

JOURNAL OF THE INSTITUTE OF PETROLEUM

~~2477/1102.~~

ABSTRACTS

VOLUME TWENTY-EIGHT
1942

Published by
THE INSTITUTE OF PETROLEUM
IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY
PRINCE CONSORT ROAD
LONDON, S.W. 7.



P.102/42/II

ABSTRACTORS.

K. T. ARTER, B.Sc., A.M.I.A.E.,
M.Inst.Pet.

J. CANTOR, B.Sc.

R. A. ELDRIDGE.

H. GARDNER, B.Sc., A.I.C.

C. L. GILBERT, B.Sc., A.R.C.S.,
F.Inst.Pet.

C. G. GRAY.

G. D. HOBSON, Ph.D., A.M.Inst.Pet.

J. W. HYDE, B.Sc., A.M.Inst.Pet.

A. LAMONT, Ph.D.

H. B. MILNER, M.A., D.I.C., F.G.S.,
F.Inst.Pet.

S. NAGHAVI.

A. H. NISSAN, Ph.D., A.M.Inst.Pet.

D. L. SAMUEL, B.Sc., A.I.C., F.Inst.Pet.

R. D. STREETON, Stud.Inst.Pet.

J. TADAYON.

J. F. TREMAINE, B.Sc.

R. C. WHITEHEAD.

E. H. WILD, B.Sc., A.M.Inst.Pet.

H. G. WILLIAMS, Ph.D., M.Sc., A.I.C.

ABBREVIATED TITLES USED IN THE ABSTRACTS

<i>Abbreviated Title.</i>	<i>Journal.</i>
<i>Aircr. Engng</i>	Aircraft Engineering.
<i>Ann. Min. Belg.</i>	Annales des Mines de Belgique.
<i>Ann. Min. Roumanie</i>	Annales des Mines de Roumanie.
<i>Ann. Off. Combust. liq.</i>	Annales de l'Office National des Combustibles Liquides.
<i>Asph. u. Teer</i>	Asphalt und Teer.
<i>Auto. Engr.</i>	Automobile Engineer.
<i>Auto. Tech. Z. (Berlin)</i>	Automobiltechnische Zeitschrift (Berlin).
<i>Azerb. neft. Khoz.</i>	Azerbaidzhanskoe Neftyanoe Khozyaistvo.
<i>Beitr. angew. Geophys.</i>	Beitrage angewandte Geophysik.
<i>Beitr. Geophys.</i>	Beitrage zur Geophysik.
<i>Bitumen</i>	Bitumen.
<i>Bohrtech. Z.</i>	Bohrtechniker Zeitung.
<i>Bol. Geol. y Min. (Caracas)</i>	Boletin de Geologia y Minería (Caracas).
<i>Bol. Inform. Petroleras (B.A.)</i>	Boletin de Informaciones Petroleras (Buenos Aires).
<i>Boll. Soc. geol. ital.</i>	Bolletín de la Società Geologica Italiana.
<i>Brennstoff Chemie</i>	Brennstoff Chemie.
<i>Bull. Acad. Sci. (U.S.S.R. Inst. Seismol.)</i>	Bulletin of the Academy of Sciences (U.S.S.R. Institute of Seismology).
<i>Bull. Amer. Ass. Petrol. Geol.</i>	Bulletin of the American Association of Petroleum Geologists.
<i>Bull. Amer. geol. Soc.</i>	Bulletin of the American Geological Society.
<i>Bull. Ass. franç. Tech. Pétrole.</i>	Bulletin de l'Association Française des Techniciens du Pétrole.
<i>Bull. Inst. Min. (metall.) Engrs</i>	Bulletin of the American Institute of Mining and Metallurgical Engineers.
<i>Bull. Math. Phys. Éc. polyt. Bucharest</i>	Bulletin de Mathématique et de Physique, Bucharest (École-polytechnique).
<i>Bull. roum. geol. Soc.</i>	Bulletin of the Roumanian Geological Society.
<i>Bull. seismol. Soc. Amer.</i>	Bulletin of the Seismological Society of America.
<i>Bull. Univ. Texas (Bur. econ. Geol. Techn.)</i>	Bulletin of the University of Texas (Bureau of Economic Geology and Technology).
<i>Bur. Stand. J. Res., Wash.</i>	United States Bureau of Standards Journal of Research, Washington.
<i>Calif. Oil World</i>	California Oil World.
<i>Canad. J. Res.</i>	Canadian Journal of Research.
<i>Canad. Min. J.</i>	Canadian Mining Journal.
<i>Canad. Min. metall. Bull.</i>	Bulletin of the Canadian Institute of Mining and Metallurgy.
<i>Chem. & Ind.</i>	Chemistry and Industry.
<i>Chem. Rev.</i>	Chemical Reviews.
<i>Chem. Tr. J.</i>	Chemical Trade Journal.
<i>Chem. Wkbl'd</i>	Chemische Weekblad.
<i>Chim. e Industria</i>	La Chimica e l'Industria.
<i>Chim. et Ind.</i>	Chimie et Industrie.
<i>C.R. Acad. Sci. (Paris)</i>	Comptes Rendus hebdomadaires des Seances de l'Académie des Sciences (Paris).
<i>C.R. Geol. Pétr. (Strasbourg)</i>	Compte-Rendu des Seances du Groupe des Geologues Pétroliers de Strasbourg.
<i>II^{me} Congrès Mond. Pétrole</i>	II ^{me} Congrès Mondial du Pétrole (Paris, 1937).
<i>Diesel Eng. Us. Ass.</i>	Diesel Engine Users Association.
<i>Direccion Minas y Geol.</i>	Publication of Direccion Minas y Geologicas (Argentina).
<i>Econ. Geol.</i>	Economic Geology.
<i>Engineer</i>	Engineer.
<i>Engineering</i>	Engineering.
<i>E.P.</i>	English Patent.
<i>Fuel</i>	Fuel in Science and Practice.
<i>Gas Oil Pur</i>	Gas and Oil Power.
<i>Geol. Mag. (Lond.)</i>	Geological Magazine (London).
<i>Geophys.</i>	Geophysics.

Abbreviated Title.

<i>Glückauf</i>	Glückauf.
<i>Groz. Neft.</i>	Groznenskii Neftyanik.
<i>Industr. Engng Chem.</i>	Industrial and Engineering Chemistry.
<i>Industr. Engng Chem. Anal.</i>	Industrial and Engineering Chemistry, Analytical Edition.
<i>Industr. Pwr & Fuel Econ.</i>	Industrial Power and The Fuel Economist.
<i>Instruments</i>	Instruments.
<i>Int. Z. Bohrtech.</i>	International Zeitschrift für Bohrtechnik.
<i>J. Amer. chem. Soc.</i>	Journal of the American Chemical Society.
<i>J. appl. Chem. (U.S.S.R.)</i>	Journal of Applied Chemistry, U.S.S.R.
<i>J. appl. Phys.</i>	Journal of Applied Physics.
<i>J. chem., metall. min. Soc. S. Africa</i>	Journal of the Chemical, Metallurgical and Mining Society of South Africa.
<i>J. chem. Soc.</i>	Journal of the Chemical Society.
<i>J. Fuel Soc. Japan</i>	Journal of the Fuel Society of Japan.
<i>J. Geol.</i>	Journal of Geology.
<i>J. Inst. Fuel</i>	Journal of the Institute of Fuel.
<i>J. Instn auto. Engrs</i>	Journal of the Institution of Automobile Engineers.
<i>J. Inst. Petrol.</i>	Journal of the Institute of Petroleum.
<i>J. org. Chem.</i>	Journal of Organic Chemistry.
<i>J. phys. Chem.</i>	Journal of Physical Chemistry.
<i>J. R. aero. Soc.</i>	Journal of the Royal Aeronautical Society.
<i>J. Soc. aut. Engrs</i>	Journal of the Society of Automotive Engineers.
<i>J. Soc. chem. Ind.</i>	Journal of the Society of Chemical Industry.
<i>Khim. Tverd. Topliva</i>	Khimiya Tverdovo Topliva.
<i>Kop. Naft. Polsce</i>	Kopalnictwo Naftowe w Polsce.
<i>Matières grasses</i>	Matières Grasses.
<i>Min. & Metall.</i>	Mining and Metallurgy.
<i>Min. Mag. (Lond.)</i>	Mining Magazine (London).
<i>Monit. Pêtr. roum.</i>	Moniteur du Pétrole Roumain.
<i>Montan. Rdsch.</i>	Montanistische Rundschau.
<i>Nat. Petrol. News</i>	National Petroleum News.
<i>Nature</i>	Nature.
<i>Neft. Khoz.</i>	Neftyanoe Khozyaistvo.
<i>Nickel Ind.</i>	Nickel Industry.
<i>Nov. Neft.</i>	Novosti Nefteperabotki.
<i>Nov. Tekhn. Bur.</i>	Novosti Tekhniki Bureniya.
<i>Nov. Tekhn. Neft.</i>	Novosti Tekhniki Neftedobvicki.
<i>Oel u. Kohle</i>	Oel und Kohle vereinigt mit Erdoel und Teer.
<i>Oil Gas J.</i>	Oil and Gas Journal.
<i>Oil Wkly</i>	Oil Weekly.
<i>Ole, Fette, Wachse</i>	Ole, Fette, Wachse, Seife, Kosmetik.
<i>Olii min.</i>	Olii Minerali.
<i>Paint Mnfr.</i>	Paint Manufacture.
<i>Paint Technol.</i>	Paint Technology.
<i>Petrol. Engr</i>	Petroleum Engineer.
<i>Petrol. Tech. (A.I.M.M.E.)</i>	Petroleum Technology (American Institute of Mining and Metallurgical Engineers).
<i>Petrol. Times</i>	Petroleum Times.
<i>Petrol. World (L.A.)</i>	Petroleum World (Los Angeles).
<i>Petrol. World (Lond.)</i>	Petroleum World (London).
<i>Petrol. Z.</i>	Petroleum Zeitschrift.
<i>Physics</i>	Physics.
<i>Pipe Line News</i>	Pipe Line News.
<i>Proc. Amer. Petrol. Inst.</i>	Proceedings of the American Petroleum Institute.
<i>Proc. Amer. Soc. Test. Mater.</i>	Proceedings of the American Society for Testing Materials.
<i>Proc. Ass. Asph. Pav. Technol.</i>	Proceedings of the Association of Asphalt Paving Technologists.
<i>Proc. Instn mech. Engrs</i>	Proceedings of the Institution of Mechanical Engineers.
<i>Proc. phys. Soc. (Lond.)</i>	Proceedings of the Physical Society (London).
<i>Proc. roy. Soc.</i>	Proceedings of the Royal Society.
<i>Przeg. Chem.</i>	Przegląd Chemiczny.
<i>Przem. Naft.</i>	Przemysł Naftowy.
<i>Quart. J. geol. Soc. Lond.</i>	Quarterly Journal of the Geological Society of London.

Journal.

<i>Rds & Rd Constr.</i>	Roads and Road Construction.
<i>Rec. Trav. chim. Pays-Bas</i>	Recueil des Travaux Chimiques des Pays-Bas.
<i>Refiner</i>	Refiner and Natural Gasoline Manufacturer.
<i>Rev. Comb. liq.</i>	Revue des Combustibles Liquides.
<i>Rev. Pétrolif.</i>	La Revue Pétrolifère.
<i>Rev. sci. Instrum.</i>	Review of Scientific Instruments.
<i>Riv. ital. Petrol.</i>	La Rivista Italiana del Petroleo.
<i>S. Afr. Min. (Engng) J.</i>	South African Mining and Engineering Journal.
<i>Strade</i>	Strade.
<i>Sulz. tech. Rev.</i>	Sulzer Technical Review.
<i>Summ. Ops, Calif. Oil Flds</i>	Summary of Operations, Californian Oil Fields.
<i>Tech. Phys. U.S.S.R.</i>	Technical Physics of the U.S.S.R.
<i>Tekn. Tidskr.</i>	Teknisk Tidskrift.
<i>Terr. Magn.</i>	Terrestrial Magnetism.
<i>Trans. Amer. geophys. Un.</i>	Transactions of the American Geophysical Union.
<i>Trans. Amer. Inst. Min. & Metall.</i>	Transactions of the American Institute of Mining and Metallurgy.
<i>Trans. Faraday Soc.</i>	Transactions of the Faraday Society.
<i>Trans. Inst. mar. Engrs</i>	Transactions of the Institute of Marine Engineers.
<i>Trans. Instn min. Engrs</i>	Transactions of the Institution of Mining Engineers.
<i>U.S. Bur. Mines, Inf. Circ.</i>	United States Bureau of Mines, Information Circular.
<i>U.S. Bur. Mines, Rep. Invest.</i>	United States Bureau of Mines, Report of Investigations.
<i>U.S. Bur. Mines, Tech. Paper</i>	United States Bureau of Mines, Technical Paper.
<i>U.S. Geol. Surv. Bull.</i>	United States Geological Survey Bulletin.
<i>U.S.P.</i>	United States Patent.
<i>World Petrol.</i>	World Petroleum.
<i>Z. dtsh. geol. Ges.</i>	Zeitschrift der Deutschen Geologischen Gesellschaft.
<i>Z. Geophys.</i>	Zeitschrift für Geophysik.
<i>Z. prakt. Geol.</i>	Zeitschrift zur Praktische Geologie.
<i>Z. ver. dtsh. Chem.</i>	Zeitschrift Vereins deutscher Chemiker.

(Certain periodicals listed above have not been available during 1942).

