

to be illustrated with elaborate maps and woodcuts of animals. It will be published by Messrs. Macmillan. The same firm have in the press "A Course of Practical Instruction in Elementary Biology," by Prof. Huxley, assisted by Mr. H. N. Martin, of Christ's College, Cambridge.

SCIENCE.

—The Russian Government is experimenting on the use of Electrical head lights for locomotives. A battery of forty-eight elements makes the track perfectly clear for a distance of 1,300 feet.

—A method for increasing the supply of lithographic stones has been patented in England. It consists in slitting stones of the ordinary thickness into three or more thin pieces, which are then blocked up by a cement pressed and moulded on the stone. Besides the economy thus obtained by the use of "veneered" stone, the liability to fracture is said to be much reduced.

—An interesting numismatic discovery was made the other day at Bourbonne-les-Bains, Department of the Haute-Marne, in France. In making excavations for the public baths and reservoirs now in course of construction, the workmen came upon a large number of Roman coins and medals, respectively of bronze, silver, and gold. Between 4,000 and 5,000 pieces in all have been already removed to the museum—namely, 4,000 bronze, 300 silver, and a few gold coins; the latter are in size equal to French pieces of forty francs, and bear the portraits of Nero, Hadrian, Honorius, and Faustina Senior, wife of Antoninus Pius.

—Herr Füscher has recently discovered that if one volume of castor-oil be dissolved in two or three volumes of spirits of wine it will render paper transparent, and the spirit rapidly evaporating, the paper, in a few minutes becomes fit for use. A drawing in pencil or in Indian ink can thus be made, and if the paper is placed in spirits of wine, the oil is dissolved

out, restoring the paper to its original condition.

—Prof. Stanley Jevons is to contribute to the "International Scientific Series," a book entitled "Money, and the Mechanism of Exchange." It will be a popular description of the functions of money, the substances employed at various times for making coins, the actual systems of money used at present in different countries, international currency schemes, &c.

ART.

—Frederick De Waldeck, the famous traveller and artist, is dead. He was in his hundred and eleventh year.

—The statue of Grattan, by Foley, the eminent English sculptor, has been successfully cast in bronze in London. It is to be erected in Dublin.

—The statue of General Stonewall Jackson, by the English sculptor, Mr. Foley, is now nearly completed at the Manor Foundry, Chelsea, London; and is said to be one of the best of that sculptor's works. When finished it is to be set up in Charleston.

—A painter without arms is a rarity. There is one—M. C. Fein of Antwerp—on a visit to London, where he is engaged in copying some pictures in the South Kensington Museum. The facility with which he manages his brush with his right foot, while holding his palette with the left, is said to be marvellous.

—The "Portfolio" for April contains an excellent article on M. Herbert, the painter, illustrated by a fine reproduction of his picture "La Malaria," obtained by a new wonderful process of reproduction styled "Photogravure," which is said to surpass, beyond all comparison, every other mode of transcribing pictures in black and white.

MUSIC.

—*Important Musical Discoveries*—Mr. J. B. Hamilton recently read