PROFESSOR ELLERY W. DAVIS, dean of the school of arts and sciences and head of the department of mathematics of the University of Nebraska, died February 3 at the age of sixty years. Professor Davis was one of the earliest members of the American Mathematical Society, having entered in 1891.

DR. R. A. HARRIS, of the U. S. coast and geodetic survey and well known for his researches in the theory of the tides, died January 17 at the age of fifty-four years.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

BOUTROUX (E.). Natural law in science and philosophy. Authorized translation by F. Rothwell. New York, Macmillan, 1914. 8vo. 218 pp.

"F. R. S." See THOMPSON (S. P.).

HANCOCK (H.). Theory of maxima and minima. Boston, Ginn, 1917. 8vo. 14 + 193 pp.

KENYON (A. M.) and LOVITT (W. V.). Mathematics for collegiate students of agriculture and general science. New York, Macmillan, 1917. 8 + 357 pp. Cloth. $2.00

LOVITT (W. V.). See KENYON (A. M.).

MAURUS (E. J.). An elementary course in differential equations. Boston, Ginn, 1917. 12mo. 8 + 51 pp. $0.72

ROTHWELL (F.). See BOUTROUX (E.).

THOMPSON (S. P.). ("F. R. S."). Calculus made easy: being a very-simplest introduction to those beautiful methods of reckoning which are generally called by the terrifying names of the differential calculus and the integral calculus. Second edition, enlarged. London, Macmillan, 1917. 12mo. 12 + 265 pp.   2s.

ZONDADARI (E.). Integrazione grafica e studio delle equazioni differenziali ordinarie del primo ordine coi metodi della geometria descrittiva. Milano, Soc. ed. Dante Alighieri (Roma, tip. Nazionale, Bertero), 1917. 8vo. 9 + 112 pp.   L. 3.50

II. ELEMENTARY MATHEMATICS.

BARKER (E. H.). Plane trigonometry with tables. Philadelphia, Blakiston, 1917. 8vo. 8 + 172 pp.

CHADSEY (C. E.) and SMITH (J. H.). Efficiency arithmetic. 3 volumes. Boston, Atkinson, Mentzner and Company, 1917. 12mo. Primary: 7 + 280 pp. Intermediate: 6 + 282 pp. Advanced: 5 + 314 pp.
$0.40 + 0.40 + 0.45

FOLDBERG (P. T.).   Regnebog for Realskoler.   1. Del.   København og
    Kristiania, Gyldendal, 1917.   8vo.   94 pp.

FRIIS-PETERSEN (F.) og JESSEN (J. W. L.).   Opgaver i Algebra for Real-
    klassen og det sproglige Gymnasium.   København, Gjellerup, 1917.
    8vo.   64 pp.

HARPER (G. A.).   See NEWELL (M. J.).

JESSEN (J. W. L.).   See FRIIS-PETERSEN (F.).

NEWELL (M. J.) and HARPER (G. A.).   Plane and solid geometry.   Chi-
    cago, Row, Peterson and Company, 1917.   12 + 384 pp.

PLATOU (T. H.).   Opgaver i Aritmetik og Algebra for Middelskolen.
    Kristiania, Cammermeyer, 1917.   8vo.   62 pp.

SMITH (J. H.).   See CHADSEY (C. E.).

III.   APPLIED MATHEMATICS.

BIANCHI (E.).   La determinazione del punto da bordo di aeronavi.   Parte
    1.   (Ministero delle armi e munizioni: direzione generale d'aero-
    nautica, istituto centrale aeronautico.)   Roma, tip. Unione ed., 1917.
    8vo.   158 pp.

——.   See DIFFERENZA.

CONTARINO (F.).   See DIFFERENZA.

CRAWLEY (E. S.) and EVANS (H. B.).   Analytic geometry.   Philadelphia,
    E. S. Crawley, 1918.   14 + 239 pp. $1.60

DEL BUE (A.).   Lezione di meccanica generale: cinematica.   Città di
    Castello, Soc. tip. Leonardo da Vinci, 1917.   72 pp.   L. 3.00

DIFFERENZA di longitudine fra Roma (M. Mario) e Napoli (Osserv. di
    Capadimonte) determinate nei mesi di giugno e luglio del 1909 da
    E. Bianchi, F. Contarino, V. Nobile, e G. Zappa.   Parte 1.   (R.
    Commissione geodetica italiana.)   Roma, tip. Nazionale, 1917.   4to.
    54 pp.

EVANS (H. B.)   See CRAWLEY (E. S.).

FARMER (F. M.).   Electrical measurements in practice.   New York,
    McGraw-Hill, 1917.   360 pp. $4.00

GRAY (A.).   Principles and practice of electrical engineering.   2d edition.
    New York, McGraw-Hill, 1917.   431 pp. $3.00

HALSEY (F. A.).   Handbook for machine designers, shop men and drafts-
    men.   2d edition.   New York, McGraw-Hill, 1917.   561 pp. $5.00

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    92 pp. $1.00

JACOBY (H.).   Navigation.   New York, Macmillan, 1917. $2.25

KENNELLY (A. E.).   The application of hyperbolic functions to electrical
    engineering problems.   2d edition.   New York, McGraw-Hill, 1917.
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    719 pp. $5.00

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MARCOLONGO (R.). Meccanica razionale. Volume 1: Cinematica-statica. Seconda edizione, riveduta ed ampliata. (Manuali Hoepli, N. 352–353.) Milano, Hoepli, 1917. 24mo. 15 + 323 pp. L. 4.50

NOBILE (V.). See DIFFERENZA.

POORMAN (A. P.). Applied mechanics. New York, McGraw-Hill, 1917. 8vo. 12 + 244 pp. $2.00

SCHLAUCH (W. S.). See WENTWORTH (G.).

SCHUSTER (A.) and SHIPLEY (A. E.). Britain's heritage of science. London, Constable, 1917. 16 + 334 pp.

SECRIST (H.). An introduction to statistical methods. A textbook for college students. A manual for statisticians and business executives. New York, Macmillan, 1917. 22 + 482 pp. $2.00

SHIPLEY (A. E.). See SCHUSTER (A.).

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STUART (E. R.). Topographical drawing. New York, McGraw-Hill, 1917. 126 pp. $2.00

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ZAPPA (G.). See DIFFERENZA.