

their commercially minded paymasters. Nevertheless they managed to collect a good deal more information than was published, and their picture of the Mekhadma can be improved considerably if funds for publication are made available.

In spite of its obviously serious shortcomings, *Les Mekhadma* is an important book; for it describes for the first time, in vivid colors and in minute and full detail, the over-all material effect of the shattering collision of a Saharan native culture with the explosive force of European industrial expansion.

This book is extremely valuable within the limits I have indicated; its presentation is luxurious and the photographs are magnificent. It is the first thing of its kind, and it could not be more timely.

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The Correspondence of Isaac Newton.
vol. 2. 1676–1687. H. W. Turnbull,
Ed. Cambridge University Press,
New York, 1960. xiii + 552 pp.
Illus. + plates. \$25.

In the first volume of this monumental, long-awaited edition, we were presented with the juvenile Newton, blossoming into the ingenious optical experimenter, known (but none too widely) to his coterie within the Royal Society. Now, in the second volume, emerges the masterful mathematician, vying with Leibnitz over problems in their new methods of analysis and culminating his achievements with the greatest scientific book ever written, the *Principia Mathematica*.

Out of 162 letters (and manuscripts) here edited, some 66 are published for the first time and many others only now are printed in full and accurate versions. Even more than in the previous volume, the critical notes represent an editorial *tour de force* on which many generations of scholars will be able to lean.

Still, however, even at the height of his powers, Newton proves a disenchantingly impersonal correspondent, so that it comes almost as a warming refreshment when one or another of those writing to Newton goes beyond the bounds of strict scientific intelligencing. Amongst these, American readers should be especially interested

to see for the first time the letters of Arthur Storer. Storer's father was a tenant of the Newtons at Woolsthorpe in Lincolnshire, and after some astronomical correspondence with Newton in 1678, Storer traveled to Maryland in the autumn of that year and, though lying sick there for some time, continued to write back news of observations and comets during the years 1681 to 1683.

The editing is so accurate that it is perhaps mete for a reviewer to swoop upon even minor errors. The letters between Gilbert Clerke and Newton (numbers 312 to 316) are said to be in possession of the Burndy Library, New York; however, that rich and most helpful institution is in Norwalk, Conn. On another matter concerned with the possession of manuscripts, it may not be altogether improper to remark that it seems a considerable scholarly annoyance to have some letter printed with merely the superscription "in private possession." It is, to be true, far better than not having the thing at all, but why, let us ask plaintively, must owners be so narrowly possessive or secretive that they will not tell us where to go to see the original?

In my review of the first volume [*Science* 131, 1202 (1960)] I remarked that this set was to be one of our most valuable and cherished sources in the history of science. Now, with a pair of the volumes on the shelves, that high promise is evidently fulfilled, and I wait all the more eagerly for the rest of the set and for all the other Newton publications now to be unleashed.

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Miscellaneous Publications

(Inquiries concerning these publications should be addressed, not to Science, but to the publisher or agency sponsoring the publication.)

American Fisheries Society. Committee on Names of Fishes. *A List of Common and Scientific Names of Fishes from the United States and Canada*. American Fisheries Society, Ann Arbor, Mich., ed. 2, 1960 (order from Secretary-Treasurer, American Fisheries Soc., Box 483, McLean, Va.). 102 pp. Paper, \$1; cloth, \$2.

Associação Portuguesa para o Progresso das Ciências. *Congresso Luso-Espanhol*, vol. 23. Celebrado na Cidade Coimbra de 1 a 5 de Junho de 1956. vol. 5, 4a, *Ciências Naturais*; 1a, *Mineralogia e Geologia*; 2a, *Botânica*. 528 pp. 3a, *Zoologia e Antropologia*. 176 pp. vol. 6, 5a, *Ciências Sociais*. 215 pp. vol. 8, 7a,

Ciências Históricas e Filológicas. 601 pp. vol. 9, 8a, *Ciências Médicas e Biológicas*. 648 pp. vol. 10, 9a *Engenharia, Arquitetura e Outras Ciências Aplicadas*. The Association, Coimbra, Portugal, 1956–57.

Association Internationale de Géodésie. *Travaux*, vol. 20. Rapports généraux et rapports nationaux. vol. 2, *Nivellement de précision*. Secretariat de l'Association, Paris, 1958.

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Argentina, Academia Nacional de Medicina. *Boletín de la Academia Nacional de Medicina*. vol. 37. Ministerio de Educación y Justicia, Buenos Aires, 1959. 566 pp.

Australia. Division of Land Research and Regional Survey. *Technical Paper*, No. 8, "The establishment of pasture species on arable land at Katherine, N.T.," M. J. T. Norman, 18 pp.; No. 9, "Performance of annual fodder crops at Katherine, N.T.," M. J. T. Norman and R. Wetselaar, 16 pp.; No. 10, "Soil and crop nitrogen at Katherine, N.T.," R. Wetselaar and M. J. T. Norman, 18 pp.; No. 11, "Performance of buffel grass and buffel grass-townsville lucerne mixtures at Katherine, N.T.," M. J. T. Norman, 14 pp. *Soil Publication*, No. 16, "The development and distribution of the soils of the Swan Coastal Plain, Western Australia," W. M. McArthur and E. Bettenay. Commonwealth Scientific and Industrial Research Organization, Melbourne, 1960.

British Museum (Natural History), London. *Bulletin*. Botany, vol. 2, No. 7, "The identity of *Isopyrum aquilegioides* L., Gavin de Beer and William T. Stearn, 10 pp. 6s. Entomology, vol. 9, No. 3, "Sphecidae (Hym.) Recoltes en Tripolitaine et en Cyrenaïque par M. Kenneth M. Guichard." 52 pp. 12s. Geology, vol. 4, No. 5, "A review of the Upper Jurassic Pliosaurs." Lambert Beverly Tarlo. 45 pp. 24s. The Museum, London, 1960.

Chicago Natural History Museum. *Fieldiana: Botany*, vol. 30, No. 3, "Orchids of Peru," Charles Schweinfurth, 253 pp., \$4.50. *Geology*, vol. 11, No. 10, "Fishes of the Devonian Holland Quarry shale of Ohio," Robert H. Denison, 60 pp., \$1.50. *Geology*, vol. 14, No. 1, "The stratigraphy of the Devonian Holland Quarry shale of Ohio," J. Ernest Carman, 5 pp., \$0.15. *Zoology*, vol. 39, No. 35, "Two eels of the genus *Synphobranchus* from the Gulf of Mexico," P. H. J. Castle, 12 pp., \$0.30. *Zoology*, vol. 39, No. 36, "A new genus of blind beetles from a cave in South Africa," Henry S. Dybas, 6 pp., \$0.20. *Zoology*, vol. 41, No. 2, "Birds of Gabon and Moyen Congo," Austin L. Rand, Herbert Friedmann, and Melvin A. Taylor, Jr., 218 pp. Chicago Natural History Museum, Chicago, Ill., 1960.

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