

AUTHOR INDEX.

- AGNEW, Sir A., Speech at Special Luncheon, 96-97
- ANFILOGOFF, N. L., on Viscosity of Liquids, 217-218
- BERNAL, J. D., on Viscosity of Liquids, 214-215
- BLOKKER, P. C. *See* SAAL, R. N. J.
- BRANCKER, A. V., on Viscosity of Liquids, 218
- BURGER, F. J., on Lubricating Greases, 291
- BUSHE, L. A., on Drilling Mud, 471
- CADMAN, W. H., at Twenty-Seventh Annual General Meeting, 327
- , on Oil Shales and Cannel Coals, 336-337
- CASTLE, A. F., on Plunger Lift Operation, 27
- CHETWIN, H. W., on Lubricating Greases, 286
- CLARK, L. V. W. *See* NISSAN, A. H.
- CLAYTON, D., Some Experiments on Seizure between Lubricated Hard Steel Balls, 256-271
- , on Lubricating Greases, 290
- CLEMENT, D. H., and PIGNEGUY, P. G., The Clement-Pigneguy Knock Indicator, 289-513
- DALLEY, C., at Twenty-Seventh Annual General Meeting, 327
- DARLEY, H. C. H., Control of Drilling Mud in the Field, 457-474
- , Evaluation of Rotary Drilling Lines, 407-412
- DOUGHTY, W. D., on Lubricating Greases, 289-290
- DOWN, A. L. and HIMUS, G. W., Classification of Oil Shales and Cannel Coals, 329-335, 346-348
- DUNBAR, A., on Lubricating Greases, 290
- DUNSTAN, A. E., on Viscosity of Liquids, 212-213
- EDGAR, G., The Manufacture and Use of Tetra-ethyl lead, 146-149
- EVANS, E. A., on Lubricating Greases, 284, 292
- EVANS, E. B., on Viscosity of Liquids, 216-217
- FOGG, A., and HUNWICKS, S. A., The Static Friction of Lubricated Surfaces, 1-18
- FORBES, R. J., on Oil Shales and Cannel Coals, 344-345
- FRASER, R. A., on Lubricating Greases, 291
- GARNER, F. H., on Viscosity of Liquids, 217
- GOODCHILD, E. A., on Lubricating Greases, 288-289
- GOODMAN, A. J., on Drilling Mud, 473
- GRUSE, W. A., and LIVINGSTONE, C. J., Piston Deposits, Ring Sticking, Varnishing and Ring Clogging, 413-429
- HALL, F. J. S., on Lubricating Greases, 286, 287, 291
- HARRIS, J. L., on Plunger Lift Operation, 26
- HEALEY, N., on Drilling Mud, 473
- HEUKELOM, W. *See* SAAL, R. N. J.
- HIMUS, G. W. *See* DOWN, A. L.
- HOBSON, G. D., Further Investigations of the Properties of Clay Suspensions, 533
- HOOG, H. *See* SMITTEBERG, J.
- HUNTER, T. G. *See* SAWYER, M. F., and WIGGINS, W. R.
- HUNWICKS, S. A. *See* FOGG, A.
- HUSSEY, A. V., On Roofing-Felts and Damp-Courses, 388-389
- JACKSON, J. S., on Roofing-Felts and Damp-Courses, 388
- JAMES, R. L., Soil Mechanics in Foundation Engineering, 365-374
- JU, T. Y., SHEN, G., and WOOD, C. E., Synthesis and Properties of Mono-Normal-Alkylbenzenes. Part II—Preparation and Properties of the Intermediate Ketones and Corresponding Hydrocarbons, 514-531
- , *See also* SHEN, G.
- KISCH, SIR CECIL, Speech at Institute Luncheon, 98-100
- KUIPERS, J. P. *See* NELLENSTEYN, F. J.
- LAWRENCE, A. E., Use of Bitumen Emulsion in Soil Stabilization, 357-364
- LEE, A. R., WARREN, J. B., and WATERS, D. B., Flow Properties of Bituminous Materials, 101-128
- LIVINGSTONE, C. J. *See* GRUSE, W. A.

- MACGREGOR, M., on Oil Shales and Cannel Coals, 341-342
- MARKWICK, A. H. D., on Soil Mechanics, 374
- MASKELL, L. O., on Lubricating Greases, 289
- MATTHIJSSEN, H. L., The Catalytic Effect of Metals on the Ageing of Lubricating Oil for Diesel Engines, 72-90
- MEINEMA, K. *See* SAAL, R. N. J.
- MOERBEEK, B. H. *See* SMITTENBERG, J.
- MOTT, R. A., on Oil Shales and Cannel Coals, 342-343
- NASH, A. W., The Development of Petroleum Refining, 41-56
- , Speech at Institute Luncheon, 100
- , at Twenty-Seventh Annual General Meeting, 325-327
- , on Viscosity of Liquids, 213-214
- , *See also* NISSAN, A. H., SAWYER, M. F., and WIGGINS, W. R.
- NELLENSTEYN, F. J. and KUIPERS, J. P., Researches on Asphaltenes. Part I., 401-406
- NISBET, H. B., on Oil Shales and Cannel Coals, 343
- NISSAN, A. H., CLARK, L. V. W., and NASIR, A. W., The Dependence of Viscosity of Liquids on Constitution, 155-211, 219-222
- PATERSON, —, on Plunger Lift Operation, 27
- PIGNEGUY, P. G. *See* CLEMENT, D. M.
- PINEAU, L., Speech at Institute Luncheon, 97-98
- REDGROVE, E. R., on Lubricating Greases, 285
- ROBERTS, J., on Oil Shales and Cannel Coals, 345
- SAAL, R. N. J., HEUKELOM, W., and BLOKKER, P. C., Physical Constants of Asphaltic Bitumens, Part I., 29-39
- , MEINEMA, K., and BLOKKER, P. C., Physical Constants of Asphaltic Bitumens. Part II., 246-255
- SAMUEL, D. L., on Lubricating Greases, 291
- SANDERS, J. McC., on Oil Shales and Cannel Coals, 337-341
- SAWYER, M. F., HUNTER, T. G., and NASH, A. W., Studies on the Separation of Paraffin Waxes. Part I.—Principles involved in the Fractional Melting of Wax, 390-400
- , HUNTER, T. G., and NASH, A. W., Studies on the Separation of Paraffin Waxes. Part II.—Phase Relationships, 430-451
- SCOTT, D. A., Hazards Associated with Butadiene and its Peroxides, 272
- SCOTT, G. H., Errors in Acid-Bottle Readings, 349-356
- , on Drilling Mud, 471
- SHEN, G., JU, T. Y., and WOOD, C. E., Synthesis and Properties of Mono-Normal-Alkylbenzenes Part I.—Methods for the Alkylation of Benzene, 475-487
- , *See also* JU, T. Y.
- SKILLING, W. J., on Oil Shales and Cannel Coals, 343-344
- SLATER, L., on Oil Shales and Cannel Coals, 342
- SMITTENBERG, J., HOOG, H., MOERBEEK, B. H., and ZIJDEN, M. J. v.d., Octane Ratings of a Number of Pure Hydrocarbons and of some of their Binary Mixtures, 294-303
- STOTT, V., Simple Petroleum Tables for Use with Density Hydrometers, 235-245
- STYLES, E. R., on Lubricating Greases, 285-286
- TAITT, G. S., on Drilling Mud, 472
- THOMAS, H. C. H., on Plunger Lift Operation, 27
- THORNLEY, G. H., on Lubricating Greases, 290
- TORRANCE, S., on Lubricating Greases, 291
- TRUEMAN, A. E., on Oil Shales and Cannel Coals, 345
- VAN VLODROP, C. *See* WATERMAN, H. I.
- VOSKUIL, J., Solubility of Cracked Residues in some Solvents, 57-61
- WADE, A., on Oil Shales and Cannel Coals, 346
- WAELE, S. DE, on Lubricating Greases, 287-288
- , on Viscosity of Liquids, 215-216
- WALLING, —, on Plunger Lift Operation, 28
- WARREN, J. B. *See* LEE, A. R.
- WATERMAN, H. I., and VAN VLODROP, C., Hydrogenation of Petroleum Fractions, Employing a Large Percentage of Catalyst, 452-456
- WATERS, D. B. *See* LEE, A. R.
- WEBBER, M. W., The Analysis and Testing of Lubricating Greases, 273-283, 292-293
- WELLINGS, F. R., Some Notes on Plunger Lift Operation, 19-28
- WEST, H. L., on Lubricating Greases, 290-291

WIGGINS, W. R., HUNTER, T. G., and NASH, A. W., The Synthesis of Lubricating Oils by Condensation Reactions. Part I.—The Condensation of Chlorinated Paraffin Wax with Aromatic Hydrocarbons, 129-145
 —, HUNTER, T. G., and NASH, A. W., The Synthesis of Lubricating Oils by Condensation Reactions. Part II.—The Engine Testing

of Synthetic Lubricating Oils, 225-234
 WILFORD, A. T., on Lubricating Greases, 287
 WILSON, D. M., Manufacture and Testing of Roofing-Felts and Damp-Courses, 377-388, 389
 WOOD, C. E. See JU, T. Y., and SHEN, G.
 ZIJDEN, M. J. v.d. See SMITTEGGERO, J.