

US CRB: United States Coal Research Bureau

Code	Title (245)	Author	Date of publication	Notes	Location
NEIMME/US/CRB/3	Improving coal value through the proper application of thermal dryers	J. W. Leonard	[c.1963]		LP12
NEIMME/US/CRB/15	The demineralization of pulverized upper freeport coal in a high-intensity magnetic separator	William M. Kester	c.1965		LP12
NEIMME/US/CRB/16	Flyash-based structural materials: recent developments utilizing the WVU-OCR process	C.F.Cockrell, H.E.Shafer, K.K. Humphreys	c.1966		LP12
NEIMME/US/CRB/11	A new approach to the production of fly ash based structural materials	Harry E. Shafer, Charles F. Cockrell	c.1964		LP12
NEIMME/US/CRB/17	Western states coal-associated mineral occurrences likely to be a factor in long range air pollution considerations	H. E. Shafer, C.T. Holland Dean	c. 1965		LP12
NEIMME/US/CRB/18	Acoustic drying of coal	H. V. Fairbanks, R. E. Cline	c.1966		LP12
NEIMME/US/CRB/19	West Virginia's coal research program	J. W. Leonard, C.T. Holland Dean	c.1966		LP12
NEIMME/US/CRB/20	A promising possibility: production of mineral wool from coal-ash slag	W.F. Lawrence, K. K. Humphreys	c.1966		LP12
NEIMME/US/CRB/21	Getting the most out of your proximate analysis	K. K. Humphreys, W.F. Lawrence	c. 1966		LP12
NEIMME/US/CRB/22	Investigation of heat transfer problems in fluidized coal gasification	C. Y. Wen, T. M. Chang	c. 1966		LP12
NEIMME/US/CRB/23	Technical note:the effect of selected calcining temperatures on alumina extraction from coal-associated draw-slate	H.E. Shafer, J.A. Solomon	[c.1963]		LP12
NEIMME/US/CRB/24	Petrography for coal mining and coal preparation:part 1	B. A. Donahue, J.W. Leonard	c. 1966		LP12
NEIMME/US/CRB/26	Progress report:flyash brick	H. E. Shafer,C.F.Cockrell,J. W. Leonard,	c. 1966		LP12
NEIMME/US/CRB/27	Some additional work on acoustic drying of coal	H.V. Fairbanks, R. E. Cline	[c.1967]		LP12
NEIMME/US/CRB/28	Petrography for coal mining and coal preparation:part 2	B. A. Donahue, J.W. Leonard	c. 1967		LP12
NEIMME/US/CRB/29	Status report on bricks from flyash	H. E. Shafer,C.F.Cockrell, K. K. Humphreys,J.W. Leonard	c. 1967		LP12
NEIMME/US/CRB/30	Unusual methods of sulfur removal from coal: a survey	J.W. Leonard,C.T. Holland Dean, E.U. Syed	c. 1967		LP12
NEIMME/US/CRB/31	Reduction of sulfur from steam coal by magnetic methods	William M. kester,Joseph W. Leonard, Edwin B. Wilson	c. 1967		LP12
NEIMME/US/CRB/32	Reducing the corrosive properties of utility coals through modification of current coal cleaning practices	Edwin B. Wilson, Joseph W. Leonard, Richard C. Ulmer, Robert P. Hensel, Richard W. Borio	c. 1967		LP12
NEIMME/US/CRB/33	An examination of the office of coal research-Rand sewage treatment process for application using west virginia coals	B. A. Donahue,O.B. Bucklen, J.D. McClung	c. 1968		LP12
NEIMME/US/CRB/34	A new and low cost method for making structural materials from problem flyashes and from flyashes likely to originate from certain potential air pollution control process	H. E. Shafer,C.F.Cockrell,J.W. Leonard	c. 1968		LP12
NEIMME/US/CRB/35	Projecting coal drill core data for use in plant design: part 1	J.W. Leonard,O.B. Bucklen, C.F.Cockrell	c. 1968		LP12
NEIMME/US/CRB/37	A Mining operations systems approach for elimination of corrosion at power plants	Edwin B. Wilson,Joseph .W. Leonard, R. W. Borio	c. 1968		LP12

NEIMME/US/CRB/38	Mineral wool production from coal-ash - a progress report	William F. Lawrence	[c.1969]	LP12
NEIMME/US/CRB/39	Exploratory studies on new product and process potential of power plant wastes originating from limestone based air pollution control processes	C.F.Cockrell, R. B. Muter, J.W . Leonard, W.F. Lawrence	c. 1969	LP12
NEIMME/US/CRB/40	A technical evaluation of the wvu-ocr process for producing flyash-based structural materials	Charles F. Cockrell, Harry E. Shafer	c. 1969	LP12
NEIMME/US/CRB/43	Progress report on on bench-size model to investigate the adsorptive capacity of sulfur dioxide on coal	Abdel K. Kotb	c. 1969	LP12
NEIMME/US/CRB/44	The analysis of coal ash, flyash and related materials using the applied research laboratories spectrographic analyzer-computer assisted data reduction	Ralph L. Stenger, JR.	c. 1969	LP12
NEIMME/US/CRB/45	The analysis of sodium, potassium, calcium, and magnesium in siliceous coal ash and related materials by atomic absorption spectroscopy	Richard B. Muter, Charles F. Cockrell	c. 1969	LP12
NEIMME/US/CRB/46	Removal of pyrite from pulverized coal by induced roll magnetic separator	Andrew J. Gaber	c. 1969	LP12
NEIMME/US/CRB/47	Logarithmic spiral sector photometry as applied to optical emission spectroscopy	Ralph L. Stenger, JR.	c. 1969	LP12
NEIMME/US/CRB/48	A cost study of power plant corrosion control methods	Edwin B. Wilson, Kenneth K. Humphreys	c. 1969	LP12
NEIMME/US/CRB/49	Application of evolutionary operation to the heavy media cleaning of coal	Edwin B. Wilson, Charles F. Cockrell	[c.1969]	LP12
NEIMME/US/CRB/51	Acoustic drying of ultrafine coal	Harold V. Fairbanks	c. 1969	LP12
NEIMME/US/CRB/50	Coal seam structure as a basis for decision making	Joseph W. Leonard, Charles T. Holland, Dean	c. 1969	LP12
NEIMME/US/CRB/52	Coal research in west virginia since 1961	Joseph W. Leonard, Kenneth K. Humphreys	c. 1969	LP12
NEIMME/US/CRB/54	Application of thermogravimetric analysis to a study of the degree of carbonation and emulsion addition during agglomerate flotation of limestone modified flyash	Richard B. Muter, Charles F. Cockrell	c. 1970	LP12
NEIMME/US/CRB/55	Economic factors affecting the production of brick, block and other structural products from flyash	k. K. Humphreys, Harry E. Shafer, Jr.	c. 1970	LP12
NEIMME/US/CRB/58	Application of simplex sum evolutionary operation to the utilization of coal ash for structural products	Charles F. Cockrell, Harry E. Shafer, Edwin B. Wilson	c. 1970	LP12
NEIMME/US/CRB/59	The application of flotation for recovery of calcium constituents from limestone modified flyash	Charles F. Cockrell, Richard B. Muter, Joseph W. Leonard, Ronald E. Anderson	c. 1970	LP12
NEIMME/US/CRB/60	Characterization and utilization studies on limestone modified flyash	Charles F. Cockrell, Joseph W. Leonard	c. 1970	LP12
NEIMME/US/CRB/61	Basic methods of removing sulfur from coal	Joseph W. Leonard, Charles F. Cockrell	c. 1970	LP12
NEIMME/US/CRB/75	Some notes on operations research and computer applications in the coal industry-part 12 'converting computer programs to work on different computers'	Kenneth K. Humphreys, James D. McClung	c. 1971	LP12
NEIMME/US/CRB/76	New or underdeveloped methods for producing and utilizing coal ash	Charles F. Cockrell, Harry E. Shafer, Jr., Joseph W. Leonard	c. 1970	LP12
NEIMME/US/CRB/77	Power plant emissions control	William F. Lawrence, Charles F. Cockrell, Richard B. Muter	c. 1971	LP12
NEIMME/US/CRB/78	Potential utilization of solid waste from lime/ limestone wet-scrubbing of flue gases	Linda Z. Condry, Richard B. Muter, William F. Lawrence	c. 1971	LP12
NEIMME/US/CRB/79	Production and accident statistics for west virginia's underground coal mines 1958-1970	L. L. Craddock	c. 1971	LP12
NEIMME/US/CRB/80	A Routine analytical determination for 24 elements in siliceous materials by atomic absorption spectroscopy	Richard B. Muter, Charles F. Cockrell, Larry L. Nice	c. 1970	LP12

NEIMME/US/CRB/81	An analysis of the physical properties of flyash bricks using regression	James D. McClung	[c. 1971]	LP12
NEIMME/US/CRB/82	Sulfur dioxide regeneration from modified flyash	Linda Z. Condry,Gerald E. Moore	[c. 1971]	LP12
NEIMME/US/CRB/83	Opportunities for innovative developments in coal	Joseph W. Leonard	c. 1972	LP12
NEIMME/US/CRB/84	Solids mixing in char fluidized beds	Suresh P. Babu, Linda Z. Condry	[c. 1972]	LP12
NEIMME/US/CRB/85	Technical note: optimizing location of mining facilities	Kenneth K. Humphreys, Joseph W. Leonard	c. 1972	LP12
NEIMME/US/CRB/86	Acid mine drainage control methods	David J. Akers, Jr.,William F. Lawrence	c. 1973	LP12
NEIMME/US/CRB/87	Review of current research on coal ash in the united states	John F. Slonaker, Joseph W. Leonard	c. 1973	LP12
NEIMME/US/CRB/88	Characterization, beneficiation and utilization of municipal incinerator flyash	William H. Buttermore, William F. Lawrence, Richard B. Muter	c. 1972	LP12
NEIMME/US/CRB/89	The energy crisis- fact or fiction?	james D. McClung, Kenneth K. Humphreys	c. 1973	LP12
NEIMME/US/CRB/90	Is the energy crisis real?	james D. McClung, Kenneth K. Humphreys	c.1971	LP12
NEIMME/US/CRB/91	Procedures for the rapid determination of carbon and sulfur	Lionel L. Craddock	c. 1973	LP12
NEIMME/US/CRB/92	Waste coal reclamation	Joseph W. Leonard, William F. Lawrence	c. 1973	LP12
NEIMME/US/CRB/93	Adsorption characteristics of selected west virginia coals	David J. Akers, Jr	[c. 1971]	LP12
NEIMME/US/CRB/94	Sewage treatment with coal and coal related wastes	Russell W. Frum	[c. 1973]	LP12
NEIMME/US/CRB/95	Gob pile stabilization in Great Britain	David J. Akers, Jr., William F. Lawrence	[c. 1971]	LP12
NEIMME/US/CRB/96	Gob pile stabilization and reclamation	David J. Akers, Jr., Jerry L. Coalgate, Richard B. Muter	[c. 1974]	LP12
NEIMME/US/CRB/97	The determination of industrial screening efficiency	Joseph W. Leonard	c. 1974	LP12
NEIMME/US/CRB/98	Operating and capital costs of producing fired structural products from waste coal ash	Kenneth K. Humphreys	c. 1974	LP12
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NEIMME/US/CRB/101	Behavior of fine particles in sonic-assisted filtration	Harold V. Fairbanks	c. 1973	LP12
NEIMME/US/CRB/102	Use of ultrasound to increase filtration rate	Harold V. Fairbanks	c. 1973	LP12
NEIMME/US/CRB/103	Hydrocrushing of coal	Suresh P. Babu, Joseph W. Leonard	c. 1974	LP12
NEIMME/US/CRB/104	A technique for the particle size analysis of coal pyrites	Lionel L. Craddock, Pam Heald trainer, Robert D. Macik	c. 1974	LP12
NEIMME/US/CRB/105	A rapid determination of coal char oxidative reactivity	Gerald E. Moore, Suresh P. Babu	c. 1974	LP12
NEIMME/US/CRB/106	Keyword index of coal research bureau reports 1961-1974	Kenneth K. Humphreys	c. 1974	LP12

NEIMME/US/CRB/107	Treatment of waste water with coal and coal derivatives	Barry McMillan, David J. Akers	c. 1975	LP12
NEIMME/US/CRB/108	Determination of major and minor constituents in siliceous materials by atomic absorption spectroscopy	Richard B. Muter, Larry L. Nice	c. 1975	LP12
NEIMME/US/CRB/109	Potential for further lowering sulfur in intensively cleaned coal at mines	Joseph W. Leonard	c. 1975	LP12
NEIMME/US/CRB/110	Sulfur occurrence in coal and its relationship to acid water formation: literature review	Barry G. McMillan	[c. 1974] unknow n	LP12
NEIMME/US/CRB/115	Literature survey- coal associated wastes (1900-1972)	Jerry L. Coalgate		LP12
NEIMME/US/CRB/118	The rapid analysis of acid mine drainage	Barry G. McMillan, David J. Akers, John F. Colabrese	c. 1976	LP12
NEIMME/US/CRB/119	Shortwall coal mining in the united states	Syd S. Peng	c. 1976	LP12
NEIMME/US/CRB/120	Gob aggregate concrete products	William F. Lawrence, John F. Slonaker	c. 1976	LP12
NEIMME/US/CRB/Misc1	Rapid method for improvement in control and operation of coal dryers	Joseph W. Leonard, E. J. Sandy	c. 1961	LP12
NEIMME/US/CRB/Misc2	A special technique for determination of densities of porous solids by the water displacement method	J. A. Solomon, R.J. Enright	[c. 1963]	LP12
NEIMME/US/CRB/121	Possible effluents from coal desulfurization processes	Linda Z. Condry	c. 1976	LP12
NEIMME/US/CRB/122	A Study of the effect of sodium hydroxide upon water soluble salts in flyash brick	John F. Slonaker	c. 1976	LP12
NEIMME/US/CRB/123	Utilization of acid mine drainage treatment sludge	William C. Grady, David J. Akers	c. 1976	LP12
NEIMME/US/CRB/124	Characterization and utilization of alkaline earth fluidized bed combustion wastes	Richard B. Muter, William F. Lawrence	c. 1976	LP12
NEIMME/US/CRB/125	Desulfurization technology in coal preparation and coal utilization	Linda Z. Condry, Phil O. McClung, James D. McClung	c. 1976	LP12
NEIMME/US/CRB/126	A descriptive approach to microscopic varieties of pyrite in west virginia coals	William C. Grady	c. 1976	LP12
NEIMME/US/CRB/127	Foreign investment in the u.s. mineral industry: the case of west virginia coal	Walter C. Labys	c. 1976	LP12
NEIMME/US/CRB/128	A study of the effect of firing conditions upon flyash structural products	John F. Slonaker	c. 1976	LP12
NEIMME/US/CRB/129	Design of a multi-mine coal conveyor and preparation system using a minimal network method	Andres M. Liebenthal, Jan M. Mutmanský	c. 1976	LP12
NEIMME/US/CRB/130	Recovery of alumina from coal refuse an annotated bibliography	Linda Z. Condry	c. 1976	LP12
NEIMME/US/CRB/131	Ultrasonic assisted drying of ultrafine coal	Richard Gurich	c. 1976	LP12
NEIMME/US/CRB/132	Blasting problem associated with strip mining	Calvin J. Konya	c. 1976	LP12
NEIMME/US/CRB/133	Flexural rupture: a new theory on rock breakage by blasting	Calvin J. Konya, Richard L. Ash	c. 1976	LP12
NEIMME/US/CRB/134	Chemical comminution of coal	Duane R. Skidmore, Calvin J. Konya	c. 1976	LP12
NEIMME/US/CRB/135	Liquefaction study of several coals and a concept for underground liquefaction	Duane R. Skidmore, Calvin J. Konya	c. 1976	LP12

NEIMME/US/CRB/136	Long term prediction of coal cleaning performance from exploration samples	Joseph W. Leonard	c. 1976	LP12
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NEIMME/US/CRB/138	Modeling the role of mineral preparation in the implementation of clean air standards	Richard T. Newcomb, Felicia F. Peng	c. 1976	LP12
NEIMME/US/CRB/139	A political history of acid mine drainage in West Virginia	John K. Alderman, William M. Smith	c. 1977	LP12
NEIMME/US/CRB/140	Fifteen years of service to the state of West Virginia : a keyword index of coal research bureau reports 1961-1976	Kenneth K. Humphreys	c. 1977	LP12
NEIMME/US/CRB/141	A new method for increasing the durability of flyash structural products	John F. Slonaker	c. 1977	LP12
NEIMME/US/CRB/142	The potential economics of the recovery of trace elements in coal refuse	Sidney Katell	c. 1977	LP12
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NEIMME/US/CRB/144	A review of the shortwall mining in the united states	Syd S. Peng, Duk-Won Park	c. 1977	LP12
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NEIMME/US/CRB/147	Dry separation of coal from pyrite and unwanted minerals: a comparison of crushing methods	Philips O. Moss	[c. 1977]	LP12
NEIMME/US/CRB/148	Ultrasonic assist in dewatering and filtration of fine particles	Tetsuro otsuka, H.V. fairbanks	c. 1977	LP12
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NEIMME/US/CRB/150	Roof bolting patterns at the four-way entry intersections	Syd S. Peng, S. Okubo	[c. 1977]	LP12
NEIMME/US/CRB/151	The outlook for future energy supplies and costs	Kenneth K. Humphreys	c. 1978	LP12
NEIMME/US/CRB/152	Analysis of twenty-three west virginia coals	William M. Smith, Yong Nam Kim	c. 1978	LP12
NEIMME/US/CRB/153	Lightweight flyash brick	John F. Slonaker	c. 1978	LP12
NEIMME/US/CRB/154	Influence of ultrasound on liquid flow through inhomogeneous media	Harold V. Fairbanks	c. 1978	LP12
NEIMME/US/CRB/155	Effect of ultrasound on liquid flow through porous materials	Harold V. Fairbanks	c. 1978	LP12
NEIMME/US/CRB/156	Ammonia from coal- an economic evaluation	Sidney Katell	c. 1978	LP12
NEIMME/US/CRB/157	Leaching rates of coal associated metals	David J. Akers	c. 1978	LP12
NEIMME/US/CRB/158	Roof bolting patterns at three-way entry intersections	S. Okubo, S.S.Peng	c. 1978	LP12
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NEIMME/US/CRB/160	Uranium in coal and carbonaceous rocks in the United States and Canada: an annotated bibliography	J. K. Alderman, William C. Grady, Thomas Simonyi, Edward Simcoe	[c. 1978]	LP12

NEIMME/US/CRB/161	The cost engineer in research	Sidney Katell	c. 1978	LP12
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NEIMME/US/CRB/167	An econometric simulation model of the U.S. market for steam coal	W.C. Labys, S. Paik, A.M. Liebenthal	c. 1979	LP12
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NEIMME/US/CRB/170	Unit operations research in coal preparation: coal washing equipment an annotated bibliography	Richard B. Muter, John K. Alderman	c. 1979	LP12
NEIMME/US/CRB/171	Analyses of the Pittsburgh coal seam from a northern West Virginia preparation plant	Charles R. McFadden, Larry L. Nice, Edward J. Simcoe	c. 1979	LP12
NEIMME/US/CRB/172	Overview of coal refuse disposal in the united states	David J. Akers	c. 1980	LP12
NEIMME/US/CRB/173	Cleaning plant design considerations	Joseph W. Leonard	c. 1978	LP12
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