

instability, the peculiar combination of a kind of sentimentality with apathy,—these characteristics seem to mark the criminal in all countries; and interesting illustrations of these are to be found in Mr. Ellis's book. Apart from the interest in the facts themselves, this study is important for the analysis of the factors that cause crime. Is it biological, an atavistic reversal to outgrown habits? Is it purely the anti-social instincts coming to the front? Would not the hero of former days be regarded as a criminal to-day? Such are the questions that arise when we pass from description to analysis. In this discussion the many points of analogy between the criminal and the savage deserve especial attention. The mental and moral habits present many points of identity, and lead to the perpetuation of many customs, such as the love of tattooing, the sudden breaking-out of excessive emotions, the indulgence in orgies, and the like. There thus seems to be marked out a class of recidivists, or backsliders, who are unable to keep up with the complex requirements of modern life, and fall back into the habits of less civilized conditions.

The practical bearing of this study is unmistakable. The common prison system, with the sentence meted out for the crime and not for the criminal, is evidently unsuited to the needs of the criminal classes. If the object is to restore these unfortunates as far as possible to places in a social community, the treatment of criminals must be a far different one from that now in vogue. This sentiment is becoming more and more widely appreciated, and some important reforms have already been put into practice. Of these, the reformatory at Elmira is the most noteworthy, and receives the place of honor in Mr. Ellis's chapter. Here, under the indeterminate sentence law, a prisoner works out his own release, and is prepared, by a carefully planned system of physical, mental, and moral training, to fit himself for citizenship. The whole man is considered, and the ideal is as different from the notion of

punishment for the crime as it well can be. And this system is avowedly based upon the anthropological and psychological analysis of the criminal character. Practice necessarily hobbles along after theory, but it is certainly high time that the discrepancy between scientific knowledge and legal practice be reduced.

In addition to the aspects of the criminal here lightly touched upon, Mr. Ellis gives very interesting illustrations of less typical points, such as their peculiar slang, their literary productions, prison inscriptions, prisoners' views of life and religion, and the statement of the case from the criminal's point of view. The volume thus fills a real need, and may be recommended to all who have an interest in one or other of the many aspects of this important study.

AMONG THE PUBLISHERS.

THE Religious Tract Society, London, announce for immediate publication through their American agent, Mr. Fleming H. Revell of New York and Chicago, the following: "London Pictures," being the last addition to the popular Pen and Pencil Series; a new book by Sir J. William Dawson, entitled "Modern Ideas of Evolution as related to Revelation and Science," "Home Handicrafts," by Charles Peters, editor of "The Girls' Own Indoor Book," etc.; and "Stanley's African Expeditions."

—The first number of the *Annals of the American Academy of Social and Political Science*, a new review of politics and economics, will shortly appear in Philadelphia. It will contain, among other articles, one on "Politics in Canada and the United States," by Dr. Bourinot; another on "Decay of Local Government in America," by Professor Patten; and a third on "Cheaper Railroad-Fares," by J. J. Wetherell. The *Annals* is the organ of

Publications received at Editor's Office, June 9-14.

- ABEL, W. J. School Hygiene. London and New York, Longmans, Green, & Co. 53 p. 12°. 30 cents.
- BEARD, W. S. Longmans' Junior School Algebra. New York and London, Longmans, Green, & Co. 220 p. 12°. 60 cents.
- CHISHOLM, G. G. A Smaller Commercial Geography. London and New York, Longmans, Green, & Co. 208 p. 12°. 90 cents.
- CONNECTICUT State Board of Health, Twelfth Annual Report of the, for the Year ending Nov. 30, 1889, with the Registration Report for 1888. New Haven, State. 195 p. 8°.
- DE GUIMPS, R. Pestalozzi: His Life and Work. Tr. by J. Russell, B.A. New York, Appleton. 438 p. 12°. \$1.50.
- NEW JERSEY Geological Survey. Annual Report of the State Geologist for the Year 1889. Camden, F. F. Patterson, Pr. 112 p. 8°.
- OTT, I. Fever, Thermotaxis, and Calorimetry of Malarial Fever. New York, Journ. Mental and Nervous Disease. 54 p. 8°.
- THORNTON, J. Advanced Physiography. London and New York, Longmans, Green, & Co. 338 p. 12°. \$1.40.
- UNWIN, W. C. The Elements of Machine Design. Part I. General Principles, Fastenings, and Transmissive Machinery. 11th ed. London and New York, Longmans, Green, & Co. 459 p. 16°. \$2.
- WESTBROOK, R. B. A Few Plain Words regarding Church Taxation. 2d ed. Philadelphia, Lippincott. 15 p. 12°.
- An Open Letter to Hon. Edward M. Paxson, Chief-Justice of Pennsylvania. Philadelphia, Lippincott. 36 p. 12°.

Old and Rare Books.

Back numbers Atlantic, Century, Harper, and Scribner, 10 cents per copy, other magazines equally low. Send for a catalogue.

A. S. CLARK,

Bookseller,

34 Park Row, New York City.

BACK NUMBERS and complete sets of leading Magazines. Rates low. AM. MAG. EXCHANGE, Schoharie, N.Y.

PRACTICAL ELECTRICAL NOTES AND DEFINITIONS.

For the use of engineering students and practical men by W. P. MAYCOCK, together with Rules and Regulations to be observed in Electrical Installation Work, with diagrams. 180 pages, 32mo, cloth, 60 cts. E. & F. N. SPON, 12 Cortlandt St., New York.

HEAVEN AND HELL. 416 p., paper. DIVINE LOVE AND WISDOM. 383 p., paper. By EMANUEL SWEDENBORG. Mailed, prepaid, for 14 cents each (or 25 cents for both), by the American Swedenborg P. and P. Society, 20 Cooper Union, N.Y. City.

BOOKS

50,000 vols. of ancient and modern rare and scarce books offered for sale. Send for books tried to obtain elsewhere without success. American, British, German and French Books. Catalogues mailed free to Bookbuyers. C. N. CASPAR, Book Emporium 437 E. W. St., Milwaukee

CHEMICAL BOOKS FOR SALE.

ANALYST, London (1887-89, July and November of 1888 missing) 1.80
SUGAR CANE, Manchester (1881-83, 1885-86, also numbers of 1884, 1887, and 1888) 2.40
ZEITSCHRIFT Rubenzuckerindustrie Stammer (1885-86, part of 1887) 1.20
ZEITSCHRIFT Rubenzuckerindustrie Schublers (Vols. xiv.-xvii. inclusive), complete, 2.40
Any of the above will be sent postpaid on receipt of price.

SCIENCE BOOK AGENCY,
47 Lafayette Place, New York.

BOOKS: How to Exchange them for others. Send a postal to the SCIENCE exchange column (insertion free), stating briefly what you want to exchange. SCIENCE, 47 Lafayette Place, New York.

BOOKS: How to Sell them. Send a list, stating condition, edition, etc., to Science Book Agency, 47 Lafayette Place, New York.

THE WINNIPEG COUNTRY;

OR,

ROUGHING IT WITH AN ECLIPSE PARTY.

BY

A. ROCHESTER FELLOW.

(S. H. SCUDDER.)

With thirty-two Illustrations and a Map.
12°. \$1.50.

"The story is a piquant, good-humored, entertaining narrative of a canoe voyage. A neater, prettier book is seldom seen."—*Literary World*.

"This is a sprightly narrative of personal incident. The book will be a pleasant reminder to many of rough experiences on a frontier which is rapidly receding."—*Boston Transcript*.

"The picture of our desolate North-western territory twenty-five years ago, in contrast with its civilized aspect to-day, and the pleasant features of the writer's style, constitute the claims of his little book to present attention."—*The Dial*.

N. D. C. HODGES, PUBLISHER,

47 LAFAYETTE PLACE, NEW YORK

THIRD EDITION.

THE FAULTS OF SPEECH

BY

A. MELVILLE BELL,

Author of "Visible Speech," etc., etc.

The Faults of Speech is a Self-Corrector and Teacher's Manual, for the removal of all Impediments and Defects of Articulation.

60 Cents.

. Sent postpaid on receipt of price,

N. D. C. HODGES, 47 Lafayette Place,
NEW YORK.

the American Academy of Political and Social Science, and will appear quarterly.

—*The Chautauquan* for July presents among its contents "Summer Health: How to keep It," by Felix Oswald, M.D.; "The Newer Parts of Canada," by Cyrus C. Adams; "The House of Representatives," by Eugene L. Didier; "Altruism and the Leprosy," by Frances Albert Doughty; "How to conduct a Round Table," by Edward E. Hale; "What Women should wear," by Mary S. Torrey; "Homesteads for Women," by Kate Carnes; "Madam Blavatsky," by Frances E. Willard; and "New Birds for the House," by Olive Thorne Miller.

—President Jordan of the University of Indiana will contribute to the July *Popular Science Monthly* an article on "Evolution and the Distribution of Animals," in which he shows what bearing the fact of certain animals being found or not found in certain localities has on the origin of species. The ninth of Dr. Andrew D. White's new chapters in the "Warfare of Science" will be published in the same number. Its subject is "The Antiquity of Man and Prehistoric Archaeology;" and it tells how step by step "thunder-stones," or "heaven axes," came to be recognized as flint implements of human make, and how their discovery, together with bones of men and of extinct animals in the drift, established the very early appearance of man upon the earth. This number will also contain an article by August Weismann on "The Musical Sense in Animals and Men," in which he argues, that, "as man possessed musical hearing-organs before he made music, those organs did not reach their present high development through practice in music;" and an article entitled "Concerning Corporation Law," by Amos G. Warner. This last points out the

main defects in the hotchpotch of laws regarding corporations in the United States, and gives four particulars in which our corporation law could be reformed so as to prevent frauds and secure greater responsibility.

—In the July issue of the *Quarterly Journal of Economics* (published for Harvard University by George H. Ellis, Boston), H. Higgs of London will write on Frédéric Le Play, the French social writer and reformer, and will give a specimen of that writer's monographs on workmen's lives. Horace White of New York will discuss the silver situation with reference to pending legislation, and F. B. Hawley will write on the "Residual Theory of Distribution." Edward Cummings, holder of the Paine Fellowship of Harvard University, will have an article on "Co-operative Production in France and England," giving an account, among other matters, of the extraordinary mismanagement of the legacy left by Benjamin Rampal to the city of Paris for the purpose of aiding co-operation. There will be notes by Thomas L. Greene of New York on changes in the form of railway capital, with special reference to the growing use of income bonds; by T. E. Jevons, on the "Mathematical Treatment of the Theory of Distribution;" and by A. C. Miller of Harvard University, on the "Recent Conversion of the English Debt from 3 to 2½ Per Cent Interest." The number will contain the usual general notes and memoranda, and list of recent economic publications.

—Messrs. Ginn & Co. announce a revised edition of the "Hand Book of Latin Writing," by Preble & Parker. The revision extends to almost every page, and includes the results of five years' experience with the book, and of the growth of composition study at Harvard.

A New Method of Treating Disease.

HOSPITAL REMEDIES.

What are they? There is a new departure in the treatment of disease. It consists in the collection of the specifics used by noted specialists of Europe and America, and bringing them within the reach of all. For instance, the treatment pursued by special physicians who treat indigestion, stomach and liver troubles only, was obtained and prepared. The treatment of other physicians celebrated for curing catarrh was procured, and so on till these incomparable cures now include disease of the lungs, kidneys, female weakness, rheumatism and nervous debility.

This new method of "one remedy for one disease" must appeal to the common sense of all sufferers, many of whom have experienced the ill effects, and thoroughly realize the absurdity of the claims of Patent Medicines which are guaranteed to cure every ill out of a single bottle, and the use of which, as statistics prove, *has ruined more stomachs than alcohol*. A circular describing these new remedies is sent free on receipt of stamp to pay postage by Hospital Remedy Company, Toronto, Canada, sole proprietors.

A TEMPORARY BINDER

for *Science* is now ready, and will be mailed postpaid on receipt of 75 cents.



This binder is strong, durable and elegant, has gilt side-title, and allows the opening of the pages perfectly flat. Any number can be taken out or replaced without disturbing the others, and the papers are not mutilated for subsequent permanent binding. Filed in this binder, *Science* is always convenient for reference.

N. D. C. HODGES,
47 Lafayette Place, N. Y.

BOOKS: How to get them. If there is any book or pamphlet that you want, write to the Science Book Agency, 47 Lafayette Place, New York.



DO YOU INTEND TO BUILD?

We offer an Atlas of **Sensible Low Cost Houses**, a portfolio 11x14 inches, containing **handsome illustrations**, floor plans, and full descriptions of this popular design, and fifty-four others, ranging in cost from \$800 to \$7,200. This specimen design is for a cottage with seven rooms, and costing \$1,100. It combines beauty and comfort, has two large porches, and is a popular and practical working design, having been built several times for its estimated cost.

No matter what style of a house you may intend to build, it will pay you to have this book.

We will send this Atlas, postpaid, on receipt of price, \$1.—N. D. C. Hodges, 47 Lafayette Place, New York.

At Siasconset, Nantucket Island, 36 FURNISHED COTTAGES.

\$120 TO \$275 THE SEASON.

Ocean views; surf bathing; no hot days, malaria or mosquitoes. Circulars.

DOUBLEDAY,

39 Ann Street, New York.

RUPTURE

cured in stipulated time.

NO DELAY FROM WORK. NO OPERATION.

Call or send stamp for circular and reference of those cured. We have on hand over 300 styles of trusses, from \$1 up, and suspensories of all kinds. Orders filled by mail or express to any part of the United States.

C. A. M. BURNHAM, M.D.,
138 Clinton Place, New York.

Readers of Science

Corresponding with or visiting Advertisers, will confer a great favor by mentioning this paper.

CATARRH

Catarrhal Deafness—Hay Fever.

A NEW HOME TREATMENT.

Sufferers are not generally aware that these diseases are contagious, or that they are due to the presence of living parasites in the lining membrane of the nose and eustachian tubes. Microscopic research, however, has proved this to be a fact, and the result of this discovery is that a simple remedy has been formulated whereby catarrh, catarrhal deafness and hay fever are permanently cured in from one to three simple applications made at home by the patient once in two weeks.

N.B.—This treatment is not a snuff or an ointment; both have been discarded by reputable physicians as injurious. A pamphlet explaining this new treatment is sent free on receipt of stamp to pay postage, by A. H. Dixon & Son, 337 and 339 West King Street, Toronto, Canada.—*Christian Advocate*.

Sufferers from Catarrhal troubles should carefully read the above.

GEMS AND PRECIOUS STONES OF NORTH AMERICA:

A popular description of their occurrence, value, history, archæology, and of the collections in which they exist; also a chapter on pearls, and on remarkable foreign gems owned in the United States. By GEORGE FREDERICK KUNZ. Illustrated with eight colored plates and numerous engravings. Price, \$10.

Mr. Kunz, who is well known as an authority upon the subject of gem stones, and who is the expert for Tiffany & Co., possesses peculiar facilities for the preparation of a work of this kind.

Sent postpaid on receipt of price.

N. D. C. HODGES, 47 Lafayette Pl., N. Y.

JUST PUBLISHED.

POPULAR MANUAL OF VISIBLE SPEECH AND VOCAL PHYSIOLOGY.

For use in Colleges and Normal Schools. Price 50 cents. Sent free by post by

N. D. C. HODGES, 47 Lafayette Place, New York