

The industry, commerce, and social organization of men in the Stone Age are inferred from a variety of evidence, and form the subject of an interesting chapter. The care which they evidently took of the wounded reflects favorably both on their kindness and skill. A chapter on fortifications concludes with an excellent summary of Dr. Schliemann's investigations on the site of ancient Troy.

In handling such a mass of material a few errors naturally creep in. It is not correct to say (p. 21) that "the mounds of North America contain none but copper implements and ornaments," as ornaments of gold, silver, and meteoric iron are not unfrequent. So (on p. 76) the writer says that the ancient canoes "must have been worked by means of oars," and seems surprised too at the absence of rowlocks. Of course, paddles, not oars, were the means of propulsion. It is difficult to perceive what he means by this extraordinary passage on p. 219 — "The most ancient settlements of Malabar contain iron tridents, and Genesius (*sic*) dates their use from before the deluge. It is, therefore, surprising to find that some races remained for an illimitable time ignorant of the way to procure a metal of such great utility." This sounds like eighteenth century science. But these are slight blemishes on a book of singular merit in its composition and unusually beautifully printed and illustrated.

Alaskana, or Alaska in Descriptive and Legendary Poems. By BUSHROD W. JAMES. 368 p. Illustrated. Philadelphia, Porter & Coates.

IF Professor James had not had the unfortunate idea that he is a poet, he would have written a book of considerable interest, as he has visited various localities in Alaska and has read several works about that country. As it is, he gives us 360 solid pages of verses in the meter of "Hiawatha," with "some slight improvements," as the announcement of the publishers modestly puts it, describing the natives, the scenery, the seals, the sunsets, and the stories, which he has by the above means found out about.

It would be unfair not to supply a sample of his poetry, which we select at random from his canto or fytt on the Alaskan native tribes:—

The Orarians take precedence,
Classed as Esquimaux or Innuits,
Dark Creoles, and sturdy Aleuts —
These hold close along the sea-board,
Claiming nearly all the coast-line
And the islands near adjoining; —
Save where here and there the Indians
Have and hold small coast possessions
Which they won by force or cunning.

Really, was it worth while to put capital letters at the head of these lines? And are there people who will read 360 pages of such? If so, human nature has certain qualities of patience or kindness for which we did not give it sufficient credit.

There are a number of photogravures in the volume, very nicely done, and, as far as type and paper go, it is a creditable specimen of the publisher's taste, and looks as if it was intended to be a "Holiday book."

Experiments Arranged for Students in General Chemistry. By EDGAR F. SMITH and HARRY F. KELLAR. Philadelphia, T. Blakiston, Son & Co. 8°. 57 p., with alternate leaves blank for notes.

THIS series of exercises, based on the authors' experience with their own classes, is intended to accompany any convenient textbook of inorganic chemistry; but reference is made to that of Richter. Beginning with fundamental operations (as with blow-pipe, glass tubing, balance, and graduates) and general principles (as the difference between chemical and physical change) the course proceeds to the study of hydrogen and other non-metals in Part I., followed by the metals in Part II. Quantitative relations are well presented in the experimental work and stoichiometrical

CALENDAR OF SOCIETIES.

Philosophical Society, Washington.

Nov. 12.—J. P. Iddings, Geology of the Crazy Mountains; H. W. Turner, Lavas of Mount Ingalls; W. H. Dall, Dates of Publication of Conrad's Monographs of Tertiary Fossils.

Anthropological Society, Washington.

Nov. 15.—Warren K. Moorehead, Xenia, O., Singular Copper Objects from Ancient Mounds in Ohio; James Mooney, Lester F. Ward, W. H. Holmes, W. Hallet Phillips, W. H. Babcock, and Frank Baker, Geographic Nomenclature of the District and Vicinity, a Symposium.

Society of Natural History, Boston.

Nov. 16.—Warren Upham, The Origin of Drumlins; Professors Shaler and Davis, On the Origin of Drumlins.

THE Civil Service Commission will hold examinations on Nov. 29 to fill two vacancies in the Quartermaster-General's Office, one in the position of assistant civil engineer, at a salary of \$1,200, the other in the position of architectural draftsman, at a salary of \$1,400. An application blank and information as to the subjects of the examination may be obtained of the U. S. Civil Service Commission, Washington, D.C.

Reading Matter Notices.

Ripans Tabules cure hives.

Ripans Tabules cure dyspepsia.

Exchanges

[Free of charge to all, if of satisfactory character. Address N. D. C. Hodges, 874 Broadway, New York.]

For exchange.—Fine specimens of Wis. freshwater pearls. I want books or papers on marine and freshwater algae; also classified specimens of same. I will exchange for Smithsonian reports or crystallized minerals. D. M. ANDREWS, Dodge Centre, Minn.

For Sale or Exchange.—The undersigned has a lot of first-class duplicate bird's skins and sets of eggs, both rare and common, for sale or acceptable exchange. Also about two hundred second class skins and five hundred eggs, suitable for study specimens, at very low figures. The latter, for starting a collection, are as good as the best, embracing all classes and nearly all families. Also about forty species of fossils, principally Devonian. MORRIS GIBBS, M.D., Kalamazoo, Mich.

For Exchange.—"The Birds of Kansas."—Goss, for Gray's Anatomy, or Medical Dictionary. Must be in good condition. Address, J. H. SIMPSON, Buchtel College, Akron, Ohio.

For Sale or Exchange.—The subscriber would like to receive cash offers, or an offer in exchange for the earlier volumes of Poggendorf's Annalen and the later volumes of Silliman's Journal, upon the following list: Chenn—Manuel de Conchyliologie. 2 vols. Nearly 5,000 figures, some hand-colored. Paper. Paris, 1859. Edwards.—Butterflies of N. A. 2 vols. Plates hand-colored. Vol. I., half calf. Vol. II. in parts. Leyman, Agassiz, Hagen.—Ils. Cat. Mus. Comp. Zool. at Harvard. No. I. Ophiuridae. No. II., Acalephae. No. III., Astacidae. All bound in one volume. American Naturalist. Vols. I.-VII. Cloth. Silliman's Am. Jour. of Science and Arts. Third Series. Vols. I.-X. Cloth. Binney.—Terrestrial Mollusks of N. A. Colored plates. 4 vols. Stretch.—Zygaenidae and Bombycidae of N. A. Colored plates. Also a considerable library of monographs, reports, and scientific books, and a large number of duplicates of fossils, minerals and shells. E. A. STRONG, Ypsilanti, Mich., Sept., 1892.

Wants.

A POSITION is desired in the South, preferably the Gulf States, where I can teach the sciences. Can also instruct in other branches. Salary only nominal, as I am simply desirous of employment while spending the winter in the South. A private family preferred, but will accept regular school work if not too confining. MORRIS GIBBS, M.D., Kalamazoo, Mich.

WANTED.—By well-qualified and experienced science master and associate of the Royal School of Mines, London, aged 26 (at present in England), a mastership in technical college or university for any of the following subjects: Engineering sciences, geology and mineralogy, physics, chemistry and metallurgy, etc., etc. Can provide excellent references and credentials. Apply, J. G., 17 Sussex St., Rochdale, England.

METALLURGICAL CHEMIST will give instruction in the metallurgy and chemical analysis of iron and steel. Complete or special courses applying to the manufacture of pig irons and steels, as well as to their uses. Address "METALLURGIST," care SCIENCE.

A GRADUATE of the University of Pennsylvania and a practical mineralogist of twenty years' experience desires to give his services and a cabinet of 25,000 specimens, all named, with about the same number of duplicates, in minerals, crystals, rocks, gems, fossils, shells, archaeological and ethnological specimens and woods to any institution desiring a fine outfit for study. The owner will increase the cabinet to 50,000 specimens in two years and will act as curator. Correspondence solicited from any scientific institution. J. W. HORTER, M.D., Ph.D., San Francisco, Cal., General P. O. Delivery.

CHEMIST AND ENGINEER, graduate German Polytechnic, Organic and Analytical, desires a position in laboratory or chemical works. Address 213½ E. 7th Street, New York, care Levy.

The American Geologist for 1893.

Edited by PROF. S. CALVIN, University of Iowa; DR. E. W. CLAYPOLE, Buchtel College; JOHN EYERMAN, Lafayette College; DR. PERSIFOR FRAZER, Penn. Hort. Soc.; PROF. F. W. CRAGIN, Colorado College; PROF. ROBT. T. HILL, U. S. Irrigation Survey; DR. ANDREW C. LAWSON, University of California; FRANK D. KNOWLTON, U. S. National Museum; JOSEPH B. TYRRELL, Geol. Sur. of Canada; E. O. ULRICH, Minnesota Geological Survey; PROF. I. C. WHITE, University of West Virginia; PROF. N. H. WINCHELL, University of Minnesota. Now in its Xth volume. \$3.50 per year. Sample copies, 20 cents. Address

THE GEOLOGICAL PUBLISHING CO., Minneapolis, Minn.