objections, therefore, some of its special tenets may evoke, its importance as a firsthand investigation, and the weight consequently due to its utterances, cannot be underrated

But, while written by a specialist, the discussion is not exclusively anthropological and ethnological. The physical, historical, cultural, and psychological factors of social evolution receive the same emphasis of consideration as the biological and sociological proper.

We shall briefly indicate Dr. Topinard's central view.

To begin with, anthropology, supposing it not to concern itself with societies, discovers in man an animal only; man is in his primitive stage perforce subjective, and by a rigorous natural logic egocentric; the law of self-preservation, as determining his conduct, both towards nature and his fellow-animals, is paramount with him. Sociologically considered, therefore, man's animality, man's primitive and inherited egocentrism, is the primal source of all the difficulties that arise in society, the arch-enemy to be combated. And this contradiction, apparent or real, between the individual and society, between the social evolution as it actually is and the social evolution as we should like it to be, constitutes the problem to be elucidated. How has man been changed from an egocentric to a sociocentric animal? By what ideas? By what forms of reasoned conduct? By what organised impulses? By what forms of evolution, natural and artificial? And finally, what norm does the past furnish us for guidance in the future?

A glance at the Table of Contents will show the reader the manner in which Dr. Topinard has endeavored to solve this problem. Man as an animal, the factors and conditions of evolution, the animal family, animal and human societies the human family, political and religious evolution, social evolution proper, the high rôle of ideas in progress, the functions of the State and of education in shaping conduct, are successively considered. We would call especial attention to the pages which deal with the evolution and differentiation of the ego, in all its multitudinous forms. Here lies the key to the situation; and the results of modern biological and psychological research on this subject Dr. Topinard has exploited to the full. The analysis of the ego, so called, furnishes the mechanism of establishing right conduct. Right conduct is originally to be based upon right reasoning, upon an adequate and comprehensive consideration, both from the individual and social point of view, of the determinative facts involved. For the purposes of practice, that reasoning is to be consolidated into fixed and automatic habits: the individual must, so to speak, be de-individualised, or rather, super-individualised; altruism, in the form of the maxim of Christ, "Love ye one another," and as a species of differentiated and enlarged egoism, is the basis of his system, habits and social instincts are the means. In a word, a rationally and socio-centrically acquired ego, mechanical in its habits and super-individual in its impulses, is to be substituted for the primordial, self seeking animal ego. This has been the method by which, in all history, right conduct has been secured; and modern psychology has found the mechanism of this method of education to harmonise with the results of its purely scientific analysis of the human soul. T. J. McC.

#### BOOK REVIEWS AND NOTES.

Auswahl aus Luthers deutschen Schriften. Edited with introduction and notes, by W. H. Curruth, Professor of German Language and Literature in

the University of Kansas. Pages, lxxxii and 362. Ginn and Company, Boston.

The readers of *The Open Court* will not be unfamiliar with the name of Professor Carruth in connection with that of Luther. He has translated for us certain of the great reformer's writings, which seem to us to have still a strong interest for the modern world, and his work has always been marked by elegance and accuracy

The present volume is not restricted by the consideration of vital current interest in the subjects, but endeavors to furnish a representative selection from the most important of Luther's writings: the great reformatory essays, those on education, on usury, and against Hans Worst, the fables, the hymns, the table-talk, the letters, and some chapters from both the Old and New Testaments, It is doubtless true, as the editor remarks, that "there is no other German writer whose work is so much praised and so little read by foreigners as Martin Luther's." It is the hope of editor and publisher that this volume will make some of Luther's best writings so accessible that the remark may be at least less true. While the text here given is essentially that of the original manuscript or first edition, the capitalisation, the punctuation, and, in a conservative way, the orthography, have been modernised. While the stricter sort of philologist may find some fault with this proceeding, it will certainly be appreciated by the much larger number of students whose chief interest lies in the thought, the vocabulary, and the style, all of which are faithfully reproduced. The book may be used with pleasure and profit by the large number of Germans who have never read anything of Luther's in the original form except the Bible and a few hymns, and also by advanced college classes in German and in the history of the Reformation.

The editor has supplied the volume with a condensed account of Luther's language and of his entire literary output in German, as well as with some fifty pages of notes on the grammatical and historical difficulties.

The history of the origin of Christianity admits of being approached from a variety of points of view, each of which in its sphere is perfectly legitimate and productive of its own special illumination. In his Preparation for Christianity in the Ancient World, written for a young peoples' organisation of the Church of Scotland, Dr. R. M. Wenley, the popular professor of philosophy in the University of Michigan, has followed the traditional lines, and based his development of his subject upon a consideration of the social, spiritual and intellectual conditions of three nations only—Greece, Judaea and Rome. He has written an eloquent book, marked by fine powers of description and by a breadth and sympathy which are uncommon in this field. Yet we could wish he had not limited his ken to the classical and Hebrew civilisations alone, but had extended it also to that seething cauldron of religious fermentation which bubbled for centuries in Western Asia and the subtle emanations of which in time saturated the entire spiritual fabric of the Roman Empire, and prepared the way for the absorption, and more than that, the transformation, of the new doctrines. Christianity did indeed enter, as Professor Wenley says, upon a "spiritually bankrupt heritage," "a spiritual impotence curable by Christianity alone" in the Roman Empire, but it is to be remembered that the same bankruptcy and impotence endured in a far greater measure contemporaneously with Christianity for ages, -ages which differed from those preceding

<sup>1</sup> The Preparation for Christianity in the Ancient World. A Study in the History of Moral Development. By R. M. Wenley, Sc. D. (Edin.), D. Phil. (Glas.) New York, Chicago, and Toronto: Fleming, H. Revell Company. 1898. Pages, 194. Price, 75 cents.

only in that savagery and rapine replaced the softer and more artistic vices of civilisation. So also, that vast and homogeneous unity of peoples and organisation which was prepared, as Professor Wenley says, "for its reception under the very striking providence of God," Christianity did not owe to Providence, but to Rome. This may be only a different way of saying the same thing, but by the one way there hangs a tail and by the other none. Finally, Professor Wenley has supplied a very practical moral to the purely secular results to which his vivid and picturesque review of aucient history has led him, and he has thus made his book one which will find a devout echo in the heart of every believer. He says:

"The kingdom of Jesus bore the stamp of a universality which that of Rome served but to foreshadow, and this in a half-world; His doctrines find final justification in His life as the highest and best possible for a human being; His revelation left nothing still to be revealed. And when we tend to doubt Him as, pressed by unfamiliar circumstances, we still sometimes do, we have but to turn back to the Preparation to see there our own situation and its inevitable consequences. Sometimes, in access of knowledge, we would win salvation by reason; if so, the despair of the Greek awaits us. Sometimes, elated by sense of work well done, we deem ourselves of the elect; then let us con the fate of the Jew. Most often, in our newly-acquired dominion over the earth's forces, we tend to see in nature and mechanical cause adequate explanation of spiritual life; here we have the end of the old Roman world—power without insight—for our teacher. We may not, because we cannot, go beyond Christ's own statement of the meaning to be attached to past history and to present opportunity: 'All that which the Father giveth me shall come unto me; and him that cometh unto me I will in nowise cast out.'"

There are some really ingenious conceptions broached in Thorstein Veblen's The Theory of the Leisure Class, and the independent thinker will find in its pages no lack of stimulus to reflexion on social topics. In Mr. Veblen's theory, the institution of the leisure class began with war and hunting, and with the discrimination between worthy and unworthy employments, in which the elements of uselessness and exploit were largely determinative. At this stage, "aggression was the accredited form of action;" and the taking of life, human or animal, was far excellence the "honorific" profession. As civilisation advanced, pecuniary emulation, or the collection of dollars, took the place of the collection of scalps; and the unremitting demonstration of ability to pay superseded the unremitting demonstration of ability to kill. Conspicuous consumption was the concomitant of conspicuous leisure, and there followed retinues of useless servants, wardrobes of useless clothing, schemes of useless habits, the pursuit of useless studies, in short everything that makes for inefficiency and gives evidence of exemption from the necessity to labor and of one's ability to waste one's time and substance,-from the performance of the highest offices of State and Church down to the abolition of so harmless and primordial an adornment of the human person as whiskers. There is a grim humor percolating through the interstices of Mr. Veblen's book, of which the author himself is perhaps not fully aware, but which certainly enhances the intrinsic interest of the work The chapters on The Conservation of Archaic Traits, Modern Survivals of Prowess, The Belief in Luck, Devout Observances, and Survivals of the Non-Invidious Interest, are excellent. The motifs of his arguments are sometimes too strongly and persistently emphasised, and many extenuating points of view are

1 The Theory of the Leisure Class. An Economic Study in the Evolution of Institutions. By Thorstein Veblen. New York and London: The Macmillan Co. 1899, Pp., vi+400, Price, \$2,00.

neglected. In his terminology Mr. Veblen has made some happy selections and inventions, and thus given consistency to his thought as well as to his expression. But there is at times a harshness and strangeness in his style that is quite striking, and incline us to believe that the cultivation of literary form and of purity of speech is not altogether a "honorific" pursuit or mere evidence of reputability, as Mr. Veblen would seem to think.

Dr. Jenkin Lloyd Jones, the genial pastor of All Souls' Church, Chicago, has collected into a prepossessing volume called Jess 1 a number of his sermons—"sermons found out of doors during the occupied vacancies miscalled 'vacations,'" and penned "in the hope of quickening a love for Nature in her everyday and near aspects . . . , and emphasising thereby the Religion which includes all those that love and serve." The opening sermon, from which the book derives its title, is a delightfully conceived apotheosis of a gentle and high-spirited mare, "Jess," who carried Mr. Jones on her back, both physically and intellectually, for four years, and inspired in him the noble and poetical thoughts contained in this volume. In Mr. Jones's gospel, to have known a good horse is a liberal education. This keynote of universal sympathy runs through the entire book, which does not contain an uninteresting page. The titles of the sermons are: "Jess"; "Realising Life"; "A Dinner of Herbs"; "A Quest for the Unattainable"; "The River of Life"; "Earth's Fulness"; "Spiritual Values of Country and City"; "The Religion of the Bird's Nest"; "Near to the Heart of Nature"; "The Peace of God"; and "The Uplands of the Spirit."

Persons of a mediæval cast of mind will be charmed by the announcement that Mr. Yarmo Vedra has recently published a Heliocentric Astrology or Essentials of Astronomy and Solar Mentality, With Tables of Ephemeris to 1910, containing sixty-four refulgent half-tone illustrations of planets, stars, charts and diagrams, thirty-five of which are actually original drawings by Holmes W. Merton, the distinguished author of Descriptive Mentality. The volume is packed with hieroglyphics and mysterious esoteric signs, the function of which is to unlock the secrets of one's entire individual, social, and industrial destiny merely from a knowledge of the date of one's birth. It should also be mentioned, en passant, and for the special benefit of the astronomic world, that the book contains the "Harmonies, Chords, and Contrasts of the Vital forces of the Solar System." A few illustrations from classical mythology are the one redeeming feature of the book, which will be consulted by no serious person except such as are righteously curious to know the complexion of a dark and defunct, but withal harmless, art. (Philadelphia: David McKay. Price, \$1.50.)

Under the title *Voices of Doubt and Trust*, Volney Streamer, who is the pseudonymic *alter ego* of Mr. George Iles, has collected all "such candid expressions of a Soul's search for Truth, ranging from the darkness of hopeless Doubt to that radiance that fills the heart in sublimest Trust" as have come within his wide and special range of reading on religious subjects. The selections are from the foremost poetical, belletristical and scientific authors of modern times, and certainly embrace a comprehensive sphere of thought. Not only are the pleadings of such great seekers for truth as Shakespeare, Milton, Dryden, George Eliot, Emer-

<sup>1</sup> Yess. Bits of Wayside Gospel. By Jenkin Lloyd Jones. New York and London: The Macmillan Company. 1899. Pages, 312. Price, \$1.50.

son, Tennyson and Longfellow recorded, but the sometimes not less beautiful utterances of minor authors, which lie hidden in scores of scattered publications and are not as widely known as they deserve to be. (New York: Brentano's. 1897. Pages, xxi+215.)

The latest issue of the "Nuggets" Series, published by Fords, Howard, and Hulbert, New York, consists of selections from the writings of Carlyle, Amiel Ruskin, and Charles Kingsley. The nuggets have been "gathered" by Jeanne G Pennington. The title of this attractive little volume is *Philosophic Nuggets*; we should have preferred the title, *Wisdom Nuggets*, as the selections are not exactly philosophical in the technical sense. The selections have been well made, and are excellently adapted to perusal in odd moments. (Price, 40 cents).

Dr. Jerome A. Anderson has attacked the problem of after-life in a little volume on The Evidence of Immortality, which has been issued in San Francisco from the press of the Lotus Publishing Company. A book which begins with a chapter on "The Exaggerated Importance of Thought" is not, in our opinion, entitled to be regarded as an important contribution to the subject, as it implies a misunderstanding of the very nature of the problem. The soul, in Dr. Anderson's theory, is a unit of consciousness; and since the nature of unity, according to Dr. Anderson, is incomprehensible (!) it would follow that the soul also is unintelligible. That one divided by one gives one, not one half, is an inscrutable mystery to Dr. Anderson as is also the fact that once one is one, and not two. The argumentation, from a Boætian point of view, is excellent. (Price, \$1 00.)

Prof. Henri Lichtenberger, of the University of Nancy, is an indefatigable Nietzsche scholar and he has now added to his recent appreciative study of the German dreamer's philosophy a collection of Aphorisms and Selected Fragments from Nietzsche.<sup>1</sup> Professor Lichtenberger has written a critical and biographical introduction to the Aphorisms, in which he rates Nietzsche higher as a personality than as a thinker, and expresses the belief that one can enjoy the reading of Nietzsche without necessarily sharing his convictions. The little book, which is cheap, will serve many as a substitute for Nietzsche's voluminous Collected Works, and will be easier reading.

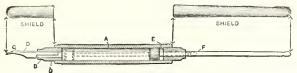
Roman Catholic students will hear with satisfaction of the completion of the fourth volume of a Course of Philosophy by Dr. D. Mercier, director of the department of advanced philosophy in the Catholic University of Louvain. The title of the volume is Critériologie générale ou théorie générale de la Certitude.<sup>2</sup> By "criteriology," Dr. Mercier understands epistemology, the analytics of Aristotle, and the transcendental analytics of Kant, i. e., real logic as distinguished from formal logic. The book is a learned one, and shows a wide acquaintance with the history of philosophy, especially ancient and mediæval, the author adhering in the main to the views of Aristotle and Thomas Aquinas. The former volumes of the course were entitled respectively: Logic, Notions of Ontology, and Psychology. A fifth volume on the History of Philosophy, by M. De Wulf, a colleague of Dr. Mercier, is announced.

T. J. McC.

1 Friedrich Nietzsche: Aphorismes et fragments choisis. By Henri Lichtenberger. Paris: Félix Alcan, 108 Boulevard Saint Germain. 1899. Pages, xxxii, 181. Price, 2 fr. 50.

2 Paris : Félix Alcan, 108 Boulevard Saint-Germain. 1899. Pages, xii, 371. Price, 6 francs.

SELF=FILLING SELF=CLEANING SIMPLICITY DURABILITY RELIABILITY NO LEAKING



A. Barrel; B. Nozzle; C. Pen; D. Feed; E. Plunger; F. Rod.

There are many pens on the market. Some have been sold for years and are very popular, but we venture to say that no pen manufactured has received such testimonials in all the years they have been before the public as the Post can show for a few months. The reason for this is not far to seek. The Post is ahead of any other pen manufactured because of its self-filling and self-cleaning features. But in praise of the pen we want to "let others speak." We submit here testimonials from some of the most prominent men in the country.

#### READ CAREFULLY THESE TESTIMONIALS

GENERAL LEW WALLACE, the author of the greatest book of the age, Ben Hur, also The Prince of India, says: "I have tried every pen of its kind on the market and now unhesitatingly give the preference to the Post. It not only feeds itself with less care, but has the immeasurable advantage of re-supply without inking the fingers. I do all my work with it."

IRA D. SANKEY sends the following characteristic letter: "I have used the Post pen for some time and have had great satisfaction with its use. It never fails or gets cranky. One can at least have clean hands by using the Post, whatever the heart may be."

A testimonial from the late HON. ROSWELL P. FLOWER was worth a great deal and we value very highly the accompanying testimonial, which he sent us in his own handwriting a short time before his death. "This is written with the Post, a new fountain pen, the simplest and best I have ever seen."

DR. LYMAN ABBOTT, the editor of the "Outlook," and former pastor of the Plymouth Church, needs no introduction. We know the full value of the beautiful testimonial which he has just forwarded and which is as follows:

"A number of years ago I had a Prince fountain pen, which went out of existence, and I was sorry for I preferred it to all others for the reason that it had no filler. Your "Post" self-filling fountain pen has the advantage of the Prince, and one which it did not possess, namely, greater simplicity. To me it is a greater advantage to have a fountain pen which requires no filler and can be filled at any time, and at any inkstand, without the possibility of inky fingers or blotted paper or desk.

"Enclosed please find my check for \$3.00 for the pen received, which I cordially recommend. It will be found especially convenient for travelers."

COLONEL HERRICK, of Cleveland, O., says: "Recently I became possessed of a Post fountain pen, which I am pleased to commend as in every way a perfect pen, simple in its mechanism, durable, perfectly tight and responding readily. It has fully answered my expectations and is a source of much comfort to me."

HON. LUTHER LAFLIN MILLS, the celebrated criminal lawyer and eminent orator of Chicago, writes as follows: "Your Post fountain pen is the best I have ever used, simple, reliable, durable, and I thank you for having brought it to my notice."

### THE POST FOUNTAIN PEN

R. CAYGILL, Mgr.

## The Psychology of Reasoning

BASED ON EXPERIMENTAL RESEARCHES IN HYPNOTISM. By ALFRED BINET, Doctor of Science, Laureate of the Institute (Académie des Sciences and Académie des Sciences Morales), Director of the Laboratory of Physiological Psychology in the Sorbonne (Hautes Études).

#### Francis Galton's Commendation:

"Clear and solid, and deserves careful reading two or three times over."

—Francis Galton.

Translated from the recent second edition by Adam Gowans Whyte, B. Sc. Pages, 193. Index. Cloth, with gilt top, 75 cents (3s. 6d.).

THE OPEN COURT PUBLISHING CO., CHICAGO, St. Dearborn St.

London: Kegan Paul, Trench, Trübner & Co.

## Marvellous Birth Of the Buddhas

Translated from the Pâli

#### ALBERT J. EDMUNDS

Pages, vii + 12. Price, 25 cents.

## McVEY,

39 N. THIRTEENTH ST.,

#### PHILADELPHIA

## The International

An Illustrated Monthly Magazine

Self-Instruction Courses in Foreign Languages: Wonderfully successful new method of teaching correct pronunciation. You cannot afford to neglect informing yourself about this

**Current Words**: Gives pronunciation of new words and phrases that stump you. An exceedingly helpful department.

The descriptive articles, the fiction, the regular letters from London and Paris, the monthly review of other magazines—in short, everything in The International gives it a freshness and distinctiveness that are delightful after the sameness of the average periodical and makes it

A BRIGHT MAGAZINE FOR BRAINY PEOPLE

o cts. a copy 25 cts. a quarter 50 cts. a half year 51.00 a year 358 Dearborn St., Chicago III.

## The Religion of Science Library.

Issued bi-monthly. Yearly, \$1.50; single numbers, 15, 25, 35, 50 and 60 cents (9d., 1s. 6d. 2s., 2s. 6d., 3s.), according to size. The books are printed on good paper, from large type.

The following have already appeared in the series:

- No. 1. The Religion of Science. By Paul Carus. 25 cents (1s. 6d.).
  - Three Introductory Lectures on the Science of Thought. By F. Max Müller 25 cents (is. 6d).
  - 3. Three Lectures on the Science of Language. By F. Max Müller. 25c (is. 6d.)
  - 4. The Diseases of Personality. By TH. RIBOT. 25 cents (IS. 6d.).
  - 5. The Psychology of Attention. By Th. Ribot. 25 cents (is. 6d.).
  - 6. The Psychic Life of Micro-Organisms. By Alfred Binet 25 cents (is. 6d.).
  - 7. The Nature of the State. By Paul Carus, 15 cents (9d.).
  - 8. On Double Consciousness. By Alfred Binet. 15 cents (9d.).
  - 9. Fundamental Problems. By Paul Carus. Pages, 373. 50 cents (2s. 6d.).
  - 10. The Diseases of the Will. By Th. Ribot. 25 cents (is. 6d.).
  - 11. The Origin of Language, and The Logos Theory. By Ludwig Noiré. 15c (9d.).
  - 12. The Free Trade Struggle in England. By GEN. M. M. TRUMBULL. 25C (IS 6d.).
  - 13. Wheelbarrow on the Labor Question. 35 cents (2s.).
  - 14. The Gospel of Buddha. By Paul Carus. 35 cents (2s.)
  - 15. Primer of Philosophy. By Paul Carus. 25 cents (1s. 6d.).
  - 16. On Memory, and The Specific Energies of the Nervous System. By Prof. Ewald Hering. 15 cents (9d.).
  - 17. The Redemption of the Brahman. A Novel. By R. GARBE. 25 cents (1s. 6d.).
  - 18. An Examination of Weismannism. By G. J. Romanes. 35 cents (2s.).
  - 19. On Germinal Selection. By August Weismann. 25 cents (is. 6d.).
  - 20. Lovers Three Thousand Years Ago. By T. A. GOODWIN. (Out of Print.)
  - 21. Popular Scientific Lectures. By Ernst Mach. 50 cents (2s. 6d.).
  - 22. Ancient India: Its Language and Religions. By H. Oldenberg. 25c (1s. 6d.)
  - 23. The Prophets of Israel. By C. H. CORNILL, 25 cents (1s. 6d.).
  - 24. Homilies of Science. By Paul Carus. 35 cents (25.).
  - 25. Thoughts on Religion. By G. J. ROMANES. 50 cents (28. 6d).
  - 26. Philosophy of Ancient India. By RICHARD GARBE. 25 cents (IS. 6d.).
  - 27. Martin Luther. By Gustav Freytag. 25 cents (1s. 6d.).
  - 28. English Secularism. By George Jacob Holyoake. 25 cents (18, 6d.).
  - 29. On Orthogenesis. By Th. EIMER. 25 cents (1s. 6d.).
  - 30. Chinese Philosophy. By Paul Carus. 25 cents (1s. 6d.).
  - 31. The Lost Manuscript. By Gustav Freytag. 60 cents (3s.).
  - A Mechanico-Physiological Theory of Organic Evolution. By CARL VON Nägell. 15 cents (9d.).
  - 33. Chinese Fiction. By the Rev. George T. Candlin. 15 cents (od.).
  - 34. Mathematical Essays and Recreations. By H. Schubert. 25 cents (is. 6d.).
  - 35. The Ethical Problem. By Paul Carus. 50 cents (2s. 6d.).
  - 36. Buddhism and Its Christian Critics. By Paul Carus. 50 cents (2s. 6d.).
  - 37. Psychology for Beginners. H. M. Stanley. 20 cents (is.).
  - 38. Discourse on Method. By René Descartes. 25 cents (18. 6d.).
  - 39. The Dawn of a New Era. By Paul Carus. 15 cents (od.).

#### THE OPEN COURT PUBLISHING COMPANY.

324 DEARBORN ST., CHICAGO, ILL.

LONDON: KEGAN PAUL, TRENCH, TRÜBNER & Co.

# THE LIVING AGE

"Made up of every creature's best."

A Weekly Magazine of Contemporary Literature and Thought.

# Published Every Saturday and giving about 3500 pages a year of the

## World's Best Literature

including
Science and Art
Biography
Politics
Discovery
Public Affairs
Literary Criticism
Fiction and Poetry

## Popular, yet of Permanent Value

Indispensable to the Intelligent Reader

#### As Heretofore

THE LIVING AGE will continue to supply its readers with the Choicest of the Best, the Most Valuable Thought of the time.

## Each Weekly Number

Contains sixty-four pages, in which are given, without abridgment, the most interesting and important contributions to the periodicals of Great Britain and the Continent, from the weighty articles in the quarterlies to the light literary and social essays of the weeklies.

## All Departments

of knowledge and discussion which interest intelligent readers, with fiction and poetry, are represented in its pages.

## **Original Translations**

of striking articles from Continental sources are made expressly for the magazine by its own staff of translators.

## A Short Story

and an instalment of a serial story appear in each issue.

## A Monthly Supplement

presents readings from the most important new books, editorial notes on books and authors, and a list of the books of the month.

Published Weekly at \$6.00 a year. Single numbers 15 cts.

#### READ THIS

In order to introduce THE LIVING AGE to the readers of THE OPEN COURT not now on its subscription lists, the publishers will send the two magazines, each one year, postpaid, for \$6.10. This offer is good only to absolutely NEW SUBSCRIBERS to The Living Age.

FREE

To all NEW SUBSCRIBERS for the year 1900, remitting before Jan. 1, the weekly numbers of 1899, issued after receipt of their subscriptions, will be sent FREE.

Address THE LIVING AGE CO., P. O. Box 5206, Boston, Mass.

## Mathematical Essays and Recreations

#### By HERMANN SCHUBERT

Professor of Mathematics in the Johanneum, Hamburg, Germany.

Translated from the German by THOMAS J. McCORMACK.

Pages, 149. Cuts, 37. Price, Cloth, 75c. (3s. 6d.).

#### Contents:

Notion and Definition of Number. Monism in Arithmetic. On the Nature of Mathematical Knowledge The Magic Square.
The Fourth Dimension.
The Squaring of the Circle.

The mathematical essays and recreations in this volume are by one of the most successful teachers and text-book writers of Germany. The monistic construction of arithmetic, the systematic and organic development of all its consequences from a few thoroughly established principles, is quite foreign to the general run of American and English elementary text-books, and the first three essays of Professor Schubert will, herefore, from a logical and esthetic side, be full of suggestions for elementary mathematical teachers and sudents, as well as for non-mathematical readers.

## THE OPEN COURT PUBLISHING CO., CHICAGO, 324 Dearborn St

LONDON: Kegan Paul, Trench, Trübner & Co.

## Popular Scientific Lectures

A Portrayal of the Methods and Spirit of Science

By ERNST MACH, Professor in the University of Vienna. Translated from the German by *Thomas J. McCormack*. Third Edition. Pages, 415. An Elegant Volume. In Cloth, Gilt Top, \$1.50 net. (7s. 6d)

Lectures on Mechanics, Sound, Light, Electricity, the Conservation of Energy, Philosophy,

A

Illustrating proof of the law of the inclined plane. The whole string of balls is in equilibrium; cut away the lower part, and the balls on the sides still remain in equilibrium; hence the powers on the sides are as the number of the balls, or as the lengths.

and Education. The thoughts of the Master Minds of Science are here presented in popular form by one of its foremost living representatives.

#### Verdicts of the Press:

"A most fascinating volume, . . . has scarcely a rival in the whole realm of popular scientific writing,"—Boston Traveller.

"Truly remarkable.... May be fairly called rare." — Professor Crew, N. W. University.

"A masterly exposition."—Scotsman, Edinburgh.

"A very delightful and useful book."—Daily Picayune, New Orleans.

"Will please those who find the fairy tales of science,"more absorbing than fiction."—Pilot, Boston.

"Have all the interest of lively fiction,"— $Commercial\ Advertiser$ .

"Its literary and philosophical suggestiveness is very rich,"— Hartford Seminary Record.

Send money by post office order, express order, or in stamps.

### THE OPEN COURT PUBLISHING CO., CHICAGO, St. Dearborn St.

LONDON: Kegan Paul, Trench, Trübner & Co.

## On the Study and Difficulties of Mathematics

#### By AUGUSTUS DE MORGAN.

New corrected and annotated edition, with references to date, of the work published in 1831 by the Society for the Diffusion of Useful Knowledge. The original is now scarce.

With a fine Portrait of the great Mathematical Teacher, Complete Index, and Bibliographies of Modern Works on Algebra, the Philosophy of Mathematics, Pangeometry, etc.

Pp. viii + 288. Cloth, \$1 25 (5s.).

- "A Valuable Essay."—Prof. Jevons, in the Encyclopædia Britannica.
- "The mathematical writings of De Morgan can be commended unreservedly."—Prof. W. W. Beman, University of Michigan.
- "It is a pleasure to see such a noble work appear as such a gem of the book-maker's art."—Principal David Eugene Smith, Brockport Normal School, N. Y.
- "The republication of De Morgan's work is a service for which you should receive high commendation."—JOHN E. CLARK, New Haven, Conn.

## THE OPEN COURT PUBLISHING CO., CHICAGO, 324 Dearborn St.

LONDON: Kegan Paul, Trench, Trübner & Co.

## Lectures On Elementary Mathematics

#### By JOSEPH LOUIS LAGRANGE

Being the Course of Lectures Delivered at the École Normale, Paris, 1795

#### Translated from the French by THOMAS J. McCORMACK

With a Fine Photogravure Portrait of the Great Mathematician, Notes, Bibliographical Sketch of Lagrange, Marginal Analyses, Index, etc. Handsomely Bound in Red Cloth. Pages, 172. Price, \$1.00 net. (5s).

A Masterpiece of Mathematical Exposition First Separate Edition in English or French

- "I intend to recommend Lagrange's Lectures on Elementary Mathematics to the students of my course in the Theory of Equations, for collateral reading, and also to the teachers of elementary mathematics who attend my summer conferences on the Pedagogy of Mathematics. I trust that this valuable translation is but the forerunner of others in the same field by your house."—J. W. A. Young, Professor of Mathematics in the University of Chicago.
- "The book ought to be in the hands of every high-school teacher of mathematics in America, for the sake of getting Lagrange's point of view."—Prof. Henry Creu Northwestern University, Evanston, Ill.
- "Can we not get Lagrange before the mass of the teachers? No teacher should teach elementary mathematics who has not mastered the matter represented by this work."—L. Graham Crozier, Knoxville Tenn.
- "Teachers of elementary mathematics, who desire to improve their methods of instruction, adding richness and vitality to the subject, should read this book."—American Mathematical Monthly.

## THE OPEN COURT PUBLISHING CO., CHICAGO, St. Dearborn St.

LONDON: Kegan Paul, Trench, Trübner & Co.

## Philosophical and Psychological Portrait Series.

(Now Complete.)

Suitable for framing and hanging in public and private libraries, laboratories, seminaries, recitation and lecture rooms.

The portraits, which are II x 14 in., have been taken from the best sources, and are high-grade photogravures. The series is now complete.



HUME. (Original 11×14 in.)

PYTHAGORAS SOCRATES PLATO ARISTOTLE EPICTETUS THOMAS AQUINAS VOLTAIRE ST. AUGUSTINE AVERRHOES DUNS SCOTUS GIORDANO BRUNO ROUSSEAU HORRES DESCARTES MALEBRANCHE SCHELLING

CABAN1S MAINE DE BIRAN STUMPF BENEKE E. H. WEBER FECHNER HELMHOLTZ WUNDT HERING AUBERT

#### Philosophical:

SPINOZA LOCKE BERKELEY HUME MONTESQUIEU FEUERBACH D'ALEMBERT REID CONDILLAC DIDEROT LEIBNITZ WOLFF KANT FICHTE

Psychological MACH EXNER STEINTHAL

BAIN SULLY WARD C. L. MORGAN G. T. LADD

SCHILEIER MACHER SCHOPENHAUER HERBART LOTZE

DUGALD STEWART SIR W. HAMILTON COUS1N COMTE ROSMINI J. STUART MILL

HERBERT SPENCER

ROMANES PAUL JANET RIBOT TAINE FOUILLEE

BINET G. STANLEY HALL

#### To Subscribers:

TERMS: For the whole series (68 portraits) on regular paper, \$7.50 (35s.); on heavy Im-

perial Japanese paper, \$11.00 (50s.).

The Philosophical Series, 43 portraits, Imperial Japanese paper, \$8.75 (40s.); the same on the best plate paper, \$6.25 (30s). The Psychological Series, 25 portraits, on Imperial Japanese paper, \$5.00 (24s.), the same on the best plate paper, \$3.75 (18s.). (The higher prices in parentheses refer to foreign countries. Carriage prepaid.) Single portraits on regular paper, 25 cents.

For subscribers who may prefer not to frame the portraits, a neat portfolio will be provided at

a cost of \$1.00 additional.

On Inspection: A specimen portrait will be sent to any reader of *The Open Court* giving his or her full business and home address on condition that it be returned within two days after its receipt, if not satisfactory.

"I have received the first instalment of the series of portraits of philosophers, and am very much pleased with them."—Professor David G. Ritchie, St. Andrews, Scotland.



SPINOZA. (Original 11×14 in.)

"I congratulate you on the magnificent character of the portraits, and I feel proud to have such adornments for my lecture room."-J. J. McNulty, Professor of Philosophy in the College of the City of New York.

#### THE OPEN COURT PUBLISHING CO.,

CHICAGO, 324 Dearborn St.

## Newest Publications.

| A First Book in Organic Evolution. By Dr. D. Kerfoot Shute, Professor in the Columbian Univ. With Nine Colored Plates and Numerous Illus trations. Pp., 285. Price, \$2.00 (9s.).                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Science and Faith; or, Man as an Animal, and Man as a member of So ciety. With a Discussion of Animal Societies. By Dr. Paul Topinard Editor of the "Revue d'Anthropologie," and sometime General Secretary of the Société d'Anthropologie. Translated from the Author's Manuscript by Thomas J. McCormack. Pages, 361. Cloth, \$1.50 (7s. 6d.). |
| History of Modern Philosophy in France. With twenty-three Portraits of French Philosophers. By <i>Professor L. Lévy-Bruhl</i> , Maître de Conférences in the Sorbonne, Paris. Handsomely bound. Pages, 500. Price, \$3.00 (15s.).                                                                                                                |
| Descartes' Discourse on Method. With Portrait after the painting of                                                                                                                                                                                                                                                                              |
| Franz Hals. Pp., 86. Paper, 25c (1s. 6d.). The <i>Discourse</i> is the simplest and pleasantest introduction to philosophy that one car procure.                                                                                                                                                                                                 |
| Solomon and Solomonic Literature. By Moncure Daniel Conway, L.H.D.                                                                                                                                                                                                                                                                               |
| Portrays the evolution of the Solomonic Legend in the history of Judaism, Christianity, Hinduism, Buddhism, Parseeism, and also in ancient and modern Folklore. Pp., viii+243. Cloth, \$1.50 (6s.).                                                                                                                                              |
| The Evolution of General Ideas. By Th. Ribot, Professor in the Collège de France. Authorised Translation by Frances A. Welby. Pp., 231. Cloth, \$1.25 (5s.).                                                                                                                                                                                     |
| Elementary Illustrations of the Differential and Integral Calculus. By  Augustus De Morgan. Handsome new reprint edition. Red cloth.                                                                                                                                                                                                             |
| rigustus De Morgan. Trandsome new reprint edition. Ned Cloth.                                                                                                                                                                                                                                                                                    |

THE OPEN COURT PUBLISHING CO., CHICAGO, St. 24 Dearborn St.

barrassing difficulties of the calculus.

Price, \$1.00 (5s.). An easy and pleasant introduction to the most em-

## THE MONIST.

A QUARTERLY MAGAZINE

#### Devoted to the Philosophy of Science.

PUBLISHED BY

#### THE OPEN COURT PUBLISHING COMPANY, CHICAGO, ILL.

MONON BUILDING, 324 DEARBORN STREET. POST-OFFICE DRAWER F.

Annually \$2.00 (9s. 6d.). Single Copies, 50 cents (2s. 6d.).

#### AGENTS AND TERMS OF SUBSCRIPTION.

|                                                                             |         | E COPIES    | YEARLY    |
|-----------------------------------------------------------------------------|---------|-------------|-----------|
| LONDON: Kegan Paul, Trench, Trübner & Co., Paternoster House, Charing Cross | Road    | 2s. 6d.     | gs. 6d.   |
| Leipsic: Otto Harrassowitz                                                  |         | M. 2.50     | M. 9.50   |
| ROTTERDAM: H. A. Kramers & Son                                              | -       |             | Fl. 6.60  |
| Turin: Palermo: Libreria Carlo Clausen                                      |         |             | Lire 12   |
| MILANO: Ulrico Hoepli, Librario della Real Casa                             |         |             | Lire 12   |
| Boston: Damrell & Upham, 283 Washington Street                              |         | 50 cents    | \$2.00.   |
| New York: Lemcke & Buechner, 812 Broadway                                   |         | -           | \$2.00.   |
| Postpaid to New South Wales, Victoria, Queensland, Tasmania, and New Zeal   | and, ar | id all cour | atries in |
| U. P. U., for one year, \$2.25.                                             |         |             |           |

#### Recent and Forthcoming Features:

On the New Polychrome Bible. Prof. C. H. Cornill, Königsberg. The Polychrome Bible. Rev. W. H. Green, Princeton, N. J. The Last Decade of French Philosophy. Lucien Arréat, Paris. On the Man of Genius. Prof. G. Sergi, Rome. On General Biology. Prof. Yves Delage, Paris. Psychology and the Ego. Principal C. Lloyd Morgan, Bristol, England.

A Study of Job and The Jewish Theory of Suffering. Prof. J. A. Craig, Univ. of Mich.

On the Foundations of Geometry. Prof. H. Poincaré, Paris.

On Science and Faith. Dr. Paul Topinard, Paris.

On the Education of Children, Dr. Paul Carus.

General Review of Current German, French, and Italian Philosophical Literature. By Prof. F. Yodl, Vienna M. Lucien Arréat, Paris, and Prof. G. Fiamingo, Rome.

#### SOME RECENT CONTRIBUTORS:

#### In General Philosophy:

PROF. KURD LASSWITZ PROF. RUDOLF EUCKEN PROF. F. JODL THE LATE PROF. J. DELBŒUF PROF. C. LLOYD MORGAN

#### In Logic, Mathematics, Theory of Science:

CHARLES S. PEIRCE PROF. FELIX KLEIN SIR ROBERT STAWELL BALL PROF. ERNST MACH PROF. HERMANN SCHUBERT

#### in Blology and Anthropology:

PROF. AUGUST WEISMANN PROF. C. LLOYD MORGAN PROF. JOSEPH LECONTE PROF. MAX VERWORN DR. EDM, MONTGOMERY THE LATE G. J. ROMANES PROF. C. O. WHITMAN DR. PAUL TOPINARD DR. ALFRED BINET PROF. JACQUES LOEB PROF. ERNST HAECKEL PROF. TH. EIMER PROF. E. D. COPE PROF. C. LOMBROSO DR. JAMES CAPPIE

#### In Psychology:

PROF. TH. RIBOT PROF. JAMES SULLY DR. G. FERRERO DR. J. VENN DR. ERNST MACH PROF. C. LLOYD MORGAN

#### In Religion and Sociology:

DR. PAUL TOPINARD
DR. FRANCIS E. ABBOTT
PROF. HARALD HOEFFDING
DR. PAUL CARUS
PROF. G. FIAMINGO
PROF. E. D. COPE

THE OPEN COURT PUBLISHING CO., 324 Dearborn St.,

## A HOLIDAY GIFT-BOOK

## Scenes from the Life of Buddha

#### Reproduced in Colors

from the paintings of Keichyu Yamada, Professor in the Imperial Art Institute, Tokyo.

#### With a Handsome Cover-Stamp

especially designed for the volume by Frederick W. Gookin, in imitation of a Buddha painting of the fifteenth century.

#### Price, \$2,50

These pictures, which are a marvel of daintiness, have been reproduced by the new and expensive three-color process. The inimitable delicacy of tint of the originals has been brought out in this way with scarcely any loss of quality.

#### Unique and Original

The illustrations are eight in number and occupy each a separate leaf, with the descriptions and references intervening.

## THE OPEN COURT PUBLISHING CO., CHICAGO, ST. 324 Dearborn St.

LONDON: Kegan Paul, Trench, Trübner & Co., Ltd.

## RECENTLY PUBLISHED

## Psychology for Beginners

AN OUTLINE SKETCH. By HIRAM M. STANLEY, Member of the American Psychological Association, author of "Evolutionary Psychology of Feeling" and "Essays on Literary Art." Pages, 44. Boards. Price, 40 cents (2s.).

#### A Terse Statement of Psychological Facts

Designed to give to beginners a direct insight into the subject and familiarity with its methods. The student is told as little as possible, but is allowed to learn for himself by simple observation and experiment. Original exercises are indicated, and are to be written out on the blank pages provided at the end of the book. The little volume is not only adapted to school-work but also to independent students who are working without a teacher.

## THE OPEN COURT PUBLISHING CO., CHICAGO, St. Dearborn St.

LONDON: Kegan Paul, Trench, Trübner & Co., Ltd.