

## NEW PUBLICATIONS

## PART I. PURE MATHEMATICS

- ARCHIBALD (R. C.). See SARTON (G.).
- BLASCHKE (W.). *Integralgéométrie*. (Actualités Scientifiques e Industrielles, No. 252; Exposés de géométrie, publié sous la direction Wilhelm Blaschke, I.) Paris, Hermann, 1935. 22 pp.
- DE BOTHEZAT (G.). *Back to Newton. A challenge to Einstein's theory of relativity*. New York, Stechert, 1936. 7+152 pp.
- BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE. *Mathematical Tables. Volume 5: Factor table giving the complete decomposition of all numbers less than 100,000*. Prepared independently by J. Peters, A. Lodge and E. J. Ternouth, E. Gifford, and collated by the British Association for the Calculation of Mathematical Tables. London, British Association, 1935. 15+292 pp.
- CARNAP (R.). *Le problème de la logique de la science. Science formelle et science du réel*. Translation of E. Vouillemin. (Actualités Scientifiques et Industrielles, No. 291.) Paris, Hermann, 1935. 39 pp.
- CASANOVA (M. G.) and SERRANO (F. P.). *Exposición didáctica de Cuestiones Geométricas destinada a facilitar la preparación para concursos de ingreso en academias y escuelas de arreras científicas*. Barcelona, Bosch, 1935. Volume 1, 15+431 pp.; volume 2, 7+356 pp.
- CORRAL (J. I.). *Brigadas de sustituciones. Part 2: Brigadas imperfectas*. Toledo 1935. 133 pp.
- FARADAY (M.). *Faraday's diary: being the various philosophical notes of experimental investigation made by Michael Faraday during the years 1820-1862 and bequeathed by him to the Royal Institution of Great Britain. Under the editorial supervision of Thomas Martin. Volume 7: Nov. 24, 1855-March 12, 1862*. London, Bell, 1936. 17+465 pp. Index 64 pp.
- FRICK (B. M.). See SARTON (G.).
- GIFFORD (E.). See BRITISH ASSOCIATION.
- LODGE (A.). See BRITISH ASSOCIATION.
- MARTIN (T.). See FARADAY (M.).
- NEURATH (O.). *Le développement du cercle de Vienne et l'avenir de l'empirisme logique*. (Actualités Scientifiques et Industrielles, No. 290.) Paris, Hermann, 1935. 39 pp.
- PETERS (J.). See BRITISH ASSOCIATION.
- POGO (A.). See SARTON (G.).
- REILLY (J. F.). See RIETZ (H. L.).
- RIETZ (H. L.), REILLY (J. F.), and WOODS (R.). *Plane and spherical trigonometry, with log tables*. New York, Macmillan, 1936. 11+240 pp.
- SANSONE (G.). See VITALI (G.).
- SARTON (G.), edited by, with the cooperation of R. C. Archibald, B. M. Frick, and A. Pogo. *Osiris. Volume 1: A volume of studies of the history of*

- mathematics and the history of science. Presented to D. E. Smith. Bruges, Saint Catherine, 1936. 777 pp.
- SCHLICK (M.). Sur le fondement de la connaissance. (Actualités Scientifiques et Industrielles, No. 289.) Paris, Hermann, 1935. 55 pp.
- SCHMIDT (F.). Geschichte der geodätischen Instrumente und Verfahren im Altertum und Mittelalter. Neustadt an der Hardt, 1935. 400 pp.
- SERRANO (F. P.). See CASANOVA (M. G.).
- SMITH (D. E.). See SARTON (G.).
- TERNOUTH (E. J.). See BRITISH ASSOCIATION.
- VITALI (G.) and SANSONE (G.). Moderna teoria delle funzioni di variabile reale. Part 2. (Monografie di Matematica Applicata per cura del consiglio nazionale delle ricerche.) Bologna, Zanichelli, 1935. 6+310 pp.
- VOUILLEMIN (E.). La logique de la science et l'école de Vienne. (Actualités Scientifiques et Industrielles, No. 286.) Paris, Hermann, 1935. 45 pp.
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- VRANCEANU (G.). Les espaces non holonomes. (Mémorial des Sciences Mathématiques, No. 76.) Paris, Gauthier-Villars, 1936. 70 pp.
- WEINBERG (J.). Die algebra des Abū Kāmil Šogā'ben Aslam. Munich, Salesianischen Offizen, 1935. 144 pp.
- WOODS (R.). See RIETZ (H. L.).

## PART II. APPLIED MATHEMATICS

- AMALDI (U.). See LEVI CIVITA (T.).
- ANDREWS (P. E.). See LAMBERT (H. G.).
- VON ANGERER (E.). Technische Kunstgriffe bei physikalischen Untersuchungen. (Sammlung Vieweg: Tagesfragen aus den Gebieten der Naturwissenschaften und der Technik, No. 71.) 3d edition. Braunschweig, Vieweg, 1936. 9+201 pp.
- BEECHING (R.). Electron diffraction. (Methuen's Monographs on Physical Subjects.) London, Methuen, 1936. 8+107 pp.
- BODDINGTON (A. L.). Statistics and their application to commerce. 7th edition. London, Pitman, 1936. 372 pp.
- VON BRAUNMÜHL (H. J.) and WEBER (W.). Einführung in die angewandte Akustik: insbesondere in die neueren Probleme der Schallmessung, Schallübertragung und Schallaufzeichnung. Leipzig, Hirzel, 1936. 5+216 pp.
- COLIN (A.). See RIBAUD (G.).
- CURIE (P.). Radioactivité. Paris, Hermann, 1935. 563 pp.
- DELBRÜCK (M.). See MEITNER (L.).
- DEMING (F. R.) and NERDEN (J. T.). Science in the world of work. Volume 1: Applied mechanics. 10+206 pp. Volume 2: Applied physical science. 10+282 pp. New York and London, McGraw-Hill, 1936.
- DOCKERY (N. R. C.). See SIDONS (A. W.).
- DOHERTY (R. E.) and KELLER (E. G.). Mathematics of modern engineering. Volume 1. New York, Wiley; London, Chapman and Hall, 1936. 21+314 pp.
- ECK (B.). Einführung in die technische Strömungslehre. Volume 2: Strömungstechnisches Praktikum. Berlin, Springer, 1936. 6+96 pp.
- EGGERT (O.). See JORDAN (W.).

- EVERLING (E.) and MÜLLER (H.). *Mechanik des Motor- und Segelfluges.* (Sammlung Götschen, volume 841.) Berlin and Leipzig, de Gruyter, 1936. 126 pp.
- EWING (J. A.). *Thermodynamics for engineers.* 2d edition. Cambridge, University Press, 1936. 15+389 pp.
- FATH (E. A.). *Through the telescope. A story of the stars.* New York, McGraw-Hill, 1936. 220 pp.
- FRITSCH (V.) and JELINEK (F.). *Beiträge zur Physik der Wümschelrutenfrage.* Diessen, Huber, 1936. 189 pp.
- GOLDING (E. W.). *Electrical measurements and measuring instruments.* 2d edition. London, Pitman, 1936. 812 pp.
- GRANIER (J.). *Les systèmes oscillants.* Preface by P. Janet. Paris, Dunod, 1936. 8+215 pp.
- HAUSMANN (E.) and SLACK (E. P.). *Physics.* London, Chapman and Hall, 1936. 8+776 pp.
- HEITLER (W.). *The quantum theory of radiation.* (International Series of Monographs on Physics.) Oxford, Clarendon Press; London, Oxford University Press, 1936. 11+252 pp.
- HUMBERT (P.). *Potentiels et prépotentiels.* (Cahiers Scientifiques, published under the direction of Gaston Julia, No. 15.) Paris, Gauthier-Villars, 1936. 8+80 pp.
- HUND (A.). *Phenomena in high-frequency systems.* (International Series in Physics.) New York and London, McGraw-Hill, 1936. 15+642 pp.
- JANET (P.). See GRANIER (J.).
- JELINEK (F.). See FRITSCH (V.).
- JOHNSTON (W. H.). See PLANCK (M.).
- JORDAN (W.) and REINHERTZ (C.). *Handbuch der Vermessungskunde.* Volume 1: *Ausgleichs-Rechnung nach der Methode der kleinsten Quadrate,* edited by O. Eggert. 8th edition. Stuttgart, Metzler, 1935. 656 pp.
- JULIA (G.). See HUMBERT (P.).
- KARAS (K.). *Die kritischen Drehzahlen wichtiger Rotormen.* Berlin, Springer, 1935. 4+154 pp.
- KELLER (E. G.). See DOHERTY (R. E.).
- LAMBERT (H. G.) and ANDREWS (P. E.). *Light and sound.* (Elementary Science Series.) London, University Tutorial Press, 1935. 7+183 pp.
- LANGE (B.). *Die Photoelemente und ihre Anwendung.* Part 1. Leipzig, Barth, 1936. 132 pp.
- LENARD (P.). *Deutsche Physik.* In 4 volumes. Volume 1: *Einleitung und Mechanik.* Munich, Lehmann, 1936. 15+249 pp.
- LEVI CIVITA (T.) and AMALDI (U.). *Nozioni di balistica esterna: secondo il programma stabilito dalla Commissione supreme de Difesa.* Bologna, Zanichelli, 1935. 8+56 pp.
- LINDSAY (R. B.) and MARGENAU (H.). *Foundations of physics.* New York, Wiley; London, Chapman and Hall, 1936. 14+537 pp.
- McKENZIE (A. E. E.). *Heat.* Cambridge, University Press, 1936. 8+160 pp.
- McLACHLAN (N. W.). *The new acoustics: a survey of modern development in acoustical engineering.* London, Oxford University Press, 1936. 6+166 pp.

- MACKEY (C. O.). Graphical solutions. New York, Wiley; London, Chapman and Hall, 1936. 7+130 pp.
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- MEITNER (L.) and DELBRÜCK (M.). Der Aufbau der Atomkerne. Natürliche und künstliche Kernumwandlungen. Berlin and Leipzig, Springer, 1935. 4+62 pp.
- MITTON (R. G.). Mechanics and hydrostatics. (Dent's Modern Science Series.) London, Dent, 1936. 9+275 pp.
- MOLENBROEK (P.) and WIJDENES (P.). Stereometrie voor middelbaar en Voorbereidend hoger Onderwijs. 4th edition, completely revised. Groningen-Batavia, Noordhoff, 1935. 142 pp.
- MÜLLER (H.). See EVERLING (E.).
- NAHMIA (M. E.). Analyse des matières cristallisées au moyen des rayons X. (Actualités Scientifiques et Industrielles, No. 332.) Paris, Hermann, 1936.
- NERDEN (J. T.). See DEMING (F. R.).
- NILSSON (G.). Kometen: Erster und Höherer Klasse. Stockholm, Aktiebolaget Fahlcrantz Boktryckeri, 1936. 23 pp.
- PARKINSON (A. C.). Intermediate engineering drawing. London, Pitman, 1936. 8+170 pp.
- PERSICO (E.). Trattato generale di fisica a cura del Consiglio Nazionale delle Ricerche: Fondamenti della meccanica atomica. Bologna, Zanichelli, 1936. 3+510 pp.
- PHELPS (E. R.). See WOLFE (J. H.).
- PLANCK (M.). The philosophy of physics. Translated by W. H. Johnston. London, Allen and Unwin, 1936. 118 pp.
- PRAGER (R.). Katalog und Ephemeriden Veränderlicher Sterne für 1936. Berlin, Dümmler, 1936. 209 pp.
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- RIBAUD (G.). Mesure des températures. (Collection Armand Colin: Section de physique, No. 190.) Paris, Colin, 1936. 224 pp.
- DE RIVA BERNI (A.). See TIMOSHENKO (S.).
- SAHA (M. N.) and SRIVASTAVA (B. N.). A treatise on heat (including kinetic theory of gases, thermodynamics and recent advances in statistical thermodynamics): being the 2d and revised edition of *A text book of heat*. Allahabad and Calcutta, Indian Press, 1935. 12+815 pp.
- SCHLEICHER (M.). Die moderne Selektivschutztechnik und die Methoden zur Fehlerortung in Hochspannungsanlagen. Berlin, Springer, 1936. 8+418 pp.
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- SIDDONS (A. W.), SNELL (K. S.), and DOCKERY (N. R. C.). Elementary statics. London, Arnold, 1936. 8+144 pp.
- SLACK (E. P.). See HAUSMANN (E.).
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- SOULIER (A.). L'électricité sans algèbre. Cours complet et pratique accessible à tout le monde. Paris, Garnier, 1935. 464 pp.

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- SPONER (H.). Molekülspektren und ihre Anwendung auf chemische Probleme. Part 2: Text. (Struktur und Eigenschaften der Materie, volume 16.) Berlin, Springer, 1936. 12+506 pp.
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- STONER (E. C.). Magnetism. (Methuen's Monographs on Physical Subjects.) 2d edition, revised and enlarged. London, Methuen, 1936. 7+136 pp.
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- TIMOSHENKO (S.). Théorie de l'élasticité. Translated by A. de Riva Berni. Paris, Béranger, 1936. 446 pp.
- VAN LAAR (J. J.). Die Thermodynamik einheitlicher Stoffe und Binärer Gemische, mit Anwendungen auf verschiedene physikalisch-chemische Probleme. Groningen, Noordhoff, 1936. 357 pp.
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- WEBER (W.). See VON BRAUNMÜHL (H. J.).
- WEICHART (F.). Die physikalischen Grundlagen der Rundfunktechnik. 4th edition. In 4 parts. Part 3. Berlin, Weidmann, 1936. 180 pp.
- WIJDENES (P.). See MOLENBROEK (P.).
- WOLFE (J. H.) and PHELPS (E. R.). Practical shop mathematics. Volume 2. New York and London, McGraw-Hill, 1936.
- YOUNG (G. A.). See YOUNG (V. W.).
- YOUNG (V. W.) and YOUNG (G. A.). Elementary engineering thermodynamics. New York and London, McGraw-Hill, 1936. 12+220 pp.