

INDEX - MICROFILM REELS 256  
 (Original designation BM-42)

Index to Microfilm of Dr. Pier's Files.

<u>TRANSL NO.</u>		<u>FRAMES</u>
<u>III. Analysis</u>		
266	Characteristics of coal ash.	1-3b
216	Determination of paste concentration with the Brabend Plastograph.	4-11g
<u>IV. Asphalt and Wax Separation.</u>		
379	Bettering wax production in Zeitz.	12-14c
397	Asphalt chemistry.	15-23h
<u>V. Coké and Carbonization.</u>		
339	Production of electrode coke by pressure carbonization.	24-26c
318	Characteristic of bituminous coal low temperature carbonization.	27-30c
303	Increase in L.T.C. yield.	31-43j

<u>TRANSL.</u> <u>NO.</u>		<u>FRAMES</u>
<u>VI. Corrosion and Metallurgy.</u>		
315	The nitrification of chrome steels in hydrogenation.	44-47b
263	Heat treatment and delivery specifications for N10 material.	48-51b
373	Light oil corrosion.	52-54a
327	Intercrystalline corrosion of pipe lines.	55-55b
<u>VII. Cracking.</u>		
375	Today's situation in pressure distillation research.	56-56a
<u>VIII. D.H.D. Toluol, Hydroforming etc.</u>		
396	Processing D.H.D. residue.	57-58b
395	Large apparatus and D.H.D. plants.	59-60i
394	Quality and yield of D.H.D. gasoline from stall 801.	61-66d
<u>IX. Diesel Oil.</u>		
273	Diesel oil production in hydro plants.	67-72e
<u>X. Economics.</u>		
430	Cost of Silesian Coal aviation gasoline in Pölitz complete breakdown.	73-85l
440	Comparison of costs for D.H.D. feed gasoline of different endpoints.	86-91g
441	D.H.D. gasoline cost breakdown.	92-93b

<u>TRANSL.</u> <u>NO.</u>		<u>FRAMES</u>
442	Comparison of plant cost, quality of products and iron requirements of coal tar.	94-96c
447	Iron for repairs in hydro plants.	97-99d
455	D.H.D. gasoline from Rumanian gasoline.	100-101c
448	Economy of bituminous coal hydrogenation.	102-103c
446	Economic data for hydrogenation.	104-115e
456	Specification and cost of D.H.D. gasoline.	116-120d
249	Consumption data for 100,000 te/annum auto gasoline 1944.	121-122c
250	Cost evaluation. Gasoline from bituminous coal.	123-149bb
372	Comparison of straight hydrogenation with carbonization and hydrogenation producing aviation gasoline and fuel oil.	150-150b
380	Cost calculation for CV <sub>2</sub> b.	151-156e
443	Cost estimation for Politz D.H.D.	157-167e
<u>XI. Fischer-Tropsch.</u>		
431	Important data for the foam method of conducting the Fischer-Tropsch reaction.	168-169b
432	Operational troubles with the Schaumfahrweise (foam method).	170-173g
433	Synthesis in the liquid phase.	174-179g
434	Gas circulation of foam process.	180-183e
436	Comparative product properties of gas and foam processes.	184-195m
437	Synthesis of iron catalysts.	196-198d

<u>TRANSL.</u> <u>NO.</u>		<u>FRAMES</u>
438	Settling of finely divided catalyst on the converter wall in the foam process.	199-207o
417	CO - H <sub>2</sub> synthesis.	208-221m
439	Status of synthetic oil experiment.	222-227f
435	Gas circulation of foam process for synol.	228-229c
<u>XII. Fuel Evaluation.</u>		
385	Proposal for the use of synthetic fuel mixtures as standards in the overload motor testing.	230-251i
393	Physico-chemical conception of the overload curve.	252-262e
377	Use of high load aromatic fuels to replace B <sub>4</sub> .	263-265b
374	Comparison of hydrogenation and cracked gasoline from petroleum middle oils.	266-275j
378	Comparison of isopropyl benzol with other blending components, particularly triptane, for high test fuel mixtures.	276-277b
376	Discussions of the knock limit curves (DVL injection process) with divided injection.	278-280b
<u>XIII. Gas Production.</u>		
262	Electrolytic hydrogen production.	281-281a
<u>XIV. General.</u>		
383	Hydrogenation and carbonization quality of Ruhr coals.	282-283b
390	Problems of the Macromolecular Chemistry.	284-286b

T.O.M. Reel 256

<u>TRANSL.</u> <u>NO.</u>		<u>FRAMES</u>
312	Utilization of coal in the use of production and domestic motor fuels.	287-294f
<u>XV. Instrumentation.</u>		
240	Thermocouple measurements in high pressure converters.	295-301e
311	High pressure viscosimeter.	302-307b
<u>XVI. Liquid Phase - Hydrogenation.</u>		
427	Data on H.O.L.D.	308-309b
426	Experience with paste exchange.	310-312d
425	Filtration speed of bituminous hydrogenation products.	313-316f
428	Production of slightly hydrogenated coal.	317-323i
352	Comparison of liquid phase operations Pölitz, Gelsenberg.	324-328e
351	Comparison between acid and alkaline H.O.L.D., and influence of paste thru-put on conversion.	329-337h
349	Regeneration of coal paste (heat exchange) by dilution with middle oil.	338-342d
348	Pretreatment of bituminous coal for hydrogenation.	343-344a
346	The limits of solids and asphalts with low H <sub>2</sub> supply in the liquid phase.	345-348d
343	Substituting cooling oil for cooling gas.	349-350e
337	De-ashing experiments with Brück tar.	351-352a

T.O.M. Reel 256

<u>TRANSL.</u> <u>NO.</u>		<u>FRAMES</u>
331	Operating experience at Politz.	353-354b
330	Binders and their composition.	355-362g
329	Filtration of letdown.	363-369f
320	Hy-gas yields in liquid phase.	370-371b
319	Calculation of pressure drop in liquid and vapor phase.	372-374c
309	Calorific efficiency of bituminous coal hydrogenation to gasoline and fuel oil.	375-379b
301	Filtration of coal extract at Welheim.	380-385d
278	Coal refining process.	386-390f
275	Experience with cold paste injection.	391-404k
272	Coal balances after February 1944.	405-409e
271	Filtration of letdown.	410-413c
265	Liquid phase catalysts.	414-425h
253	Recovery of phenols in hydrogenation.	426-452t
269	Hydrogenation of H.O.L.D.	453-454a
258	H <sub>2</sub> consumption, loss and recovery in Nordstern.	455-475o