Dr. Burgdorf. 4 pp.

457-505

11

Scientific Council Report No. 13 of the meeting held at Chemnitz, April 1, 1943. The proceedings of the session are reproduced. They include the following reports:

1. Chitoses and their basic cellulose derivatives as versatile helping agents. By Dr. Götte. 9 pp.
2. A new method for the preparation of wetting agents. By Dr. Götte. 6 pp.
3. Work of Section 51, Düsseldorf. By Dr. Blaser. 4 pp. Subjects discussed are:
 - A. Alkali melts of tetrahydrofurfurylalcohol

FramesItem

- B. Alkyl-naphthaline from Rheinpreussen.
4. Synthetic tanning agents on a sulfonamide basis. By Dr. Schirm. 19 pp.
 5. Work of the Scientific Laboratory at Chemnitz. By Dr. Burgdorf. 5 pp. Subjects discussed are:
 - A. Condensation products of hexamethylenetetramine.
 - B. Condensation products of dipentaerythrite.
 - C. First-run acids of the paraffin oxidation for use in greases.
 - D. Flotation
 - E. Sulfonation Commission.
 6. Hand, body washing agents on a "FAS" basis (fatty alcohol basis). By Dr. Markert. 4 pp.

506-575

12

Scientific Council Report No. 14 of the meeting held at Chemnitz, Sept. 17, 1943. The proceedings of the session are reproduced. They include the following reports:

1. Intermediate products for synthetic fibers ("Furon"--fiber "Phrix") from furfural. New synthetic fibers from glycol-carbon dioxide esters and diamines. By Dr. Kirstahler and Dr. Kaiser. 20 pp.
2. A new technical process for the preparation of saccharine. By Dr. Schirm. 9 pp.
3. Status of the work of the Research Laboratory on lice control agents. By Dr. Grundmann. 10 pp.
4. The work of Section 51, Düsseldorf. By Dr. Blaser. 1 p.
5. Present status of the work of Section 51 on the obtaining of by-products from paraffin-oxidation. By Dr. Mannes. 13 pp.
6. Preparation of washing agents from a fatty acid and furfural basis. By Dr. Burgdorf. 4 pp.
7. New alcohol and amine components for plasticizers. By Dr. Gündel. 11 pp.

576-619

13

Scientific Council Report No. 15 of the meeting held at Rodleben, March 29, 1944. The proceedings of the morning session are reproduced. They include the following reports:

1. The oxidation of cyclohexane to adipic acid. By Dr. Rittmeister. 8 pp.
2. The status of the investigation in the field of sugar hydrogenation. By Dr. Stickdorn. 7 pp.
3. New work in the field of polyamide plasticizers. By Dr. Gündel. 7 pp.

FramesItem

4. Investigation of the conversion of the "Gesamol" material into stable emulsions. By Dr. Götte. 12 pp.
5. The work of Section 51, Düsseldorf. By Dr. Blaser. 1 p.
6. Furyl ester sulfonates. Quaternary ammonium compounds. Work on the substitution of sulfonic acid chloride by other sulfonating agents. By Dr. Burgdorf. 7 pp

620-675

14

Addresses presented on the occasion of the inspection of the Düsseldorf Works by representatives from DE-GUSSA on July 29, 1942. The program included the following:

1. Introductory words on the development of the Düsseldorf Works. By Director Funck. 7 pp.
2. Soap production from fats and oils. By Dr. Grünthal. 11 pp.
3. Alkali silicates. By Dr. Schauseil. 11 pp.
4. Adhesive substances. By Dr. Lübbert. 15 pp.
5. P₃ (Problems and objectives of technical purification.) By Rogner. 11 pp.

676-703

15

Survey of the work being done by various individuals in research section at the beginning of May 1938. Report is signed by Lange, dated May 13, 1938, Section 51.