

*Decoration Céramique au Feu de Moufle.* Par M. E. GUENEZ. Paris, Gauthier-Villars et Fils, Quai des Grands-Augustines, 55. 199 p., 1893.

We have already noticed in these columns previous numbers of the *Encyclopédie Scientifique*, of which these present volumes form a recent addition, and further remarks on the general excellence of the plan adopted would be unnecessary. The detailed but concise descriptions of the individual arts and sciences, with separate volumes, each devoted to some particular speciality or division of the whole, and each complete in itself, is an undertaking sufficiently vast to make a doubt as to its success perfectly natural. But under the directorship of M. Leanté, Membre de l'Institut, and of M. Masson, editor, this success has certainly been attained, and we are presented with a series of works each superior in its particular field, and of value to a specialist as well as to the general reader. The first volume, treating of the tanning industry, naturally appeals most strongly to the manufacturer and to the chemist. The discussion consists, in brief, of the study of the crude materials and the chemical products which are introduced, of the theory of the successive operations of manufacture and their practical manipulation. Methods of analysis are also given, and in such a manner as to be intelligible to the manufacturer as well as to his chemist.

The manufacture of varnishes, by M. Naudin, is divided into two parts, the first treating the theoretical side and including the analysis of the resins and oils, with brief notice of the manner of extraction of the same, and their origin both geographical and botanical. The second part treats of the principal processes of manufacture actually used in this branch of industry.

The art of china and pottery decoration is so widespread and includes among its devotees so many amateurs, as well as those working upon a larger scale,

that this little book of M. Guenez will doubtless prove profitable to many readers. Those "little points" which one soon discovers to be so essential to success are here described in principle and in practice, and by an understanding of the cause of the failure repeated disappointment is avoided. In pursuance of this plan the first part of the book deals with the theory or chemistry of china painting, while the second describes in detail the methods used in practice. While sufficiently popular to prevent no serious difficulties to the amateur, this book is of greatest value to the industrial worker.

## NOTES AND NEWS.

MRS. J. R. GREEN'S "Town Life in the Fifteenth Century" is nearly ready. It will be of undoubted interest to the general reader as well as to the student of political economy, dealing, as it does, with the days when the towns were independent communities and centres of political life. "There is nothing in England to-day," writes Mrs. Green, "with which we can compare the life of a fully enfranchised borough of the fifteenth century, . . . a state within a state, boasting of rights derived from immemorial custom and of later privileges assumed by law."

—Mr. J. Norman Lockyer, the author of "The Meteoritic Hypothesis," "The Evolution of the Heavens and the Earth," and many other important works, has in press a new book, "The Dawn of Astronomy." It tells of the days when wonder and worship formed the prevailing feature in any consideration of the heavenly bodies; and it traces in Egypt and Babylonia, in China and India, the beginnings of the scientific treatment of the subject. The numerous illustrations lend another feature of interest to this delightful book.

## Brain Workers.

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is recommended by physicians of all schools, for restoring brain force or nervous energy, in all cases where the nervous system has been reduced below the normal standard by over-work, as found in lawyers, teachers, students and brain-workers generally.

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## EXCHANGES.

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Skins, with full data, of *Ægialites nivosa*, *Ereunetes occidentalis*, *Ammodramus beldingi*, *A. rostratus*, *Chamaea fasciata henshawii* and others from California, for native or foreign skins with full data. A. W. Anthony, 2042 Albatross Street, San Diego, California.

For Sale.—An entirely new analytical balance, made by one of the best and most reliable manufacturers; capacity 100 grammes, sensitive to one-twentieth of a milligramme. Never been used. Regular price, \$60. Will sell for \$40. Address, A. P. Nichols, 41 Summer Street, North Hill, Mass.

Museum of Hamline University desires to exchange Marine Shells, preserved alcoholic material of marine zoology, or microscopic slides for zoological specimens from southern and western United States, especially for rodents in the flesh. Correspondence solicited. Address Henry L. Osborn, Biological Laboratory of Hamline University, St. Paul, Minnesota.

For Sale.—Small collection of fine first-class sets of birds' eggs; single breech-loading shotgun, gold-filled hunting-case watch and telescope. Write for list of eggs and particulars. B. S. Bowditch, Phelps, N. Y.

I am desirous of obtaining the following back numbers of *The Auk*: One copy each of Oct., 1885; July, 1886; January, 1887; July, 1887; April and July, 1891 and two copies each of the following: January, 1886; Oct., 1887; July, 1888; January, 1889; January, 1890. My own contributions in them only are required; otherwise the copies need not be perfect. I have in exchange for them two vols. (zoology) Mex. Locality Surveys, col. plates) or complete set of English reprints of "Osteology of Arctic Water-Birds, etc." (6 parts, 24 lith. plates); or other rare scientific reprints of any subject required. Address Dr. Shufeldt, Takoma, D. C.

## Wants.

Wanted.—Sachs's Text-book of Botany, 2nd English edition. Dr. Alfred C. Stokes, 527 Monmouth Street, Trenton, New Jersey.

WANTED to exchange for human bones or recent medical text-books, the following books: "Metallurgy of Silver," M. Bissler, 1889; "Practical Treatise on Petroleum," by Benj. J. Crewe, 1887; "Cook's Chemical Philosophy," 1883; "Cairn's Chemical Analysis," 1881; "Wagner's Chemical Technology," by Crookes, 1886; "Fresenius's Qual. Chem. Analysis," 1879; "Elementary Treatise on Practical Chemistry and Qual. Analysis," Clowes, 1881; bound Vols. 1 to 12 of Dr. Lardner's "Museum of Science and Art" (very rare, 1854; back numbers of "Electrical World," beautiful specimens of Pyrite Incrustations from Cretaceous of New Jersey; Magnetis Iron Ore, Highly Polarized. Address D. T. Marshall, Metuchen, N. J.

WANTED.—Books or information on the microscopical determination of blood and hair. Also reports of cases where hair has played an important part in the identification of an individual. Address Maurice Reiker, 206 N. First Ave., Marshalltown, Iowa.

A GEOLOGIST thoroughly conversant with the geology of the Southern States desires an engagement. Has complete knowledge of the economic geology of Iron, Coal, Lignite, as well as Clay and Kaolin. Five years' experience with Geological Surveys. Address K., 509 West Sixth Street, Austin, Texas.

WANTED.—Tuckerman's Geneva Lichenum and Carpenter on the Microscope, Wiley's Introduction to the Study of Lichens. State price and other particulars. Richard Lees, Brampton, Ont.

## SOME OF THE NEW BOOKS AT LOW PRICES.

### FAMOUS VOYAGERS AND EXPLORERS.—\$1.50.

MRS. BOLTON has added to her *Famous* series of books another and an unusually interesting volume, "Famous Voyagers and Explorers." It is hardly comprehensive, as it gives the biographies of only a few typical explorers—Marco Polo, Columbus, Magellan, Raleigh, and the more prominent of our modern American explorers. Doubtless such names as the Cabots, Sir Humphrey Gilbert, De Soto, Cartier, Nansen and others are reserved for a second volume. Mrs. Bolton has a gift for this sort of writing, and she has here brought together a large amount of deeply interesting matter which otherwise could only be obtained by reading through a dozen or more separate volumes. The book is illustrated with several portraits.—*Boston Transcript*.

### OUR GREAT WEST.—\$2.50.

THE contents of the volume appeared serially in *Harper's Magazine* and *Harper's Weekly*, in which periodicals they attracted wide attention and favorable comment. Their importance fully justified their republication in a more permanent form. The book affords a more minute insight into the present condition of the West than can be found elsewhere. What it tells is the result of personal experience, fortified by information obtained from the best-informed and most reliable men in the localities under discussion, and set forth with admirable clearness and impartiality. It is a work to be read and pondered by those interested in the growth of the nation westward, and is of permanent standard value.—*Boston Gazette*.

### STATESMEN.—\$2.00.

IN the preparation of this work Noah Brooks has aimed to present a series of character sketches of the eminent persons selected for portraiture. The object is to place before the present generation of Americans salient points in the careers of public men whose attainments in statesmanship were the result of their own individual exertions and force of character rather than of fortunate circumstances. Therefore these brief studies are not biographies. Mr. Brooks had the good fortune of personal acquaintance with most of the statesmen of the latter part of the period illustrated by his pen, and he considers it an advantage to his readers that they may thus receive from him some of the impressions which these conspicuous personages made upon the mental vision of those who heard and saw them while they were living examples of nobility of aim and success of achievement in American statesmanship.

### MEN OF BUSINESS.—\$2.00.

W. O. STODDARD, who has just written a book published by the Scribners, on "Men of Business," tells

how the late Senator Stanford chopped his way to the law. "He had grown tall and strong," says Mr. Stoddard, "and was a capital hand in a hay-field, behind a plough, or with an axe in the timber; but how could this help him into his chosen profession? Nevertheless it was a feat of wood-chopping which raised him to the bar. When he was eighteen years of age his father purchased a tract of woodland; wished to clear it, but had not the means to do so. At the same time he was anxious to give his son a lift. He told Leand, therefore, that he could have all he could make from the timber, if he would leave the land clear of trees. Leand took the offer, for a new market had latterly been created for cord-wood. He had saved money enough to hire other choppers to help him, and he chopped for the law and his future career. Over 2,000 cords of wood were cut and sold to the Mohawk and Hudson River Railroad, and the net profit to the young contractor was \$2,600. It had been earned by severe toil, in cold and heat, and it stood for something more than dollars.—*Brooklyn Times*.

### ORTHOMETRY.—\$2.00.

IN "Orthometry" Mr. R. F. Brewer has attempted a fuller treatment of the art of versification than is to be found in the popular treatises on that subject. While the preface shows a tendency to encourage verse-making, as unnecessary as it is undesirable, the work may be regarded as useful so far as it tends to cultivate an intelligent taste for good poetry. The rhyming dictionary at the end is a new feature, which will undoubtedly commend itself to those having a use for such aids. A specially interesting chapter is that on "Poetic Trifles," in which are included the various imitations of foreign verse in English. The discussion of the sonnet, too, though failing to bring out fully the spiritual nature of this difficult verse form, is more accurate than might be expected from the following sentence: "The form of the sonnet is of Italian origin, and came into use in the fifteenth [*sic*] century, towards the end of which its construction was perfected, and its utmost melodious sweetness attained in the verse of Petrarch and Dante." In the chapter on Alliteration there are several misleading statements, such as calling "Piers the Plowman" an "Old English" poem. In the bibliography one is surprised not to find Mr. F. B. Gummere's admirable "Handbook of Poetics," now in its third edition. In spite of these and other shortcomings, which can be readily corrected in a later issue, this work may be recommended as a satisfactory treatment of the mechanics of verse. A careful reading will improve the critical faculties.—*The Dial*.

**Any of the above books will be sent prepaid on receipt of the publisher's price, less ten per cent. The same discount will be allowed on any new book, not a text-book.**

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