

CARBOXYLIC ACIDS AND COAL STRUCTURE. A. L. Chaffee, G. L. Perry and R. B. Johns.
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The emphasis will be on fatty acids, particularly monocarboxylic and dicarboxylic acids as environmental indicators. Fatty acid data will be presented for a number of Lithotypes of Brown Coal from the LaTrobe Valley, Victoria, and a series of Australian Black Coals of varying rank. For the Brown Coal the relationship between fatty acids and Lithotype (which is believed to reflect the environment by deposition) will be discussed. The diagenetic changes which fatty acids in the coal structure undergo with depth of burial will also be discussed in relation to Lithotypes.