BIBLIOGRAPHY AND INDEX OF COAL
AND DISPERSED ORGANIC MATTER IN SEDIMENTARY ROCKS:
Petrography, Catagenesis, Relation to Petroleum
And Natural Gas, and Geochemistry

N. H. Bostick
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In cooperation with the
International Committee for Coal Petrology,
Committee on Dispersed Organic Matter
and Geologic Applications

ILLINOIS PETROLEUM 108

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PETROGRAPHY, CATAGENESIS, RELATION TO PETROLEUM
AND NATURAL GAS, AND GEOCHEMISTRY

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INTRODUCTION

This bibliography and the matching subject and author indexes are intended to serve geologists and others doing research on organic matter in sedimentary rocks. In the last decade there has been a great increase in both physical and chemical studies of solid organic matter in sedimentary rocks, and the results of these studies have been valuable, particularly in petroleum exploration. Analyses of amount and type of solid organic matter and of the state of maturation resulting from increased temperature and other factors acting through geologic time permit prediction of whether or not petroleum or natural gas will likely be found in particular sedimentary strata.

An earlier version of this bibliography was distributed in 1973 to members of the Committee on Dispersed Organic Matter in Sedimentary Rocks and Geologic Applications for use in their work. This Committee is organized within the International Committee for Coal Petrology to coordinate and further research on dispersed organic matter. The present edition of the bibliography is being made available for general distribution because of increased interest in the subject by a wider group of people.

The entries in this bibliography were selected from bibliographic files of the Coal Section of the Illinois State Geological Survey, supplemented by additional entries pertaining to petroleum origin and maturation. The articles, books, theses, maps, and preprints included pertain to:

• Petrology and petrography of dispersed solid organic matter and coal.
• Diagenesis and catagenesis of organic matter (including coal) in sediments; regional studies of catagenesis and coalification.
• The relation of hydrocarbon generation and maturation and of oil and gas "deadlines" to catagenesis of organic matter.
• Geochemistry of dispersed (especially solid) organic matter.
• Temperatures and paleotemperatures in sedimentary basins.

Format of the Bibliography

For each entry the author(s), year of publication, title, and source (name of journal, symposium, publisher, etc.) are given in that order. The title is given in English, and the English title is used for indexing. The original title of a work not in English, when known, is listed within brackets following the source; all diacritical marks are eliminated. In some entries the compilers have supplemented the English title with additional words, which appear in the subject index; these words are bounded by slashes. The following is a representative entry:

RAABEN V F

1973: EXPRESSION CONDITIONS OF MAIN PHASE OF OIL FORMATION AND DISTRIBUTION OF HYDROCARBONS IN HETEROCHRONOUS ROCKS. /TIME VS TEMPERATURE/CLAY CATAGENESIS/

ACAD. NAUK SSSR, 126, SER. GEOL., 1973, N. 7, P. 57-64.

GODOL'CHENKO GLAVNOY FAIZ NETTODEROVANAYA I RASPRODeleniya UGLEZERODNYH V PREDIVODNYKH FROMAH

Source names have generally been abbreviated; a list of the abbreviations with their full identification precedes the bibliography.

For machine processing and for identification in the index, each bibliographic entry is preceded by an identification word. This word is formed from the name of the first author and the year of publication; therefore, entries are arranged in alphabetical order by the first author's name. For alphabetization, apostrophes in names are treated by the computer as spaces; and alphabetization is done word by word. Thus, Dyakenov appears before Davis, and de Vries occurs before Debyser. Names of more than one part, for example, Van Gijzel orhevia-Rodriguez, are alphabetized according to the first part, regardless of custom. Names containing the prefix "Mc" are alphabetized as MC rather than Mac. Names beginning with the single Cyrillic letters Я, Е, and В, are arranged as transliterated, Ya, Ye, and Yu, respectively.

Subject and Author Indexes

The subject index (Index of Key Words in Bibliography) was generated by machine from the English titles of the bibliographic entries. The significant words of all the titles are listed in alphabetical order in the center of the index pages. The bibliographic entry from which each title word was taken is indicated by the identification word at the right of the index page. This form of index generated from titles is commonly termed a KWIC (Key Word in Context) index; in this index the context of each indexed word is shown by printing as much of the title before and after the word as will fit on a single line. The ease of updating this index and the economy with which it can be compiled are advantages which are offset by two disadvantages: some titles describe a work inadequately; and the lack of vocabulary control requires that a given subject be sought in the index under all possible synonyms. These problems have been reduced by editorially adding supplementary words to some titles and by adding cross-index entries. These cross-index words have the form "coalification + catagenesis + metamorphism"; in these entries a "+" means "See also."

Many words in titles have been eliminated from the index. These are words having no meaning for indexing (for example, "and," "are," "during," "some," "possibility") or are selected words that would make the index unduly cumbersome (for example, "basin," "beds," "central," "strata," "rocks"). Geographic and stratigraphic names and geologic age names have been retained, but without modifiers such as "northern," "southeastern," "upper," "lower," "early," and "late."

An index of authors' names follows the subject index. In the author index, each author whose name is included in the bibliographic entries is listed alphabetically. Under each author's name is listed the identification word for each entry of which he is listed as an author. (In some entries, et al. was the only credit available for some of the authors.)
ABBREVIATIONS OF SOURCES

ACAD. SCI., C. R., SER. D. ........................................
ACTA UNIVERSITATIS CAROLINAE, GEOLOGICA ............
AKAD. NAUK SSSR, DOXL. ........................................
AKAD. NAUK SSSR, INST. GEOL. RAZKAB. GORYUCH. ISKOP. TR.
AKAD. NAUK SSSR, IZV., SER. GEOL. ...........................
AKAD. NAUK SSSR, SB. OZD., INST. GEOL. GEOFIZ. TR. ....
AKAD. NAUK UKR. RSR, DOPOV., SER. B. ......................
AKAD. NAVUK BSSR, INST. TORFA, TR. ........................
AMER. ASS. PETROL. GEOL., BULL. ............................
AMER. ASS. STRATIGR. PALYNOLOG., ANN. MTG., ABSTR.  
AMER. CHEM. SOC., DIV. PETROL. CHEM., PREPRINTS 
AMER. J. SCI. ......................................................
ANAL. CHEM. .....................................................
ANN. MINES BELG ...................................................
ANNL. UNIV. SCI. BUDAPEST, ROLANDO EDVOS NOM., SEC. GEOL.
ASS. FR. TECH. PETROLE, REV. ...............................
AUSTRAL. J. SCI. ...................................................
AUSTRAL. PETROL. EXPLOR. ASS., J. ...........................
AUSTRALAS. INST. MINING MET., PROC. ......................
BODENKULTUR .....................................................
BOL. TEC. PETROBRAS ...........................................
BRAUNKOHLE ......................................................
BRENNSTOFF-CHEMIE .............................................
BULG. AKAD. NAUK, DOKL. .....................................
BULG. GEOL. DRUZH., SPIS .....................................
BULL. CAN. PETROL. GEOL. .....................................
CAN. J. EARTH SCI. ...............................................  
CAN., DEPT. ENERGY MINES RESOUR., MINES BR., RES. REPT. 
CAN., GEOL. SURV., PAPER .....................................
CARNEGIE INST. WASH., YEARB. ...............................
CENT. RECH. PAU, BULL. ......................................
CERCHAR ............................................................
CHEM. GEOL. .....................................................
COAL RES. CSIRO ................................................
COMMONWEALTH MINING MET. CONGR., 8TH, PROC. .......
CONGR. INT. STRATIGR. GEOL. CARBONIF. (3RD), C. R. ....

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DES SEANCES, SERIE D. SCIENCES NATURELLES, PARIS.
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AKADEMIA NAUK SSSR, DOKLADY, MOSCOW-LENINGRAD.
AKADEMIYA NAUK SSSR, INSTITUT GEOLII I RAZRABOTKI 
GORYUCHKH ISPORYEMKIH, TRUDY, MOSCOW.
AKADEMIYA NAUK SSSR, IZVESTIYA, SERIYA GEOLOGICHESKII, 
MOGOW.
AKADEMIYA NAUK SSSR, SIBIRSKY ODELENIYE, INSTITUT 
GEOLII I GEOFIZIKA, TRUDY, MOSCOW.
AKADEMIYA NAUK UKRAINSKOII RSR, DOMOVII, SERIYA B. 
GEOFIZIKA, KHLIMIYA, TA BIOLOGIYA, KIEV.
AKADEMIA NAUKUSSR, INSTITUT TORFA, TRUDY, MINSK.
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS, 
BULLETIN, TULSA, OKLAHOMA.
AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, 
ANNUAL MEETING, ABSTRACTS.
AMERICAN CHEMICAL SOCIETY, DIVISION OF PETROLEUM 
CHEMISTRY, PREPRINTS, WASHINGTON, D.C.
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EASTON, PENNSYLVANIA.
ANNALES DES MINES DE BELGIQUE, BRUXELLES.
ANNALES UNIVERSITATIS SCIENTIARUM BUDAPESTINENSIS DE 
ROLANDO EDVOS NOMINATUM, SECTIO GEOLOGICA, BUDAPEST.
ASSOCIATION FRANCAISE DES TECHNICIENS DU PETROLE, 
REVUE, PARIS.
AUSTRALIAN JOURNAL OF SCIENCE, SYDNEY.
AUSTRALIAN PETROLEUM EXPLORATION ASSOCIATION, 
JOURNAL, SYDNEY.
AUSTRALIAN INSTITUTE OF MINING AND METALLURGY, 
PROCEEDINGS, MELBOURNE.
BODENKULTUR, WIEN.
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DESENVOLVIMENTO), RIO DE JANEIRO.
BRAUNKOHLE, HALLE.
BRENNSTOFF-CHEMIE, ZEITSCHRIFT FUR CHEMIE UND 
TECHNIK VON KOLLE, OL UND GAS, ORGAN DES FACHVERBANDES 
KOHLECHEMIE UND VERWANDTE GEBIETE E.V., ESSEN.
BULGARSKA AKADEMIJA NA NAUKITE, DOKLADY ACADEMI 
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NEUES JAHRB. MINERAL. ABH.

NEUES JAHRB. MINERAL. MONATSH.

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DILL GAS J.

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PETROL. TIMES.

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SOC. GEOI. NORD. ANN.

SOC. MINING ENG. AIME. TRANS.

SOC. ROY. SCI. LIEGE. BULL.

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SOV. GEOI.

SOVESHCH. RABOTN. LAB. GEOI. ORG. 9TH. MATER.

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TECHN. PETROLE.

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UGOL' UKRAINE.

UNIV. UTAH. BULL.

VSES. MINERAL. OBSCHHEIST. ZAP.

VSES. NAUCH.-ISSLED. GEODORAZVEZ. NEFT. INST.

VSES. NEFT. NAUCH.-ISSLED. GEODORAZVEZ. INST.

VYSH. UCHEBN. ZAVED. IZV. GEOI. RAZVED.

VYSH. UCHEBN. ZAVED. IZV. NEFT.

WASH. ACAD. SCI. J.

WORLD OIL.

YORKSHIRE GEOI. SOC. PROC.

Z. ANG. GEOI.

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NEUES JAHRBUCH FUR GEOLOGIE UND PALÄONTOLOGIE. MONATSSHEFT. STUTTGART.

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UGOL' UKRAINE.

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VSES. MINERAL. OBSCHHEIST. ZAP.

VSES. NAUCH.-ISSLED. GEODORAZVEZ. NEFT. INST.

VSES. NEFT. NAUCH.-ISSLED. GEODORAZVEZ. INST.

VYSH. UCHEBN. ZAVED. IZV. GEOI. RAZVED.

VYSH. UCHEBN. ZAVED. IZV. NEFT.

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YORKSHIRE GEOI. SOC. PROC.

Z. ANG. GEOI.

ZAPADN.-SIBS. NAUCH.-ISSLED. GEODORAZVEZ. NEFT.

ZEISS-MITT.
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The identification work at the left of each bibliographic entry is formed from the name of the first author listed and the date of publication. Entries are arranged in alphabetical order by the first author's name. See page 1 for a more detailed explanation of alphabetization and format.

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GEODETICAL INVESTIGATIONS ON THE ORIGIN AND THE OCCURRENCE OF METHANE IN THE GROUNDWATER OF NORTHERN GERMANY.

N. V. KUROSHIN

ABSTRACT

In the present work, the author reviews the geodetical investigations on the origin and the occurrence of methane in the groundwater of northern Germany, with a focus on the geological aspects and the distribution of methane in the subsurface. The study includes an analysis of the geological and hydrogeological conditions, as well as the geochemical characteristics of the groundwater. The results are discussed in relation to the tectonic setting and the sedimentary basin.
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SUGGATERP67M
SUGGATERP72C
SUGGATERP74C

SURGOVA N Z
GLEYBOYAYA71I
GLEYBOYAYA74G
GLEYBOYAYA74M

SWANSON V E
SWANSONVE65H

SYROVA G M
NERUCEVSG74M
SYROVA GM73S

SZADECKZY-KARDESCO E
SZADESSE 69I

SZLADOW A J
BERKOTZN 74B

TAKAHASHI R
TAKAHHIR 58B
TAKAHHIR 59B
TAKAHHIR 67C
TAKAHHIR 69T

TAN SYU-I
AMMOSOVI16A

TANG C H
STAH L W 71C

TARANENKO YE I
VASSCHN73P

TARASOVA T G
GLEYBOYAYA74G

TEICHMÜLLER M
ALPERN B 71C

TEICHMÜLLER M
ALPERN B 71C

TEICHMÜLLER M
ALPERN B 71C

BARTEINH 71U
BOIGK H 710
BOTTERCH 49H
COLOMBO 68C
COLOMBO 68V
COLOMBO 70C

DAMBERHH64I
DOEBL F 74D
HILING D 74G
JUNGENI 69E
KHALIEHY 60U

MCCAREYJT72C
OTENNKNK 74S
OTENNKNK 75S
PATTECKY 58E

PATTECKY 60I
PATTECKY 62I
STACH E 75S
STADLERG 71U

SUEKICH 49I
TEICHMÜLLER 50I
TEICHMÜLLER 52F
TEICHMÜLLER 54S

TEICHMÜLLER 58I

(Continued next column.)
THOMAS R D
THOMAS RD70U
THOME K N
HOYER P 74I
THORNTON C P
DUTCHEBRR66C
TICHOMOLOVA T V
SOKLOVOY72C
TIMOFYEYEV P P
TIMOFEVP71N
TIMOFEVP710
TIMOFEVP71P
TIMOFEVP71R
TIMOFEVP72S
TIMOFEVP73R
TIMOFEVP74D
TIMOFEVP75R
TING F T C
TING FT75F
TING FT75R
TISSOT B
TOKARSKA K
TOKARKAK 73A
TOMKEEFF S I
TOKMKEFSI54C
TOPORETS S A
GAVRIVA0171C
GUREVICH817C
VASSOYEYICH N B
KORCHNAY174I
VASSOCHN69G
VASSOCHN69H
VASSOCHN71N
VASSOCHN71O
VASSOCHN717
VASSOCHN72T
VASSOCHN73C
VASSOCHN730
VASSOCHN73P
VASSOCHN74P
VASSOCHN74R
VASYCHIG A V
DUZHYAM8650
VIE G
VIE G 66R
VIKTOROVA N S
VIKTOVAN70M
VLIMIKOY F
GEOEADAA72G
VODARSKAYA V P
VLODAYAP74G
VOLOGDIN A G
VOLOGINAG70O
VON GAERTNER H R
VONGEEHR630
VORONKOY Y V
VORONOVY73N
VOSKRESSENSKAYA M F
VOSKRYAM74P
VYSHMERISKY V S
VYSHIYVY565P
VYSHIYVY537I
VYSHIYVY547P
WAKSMAN S A
WAKSMAA35H
WEDE E
WEDE E 54C
WEHNER H
WEHNER H 68G
WEHNER H 69U
WEINER H
ZELER Y