## Wal18/114

# FUEL RESEARCH INSTITUTE OF SOUTH AFRICA.

SORTED INDEX

OF

REPORTS AND MEMORANDA

1945-1964

## FUEL RESEARCH INSTITUTE OF SOUTH AFRICA.

#### SORTED INDEX OF REPORTS AND MEMOS.

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Mining: Mining:	Wasting of Pillars Vereeniging Weathering of anthracite Heat effects of water adsorption by coal. Adsorption of water vapour on coal Scaling of coal in S.A.collieries Friability & Weathering of S.A. coals Weathering tests on coking coals	M.13/58 M.22/62 M.8/63 M.2/64 M.16/64 R.45/50 R.2/51
	Oxygen adsorption of coal.  Oxidation of coal 0-90°C Reaction Kinetics, oxidation of coal Oxidation of coal at low temperatures	R.26/51 R.10/58 R.5/59 M.1/63 R.9/64

## G. SAMPLING:

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## H. PETROL ETC.

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and spark plug caps '	R.3/45
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## J. MICROSCOPY (PETROGRAPHY):

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## K. FROTH FLOTATION:

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Froth flotation of coal Froth flotation, Grootegeluk	R.24/51
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Variables in froth flotation of D.N.C.coal	R.15/64
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### L. SASOL CATALYSTS AND MAGNETITE STUDIES:

1.	Sasol catalysts investigation (1) (2) Sasol catalysts Reducing iron oxides in a thermo-balance Alan Wood fusion under pressure Rate of reduction of catalysts Sasol Research Project	M.11/56 M.13/56 M.4/57 M.8/57 M.24/58 M.7/59 M.19/60
2.	Magnetite from Roodepoort, Bethal Natural Magnetite; studies Available materials for dense media Foskor magnetite Curi points by D.T.A. Separating coal & magnetic by magnets Magnetic separator tests Magnetite investigation Grain size and magnetic analysis (Australia)	M.1/52 M.16/56 M.23/56 M.3/60 M.17/60 M.30/61 M.35/63 M.34/63

## M. "NITRIC ACID OXIDATION OF COAL".

Part I. Part 2. Part 3. Part 4.	R.27/50 R.42/50 R.22/51 R.23/51	
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products Chemical constitution of c	R.3/51 coal R.15/51	

#### N. SULPHUR:

Sulphur from Distribution	washery wastes of S with S.G.	R.3/50
in Cambria		R.30/49 R.36/50

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2.	Assorted:		
		Volatile matter determination.  at different grain sizes.  Determination of S.G.  Determination of vapour pressure of liquids  Determination of S in coal as BaSO4  Report on calorific values  Rapid methods of Moisture determination.  Air dried moisture of Navigation	
		Springbok and Blesbok	M.7/58
3.	Minor Cons	stituents:	
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		Fluorine in S.A. coals P <sub>2</sub> O <sub>5</sub> in Waterberg coal (Iscor)	M.2(b)/63
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## S. COAL, GENERAL:

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## U. DUST COLLECTOR TESTS AT POWER STATIONS:

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