

NEIMME-CTRA - Coal Tar Research Association					
CODE	TITLE	Author 1	Author 2	Origin	Date
NEIMME-CTRA-0001	Research on the identification of coal tar phenols.	Agde.	Kuhler.	From "Oel und Kohle" 1944, <u>40</u> , 1 et seq.	1949
NEIMME-CTRA-0003	Technical aspects of new materials from coal tar.	Dr. Kruber.		From the Proceedings of the Cooperative Tar Conference held in Berlin, June, 1940.	1949
NEIMME-CTRA-0004	Composition and working up of low temperature tars.	Dr. Schmitt.		From the Proceedings of the Cooperative Tar Conference held in Berlin, June, 1940.	1949
NEIMME-CTRA-0005	Working up of L.T. tars by means of solvents.	Dr. F. Schick.		From the Proceedings of the Cooperative Tar Conference held in Berlin, June, 1940.	1949
NEIMME-CTRA-0006	Use of tar in road construction.	Dr. H. Mallison.		From the Proceedings of the Cooperative Tar Conference held in Berlin, June, 1940.	1949
NEIMME-CTRA-0008	Phenols from Hydrogenation oils.	Dr. Bemann.		From the Proceedings of the Cooperative Tar Conference held in Berlin, June, 1940.	1949
NEIMME-CTRA-0009	Recovery of pure phenols from the L.T. carbonization products of brown coal.	Dr. F. Schick.		From the Proceedings of the Cooperative Tar Conference held in Berlin, June, 1940.	1949
NEIMME-CTRA-0010	Polycyclic aromatic compounds from products of hydrogenation.	Dr. Pier.		From the Proceedings of the Cooperative Tar Conference held in Berlin, June, 1940.	1949
NEIMME-CTRA-0011	Coronene and Hydrocoronenes.	Dr. Boente.		From the Proceedings of the Cooperative Tar Conference held in Berlin, June, 1940.	1949
NEIMME-CTRA-0019	Methods of purifying crude anthracene.	J. Bojanowski et al.		From: Przemysl Chemiczny. May, 1948, 4, 285-90.	1949
NEIMME-CTRA-0020	The Condensation of Aromatic compounds with formaldehyde resins.			From "Angewandte Chemie"- April, 1948. pages 88-95.	1948

NEIMME-CTRA-0030	Literature survey on the cracking of tars and creosotes.	E.N. White.		From the Coal Tar Research Association.	1949
NEIMME-CTRA-0032	Notes on the reactions of fluorene.	E.J. Greenhow.		From the Coal Tar Research Association.	1949
NEIMME-CTRA-0033	On the Bromination of Fluorene.	G. Wittig.	F. Vidal.	From : Chemische Berichte, October, 1948, 81, 368-71.	1949
NEIMME-CTRA-0035	The Fine Structure of Coal Tar Pitch.	B.G. Simek.		From Brennstoff-Chemie, 1936, 17, 384-9.	1950
NEIMME-CTRA-0036	Carbon Blacks.	J. Parisot.		From : Chim. et Ind., June 1949, 61, 564-570. and July 1949, 62, 35-41.	1950
NEIMME-CTRA-0038	Diphenic Acid : A Literature Survey.	R.E. Dean.		From the Coal Tar Research Association.	1950
NEIMME-CTRA-0040	The Isolation of Phenanthrene from Coal Tar : A Literature Survey.	D.K.H. Briggs.		From the Coal Tar Research Association.	1950
NEIMME-CTRA-0041	The Dealkylation of Aromatic Compounds. A Literature Survey.	W. Waddington.		From the Coal Tar Research Association. Catalytic Section.	1950
NEIMME-CTRA-0042	Investigation of Phase Equilibria of the Ternary System Phenanthrene-Acenaphthene-Naphthalene.	Yu. F. Klochko-Zhovnir.		From : J. App. Chem. U.S.S.R., 1949, 22, No.12, 1292-7.	1950
NEIMME-CTRA-0044	Identification of Phenols.	S.S. Nametkin et al.		From : J. Anal. Chem. U.S.S.R., 1950, 5, No. 1, 7-13.	1950
NEIMME-CTRA-0045	2-Azafluoranthene in Coal Tar.	O. Kruber.		From : Chem. Ber., May 1949, 82, 199-201.	1950
NEIMME-CTRA-0046	The Colloid Chemistry of Coal Tar and its products. A Literature Survey.	L.J. Wood.		From the Coal Tar Research Association.	1950
NEIMME-CTRA-0047	Interim Report of the AD-HOC Committee on the use of Creosote/Pitch mixture as a fuel in open hearth furnaces.	D. McNeil.		From the Coal Tar Research Association.	1950
NEIMME-CTRA-0048	Notes on the reactions of Carbazole.	E.J. Greenhow.		From the Coal Tar Research Association.	1950
NEIMME-CTRA-0050	The separation of paraffins from the creosote oils of vertical retort tars.	S. Pickles.		From the Coal Tar Research Association. Physical Chemistry Section.	1951
NEIMME-CTRA-0051	The value of crude tars and its determination by test distillation.	F. Eckert.		From : Brennstoff-Chemie, 15.3.50, 31, 79-85.	1951

NEIMME-CTRA-0052	The Coking Properties Coal Tar Pitch and its Components.	H. Bruckner.	G. Huber.	From : Gas- und Wasserfach, 15.5.50, 91, 104-7.	1951
NEIMME-CTRA-0054	The Composition of Coal Tar and of Coal Tar Pitch.	H. Mallison.		Ref : Bitumen, Teere, Asphalte, Peche, December, 1950, 1, 313-317.	1951
NEIMME-CTRA-0057	Coking of Tar Stills: Interim Report December, 1950.	G. H. Thompson.		From the Coal Tar Research Association. Physical Chemistry Section.	1951
NEIMME-CTRA-0058	Compatibility of Steam-blown High Temperature Pitch with Petroleum Aromatic Extracts.	L.J. Wood.		From the Coal Tar Research Association. Physical Chemistry Section.	1951
NEIMME-CTRA-0059	Alkylation of some aromatic hydrocarbons and hydroxy-compounds with acetylene, using a boron fluoride-based catalyst.	V.L.Vaiser.		From : Doklady Acad. Sci. U.S.S.R., 1950, 70, No.4, 621-4; 74, No 1, 57-9.	1951
NEIMME-CTRA-0060	The Analysis of Phenol Mixtures by the use of Rectification and of Chromatography.	K. W. Schneider.	R. Oberkobusch.	From : Brennstoff-Chemie, 18. 4. 51, 32, 110-7.	1951
NEIMME-CTRA-0061	Water-in-tar Emulsions.	S. Pickles.		From the Coal Tar Research Association. Physical Chemistry Section.	1951
NEIMME-CTRA-0062	The newest methods for the Elucidation of the Composition of Coal Tar.	H. G. Franck.		From : Angewandte Chemie, 7. 6. 51, 63, 260-263.	1951
NEIMME-CTRA-0063	Methods of treating Coal Tar Acids for the removal of colour and of Improving Tar Acids for White Emulsions. A Literature Survey.	E.J. Stern.		From the Coal Tar Research Association. Intelligence Section.	1951
NEIMME-CTRA-0065	Removal of Sulphur from Hydrocarbon Oils by Catalytic Hydrodesulphurisation : A Literature Survey.	F. Popper.		From the Coal Tar Research Association. Catalytic Section.	1951
NEIMME-CTRA-0066	Azeotropic Mixtures of Pyridine Bases and Phenol Acids.	W. Mathes.		From : Brennstoff-Chemie, 14. 3. 51, 32, 69-74.	1951
NEIMME-CTRA-0067	Determination of Naphthalene in Tar Oils.	F. Eckert.		From : Gas und Wasserfach (Gas), 15.3.51, 92, 49-53.	1951
NEIMME-CTRA-0068	New Products in Coal Tar. I. Dimethyl Naphthalenes in Coal Tar. 2. I : 2--Benzodiphenylene Oxide in Coal Tar.	O. Kruber.	R. Oberkobusch.	From : Chemische Berichte, 1951, 84, 826-31, 831-3.	1951

NEIMME-CTRA-0070	Tar Assays.	N. Kaye, B.Sc.		From paper delivered at the Second Tar Conference held at the Coal Tar Research Association Laboratories, Gomersal, on 31st October 1951.	1951
NEIMME-CTRA-0074	The Solvent Analysis of Coal Tars and Pitches.	L. J. Wood, B.Sc., Ph.D., F.R.I.C.		From paper delivered at the Second Tar Conference held at the Coal Tar Research Association Laboratories, Gomersal, on 31st October 1951.	1951
NEIMME-CTRA-0075	Coal Tar Pitch : A Plastic Material.	H.A. Sack.		From : J. Recherches C.N.R.S., 1951, No. 16, 21-30.	1952
NEIMME-CTRA-0076	The Modification of Coal Tars and Pitches : A Literature Survey.	E. H. Binns.	S. Pickles.	From the Coal Research Association. Physical Chemistry Section.	1952
NEIMME-CTRA-0077	Reactions of Phenanthrene.	R. E. Dene.		From the Coal Research Association. Organic Section.	1952
NEIMME-CTRA-0078	Production of Nicotinic Acid from Heavy Coal Tar Bases.	T. M. Markacheva.	G. N. Lebedeva.	From : J. App. Chem. U.S.S.R., 1950, 23, 299-305.	1952
NEIMME-CTRA-0079	Carbonisation of Pitch. Part I : A Study of the Coking Mechanism.	F. Popper, B.Sc.		From paper presented to the Third Tar Conference, Queens Hotel, Leeds, 4th November, 1952.	1952
NEIMME-CTRA-0080	Some Aspects of the Flow Behaviour of Pitches and Fluxed Pitches.	E. H. Binns.		From the Coal Tar Research Association. Physical Chemistry Section.	1952
NEIMME-CTRA-0081	The Properties of Pitch / Polymethyl Methacrylate Mixtures.	E. H. Binns.		From the Coal Tar Research Association. Physical Chemistry Section.	1952
NEIMME-CTRA-0082	Studies in the Higher Coal Tar Bases.	A. M. Pryde.		From the Coal Tar Research Association.	1952
NEIMME-CTRA-0084	A Study of the Chemical Composition of a Sample of Pitch Oil.	A. S. Harris, M.A.		From paper presented to the Third Tar Conference, Queens Hotel, Leeds, 5th November, 1952.	1952

NEIMME-CTRA-0085	The Oxidation of Naphthalene Oils to Phthalic Anhydride.	J. Shelmerdine.		From the Coal Tar Research Association. Catalytic Section.	1952
NEIMME-CTRA-0086	Dealkylation of Alkyl Aromatic Hydrocarbons. Part I. Experiments with Oxide Type Catalysts.	W. Waddington.		From the Coal Tar Research Association. Catalytic Section.	1953
NEIMME-CTRA-0087	Pitch-Coking.	F. Rosendahl.		From : Bitumen, Teere, Asphalte, Peche, 1952, 3, 104-6; 125-8; 155-6.	1952
NEIMME-CTRA-0088	The Rheological Properties of Coal Tar Pitches and Modified Pitches.	E. H. Binns, B.Sc.		From paper presented to the Third Tar Conference, Queens Hotel, Leeds, 4th November, 1952.	1952
NEIMME-CTRA-0089	The Fundamental Structure or Tar and Pitch.	S. Pickles, B.Sc., A.R.I.C.		From paper presented to the Third Tar Conference, Queens Hotel, Leeds, 5th November, 1952.	1952
NEIMME-CTRA-0090	Works Problems in the Handling of Pitch.	H. C. Hitchcock, B.Sc.		From paper presented to the Third Tar Conference, Queens Hotel, Leeds, 5th November, 1952.	1952
NEIMME-CTRA-0091	The use of Pitch for Briquetting.	F. G. Broughall, B.Sc., F.R.I.C.		From paper presented to the Third Tar Conference, Queens Hotel, Leeds, 4th November, 1952.	1952
NEIMME-CTRA-0092	Pitch Products in the Building Industry.	Dr. J. R. Dewhurst.		From paper presented to the Third Tar Conference, Queens Hotel, Leeds, 4th November, 1952.	1952
NEIMME-CTRA-0093	A Simple Method for the Exact Measurement of the Rate of Setting of Road Tars.	H.-G. Franck.	O. Wegener.	From : Bitumen, Teere, Asphalte, Peche, Oct. 1952, 3, 251-8.	1953
NEIMME-CTRA-0094	The Dealkylation of Alkyl Aromatic Hydrocarbons. Part II. Experiments with Hydrogenation Catalysts.	W. Waddington.		From the Coal Tar Research Association. Catalytic Section.	1953
NEIMME-CTRA-0095	A Study of Commercial Anthracene Oils and Pastes.	D.K.H. Briggs.		From the Coal Tar Research Association. Catalytic Section.	1953
NEIMME-CTRA-0096	Rheological Properties of Coal Tars and Coal Tar Pitches.	F. Hoppler.		From : Mitt. aus der Dachpappen-Ind., 1941, 14, 179-87.	1953
NEIMME-CTRA-0097	Phase Equilibria of Binary Systems Containing Acenaphthene, Fluorene, Phenanthrene, Fluoranthene and Naphthalene.	Yu. F. Klochko-Zhovnir.		From : J. App. Chem. U.S.S.R., 1948, 21, No. 3, 309-12; 1949, 22, No. 8, 848-52.	1953

NEIMME-CTRA-0098	Carbonisation of Pitch and Allied Topics : A Literature Survey.	F. Popper.		From the Coal Tar Research Association. Catalytic Section.	1953
NEIMME-CTRA-0099	A New Process for Tar Dehydration.	H. Lupke.		From : Brennstoff-Chemie, 21.1.53, 34, 1-4.	1953
NEIMME-CTRA-0100	The Properties of Coal Tar Oils.	H.-G. Franck.		From : Brennstoff-Chemie, 18.2.53, 34, 37-45.	1953
NEIMME-CTRA-0101	The Pipe Still.	K. Thormann.		From : Chemische Apparatur, 1940, 27, 97-9, 113-20, 131-4.	1953
NEIMME-CTRA-0102	Report of the Ad Hoc Committee on the Use of Creosote/Pitch Mixture as a Fuel in Open-Hearth Furnaces.	D. McNeil.		From the Coal Tar Research Association.	1953
NEIMME-CTRA-0103	Ultra-Violet Spectroscopic Analysis of Tar Bases : A. Quantitative Analysis of Mixtures of beta- and gamma-Picolines. B. Quantitative Analysis of beta- and gamma-Picolines and 2 : 6-Lutidine in the beta-Picoline Fraction.	S. Kimura.	T.Katsumoto.	From : Coal Tar (Japan), 1952, 4, 97-8 & 179-82.	1953
NEIMME-CTRA-0104	A Study of the Briquetting Process carried out at the Verneuil Laboratories of CERCHAR.	J. Charbonnier.		From : Documents Techniques, Charbonnages de France, 1951, No. 5, 31-43.	1953
NEIMME-CTRA-0105	Fluorene-Formaldehyde Resins.	E.J. Greenhow.		From the Coal Tar Research Association. Organic Section.	1953
NEIMME-CTRA-0106	The Blending of Creosote/Pitch with Petroleum Oils.	L.J. Wood, B.Sc., Ph.D., F.R.I.C.		From paper presented to the Fourth Tar Conference, Queens Hotel, Leeds, 3rd November, 1953.	1953
NEIMME-CTRA-0107	The Problems of Creosote Utilisation.	D. McNeil, B.Sc., Ph.D., F.R.I.C.		From paper presented to the Fourth Tar Conference, Queens Hotel, Leeds, 3rd November, 1953.	1953
NEIMME-CTRA-0108	Thermoplastic Resins from Tar Oils.	E.J. Greenhow, B.Sc., F.R.I.C.		From paper presented to the Fourth Tar Conference, Queens Hotel, Leeds, 4th November, 1953.	1953
NEIMME-CTRA-0109	The Desulphurisation and Non-Destructive Hydrogenation of Tar Oils.	W. Waddington, B.Sc., A.R.C.S.		From paper presented to the Fourth Tar Conference, Queens Hotel, Leeds, 4th November, 1953.	1953
NEIMME-CTRA-0110	The use of Creosote for Wood Preservation.	N. A. Richardson, B.Sc., A.R.I.C.		From paper presented to the Fourth Tar Conference, Queens Hotel, Leeds, 3rd November, 1953.	1953

NEIMME-CTRA-0111	The uses of Tar Oils as Fluxes.	A. L. Deadman.		From paper presented to the Fourth Tar Conference, Queens Hotel, Leeds, 4th November, 1953.	1953
NEIMME-CTRA-0113	Report of Full Scale Corrosion Tests to Study the Resistance of Various Metals to Corrosion in the Sidestream Lines of a Wilton Continuous Tar Distillation Plant	G. H. Thompson.		From the Coal Tar Research Association. Physical Section.	1954
NEIMME-CTRA-0114	High Temperature Tar.	W. Mantel.	H. Hansen.	From : Brennstoff-Chemie, 20.5.53, 34, 138-48.	1954
NEIMME-CTRA-0115	Naphthalene Recovery and Purification ; The Recovery of Naphthalene from Vertical Retort Tar Oils and Coke Oven Drained Oils by Fractional Distillation.	G. H. Thompson.		From the Coal Tar Research Association. Physical Section.	1954
NEIMME-CTRA-0116	Specific Heats of Tars and Tar Products.	E. Edler.		From : Erdol u. Kohle, Sept. 1953, 6, 543-6.	1954
NEIMME-CTRA-0117	Heat Balance Calculations for a Continuous Tar Distillation Plant Including a Tube Furnace.	T. Otake.	T. Yanagida.	From : Coal Tar (Japan), Aug. 1952, 4, 248-58.	1954
NEIMME-CTRA-0118	The Volatility and Hardening of Coal Tar Pitches. Part I. Medium Soft Pitches. Part II. Fluxed Pitches.	E. H. Binns.		From the Coal Tar Research Association. Physical Section.	1955
NEIMME-CTRA-0119	The True Nature of Coal Tar Pitch.	H.-G. Franck.		From : Brennstoff-Chemie, 12.1.55, 36, 12-20.	1955
NEIMME-CTRA-0120	Future Trends in Benzole Refining.	K. H. V. French, M.Sc., A.R.I.C. (National Benzole Co. Ltd.)		From paper presented to the Fifth Tar Conference, Queens Hotel, Leeds, 9th November, 1954.	1954
NEIMME-CTRA-0121	The Catalytic Refining of Coal Tar Naphthas.	W. Waddington, B.Sc., A.R.C.S.		From paper presented to the Fifth Tar Conference, Queens Hotel, Leeds, 9th November, 1954.	1954
NEIMME-CTRA-0122	The Extraction of Tar Acids from Tar Oil by Selective Solvent Extraction.	R. E. Dene, B.Sc., Ph.D., A.R.I.C.		From paper presented to the Fifth Tar Conference, Queens Hotel, Leeds, 9th November, 1954.	1954
NEIMME-CTRA-0123	The Utilisation of the Higher Boiling Tar Acids.	D. McNeil, B.Sc., Ph.D., F.R.I.C.		From paper presented to the Fifth Tar Conference, Queens Hotel, Leeds, 10th November, 1954.	1954

NEIMME-CTRA-0124	Some Constituents of the Higher Boiling Tar Acids.	E. N. White, F.R.I.C.		From paper presented to the Fifth Tar Conference, Queens Hotel, Leeds, 10th November, 1954.	1954
NEIMME-CTRA-0125	Reverse Phase Chromatography of Phenols using cross-linked Polystyrene Beads.	P. J. Malden, B.Sc. (North Thames Gas Board).	A. B. Densham. M.A.	From paper presented to the Fifth Tar Conference, Queens Hotel, Leeds, 10th November, 1954.	1954
NEIMME-CTRA-0126	The Determination of Chemical Engineering Data on Tar and Tar Products. I. Liquid Density and its Variation with Temperature.	D.K.H. Briggs.		From the Coal Tar Research Association. Catalytic Section.	1955
NEIMME-CTRA-0127	Anomalies in the Thermal Expansion Coefficients of Coal Tar Pitches.	K. Berneis.	L. J. Wood.	From the Coal Tar Research Association. Physical Section.	1955
NEIMME-CTRA-0128	The Determination of Chemical Engineering Data on Tar and Tar Products. II. Equilibrium Flash Vaporization of Tar.	D.K.H. Briggs.		From the Coal Tar Research Association. Catalytic Section.	1955
NEIMME-CTRA-0129	Carbonisation of Pitch. Part II. Attempts at Producing Carbon Ceramics.	F. Popper.		From the Coal Tar Research Association. Catalytic Section.	1955
NEIMME-CTRA-0131	The Determination of Chemical Engineering Data on Tar and Tar Products. III. Latent Heats of Vaporization.	D.K.H. Briggs.		From the Coal Tar Research Association. Catalytic Section.	1955
NEIMME-CTRA-0132	The Determination of Chemical Engineering Data on Tar and Tar Products. IV. Specific Heat of Liquids.	D.K.H. Briggs.		From the Coal Tar Research Association. Catalytic Section.	1955
NEIMME-CTRA-0133	The Production and Refining of Naphthalene.	D. McNeil, B.Sc., Ph.D., F.R.I.C.		From paper presented to the Sixth Tar Conference, Queens Hotel, Leeds, 9th November, 1955.	1955
NEIMME-CTRA-0134	The use of Labelled Sulphuric Acid in the Investigation of the Acid-Refining of Light Oils.	G. A. Collins, B.Sc., Ph.D.,	L. W. Myers.	From paper presented to the Sixth Tar Conference, Queens Hotel, Leeds, 9th November, 1955.	1955
NEIMME-CTRA-0135	The Analysis of Benzole and Naphthas by Gas-Liquid Chromatography.	D. W. Grant, B.Sc.		From paper presented to the Sixth Tar Conference, Queens Hotel, Leeds, 9th November, 1955.	1955
NEIMME-CTRA-0136	The Functional study of Continuous Tar Distillation Plants.	G. H. Thompson, M.Sc., A.M.Inst.F.		From paper presented to the Sixth Tar Conference, Queens Hotel, Leeds, 8th November, 1955.	1955

NEIMME-CTRA-0137	Some factors Influencing the Planning and Control of a Tar Works Distillation Programme.	A. W. Gould.		From paper presented to the Sixth Tar Conference, Queens Hotel, Leeds, 8th November, 1955.	1955
NEIMME-CTRA-0138	The Determination of Physical and Thermal Properties of Tars and Tar Products.	D.K.H. Briggs. B.Sc., G.I.Mech.E.		From paper presented to the Sixth Tar Conference, Queens Hotel, Leeds, 8th November, 1955.	1955
NEIMME-CTRA-0139	The Determination of the Softening Point of Pitch.	F. G. Broughall, B.Sc., F.R.I.C.		From paper presented to the Sixth Tar Conference, Queens Hotel, Leeds, 8th November, 1955.	1955
NEIMME-CTRA-0140	The use of Coal Tar Pitch in Coal Briquetting.	L. J. Wood.		The Coal Tar Research Association. Physical Section.	1955
NEIMME-CTRA-0141	Chromatographic Separation of Coal Tar Phenols.	E. Terres et al.		From : Brennstoff-Chemie, 10.8.55. 36, 228-36.	1956
NEIMME-CTRA-0142	The Vapour Pressure of Phenol and Phenol Derivatives.	E. Terres et al.		From : Brennstoff-Chemie, 14.9.55. 36, 272-4.	1956
NEIMME-CTRA-0143	The Separation of Phenol Fractions from Coal Tar by Distillation and the Identification of Individual Components by Chromatography.	E. Terres et al.		From : Brennstoff-Chemie, 14.9.55. 36, 275-80.	1956
NEIMME-CTRA-0144	Investigation of the Binary Systems formed by water with Phenol and with Monohydric Phenols and their Critical Solutions Temperatures.	E. Terres et al.		From : Brennstoff-Chemie, 12.10.55, 36, 289-301.	1956
NEIMME-CTRA-0145	Investigation of the Ternary Solutions Systems formed by Phenol and Phenol Derivatives with Water-Methanol Mixtures, and their Critical Solution Temperatures.	E. Terres et al.		From : Brennstoff-Chemie, 7.12.55, 36, 359-72.	1956
NEIMME-CTRA-0146	The Production of Phthalic Anhydride from Naphthalene and Naphthalene Oils employing Fluidized Catalysts. Part I. A Statistical Investigation of Process Variables.	P. Pinchbeck.		From the Coal Tar Research Association. Catalytic Section.	1956
NEIMME-CTRA-0147	The Mutual Solubilities of Alkyl Phenols and Water.	L. v. Erichsen.	E. Dobbert.	From : Brennstoff-Chemie, 9.11.55, 36, 338-45.	1956
NEIMME-CTRA-0149	The Analysis of Phenol and Cresols by Partition Chromatography.	D. White.		From the Coal Tar Research Association. Analytical Section.	1956
NEIMME-CTRA-0150	The Dealkylation of Coal Tar Fractions. Part I. Coal Tar Naphthas.	W. D. Betts.		From the Coal Tar Research Association. Catalytic Section.	1956

NEIMME-CTRA-0151	Creosote for Wood Preservation.	W. Bavendamm.	H. Bellmann.	From : Holz als Roh-u. Werkstoff, Dec. 1955, 7, 485-8.	1956
NEIMME-CTRA-0152	The Chemical Composition of Pitch Oils. Part II. A Pitch-Coking Distillate.	A. S. Harris.		From the Coal Tar Research Association. Organic Section.	1956
NEIMME-CTRA-0153	The Dealkylation of Coal Tar Fractions. Part II. Coal Tar Bases.	W. D. Betts.		From the Coal Tar Research Association. Catalytic Section. 1st Copy	1956
NEIMME-CTRA-0153	The Dealkylation of Coal Tar Fractions. Part II. Coal Tar Bases.	W. D. Betts.		From the Coal Tar Research Association. Catalytic Section. 2nd Copy.	1956
NEIMME-CTRA-0154	The Determination of Chemical Engineering Data on Tar and Tar Products. V. Thermal Conductivity of Liquids.	D.K.H. Briggs.		From the Coal Tar Research Association. Catalytic Section.	1956
NEIMME-CTRA-0155	The Pretreatment of Coal Tar.	I. G. Antypko.		From : Coke & Chem., U.S.S.R. 1956, No. 1, 56-9.	1956
NEIMME-CTRA-0156	Coal Tar Creosote and Wood Preservation.	W. H. Huxtable.	J. M. Milner.	The Coal Tar Research Association. Intelligence Section.	1956
NEIMME-CTRA-0157	The Functional Study of Continuous Tar Distillation Plants. Part I.	G. H. Thompson.	J. K. Knapton.	The Coal Tar Research Association. Chemical Engineering Advisory Service.	1957
NEIMME-CTRA-0158	The Corrosion of Tar Stills.	D. McNeil.	G. H. Thompson.	The Coal Tar Research Association.	1957
NEIMME-CTRA-0159	Advances in the Use of Synthetic Rubber, Admixed with Bitumen and with Tar, in Road Building Materials.			From : Bit., Teere, Asph., Peche, 1956. 7, 178-81.	1957
NEIMME-CTRA-0160	Studies on the Oxidation of Road Tar.	H. Mallison.	K. K. Hofmann.	From : Bit., Teere, Asph., Peche, May 1956, 7, 171-2.	1956
NEIMME-CTRA-0161	The C.T.R.A. Intelligence Service.	W. H. Huxtable.		The Coal Tar Research Association. Intelligence Section.	1956
NEIMME-CTRA-0162	An Accelerated Weathering Test for Tar Paints ; Interim Report.	S. Pickles.		The Coal Tar Research Association. Physical Chemistry Section.	1956
NEIMME-CTRA-0163	The Extraction and Purification of Naphthalene ; A Survey of the Literature.	F. Popper.		The Coal Tar Research Association. Catalytic Secton.	1956
NEIMME-CTRA-0164	The Production and Properties of Air/Blown Coal Tar Pitches.	E. H. Binns.		The Coal Tar Research Association. Physical Chemistry Section.	1956

NEIMME-CTRA-0165	The Dealkylation of Coal Tar Fractions. Part III. Naphthalene and Anthracene Oils.	W. D. Betts.		The Coal Tar Research Association. Catalytic Section.	1956
NEIMME-CTRA-0166	The Characterisation of Coal Tars and their Distillate Products.	D. McNeil, B.Sc.,Ph.D.,F.R. I.C., M.Inst.Chem.E		The Coal Tar Research Association.	1956
NEIMME-CTRA-0167	Recent Research on the Flow Properties of Pitches.	E. H. Binns, B.Sc.		From the paper presented to the Seventh Tar Conference, Queens Hotel, Leeds, 14th November, 1956.	1956
NEIMME-CTRA-0169	Pitch Binder for Carbon Electrodes.	A. Darney, Ph.D.(Lond.),F. R.I.C.		From the paper presented to the Seventh Tar Conference, Queens Hotel, Leeds, 13th November, 1956.	1956
NEIMME-CTRA-0170	The Production and Properties of Coal/Pitch Dispersions.	C. R. Mason, B.Sc., A.R.I.C.	A. L. Deadman.	From the paper presented to the Seventh Tar Conference, Queens Hotel, Leeds, 14th November, 1956.	1956
NEIMME-CTRA-0171	Production and Properties of Polymer-Modified Pitches.	L. J. Wood, B.Sc.,Ph.D.,F.R. I.C.		From the paper presented to the Seventh Tar Conference, Queens Hotel, Leeds, 14th November, 1956.	1956
NEIMME-CTRA-0172	The Determination of Chemical Engineering Data on Tar and Tar Products. VI. Further Work on Equilibrium Flash Vaporization.	D.K.H. Briggs.		The Coal Tar Research Association. Catalytic Section.	1956
NEIMME-CTRA-0173	The Determination of Chemical Engineering Data on Tar and Tar Products. VII. Further Work on Latent Heat of Vaporization.	D.K.H. Briggs.		The Coal Tar Research Association. Catalytic Section.	1956
NEIMME-CTRA-0174	The Functional Study of Continuous Tar Distillation Plants. Part II.	G. H. Thompson.		The Coal Tar Research Association. Chemical Engineering Advisory Service.	1958
NEIMME-CTRA-0175	The Functional Study of Continuous Tar Distillation Plants. Part III.	G. H. Thompson.		The Coal Tar Research Association. Chemical Engineering Advisory Service.	1957

NEIMME-CTRA-0176	Crude Tar Acid Recovery : A Literature Survey on Causticisation with Lime.	J. K. Knapton.		The Coal Tar Research Association. Chemical Engineering Advisory Service.	1957
NEIMME-CTRA-0177	The Catalytic Reforming of Vertical Retort Oils over the Baker Sinclair R.D.150 Catalyst.	W. D. Betts.		The Coal Tar Research Association. Catalytic Section.	1957
NEIMME-CTRA-0178	The Analysis of Low Boiling Tar Acids by Gas/Liquid Chromatography. Part I.	D. W. Grant.		The Coal Tar Research Association. Analytical Section.	1957
NEIMME-CTRA-0179	The Volatility and Hardening of Coal Tar Pitches. Part III. Fluxed Steamed Pitches.	E. H. Binns.		The Coal Tar Research Association. Physical Chemistry Section.	1957
NEIMME-CTRA-0180	The Volatility and Hardening of Coal Tar Pitches. Part IV. The Results of an Interlaboratory Investigation into the Repeatability and Reproducibility of the Test Method.	E. H. Binns.		The Coal Tar Research Association. Physical Chemistry Section.	1957
NEIMME-CTRA-0181	The Ozonolysis of Aromatic Compounds : A Literature Survey.	P. G. Copeland.		The Coal Tar Research Association. Organic Section.	1957
NEIMME-CTRA-0182	The Determination of Chemical Engineering Data on Tar and Tar Products. VIII. Miscellaneous New Data.	D.K.H. Briggs.		The Coal Tar Research Association. Catalytic Section.	1957
NEIMME-CTRA-0183	The Vapour/Liquid Equilibrium of Naphthalene and Thionaphthene at Atmospheric Pressure.	F. Popper.	W. G. Wilman.	The Coal Tar Research Association. Catalytic Section.	1957
NEIMME-CTRA-0184	Experiments on the Production of Tetralin from a Crude Naphthalene.	F. Popper.	W. Waddington.	The Coal Tar Research Association. Catalytic Section.	1957
NEIMME-CTRA-0185	The Volatility and Hardening of Coal Tar Pitches. Part V. A Comparison Between the Standard Distillation Test and the C.T.R.A. Index of Volatility (1.V.) Test.	E. H. Binns.		The Coal Tar Research Association. Physical Chemistry Section.	1957
NEIMME-CTRA-0186	The Recovery of Tar Acids by Extraction with Selective Solvents.	D. McNeil, B.Sc., Ph.D., F.R.I.C., M.Inst.Chem.E		The Coal Tar Research Association.	1957
NEIMME-CTRA-0187	The Utilisation of the Higher Boiling Tar Acids.	R. E. Dean, B.Sc.,Ph.D.,A.R .I.C.		The Coal Tar Research Association.	1957
NEIMME-CTRA-0188	Current Trends and Developments in the American Coal Tar Industry.	A. Fowler Williams, M.Sc.,A.R.I.C.		Paper presented to the Eighth Tar Conference, Queens Hotel, Leeds, 20th November, 1957.	1957

NEIMME-CTRA-0189	The Recovery and Utilisation of Pyridine Bases.	D. W. Milner, B.Sc.		Paper presented to the Eighth Tar Conference, Queens Hotel, Leeds, 21st November, 1957.	1957
NEIMME-CTRA-0190	Some Factors affecting the Recovery and Purification of Naphthalene.	D.K.H. Briggs, B.Sc., G.I.Mech.E.		Paper presented to the Eighth Tar Conference, Queens Hotel, Leeds, 21st November, 1957.	1957
NEIMME-CTRA-0192	The Properties of Naphthalene.	K. Preston.		The Coal Tar Research Association. Intelligence Section.	1958
NEIMME-CTRA-0193	The Processing of High-Temperature Coal Tar in Canada and the United States of America.	D. McNeil.		The Coal Tar Research Association.	1958
NEIMME-CTRA-0194	The Production and Utilization of Pitch Coke.	W. H. Huxtable.		The Coal Tar Research Association. Intelligence Section.	1958
NEIMME-CTRA-0195	The Measurement of the Water-Vapour Permeability of Pitch.	P. Ramsden.		The Coal Tar Research Association. Physical Chemistry Section.	1958
NEIMME-CTRA-0203	The Copolymerization of Acenaphthylene and Butadiene.	J. B. Hartley.		The Coal Tar Research Association. Organic Section.	1958
NEIMME-CTRA-0204	The Production of Synthesis Grade Benzene from Hydrorefined Benzoles.	W. Waddington.	R. Smith.	The Coal Tar Research Association. Catalytic Section.	1958
NEIMME-CTRA-0205	Diaryl Ethers : Their Preparation and some Reactions.	P. G. Copeland.	R. E. Dean.	The Coal Tar Research Association. Organic Section.	1958
NEIMME-CTRA-0206	Research on Pitch : Contribution to the Study of the Properties of Coal Tar Pitch.	G. Hugel.		From : Goudron pour Routes, June 1958, No 7, 5-11. and Brennstoff-Chemie, 9.7.58, 39, 213-17.	1958
NEIMME-CTRA-0207	Tar Acid Recovery - Absorption of Carbon Dioxide by Works Carbolates in a Three Inch Diameter Packed Column.	J. K. Knapton.		The Coal Tar Research Association. Chemical Engineering Advisory Service.	1958
NEIMME-CTRA-0208	The Copolymerization of Acenaphthylene and Methyl Methacrylate.	J. B. Hartley.	R. E. Dean.	The Coal Tar Research Association. Organic Section.	1958
NEIMME-CTRA-0209	The Assay of Tars Produced in a Lurgi Continuous Gasification Plant.	G. A. Vaughan.		The Coal Tar Research Association. Analytical Section.	1958
NEIMME-CTRA-0210	The Viscosity of Coal Tar Products.	H.-G. Franck.	O. Wegener.	From : Brennstoff-Chemie, 9.7.58, 39, 195-207.	1958
NEIMME-CTRA-0213	Factors affecting the Purity of Crystal Naphthalene. I. Experiments on Commercial Oils.	D.K.H. Briggs.		The Coal Tar Research Association. Catalytic Section.	1958

NEIMME-CTRA-0216	Some Constituents of the Higher Boiling Tar Acids. - Part II.	R. E. Dean.		The Coal Tar Research Association. Organic Section.	1958
NEIMME-CTRA-0217	A Suggested Method for the Characterisation of Crude Tars.	D. McNeil, B.Sc.,Ph.D.,F.R. I.C., M.I.Chem.E.		From the Paper presented to the Ninth Tar Conference, Queens Hotel, Leeds, 28th October, 1958.	1958
NEIMME-CTRA-0218	The Quantitative Analysis of the Higher-Boiling Neutral Tar Oils by Gas-Liquid Chromatography.	D. W. Grant, B.Sc.		From the Paper presented to the Ninth Tar Conference, Queens Hotel, Leeds, 28th October, 1958.	1958
NEIMME-CTRA-0219	Oil Gasification at Fulham.	J. D. Grant, M.A., Assoc.M.Inst.G as.E.		From the Paper presented to the Ninth Tar Conference, Queens Hotel, Leeds, 28th October, 1958.	1958
NEIMME-CTRA-0220	The Composition of Tars produced in the Lurgi, Gas Integrale, Onia-Gegi and Segas Commercial Gas-Making Processes.	G. A.Vaughan, F.R.I.C.		From the Paper presented to the Ninth Tar Conference, Queens Hotel, Leeds, 28th October, 1958.	1958
NEIMME-CTRA-0221	Factors affecting the Purity of Crystal Naphthalene. II. The Composition and Structure of the Crystal.	D.K.H. Briggs.		The Coal Tar Research Association. Catalytic Section.	1958
NEIMME-CTRA-0222	The Removal of Sulphur from Naphthalene.	D.K.H. Briggs.		The Coal Tar Research Association. Catalytic Section.	1959
NEIMME-CTRA-0223	The Chemical Composition of Coal-Tar Pitch. The Synthesis of Polycyclic Hydrocarbons. Part II.	P. G. Copeland.		The Coal Tar Research Association. Organic Section.	1958
NEIMME-CTRA-0224	The Design and Operation of a Large Scale Column for Gas-Liquid Chromatography.	D. W. Grant.		The Coal Tar Research Association. Analytical Section.	1959
NEIMME-CTRA-0225	The Introduction of Substituents into the Pyridine Ring.	K. Thomas.	D. Jerchel.	From : Angewandte Chemie, 21.12.58, 70, 719-37.	1959
NEIMME-CTRA-0226	The Extraction and Separation of Coal Tar Bases. Part I. The Extraction of Pyridine.	W. Waddington.	G. A. D'Arcy.	The Coal Tar Research Association. Catalytic Section.	1959
NEIMME-CTRA-0227	The Assay of Six Canadian Coke-Oven Tars.	G. A. Vaughan.		The Coal Tar Research Association. Analytical Section.	1959
NEIMME-CTRA-0228	The Chemical Composition of Coal-Tar Pitch. The Synthesis of Polycyclic Hydrocarbons. Part III.	P. G. Copeland.		The Coal Tar Research Association. Organic Section.	1959
NEIMME-CTRA-0229	The Extraction and Separation of Coal Tar Bases. Part II. The Separation of Pyridine Homologues.	W. Waddington.	G. A. D'Arcy.	The Coal Tar Research Association. Catalytic Section.	1959

NEIMME-CTRA-0230	The Synthesis of some new Phenols.	A. Midgley.	R. E. Dean.	The Coal Tar Research Association. Organic Section.	1959
NEIMME-CTRA-0231	Factors affecting the Purity of Crystal Naphthalene. III. The Composition of Industrial Samples.	D.K.H. Briggs.		The Coal Tar Research Association. Catalytic Section.	1959
NEIMME-CTRA-0232	Surface Tension, Density and Viscosity of Coal Tar Pitch.	T. Ya. Gogoleva.	M. A. Stepanenko.	From : Koks i Khimiya, 1959, No. 4, 42-5.	1959
NEIMME-CTRA-0233	Reactions of Sulphur with Aromatic and Aliphatic Compounds.	R. Wegler et al.		From : Angewandte Chemie, 21.6.58, 70, 351-67.	1959
NEIMME-CTRA-0234	Equilibria between Solutions of Phenol in Toluene and Aqueous Solutions of Sodium Hydroxide. Part II. Further work on systems containing an excess of Phenol, and work on systems containing an excess of Sodium Hydroxide.	E. H. Binns.		The Coal Tar Research Association. Physical Section.	1959
NEIMME-CTRA-0235	Problems in the Production of Pure Naphthalene by Distillation.	C. Gewers.		From : Erdol u Kohle, April 1959, 12, 231-6.	1959
NEIMME-CTRA-0236	A Study of a Commercial Tar Acid Plant.	J. K. Knapton.	G. H. Thompson.	The Coal Tar Research Association. Chemical Engineering Advisory Service.	1959
NEIMME-CTRA-0237	Recent Developments in the Technical Recovery of Pure Coal Tar Bases.	R. Oberkobusch.		From : Brennstoff-Chemie, 20.5.59, 40, 145-51.	1959
NEIMME-CTRA-0238	A Comparison between Coal Tar Pitch and Asphalt based Pipe-Coating Enamels : A Literature Survey.	D. McNeil.		The Coal Tar Research Association.	1959
NEIMME-CTRA-0239	The Use of Coal Tar Pitch as a Binder for Coal Briquettes.	C. R. Mason.		The Coal Tar Research Association. Physical Section.	1959
NEIMME-CTRA-0240	Methods for Determining Coking Value of Pitch Binders for use in Carbon Electrode Manufacture.	C. R. Mason.		The Coal Tar Research Association. Physical Section.	1959
NEIMME-CTRA-0241	The Dispersion of Coal in Coal Tar Pitch and Oils. A Literature Survey.	M. R. Kuhnel.		The Coal Tar Research Association. Physical Section.	1959
NEIMME-CTRA-0242	The Economic Importance of Wood Preservation.	F. Kollmann.		From : Holz als Roh- u. Werkstoff, July 1959, 17, 261-7.	1959
NEIMME-CTRA-0243	O-Cresol : A Literature Survey.	A Midgley.	R. E. Dean.	The Coal Tar Research Association. Organic Section.	1959

NEIMME-CTRA-0244	Temperature-Viscosity Diagrams for Road Tars, Pitches and Technical Tar Oils.	H. -G. Franck.	O. Wegener.	From : Strassenbau u. Bautenschutz, August 1959, 8. 22-8.	1959
NEIMME-CTRA-0245	The First Ten Years and After.	D. McNeil, Ph.D., B.Sc., F.R.I.C., M.I.Chem.E.		From the Tenth Tar Conference, Great Northern Hotel, Leeds, 3rd November, 1959.	1959
NEIMME-CTRA-0246	The Storey of Four Ashes Refinery.	W. F. Dines.	E. H. Joscelyne, B.Sc., M.I.Chem. E.	From the Tenth Tar Conference, Great Northern Hotel, Leeds, 3rd November, 1959.	1959
NEIMME-CTRA-0247	Tar Acid Recovery.	G. H. Thompson, M.Sc., A.M.Inst. Gas.E., A.M.Inst.F.		From the Tenth Tar Conference, Great Northern Hotel, Leeds, 3rd November, 1959.	1959
NEIMME-CTRA-0248	The Effect of Preoxidation of Coal for use in Pitch/Coal Dispersions.	C. R. Mason.		The Coal Tar Research Association. Physical Section.	1959
NEIMME-CTRA-0249	Preparation and Properties of Coating Materials for Underground Pipes. Part I. The Formulation of A.W.W.A. Grade Enamel and Primer using Coke Oven Materials.	M. R. Kuhnel.		The Coal Tar Research Association. Physical Section.	1960
NEIMME-CTRA-0250	Analysis of Phenols by Gas Chromatography.	A. Kreyenbuhl.	H. Weiss.	From : Bull. soc. chim. France, Dec. 1959, 1880-4.	1960
NEIMME-CTRA-0251	The Design of Small Laboratory Feed-Pumps for use with Non-Lubricating Liquids.	H. L. Blamires.		The Coal Tar Research Association.	1960
NEIMME-CTRA-0252	The Nature, Preparation and Properties of Amine-Clays.	D. White, B.Sc., Ph.D.		The Coal Tar Research Association.	1960
NEIMME-CTRA-0253	Preparation and Properties of Coating Materials for Underground Pipes. Part II. The Examination of Commercial Enamels and Primers.	M. R. Kuhnel.		The Coal Tar Research Association. Physical Section.	1960
NEIMME-CTRA-0254	The Analysis of Low Boiling Tar Acids by a Silylation Technique and Gas Chromatography.	D. W. Grant.		The Coal Tar Research Association. Analytical Section.	1960

NEIMME-CTRA-0255	Isomerization and Disproportionation of Cresols.	K. Kochloefl et al.		From : Collection of Czechoslovak Chemical Communications, March 1959, 24, 958-67.	1960
NEIMME-CTRA-0256	Tar Acids Recovery : The Effect of Operating Variables on the Springing of Cresylate in a Packed Tower.	J. K. Knapton.		The Coal Tar Research Association. Chemical Engineering Section.	1960
NEIMME-CTRA-0257	The Composition of Two Tars Produced by the O.N.I.A. - G.E.G.I. Gas-Making Processes.	G. A. Vaughan.		The Coal Tar Research Association. Analytical Section.	1960
NEIMME-CTRA-0258	Tar Acids Recovery : The Mechanism of Absorption.	D.K.H. Briggs.		The Coal Tar Research Association. Chemical Engineering Section.	1960
NEIMME-CTRA-0259	Tar Acids Recovery : A Study of Industrial Springing Columns.	G. H. Thompson.		The Coal Tar Research Association. Chemical Engineering Section.	1960
NEIMME-CTRA-0260	The Determination of Molecular Weights of Coal Tar Pitch Fractions.	L. J. Wood.		The Coal Tar Research Association. Physical Section.	1960
NEIMME-CTRA-0261	The Assay of a Low-Temperature Tar Prepared by Fluidization of Low-Rank Coal.	G. A. Vaughan.		The Coal Tar Research Association. Analytical Section.	1960
NEIMME-CTRA-0262	Desulphurization of Naphthalene by Sodium.	D.K.H. Briggs.		The Coal Tar Research Association. Catalytic Section.	1960
NEIMME-CTRA-0263	Tar Acid Recovery : The Effect of Liquor Quality on the Springing of Cresylate in a Packed Tower.	J. K. Knapton.		The Coal Tar Research Association. Chemical Engineering Section.	1960
NEIMME-CTRA-0264	For Your Information.	W. H. Huxtable.		The Coal Tar Research Association. Eleventh Tar Conference, 1960.	1960
NEIMME-CTRA-0265	Coal Tar Pitch-Based Coatings for Underground Pipes.	M. R. Kuhnel, A.R.I.C.		The Coal Tar Research Association. Eleventh Tar Conference, 1960.	1960
NEIMME-CTRA-0266	Studies on the Recovery of Naphthalene from Coke Oven Tar.	J. Donovan.		The Coal Tar Research Association. Eleventh Tar Conference, 1960.	1960
NEIMME-CTRA-0267	The Potentialities of Capillary Columns in the Analysis of Coal Tar Fractions.	D. W. Grant.		The Coal Tar Research Association. Analytical Section.	1960
NEIMME-CTRA-0268	The Chemical Constitution of Road Tars and Coal Tar Pitches.	L. J. Wood.		The Coal Tar Research Association. Physical Chemistry Section.	1961
NEIMME-CTRA-0269	The Assay of Three Intermittent Vertical Retort Tars.	G. A. Vaughan.		The Coal Tar Research Association. Analytical Section.	1961
NEIMME-CTRA-0270	Prospects for Naphthalene.	By : I. M. Nosalevich.	L. F. Kuzmichenko.	From : Zhur. Vsesoyuz. Khim. Obshchestva im D.I. Mendeleeva, 1960, V, No. 1, 27-32.	1961

NEIMME-CTRA-0271	Preparation of High Quality Coumarone-Indene Resins using Boron Trifluoride as Catalyst.	By : J. Szuda.	H. Wolk-Laniewska.	From : Koks-Smola-Gaz, 1960, 5, 188-194.	1961
NEIMME-CTRA-0272	The Examination of Some Weathered Tars.	L. J. Wood.		The Coal Tar Research Association. Physical Chemistry Section.	1961
NEIMME-CTRA-0273	The Determination of Excess Tar Acids or Sodium Hydroxide in Cresylates.	G. A. Vaughan.		The Coal Tar Research Association. Analytical Section.	1961
NEIMME-CTRA-0274	The Assay of a "Cleanglow" Tar.	G. A. Vaughan.		The Coal Tar Research Association. Analytical Section.	1961
NEIMME-CTRA-0275	The Characterization of Road Tars.	G. A. Vaughan.		The Coal Tar Research Association. Analytical Section.	1961
NEIMME-CTRA-0277	Preparation and Properties of Coating Materials for Underground Pipes. Part III. The Use and Selection of Various Components in the Preparation of Coal Tar Enamels.	M. R. Kuhnel.		The Coal Tar Research Association. Physical Chemistry Section.	1961
NEIMME-CTRA-0278	Preparation and Properties of Coating Materials for Underground Pipes. Part IV. Further Studies in the Preparation of Coke Oven-Based Primers.	M. R. Kuhnel.		The Coal Tar Research Association. Physical Chemistry Section.	1961
NEIMME-CTRA-0279	Continuous Coking.	W. H. Huxtable.		The Coal Tar Research Association. Intelligence Section.	1961
NEIMME-CTRA-0280	The Economic Aspects of Creosote Cracking.	W. D. Betts.	W. Waddington and D. McNeil.	The Coal Tar Research Association. Catalytic Section.	1961
NEIMME-CTRA-0281	The Up-Grading of Light Creosote Oil and Improvements in Naphthalene Recovery at Beckton.	P. F. Hayes, B.Sc., Ph.D., A.M.I.Chem.E.	G. Cleaver, B.Sc., A.R.I.C., A.M.Inst.GasE.	The Coal Tar Research Association. Twelfth Tar Conference, 1961.	1961
NEIMME-CTRA-0282	The Kinetics of the Thermal Cracking of Polynuclear Hydrocarbons.	J. W. Freeman, B.A.		The Coal Tar Research Association. Twelfth Tar Conference, 1961.	1961
NEIMME-CTRA-0283	Recent Studies on the Dealkylation of High-Boiling Tar Acids.	M. H. Milnes, A.R.I.C.		The Coal Tar Research Association. Twelfth Tar Conference, 1961.	1961
NEIMME-CTRA-0284	Rheology and Structure of Mixtures of Road Tar and Bitumen.	L. J. Wood.		The Coal Tar Research Association. Physical Chemistry Section.	1961

NEIMME-CTRA-0285	Creosote Coke.	W. Waddington.	R. Smith.	The Coal Tar Research Association. Catalytic Section.	1961
NEIMME-CTRA-0286	Recent Work on the Chemical Structure of Coal Tar Pitch.	E. H. Binns.		The Coal Tar Research Association. Physical Chemistry Section.	1962
NEIMME-CTRA-0287	Naphthalene Recovery and Purification : A Design Method for Continuous Fractional Distillation Columns.	J. K. Knapton.		The Coal Tar Research Association. Chemical Engineering Section.	1962
NEIMME-CTRA-0288	The Kinetics of the Thermal Treatment of Pitch.	C. R. Mason.		The Coal Tar Research Association. Physical Chemistry Section.	1962
NEIMME-CTRA-0289	Naphthalene Recovery and Purification : Refrigeration Experiments.	D.K.H. Briggs.		The Coal Tar Research Association. Chemical Engineering Section.	1962
NEIMME-CTRA-0290	Naphthalene Recovery and Purification : Crystallization of Synthetic Oils.	D.K.H. Briggs.		The Coal Tar Research Association. Chemical Engineering Section.	1962
NEIMME-CTRA-0291	The Production of Phthalic Anhydride on the Pilot-Plant Scale.	W. D. Betts.		The Coal Tar Research Association. Catalytic Section.	1962
NEIMME-CTRA-0292	Coal Tar Creosote and Wood Preservation : Recent Literature.	A. P. Walker.		The Coal Tar Research Association. Intelligence Section.	1962
NEIMME-CTRA-0293	Naphthalene Recovery and Purification : A Design Method for Batch Fractional Distillation Columns.	J. K. Knapton.		The Coal Tar Research Association. Chemical Engineering Section.	1962
NEIMME-CTRA-0294	The Properties of Pitch-Polymer Mixtures. Part I. Low Polymer Concentrations.	L. J. Wood.		The Coal Tar Research Association. Physical Chemistry Section.	1962
NEIMME-CTRA-0295	Further Development of Age-Resistant Road Tars. Part I.	K. Krenkler.		From : Bit., Teere, Asph., Peche, May 1962, 13, 217-21. and June 1962, 13, 261-4.	1962
NEIMME-CTRA-0296	Method for the Continuous Production of Hot-Pressed Naphthalene.	H. Berge.		From : Gas-und Wasserfach, 6.7.62, 103, 699-705.	1962
NEIMME-CTRA-0297	The Composition of Two Tars Produced by the Segas-Making Process.	G. A. Vaughan.		The Coal Tar Research Association. Analytical Section.	1962
NEIMME-CTRA-0298	Further Development of Age-Resistant Road Tars.	Krenkler.		From : Bit., Teere, Asph., Peche, July 1962, 13, 311-17. and August 1962, 13, 361-4.	1962
NEIMME-CTRA-0299	Future Trends in Markets for Tar Products.	D. McNeil. B.Sc., Ph.D., F.R.I.C., M.I.Chem.E.		From the Coal Tar Research Association. Thirteenth Tar Conference, 1962.	1962

NEIMME-CTRA-0300	Continuous Tar Acids Extraction at Ordnance Wharf.	J. B. McKean. B.Sc., A.R.I.C., M.Inst.Gas.E., A.M.I.Chem.E.		From the Coal Tar Research Association. Thirteenth Tar Conference, 1962.	1962
NEIMME-CTRA-0301	Tar Processing for Profit.	E. H. Joscelyne. B.Sc., M.I.Chem.E.	A. R. Gallaway. B.Sc., A.M.I.Chem.E. and G. H. Thompson. M.Sc., A.M.I.Gas. E., A.M.Inst.F.	From the Coal Tar Research Association. Thirteenth Tar Conference, 1962.	1962
NEIMME-CTRA-0302	The Assay of the Westfield Lurgi Tar.	G. A. Vaughan.		From the Coal Tar Research Association. Analytical Section.	1963
NEIMME-CTRA-0303	Prediction Equations for Alcan Coking Value.	M. Downer.		From the Coal Tar Research Association. Analytical Section.	1963
NEIMME-CTRA-0304	An Evaluation of Different Methods of Thermally Treating a Coke Oven Pitch.	C. R. Mason.		From the Coal Tar Research Association. Chemical Engineering Section.	1963
NEIMME-CTRA-0305	The Thermal Cracking of a Drained Naphthalene Oil.	W. D. Betts.		From the Coal Tar Research Association. Catalytic Section.	1963
NEIMME-CTRA-0306	The Criteria for Soderberg Electrode Binders.	C. R. Mason.		From the Coal Tar Research Association. Chemical Engineering Section.	1963
NEIMME-CTRA-0307	Thermal Treatment of Pitch from Mixed Tars.	C. R. Mason.		From the Coal Tar Research Association. Chemical Engineering Section.	1963
NEIMME-CTRA-0308	The Determination of Chemical Engineering Data on Tar and Tar Products. IX. The Viscosity of Coal Tar Distillates.	D.K.H. Briggs.		From the Coal Tar Research Association. Chemical Engineering Section.	1963

NEIMME-CTRA-0309	Dr. McNeil's visit to America : January 1963.	D. McNeil.		From the Coal Tar Research Association.	1963
NEIMME-CTRA-0310	The Benzole and Tar Distilling Industries in the Soviet Union.			From the Coal Tar Research Association.	1963
NEIMME-CTRA-0311	Preparation and Properties of Mixtures of Pitch and Synthetic Rubbers.	M. R. Kuhnel.		From the Coal Tar Research Association. Catalytic Section.	1963
NEIMME-CTRA-0312	The Reforming of a Low-Gravity Naphtha.	W. D. Betts.		From the Coal Tar Research Association. Catalytic Section.	1963
NEIMME-CTRA-0313	The Thermal Cracking of Higher Boiling Tar Bases.	W. D. Betts.		From the Coal Tar Research Association. Catalytic Section.	1963
NEIMME-CTRA-0314	Composition of the Tar Acids Recovered from Tar Oils Boiling 230-300DegreesC.	Dr. R. E. Dean.		From the Coal Tar Research Association. Organic Section.	1963
NEIMME-CTRA-0315	Aspects of Productivity within the Present Structure of the British Tar Industry.	Josiah B. Lane.		From the Coal Tar Research Association. Fourteenth Tar Conference, 1963.	1963
NEIMME-CTRA-0317	Mild Thermal Cracking as a Possible Solution to the Surplus Creosote Problem.	W. Waddington, B.Sc., A.R.C.S.	W. D. Betts, B.Sc.	From the Coal Tar Research Association. Fourteenth Tar Conference, 1963.	1963
NEIMME-CTRA-0318	The Assay of a Rexco Tar.	G. A. Vaughan.		From the Coal Tar Research Association. Analytical Section.	1963
NEIMME-CTRA-0319	The Assay of a Low-Temperature Tar.	G. A. Vaughan.		From the Coal Tar Research Association. Analytical Section.	1963
NEIMME-CTRA-0320	An Automatic Gas and Vapour Sampling Valve. Part I.	D. W. Grant.		From the Coal Tar Research Association. Analytical Section.	1963
NEIMME-CTRA-0321	The Distribution of Phenols and Bases in Coal Tar.	G. A. Vaughan.		From the Coal Tar Research Association. Analytical Section.	1963
NEIMME-CTRA-0322	The Determination of Chemical Engineering Data on Tar and Tar Products. X. The Surface Tension of Coal Tar Pitches.	D.K.H. Briggs.		From the Coal Tar Research Association. Chemical Engineering Section.	1964
NEIMME-CTRA-0323	The Thermal Cracking of Vertical Retort Creosote in a Fluidised Coke Bed.	J. Freeman.	W. D. Betts.	From the Coal Tar Research Association. Catalytic Section.	1964
NEIMME-CTRA-0324	The Determination of Chemical Engineering Data on Tar and Tar Products. XI. The Contact Angle of Pitch on Carbon Surfaces.	D.K.H. Briggs.		From the Coal Tar Research Association. Chemical Engineering Section.	1964

NEIMME-CTRA-0325	Report on Discussions with Norwegian Aluminium Companies.	C. R. Mason.		From the Coal Tar Research Association. Chemical Engineering Section.	1964
NEIMME-CTRA-0326	Symposium on the Thermal Treatment of Pitch. Part I. Commercial Aspects.	C. R. Mason.		From the Coal Tar Research Association. Chemical Engineering Section.	1964
NEIMME-CTRA-0327	Symposium on the Thermal Treatment of Pitch. Part II. Theoretical Aspects.	C. R. Mason.		From the Coal Tar Research Association. Chemical Engineering Section.	1964
NEIMME-CTRA-0328	Deposits in Tar Works Plant.	G. H. Thompson.	D.K.H. Briggs.	From the Coal Tar Research Association. Chemical Engineering Section.	1964
NEIMME-CTRA-0329	A Second Assay of the Westfield Lurgi Plant.	G. A. Vaughan.		From the Coal Tar Research Association. Analytical Section.	1964
NEIMME-CTRA-0330	The Automatic Distillation Analysis of Coal Tar and Petroleum Products under Reduced Pressure.	H. Reckhard.	J. Kurtenbach.	From : Erdol u. Kohle, June 1964, 17, 458-64.	1964
NEIMME-CTRA-0331	A Second Assay of the Colvilles Coke Oven Tar.	G. A. Vaughan.		From the Coal Tar Research Association. Analytical Section.	1964
NEIMME-CTRA-0332	Thermal Treatment of a Coke Oven Pitch in a Pot-Still.	C. R. Mason.		From the Coal Tar Research Association. Chemical Engineering Section.	1964
NEIMME-CTRA-0333	The Thermal Cracking of Vertical Retort Creosote and Related Feedstocks in an Empty Tube Reaction.	W. D. Betts.	J. W. Freeman.	From the Coal Tar Research Association. Catalytic Section.	1964
NEIMME-CTRA-0334	Methods of Treating Coal Tar Acids for the Removal of Colour : A Literature Survey.	K. Preston.		From the Coal Tar Research Association. Intelligence Section.	1964
NEIMME-CTRA-0335	Effluent Treatment.	W. H. Huxtable.	G. H. Thompson.	From the Coal Tar Research Association. Chemical Engineering Section.	1964
NEIMME-CTRA-0336	The Thermal Cracking of Vertical Retort Creosote and Related Fractions for Low-Boiling Tar Acid Production.	W. D. Betts.		From the Coal Tar Research Association. Catalytic Section.	1964
NEIMME-CTRA-0337	The Economics of Creosote Cracking for the Manufacture of Town Gas.	D. McNeil.	W. D. Betts.	From the Coal Tar Research Association. Catalytic Section.	1964

NEIMME-CTRA-0338	The Recovery of Tar Bases.	D.K.H. Briggs.	From the Coal Tar Research Association. Chemical Engineering Section.	1965
NEIMME-CTRA-0339	A Study of Pitch Coking.	D.K.H. Briggs.	From the Coal Tar Research Association. Chemical Engineering Section.	1965
NEIMME-CTRA-0340	The Reinforcement of Coal Tar Pitch with Asbestos.	M. R. Kuhnel. A.R.I.C.	From the Coal Tar Research Association. Fifteenth Tar Conference, 1965.	1965
NEIMME-CTRA-0341	The Preparation and Properties of Mixtures of Pitch and Polymers.	D. McNeil, B.Sc.,Ph.D.,F.R. I.C.,M.I.Chem. E.	From the Coal Tar Research Association. Fifteenth Tar Conference, 1965.	1965
NEIMME-CTRA-0343	Primary Bases in Pyridine Bases : An Internal Indicator for the Nitrite Titration.	G. A. Vaughan.	From the Coal Tar Research Association. Analytical Section.	1965
NEIMME-CTRA-0344	The Gas Chromatographic Analysis of Coal Tar Fractions.	D. W. Grant.	From the Coal Tar Research Association. Analytical Section.	1965
NEIMME-CTRA-0345	Characteristics of Hyperfil Packing used in Vacuum Fractionation.	J. L. Spivey.	From the Coal Tar Research Association. Chemical Engineering Section.	1965
NEIMME-CTRA-0346	Tar Acid Recovery - The Design of Packed Springing Columns.	J. K. Knapton.	From the Coal Tar Research Association. Chemical Engineering Section.	1965
NEIMME-CTRA-0347	Thermal Treatment of Pitch in a Pot Still.	M. Hopson.	From the Coal Tar Research Association. Chemical Engineering Section.	1965
NEIMME-CTRA-0348	The Assay of a Slagging Gasifier Tar.	G. A. Vaughan.	From the Coal Tar Research Association. Analytical Section.	1965
NEIMME-CTRA-0349	Naphthlene Recovery at the Avenue Works of the National Coal Board.	J. K. Knapton.	From the Coal Tar Research Association. Chemical Engineering Section.	1965
NEIMME-CTRA-0350	Determination of Calcium Hydroxide in Causticizer Filter Cake.	G. A. Vaughan.	From the Coal Tar Research Association. Analytical Section.	1965

NEIMME-CTRA-0353	The Separation of Tar Acids, Tar Bases, Paraffins and Aromatics from Vertical Retort Creosote. I. Laboratory Work.	W. D. Betts.	R. Smith.	From the Coal Tar Research Association. Catalytic Section.	1965
NEIMME-CTRA-0354	The Thermal Cracking of Tar Acids.	J. W. Freeman.		From the Coal Tar Research Association. Catalytic Section.	1965
NEIMME-CTRA-0355	An Electronic Integrator for Ionization Gas Chromatography.	D. W. Grant.		From the Coal Tar Research Association. Analytical Section.	1965
NEIMME-CTRA-0356	The Thermal Cracking of Naphthalene and Substituted Naphthalenes.	J. W. Freeman.		From the Coal Tar Research Association. Catalytic Section.	1965
NEIMME-CTRA-0357	Thermal Cracking Integrated with Tar Distillation.	W. D. Betts.		From the Coal Tar Research Association. Catalytic Section.	1966
NEIMME-CTRA-0358	Phenolic Pitch.	R. E. Dean.	J. A. Sharp.	From the Coal Tar Research Association. Organic Section.	1966
NEIMME-CTRA-0359	Chemical Examination of Road Tars from the Hercies Road Experiment.	W. G. Wilman.		From the Coal Tar Research Association. Pitch Section.	1966
NEIMME-CTRA-0360	The Extraction of Tar Bases. I. Consideration of the Variables.	D.K.H. Briggs.		From the Coal Tar Research Association. Chemical Engineering Section.	1966
NEIMME-CTRA-0361	The Determination of Chemical Engineering Data on Tar and Tar Products. XIII. Adhesion of Road Tar to Stone.	D.K.H. Briggs.		From the Coal Tar Research Association. Chemical Engineering Section.	1966
NEIMME-CTRA-0362	Fractionation of Tar Oils in a Side-Steam Column.	J. K. Knapton.		From the Coal Tar Research Association. Chemical Engineering Section.	1966
NEIMME-CTRA-0363	The Effluent Problem in the Tar Industry.	F. G. Broughall, F.R.I.C. The MidlandTar		From the C.T.R.A. Conference. 30-31 March 1966 . Bodington Hall . Leeds and at Gomersal.	1966
NEIMME-CTRA-0364	Some Applications of Enthalpimetry.	G. A. Vaughan, F.R.I.C. The Coal Tar Research Association.		From the C.T.R.A. Conference. 30-31 March 1966 . Bodington Hall . Leeds and at Gomersal.	1966

NEIMME-CTRA-0365	Practical Applications of Chemical Engineering Research in Tar Processing.	G. H. Thompson, M.Sc., A.M.I.Gas E., A.M.Inst.F.	J. K. Knapton, B.Sc., A.M.I.Che m.E.	From the C.T.R.A. Conference. 30-31 March 1966 . Bodington Hall . Leeds and at Gomersal.	1966
NEIMME-CTRA-0366	A Study of the Effect of Removal of Impurities from Cresylate on the Quality of Tar Acids.	M. Hobson.		From the Coal Tar Research Association. Chemical Engineering Section.	1966
NEIMME-CTRA-0367	The Extraction of Tar Bases. II. Partition between Aqueous and Organic Phases.	D.K.H. Briggs.		From the Coal Tar Research Association. Chemical Engineering Section.	1966
NEIMME-CTRA-0368	Further Investigation of the Thermal Treatment of Pitch.	G. H. Thompson.		From the Coal Tar Research Association. Chemical Engineering Section.	1966
NEIMME-CTRA-0369	Packed Capillary Columns.	D. W. Grant.		From the Coal Tar Research Association. Analytical Section.	1966
NEIMME-CTRA-0370	The Recycle of Naphthalene Drained Oils to Primary Tar Distillation Plants.	J. L. Spivey.		From the Coal Tar Research Association. Chemical Engineering Section.	1966
NEIMME-CTRA-0371	An Automatic Gas and Vapour Sampling Valve. Part II. Results of Monitoring Commercial Batch Stills.	D. W. Grant.		From the Coal Tar Research Association. Analytical Section.	1966
NEIMME-CTRA-0372	A Vacuum Fractionation Test and G.L.C. Simulated Distillation for Road Tars.	W. G. Wilman.	M. Harrison.	From the Coal Tar Research Association. Pitch Section.	1966
NEIMME-CTRA-0373	Tar Acid Recovery : Wet Crude Tar Acids Treatment - Part I.	J. L. Spivey.		From the Coal Tar Research Association. Chemical Engineering Section.	1966
NEIMME-CTRA-0374	The Methylation of Phenol. Part I. Catalyst Screening Tests and an Examination of Alumina Catalysts.	J. A. Sharp.		From the Coal Tar Research Association. Organic Section.	1966
NEIMME-CTRA-0375	The Methylation of Phenol. Part II. An Examination of Ceric Oxide Catalysts.	J. A. Sharp.		From the Coal Tar Research Association. Organic Section.	1966
NEIMME-CTRA-0376	The Partition of Tar Acids Between Aqueous and Organic Phases.	D.K.H. Briggs.		From the Coal Tar Research Association. Chemical Engineering Section.	1967

NEIMME-CTRA-0377	An Investigation of Coal Tar Pitch Binder for Carbon Electrodes.	C. R. Mason.		From the Coal Tar Research Association. Pitch Section.	1966
NEIMME-CTRA-0378	Catalytic Dealkylation of Tar Acids. Part I. At Atmospheric Pressure.	M. H. Milnes.		From the Coal Tar Research Association. Organic Section.	1966
NEIMME-CTRA-0380	The Adhesion of Road Tar to Stone.	D.K.H. Briggs.		From the Coal Tar Research Association. Chemical Engineering Section.	1967
NEIMME-CTRA-0381	Laboratory Testing and Full-Scale Mixing Trial of Standard and Low-Volatility Tars in Dense Tarmacadam Basecourse Material at Clitheroe.	W. G. Wilman.		From the Coal Tar Research Association. Pitch Section.	1967
NEIMME-CTRA-0382	Tar Acids Recovery : Wet Crude Tar Acids Treatment - Part II.	J. L. Spivey.		From the Coal Tar Research Association. Chemical Engineering Section.	1967
NEIMME-CTRA-0383	The Synthesis of Cymenes and Their Use in the Preparation of Cresols.	J. A. Sharp.		From the Coal Tar Research Association. Organic Section.	1967
NEIMME-CTRA-0384	The Chlorination of Benzene and Toluene; A Literature Survey.	J. A. Sharp.		From the Coal Tar Research Association. Organic Section.	1967
NEIMME-CTRA-0385	Liquid-Phase Hydrolysis of Chlorobenzene and Chlorotoluene- A literature survey.	J. A. Sharp.		From the Coal Tar Research Association. Organic Section.	1967
NEIMME-CTRA-0387	The Separation of Tar Acids, Tar Bases, Paraffins and Aromatics from Vertical Retort Creosote. Ii. Pilot Plant Work.	W. D. Betts.	R. Smith.	From the Coal Tar Research Association. Catalytic Section.	1967
NEIMME-CTRA-0388	Surface Dressing Trials with PVC/tar in the Lindsey County Division of Lincolnshire.	M. R. Kuhnel.		From the Coal Tar Research Association. Pitch Section.	1967
NEIMME-CTRA-0389	An Investigation of Electrode Binder Pitches by C.T.R.A. and Four Aluminium Companies.	C. R. Mason.		From the Coal Tar Research Association. Pitch Section.	1968
NEIMME-CTRA-0390	Further Studies of the Properties of Mixtures of Pitch and Synthetic Rubbers.	M. R. Kuhnel.		From the Coal Tar Research Association. Pitch Section.	1967
NEIMME-CTRA-0391	Full-Scale Mixing Trial of a Low-Volatile Tar in Dense Basecourse Material at Winder, Cumberland.	W. G. Wilman.		From the Coal Tar Research Association. Pitch Section.	1967
NEIMME-CTRA-0392	Submerged Combustion as a Method of Thermally Treating Pitch.	C. R. Mason.		From the Coal Tar Research Association. Pitch Section.	1967
NEIMME-CTRA-0393	The Use of Coal Tar Oils in the Manufacture of Carbon Black.	W. D. Betts.		From the Coal Tar Research Association. Catalytic Section.	1968

NEIMME-CTRA-0394	Naphthalene Recovery and Purification : Factors Affecting Production on the Plant Scale.	J. K. Knapton.		From the Coal Tar Research Association. Chemical Engineering Section.	1968
NEIMME-CTRA-0395	The Determination of Chemical Engineering Data on Tar and Tar Products. XIV. The Brittle Point of Road Tar.	D.K.H. Briggs.		From the Coal Tar Research Association. Chemical Engineering Section.	1968
NEIMME-CTRA-0396	Coal Tar Creosote and Wood Preservation : Supplementary Literature Survey 1962-1967.	V. C. A. Hughes.		From the Coal Tar Research Association. Intelligence Section.	1968
NEIMME-CTRA-0398	Studies of Roomheat Tar.	M. Hobson.		From the Coal Tar Research Association. Chemical Engineering Section.	1968
NEIMME-CTRA-0399	Vapour-Phase Hydrolysis of Aryl Halides; A Literature Survey.	J. A. Sharp.		From the Coal Tar Research Association. Organic Section.	1968
NEIMME-CTRA-0400	The Production of Carbazole from Coal Tar and by Synthesis; A Literature Survey.	D. McNeil.		From the Coal Tar Research Association.	1968
NEIMME-CTRA-0401	The Determination of Chemical Engineering Data on Tar and Tar Products. XV. An Impact Test for Road Binders.	D.K.H. Briggs.		From the Coal Tar Research Association. Chemical Engineering Section.	1968
NEIMME-CTRA-0402	The Cooling of Pitch in Bays.	M. Hobson.		From the Coal Tar Research Association. Chemical Engineering Section.	1968
NEIMME-CTRA-0403	The Optimization of Column Variables in Gas Liquid Chromatography.	D. W. Grant.		From the Coal Tar Research Association. Analytical Section.	1968
NEIMME-CTRA-0404	Thermal Treatment of Pitch by Radiant Heat.	J. K. Knapton.		From the Coal Tar Research Association. Chemical Engineering Section.	1968
NEIMME-CTRA-0405	Naphthalene Recovery; Steam Stripping of Wash Oil.	M. Hopson.		From the Coal Tar Research Association. Chemical Engineering Section.	1969
NEIMME-CTRA-0406	The Recovery of Tar Acids from Tar Oils by Solvent Extraction.	W. D. Betts.		From the Coal Tar Research Association. Catalytic Section.	1969
NEIMME-CTRA-0407	Over 40 Years Experience of Road Tar.	Col. S. Maynard Lovell.		From the Paper presented to Seventeenth Tar Conference, Leeds, 23rd April, 1969.	1969

NEIMME-CTRA-0408	Better Binders For Roads.	Dr. D. McNeil.		From the Paper presented to Seventeenth Tar Conference, Leeds, 23rd April, 1969.	1969
NEIMME-CTRA-0409	A Surface Dressing Trial with PVC Tar on the Hardshoulder of the Edinburgh-Glasgow Motoway M.8, Dechmont-Whitburn Section 7th May, 1969.	M. R. Kuhnel.		The Coal Tar Research Association.	1969
NEIMME-CTRA-0410	A Surface Dressing Trial with PVC Tar on A74, Lanarkshire 13th and 14th May 1969.	M. R. Kuhnel.		The Coal Tar Research Association.	1969
NEIMME-CTRA-0411	Accelerated Weathering of Road Tar.	D.K.H. Briggs.		The Coal Tar Research Association. Chemical Engineering Section.	1969
NEIMME-CTRA-0412	Porous Layer Open Tubular Columns in Gas Chromatography.	D. W. Grant.		The Coal Tar Research Association. Analytical Section.	1969
NEIMME-CTRA-0413	Control and Performance of Two Tar Distillation Units.	M. Hobson.		The Coal Tar Research Association. Chemical Engineering Section.	1969
NEIMME-CTRA-0414	Functional Study of a Low Temperature Tar Distillation Unit.	M. Hobson.	J. K. Knapton.	The Coal Tar Research Association. Chemical Engineering Section.	1969
NEIMME-CTRA-0415	The Use of a Capacitance Probe as a Moisture Meter for Crude Coke Oven Tar.	J. K. Knapton.		The Coal Tar Research Association. Chemical Engineering Section.	1969
NEIMME-CTRA-0416	The Direct Determination of Phenols in Tar Oils by Electron Capture Gas Chromatography of their Bromomethyl dimethyl Silyl Ethers.	D. W. Grant.		The Coal Tar Research Association. Analytical Section.	1969
NEIMME-CTRA-0417	A Surface Dressing Trial with PVC Tar on The Wicker, Sheffield.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1969
NEIMME-CTRA-0418	The Wetting of Stone by Road Binders. Part I. Road Tars and PVC Tars.	D.K.H. Briggs.		The Coal Tar Research Association. Chemical Engineering Section.	1969
NEIMME-CTRA-0419	A Full-Scale Surface Dressing Experiment using a Low Temperature Tar/Bitumen Binder on a road in Chesterfield.	W. G. Wilman.		The Coal Tar Research Association. Pitch Section.	1969
NEIMME-CTRA-0420	Re-Surface Dressing Part of A74, Lanarkshire, with PVC Tar.	W. G. Wilman.		The Coal Tar Research Association. Pitch Section.	1969
NEIMME-CTRA-0421	Oxidation of Anthracene Cake.	W. D. Betts.		The Coal Tar Research Association. Catalytic Section.	1969
NEIMME-CTRA-0422	Hydrogenation of Quinoline Bases.	W. D. Betts.		The Coal Tar Research Association. Catalytic Section.	1969

NEIMME-CTRA-0423	The Use of High Viscosity Tar/Bitumen Blends for Road Bases and Basecourses.	F. Liversedge. (M-Y.T.D.)	W. G. Wilman. (C.T.R.A.)	The Coal Tar Research Association. Pitch Section.	1969
NEIMME-CTRA-0424	A Double-Coated Macadam Experiment on A488, Near Minsterley, Shropshire.	M. R. Kuhnel		The Coal Tar Research Association. Pitch Section.	1969
NEIMME-CTRA-0425	A Full-Scale Coated Macadam Experiment on A156, Lincolnshire, Using PVC Tar.	W. G. Wilman.		The Coal Tar Research Association. Pitch Section.	1969
NEIMME-CTRA-0426	Reactions of Aromatic Hydrocarbons with Nucleophiles in the Presence of Transition Metal Catalysts.	C. Ely.		The Coal Tar Research Association. Catalytic Section.	1969
NEIMME-CTRA-0427	The High Temperature Methylation of Phenol and the Transalkylation of Alkyl Phenols.	J. A. Sharp. M. Fielding.	R. E. Dean.	The Coal Tar Research Association. Organic Section.	1969
NEIMME-CTRA-0428	Synthesis of Indanols from Indane by the Sulphonation Route.	J. A. Sharp.		The Coal Tar Research Association. Organic Section.	1969
NEIMME-CTRA-0429	The Synthesis of o-Phenylphenol from Cyclohexanone.	M. Fielding.		The Coal Tar Research Association. Organic Section.	1969
NEIMME-CTRA-0430	The Production of Naphthols by the Vapour Phase Steam Hydrolysis of Chloronaphthalenes.	J. A. Sharp.		The Coal Tar Research Association. Organic Section.	1969
NEIMME-CTRA-0431	The Synthesis of Compounds for Biological Evaluation. Part I. N-Substituted Aryl Carbamates.	R. E. Dean.	P. G. Copeland.	The Coal Tar Research Association. Organic Section.	1969
NEIMME-CTRA-0432	The Synthesis of Compounds for Biological Evaluation. Part 2. Nitrophenols.	R. E. Dean.		The Coal Tar Research Association. Organic Section.	1970
NEIMME-CTRA-0433	Continuous Fractional Crystallisation. Part I. Experiments with the Phillips and other Crystallisers.	J. W. Freeman.		The Coal Tar Research Association. Catalytic Section.	1970
NEIMME-CTRA-0434	The Production and Properties of Coal/Tar Oil Dispersions.	W. D. Betts.	R. Smith.	The Coal Tar Research Association. Catalytic Section.	1970
NEIMME-CTRA-0435	Tar Distillation : An Enquiry into Operation and Control.	J. K. Knapton.		The Coal Tar Research Association. Chemical Engineering Section.	1970
NEIMME-CTRA-0436	The Production of Refined and Modified Creosotes for Wood Preservation.	W. D. Betts.	R. Smith.	The Coal Tar Research Association. Catalytic Section.	1970
NEIMME-CTRA-0437	Spraying Characteristics of PVC Tars.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1970
NEIMME-CTRA-0438	An Adhesion Tester for Road Binders. I. The Critical Adhesion Temperature.	D.K.H. Briggs.	J. A. Croft.	The Coal Tar Research Association. Chemical Engineering Section.	1970

NEIMME-CTRA-0439	A Capacitance Probe as a Moisture Meter for Crude Low Temperature Tar.	J. K. Knapton.	B. Broadbent.	The Coal Tar Research Association. Chemical Engineering Section.	1970
NEIMME-CTRA-0440	Control of Tar Distillation Units.	M. Hobson.		The Coal Tar Research Association. Chemical Engineering Section.	1970
NEIMME-CTRA-0441	Standard Impact Energies of Road Binders.	D.K.H. Briggs.		The Coal Tar Research Association. Chemical Engineering Section.	1970
NEIMME-CTRA-0442	The Wetting of Stone by Road Binders. Part II. Tars, Bitumens and their Mixtures.	D.K.H. Briggs.		The Coal Tar Research Association. Chemical Engineering Section.	1970
NEIMME-CTRA-0443	A Simple Ductility-Tenacity Check.	D.K.H. Briggs.		The Coal Tar Research Association. Chemical Engineering Section.	1970
NEIMME-CTRA-0444	Preparation and Properties of Tar/Bitumen Mixtures.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1970
NEIMME-CTRA-0445	Cationic Tar Emulsions, Part I. Preparation of Road Tar Emulsions.	P. G. Copeland.		The Coal Tar Research Association. Organic Section.	1970
NEIMME-CTRA-0446	Cationic Tar Emulsions, Part 2. Formulation of Slurry Seals from 42Deg. e.v.t. Tar Emulsions.	P. G. Copeland.		The Coal Tar Research Association. Organic Section.	1970
NEIMME-CTRA-0447	Cationic Tar Emulsions, Part 3. Formulation of Slurry Seals With Emulsions of High Viscosity and PVC Tars.	P. G. Copeland.		The Coal Tar Research Association. Organic Section.	1970
NEIMME-CTRA-0449	Production and Storage of PVC Tar.	W. G. Wilman.		The Coal Tar Research Association. Pitch Section.	1970
NEIMME-CTRA-0450	Synthesis of Indanols from Indane by Chlorination-Hydrolysis Sequences.	J. A. Sharp.		The Coal Tar Research Association. Organic Section.	1970
NEIMME-CTRA-0451	Plate Calculation for a Sidestream Column.	M. Hobson.		The Coal Tar Research Association. Chemical Engineering Section.	1970
NEIMME-CTRA-0453	Composition of Coke Oven Wash Oils.	R. E. Dean.	M. Fielding.	The Coal Tar Research Association. Organic Section.	1970
NEIMME-CTRA-0454	An Adhesion Tester for Road Binders. II. Factors Affecting Stone Retention.	D.K.H. Briggs.		The Coal Tar Research Association. Pitch Section.	1970
NEIMME-CTRA-0455	The Effect of PVC Stabilizers on Heat Stability of PVC Tars.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1970
NEIMME-CTRA-0456	A Surface Dressing Trial Using a High Viscosity PVC Tar on A619 in Staveley, Derbyshire.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1970
NEIMME-CTRA-0457	A Full-Scale Surface Dressing Experiment Using a Low Temperature Tar/Bitumen Binder on a Road Near Bolsover.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1970

NEIMME-CTRA-0458	A Surface Dressing Experiment Using Modified Tars on a Road Near Bolsover, Derbyshire.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1970
NEIMME-CTRA-0459	A Surface Dressing Trial Using PVC Tar in Bolsover, Derbyshire.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1970
NEIMME-CTRA-0460	A Second Double-Coated Macadam Experiment on A488, Near Minsterley, Shropshire.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1970
NEIMME-CTRA-0461	Cationic Tar Emulsions, Part 5. Formulation of Surface Dressing Emulsions from PVC Coke-Oven Tars.	P. G. Copeland.		The Coal Tar Research Association. Organic Section.	1970
NEIMME-CTRA-0462	Cationic Tar Emulsions, Part 6. Formulation of Surface Dressing Emulsions from Low Temperature Tar/Bitumen Blends.	P. G. Copeland.		The Coal Tar Research Association. Organic Section.	1970
NEIMME-CTRA-0463	Further Studies of the Control of Tar Distillation Units.	M. Hobson.		The Coal Tar Research Association. Chemical Engineering Section.	1970
NEIMME-CTRA-0464	The Use of PLOT Columns in a Multicolumn GLC System for the Characterization and Identification of Components in Tar Oils.	D. W. Grant.		The Coal Tar Research Association. Analytical Section.	1971
NEIMME-CTRA-0465	A Survey of the Production of Pitch in Solid Form.	J. K. Knapton.		The Coal Tar Research Association. Chemical Engineering Section.	1971
NEIMME-CTRA-0466	An Adhesion Tester for Road Binders : III. Effects of Water and Tar Coating on Chipping Retention.	D.K.H. Briggs.		The Coal Tar Research Association. Pitch Section.	1971
NEIMME-CTRA-0467	Creosote as a Preservative for Timber in Cooling Towers. Interim report on the test slats in the cooling tower at Bilston, B.S.C. (Stewarts and Lloyds) No.1.	W. D. Betts.		The Coal Tar Research Association. Catalytic Section.	1971
NEIMME-CTRA-0468	Density-Temperature Relationship of Tar/Bitumen Binders.	R. B. Meiris.		The Coal Tar Research Association. Analytical Section.	1971
NEIMME-CTRA-0469	An Alternative Method for Determination of Ring and Ball Softening Point.	B. Broadbent.		The Coal Tar Research Association. Chemical Engineering Section.	1971
NEIMME-CTRA-0470	An Adhesion Tester for Road Binders. IV. Brittle Adhesion Temperature.	D.K.H. Briggs.		The Coal Tar Research Association. Pitch Section.	1971
NEIMME-CTRA-0471	The Direct Extraction of Tar Acids from Low Temperature Tar Using Aqueous Caustic Soda.	W. D. Betts.	R. Smith.	The Coal Tar Research Association. Catalytic Section.	1971
NEIMME-CTRA-0472	The Chloromethylation of Coal Tar Hydrocarbons.	M. Fielding.	R. E. Dean.	The Coal Tar Research Association. Organic Section.	1971

NEIMME-CTRA-0473	A Full-Scale Road Experiment Using A Tar/Bitumen Blend and Gravel Aggregate in Dense Basecourse Macadam.	F. Liversedge. (M-YTD).	W. G. Wilman. (CTRA).	The Coal Tar Research Association.	1971
NEIMME-CTRA-0474	Investigation into the Discoloration of Natural Phenol.	P. G.	R. E. Dean.	The Coal Tar Research Association.	1971
NEIMME-CTRA-0475	Extraction of Carbazole with Sulphuric Acid.	J. W. Freeman. R. Deacon.	W. D. Betts.	The Coal Tar Research Association. Catalytic Section.	1972
NEIMME-CTRA-0476	The Use of a High-Viscosity Tar/Bitumen Blend in a Friction Course Macadam (Warwickshire).	F. Liversedge. (M-YTD).	W. G. Wilman. (CTRA).	The Coal Tar Research Association.	1971
NEIMME-CTRA-0477	Electrolytic Oxidation and Reduction of Aromatic Compounds. Part I - Oxidation.	C. C. Ely.		The Coal Tar Research Association. Pitch Section.	1971
NEIMME-CTRA-0478	Electrolytic Oxidation and Reduction of Aromatic Compounds. Part 2 - Reduction.	C. C. Ely.		The Coal Tar Research Association. Pitch Section.	1971
NEIMME-CTRA-0479	Continuous Fractional Crystallisation. Part II. Experiments with Schildknecht Columns.	J. W. Freeman.		The Coal Tar Research Association. Catalytic Section.	1971
NEIMME-CTRA-0480	The Bleeding of Pressure Creosoted Timber.	W. D. Betts.		The Coal Tar Research Association. Catalytic Section.	1971
NEIMME-CTRA-0481	A Low Pressure Soaking Process for the Preservative Treatment of Small Dimensioned Timbers with Creosote.	W. D. Betts.	R. Smith.	The Coal Tar Research Association. Catalytic Section.	1971
NEIMME-CTRA-0482	Basic Refractory Linings for Oxygen-Steel Converters.	D. McNeil.	W. D. Betts.	The Coal Tar Research Association.	1971
NEIMME-CTRA-0483	Continuous Fractional Crystallization. Part III. Experiments with Archimedean Screw columns.	J. W. Freeman.		The Coal Tar Research Association. Catalytic Section.	1972
NEIMME-CTRA-0484	The Construction and Operation of a Flame Photometric Detector for Gas Chromatography and its Application to the Specific Detection of Sulphur Compounds in Tar Oils.	D. W. Grant.		The Coal Tar Research Association. Analytical Section.	1971
NEIMME-CTRA-0485	A Study of the Minor Neutral Components of a Coke Oven Tar - Part I.	D. W. Grant.		The Coal Tar Research Association. Analytical Section.	1971
NEIMME-CTRA-0486	Continuous Fractional Crystallization. Part IV. Chemical Engineering Theory of Crystallization Columns. (1)	J. W. Freeman.		The Coal Tar Research Association. Catalytic Section.	1972
NEIMME-CTRA-0487	Further Work on the C.T.R.A. Penetrometer.	B. Broadbent.		The Coal Tar Research Association. Chemical Engineering Section.	1971
NEIMME-CTRA-0488	Treatment of Liquor from the Low Temperature Carbonization of Coal.	M. Hobson.		The Coal Tar Research Association. Chemical Engineering Section.	1972

NEIMME-CTRA-0489	The Transalkylation of the Higher Boiling Tar Acid Fractions from Low Temperature Tar.	W. D. Betts.		The Coal Tar Research Association. Catalytic Section.	1971
NEIMME-CTRA-0490	Anthracene Recovery : Plant Variables Affecting Anthracene Cake Purity.	J. K. Knapton.	K. Holdroyd.	The Coal Tar Research Association. Chemical Engineering Section.	1971
NEIMME-CTRA-0491	Surface Dressing Experiments Using Low Temperature Tars on Roads Near Bolsover.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1971
NEIMME-CTRA-0492	A Full-Scale Surface Dressing Experiment Using a Low Temperature Tar/Bitumen Binder on A619 in Derbyshire.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1971
NEIMME-CTRA-0493	A Surface Dressing Experiment Using Different Binders on A30 Near Salisbury, Wiltshire.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1971
NEIMME-CTRA-0494	Centrifugal Treatment of Tar.	J. K. Knapton.		The Coal Tar Research Association. Chemical Engineering Section.	1972
NEIMME-CTRA-0495	Surface Dressing Trials Using High Viscosity PVC Tar in Cheshire.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1971
NEIMME-CTRA-0496	A Study of the Effect of Variables on Accuracy and Precision in Gas Chromatography.	A. Clarke.		The Coal Tar Research Association.	
NEIMME-CTRA-0497	The Determination of Anthracene, Phenanthrene and Carbazole in Tar Oils by Gas Chromatography.	D. W. Grant.		The Coal Tar Research Association. Analytical Section.	1972
NEIMME-CTRA-0499	An Adhesion Tester for Road Binders. V. Adhesion Dependence on Moisture, Coating and Time.	D.K.H. Briggs.		The Coal Tar Research Association. Pitch Section.	1972
NEIMME-CTRA-0500	A Small-Scale Surface Dressing Experiment Using Tars and Tar/Bitumen Blends.	M. R. Kuhnel.		The Coal Tar Research Association. Pitch Section.	1972
NEIMME-CTRA-0501	Review of Full-scale Road Experiments and Trials Carried Out Since April 1967.	W. G. Wilman.		The Coal Tar Research Association. Pitch Section.	1972
NEIMME-CTRA-0502	Symposium on Production and Use of PVC-Tar held at C.T.R.A., 26th April 1972.	D. McNeil.	W. G. Wilman.	The Coal Tar Research Association.	1972
NEIMME-CTRA-0503	SIE Ratio and some Impact Energies for Road Binders.	D.K.H. Briggs.		The Coal Tar Research Association. Road Tar Section.	1972
NEIMME-CTRA-0504	An Accelerated SEGAS Hardening Test for Surface Dressing Binders.	W. G. Wilman.		The Coal Tar Research Association. Road Tar Section.	1972
NEIMME-CTRA-0505	The Kerosene Resistance of Dense Tar Surfacing Made with Tars, Tar/Bitumen Blends and Bitumen.	W. G. Wilman.		The Coal Tar Research Association. Road Tar Section.	1972
NEIMME-CTRA-0506	Coke Ovens By Product Recovery Plant.	M. Hobson.	J. K. Knapton.	The Coal Tar Research Association. Chemical Engineering Section.	1972

NEIMME-CTRA-0507	Mathematical Model for an Ammonia Scrubber Handling Coke Oven Gas.	M. Hobson.		The Coal Tar Research Association. Chemical Engineering Section.	1972
NEIMME-CTRA-0508	Open Days 1972. Wearing Courses.	G. R. Forrester, B.Sc., M.Inst.P., C.Eng., M.I.C.E.,		The Coal Tar Research Association.	1972
NEIMME-CTRA-0510	Open Days 1972. Experience in the use of Tar/Bitumen Blends as Surface Dressing Binders.	Dr. F. Liversedge, B.Sc.		The Coal Tar Research Association.	1972
NEIMME-CTRA-0511	Open Days 1972. Recent Advances in Quantitative Gas Chromatographic Analysis.	D. W. Grant, B.Sc. C.T.R.A.		The Coal Tar Research Association.	1972
NEIMME-CTRA-0512	Open Days 1972. Recent Research on Electrode Binders.	Dr. J. A. Sharp, B.Sc. C.T.R.A.		The Coal Tar Research Association.	1972
NEIMME-CTRA-0513a	Gel Permeation Chromatography as a Possible Method for the Analysis of Tar/Bitumen and Pitch/Bitumen Mixtures.	R.B. Meiris, L.R.I.C.		The Coal Tar Research Association, Eighteenth Tar Conference, 26/27th September 1972.	1972
NEIMME-CTRA-0513	Open Days 1972. Gel Permeation Chromatography as a Possible Method for Analysis of Tar/Bitumen and Pitch/Bitumen Mixtures.	R.B. Meiris, L.R.I.C. C.T.R.A.		The Coal Tar Research Association.	1972
NEIMME-CTRA-0516	Construction and Operation of an Apparatus for the Rapid Determination of the Softening Point of Pitch and Similar Plastic Materials.	B. Broadbent.	J. K. Knapton.	The Coal Tar Research Association. Chemical Engineering Section.	1972
NEIMME-CTRA-0517	The Use of a Low Temperature Tar in Dense Road Base and Basecourse Material.	M. R. Kuhnel.		The Coal Tar Research Association. Road Tar Section.	1973
NEIMME-CTRA-0518	Correlation of the Segas Hardening Test with Road Hardening of Surface Dressing Binders.	W. G. Wilman.		The Coal Tar Research Association. Road Tar Section.	1973
NEIMME-CTRA-0519	A Surface Dressing Experiment with Tar Containing Butadiene-Acrylonitrile Rubber, in Sheffield.	M. R. Kuhnel.		The Coal Tar Research Association. Road Tar Section.	1973
NEIMME-CTRA-0520	Surface Dressing Experiments with Low Temperature Tar in Nottinghamshire.	M. R. Kuhnel.		The Coal Tar Research Association. Road Tar Section.	1973
NEIMME-CTRA-0521	The Use of a Low Temperature Tar in a BS802 Single Course Macadam.	M. R. Kuhnel.		The Coal Tar Research Association. Road Tar Section.	1973

NEIMME-CTRA-0522	Effluent Reduction at Coke Oven Plants.	J. K. Knapton.	M. Hobson.	The Coal Tar Research Association. Chemical Engineering Section.	1973
NEIMME-CTRA-0523	Determination of the Boiling Point Distribution of Tar Products by Gas Chromatography.	D. W. Grant.		The Coal Tar Research Association. Analytical Section.	1973
NEIMME-CTRA-0524	Surface Dressing Trials with Low Temperature Tars.	M. R. Kuhnel.		The Coal Tar Research Association. Road Tar Section.	1973
NEIMME-CTRA-0525	Surface Dressing Experiments with Low Temperature Tar near Bolsover, Derbyshire.	M. R. Kuhnel.		The Coal Tar Research Association. Road Tar Section.	1973