

At some points on the surface there is a dirty white incrustation. This, on examination, proved to be carbonate of lime, and is without doubt due to the deposits from the calcareous soil in which the meteorite was embedded.

The prevailing color of this iron is dark reddish brown, more inclined to red than others of this fall that we have seen.

On cutting a section from the meteorite, and treating the polished surface with nitric acid, the characteristic Wiedmannstaaten markings are visible. The fragments of troilite can be plainly seen on the polished surface. The meteorite has about the same arrangement of iron, olivine, etc., as others of this group. Its specific gravity, as obtained from the whole mass, is 4.79; that of the iron and nickel alloy is 7.70; of the olivine (yellow), 3.64 (water at 25° C). The volume of the entire mass, determined in the process of obtaining its specific gravity, was found to be 20.6 litres.

Professor E. H. S. Bailey of this university is making a thorough analysis of this pallasite, which he will report in detail at the Indianapolis meeting of the American Association for the Advancement of Science.

F. H. SNOW.

University of Kansas, Lawrence, Kan., July 9.

#### A Supposed Footprint in Rock.

IN a field belonging to Mr. J. G. Bemis, in the town of Whitefield, Coos County, N.H., there is a rock of granite upon which is the impression of a man's left foot. It is a naked foot, and has slipped slightly in passing over the rock when in a muddy condition. No one had mentioned this fact to Mr. Bemis when he bought the farm. The rock is like the rest of the rocks in the place, granite. The place is a very solitary one; and probably no one, till Mr. Bemis came, who is a man of much observation, ever observed it.

A sketch made by Professor Grundmann, and specimens of the rock, were shown to Mr. Walter G. Davis, the director of the Meteorological Bureau, Cordoba, South America. He considered

it very curious, but, not being a geologist by profession, advised its being brought to notice. The place is two miles north of the village of Whitefield, N.H., not far from The Mountain View House, owned by Mr. W. F. Dodge, and near the estate of the Rev. R. C. Waterston (summer residence). A. W.

#### BOOK-REVIEWS.

*School Supervision.* By J. L. PICKARD. (International Education Series.) New York, Appleton. 12°. \$1.

THE author of this book has had a long experience as superintendent of education, first in the public schools, and now at the head of a university. He evidently has a natural aptitude for the work; and this, combined with long practice, has enabled him to produce a work on the duties and usefulness of school superintendents which will be very suggestive to those who fill such positions, as well as to educators generally. He maintains in strong terms the importance of good supervision by State, county, and city authorities, and has no difficulty in showing that it has largely promoted the efficiency of the public schools of this country. He devotes comparatively little space to the State and county superintendents, but discusses at length the work of the city superintendent, pointing out its relation to the teachers, the pupils, and the public authorities, with incidental suggestions on every important point. President Pickard fears that the grading and the minute rules for teaching and for the promotion of pupils are making our schools too mechanical, and earnestly advocates leaving greater freedom to both teacher and pupil. The methods of examination, too, he thinks require amendment, so that the examination shall test the pupil's judgment rather than his memory. He favors moral and religious instruction in the public schools, notwithstanding the difficulties arising from the conflicting views of the various religious sects. His mode of presenting his thought is somewhat marred by a too free use of metaphorical

#### PRACTICAL ELECTRICAL NOTES AND DEFINITIONS.

For the use of engineering students and practical men by W. P. MAXCOCK, together with Rules and Regulations to be observed in Electrical Installation Work, with diagrams. 130 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

#### 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

#### 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.

#### JUST OUT.

#### Speech Reading and Articulation Teaching.

By A. MELVILLE BELL.

Price, 25 Cents.

Practical Instructions in the Art of Reading Speech from the Mouth; and in the Art of Teaching Articulation to the Deaf.

[This Work—written at the suggestion of Miss Sarah Fuller, Principal of the Horace Mann School for the Deaf, Boston, Mass.—is, so far as known, the first Treatise published on "Speech Reading."]

#### From Principals of Institutions for the Deaf.

"Admirable in its conciseness, clearness and freedom from technicality."

"The simplicity and perfection of this little book."

"Full of exact and helpful observations."

"A very interesting and valuable work."

"The rules are clearly given and will be of great utility."

"Every articulation teacher should study it."

"A model of clearness and simplicity, without having any of the puzzling symbols that trouble the common mind. . . . The exercises given in speech-reading from the lips are especially interesting, and of great importance to the student of phonetics."—*Modern Language Notes.*

\*\* The above work may be obtained, by order, through any bookseller, or post-free on receipt of price, from

N. D. C. HODGES,

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.

#### 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.