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## THE COAL RESOURCES OF THE FEDERATED MALAY STATES

## COMPILED BY

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An important discovery of coal was made in 1908 on the southern boundary of the Rantau Forest Reserve, south of the Selangor river, about latitude 3° 20' N. and longitude 101° 28' E. It lies about seven miles west of Rawang railway station. The coal-bearing series, consisting of shales and sandstones, rests unconformably on a foundation of quartzite and slates which also form the surrounding hills. The prevailing dip is 15° west of south at 15°, but the beds are sometimes horizontal. They appear to be later than the Cretaceous granites and are probably of Tertiary age. This is confirmed by the evidence of the plant remains, which have been identified with types now living in the Federated Malay States. The coal is largely composed of a reed-like plant not sufficiently preserved for determination.

There appears to be two seams, though up to the present they have not been met with in the same bore. The larger and upper seam is more than twentyfour feet, and possibly fifty feet, in thickness. The coal extends for more than half a mile along the strike, and may be found at still greater distances. It is black and lustrous, does not soil the fingers, has a distinct conchoidal fracture, and burns with a long, smoky flame.

The following analyses have been made:

	Imperial Institutz	F. Dent	J. D. SCRIVENOR		
			Mean of Four Analyses	Best Coal	B. J. EATON
Water	18.23%	21.21%		(20.16%	21.00%
Volatile matter	35.50	44.33	56.05° c	33.53	38 70
Fixed carbon	41.19	28.42	39-50	45 00	39-26
Aeh	5.08	6 04	4 4.5	1 31	1 04
Sulphur	0 38				0.50
Calorific value, small calories	5,466		an all the an annual space of the		5,432
Evaporative power	10.20	10.3			10 14
		349			