To the kindness of its Director we owe the following interesting details concerning its object and constitution.

The general object of that association is to pron ote the study, of mineralogy and the allied sciences, chemistry and geology. It attains that object in a twofold manner-first, by encouraging reisonal investigation and discovery, and afford- Mountains, ing persons already conversant with scientific Organical subjects an opportunity of exchanging and discussing ideas on the same; secondly, by fostering a taste for these studies among the students of the college and other young men, and, at the same time, acquainting them with the fundamental principles of mineral chemistry and geology.

The memdership of the Mineralogy Society is open not only to students of the University, but to all outsiders interested in science. It includes Professors of the Faculty and other scientific gratlemen, as well a students and other young men standing on more or less advanced steps of the scientific ladder. Persons wishing to become members should apply to the secretary.

Meetings are held every Welnesday at 5 p.m., at which original papers are read and discussed, and popular science lectures are given, accompanied by experiments. Admission to the meetings is free, and a general admission ticket may be obtained by applying to the President of the Society. The chemical and mineralogical will soon be completed, are put at the disposal of members; and all necessary apparatus and reagents are furnished on special conditions.

In order to increase its sphere of usefulness, the Mineralogical Society respectfully requests the co-operation of the science-loving public, and particularly of those interested in mines, quarries, etc. Information of any kind and specimens of minerals, nocks and fossils are thankfully received; in return, the Society makes a determination of such specimens when requested and inserts the names of the donors in its publication. The society, having secured the services of the College Professor of Chemistry and of an eminent French chemist and analyst, is now in a position to supply the daily increasing demand for mineral analyses.

The Society was formed in March, 1880, by the Rev. C. F. Marsan, O.M.I., M.A., Professor of Chemistry, Mineralogy and Geology in the College of Ottawa, with the accistance of Mr. (now Honorable) P. S. Poirier, and other scientific gentlemen. Hon, Senator Poirier, whilst Postmester of the House of Commons, occupied the presidential chair of the Society till the leginning of the present year, when his removal to the Maritime Provinces made it impossible for him any longer to comfact the basiness of the Society.

The following are the officers for the present TONE

Din Rev. Prof C. F. Marsan, O.M.I., N.A.

Product: Mr. Walter A. Herckearath, of Manuromek, N. Y.

Vice-President: Mr. Wade Smith. Recording Secretary: Mr. Jax Foley. Scientific Secretary. Mr. Alfred Lausier. Treasurer: Mr. Patrick Gritin. Chemist: Mr. Anatole Tourchot. Librarian: Mr. David Phalen. Curator of Museum; Mr. Dancan Campbell. Scientific Committee: Rev. James Moloney.

O.M.I.; Rev. Germain Ganvreau, O.M.I.

SCIENTIFICENOTES

Sulphum.-It is reported that deposits of sulphur have been recently discovered on the southern slopes of the Cancasus

QUARTZ.—There seems to be a dispute, at quartz, lately discovered by Dr. Tumlitz, is diamagnetic or paramagnetic.

VISUVIUS -- After the late eruption of Vesuvius, on Feb. 6, the chloride crusts of lava in the vicinity were found to be very rich in copper, so that the bootnails of visitors to the spot became thickly plated with it

WATER GAS.-A series of experiments in the reduction of iron ores, carbon monoxide, superheated steam, and water gas being employed as reagents, gave the following total results of oxidation for one series of specimens : Carbon monoxide \$1.12 degrees, steam \$4.75 degrees, water gas \$6.48 degrees, thus giving water gas an advantage of 5.38 degrees over carbon monoxide, and 1.73 degrees over superheaded steam.

HEAT .- A recent writer in the Goological Magazine ventilates an idea that is certainly novel and original, viz : that the interior heat laboratory and museum of the College, which of the earth will yet be utilized by man. He is of opinion that the crust, which separates us from the molten mass below, is not so thick as is generally supposed, and considers it one of the possibilities of the future that we shall bore down to the liquid layer, and conduct our smelting operations at the pit's month."

> Mixenalogy.—The author of the Reliments of Mineralogy, recently published by Crosby & Lockwool, London, has devised a new torment for legimers. In addition to the specific cavity of elements as compared with water, which learners usually find sufficiently difficult to remember, Mr. Ramsay gives the specific gravity taking hydrogen as the standard unit. As an example of what students are required to tax their memories with, the specific gravity of native silver is given as panging from 115, 123 to 117, 369.

> Geology.—The latest as well as one of the mest important contributions to geological science is Geology. Chemical, Physical and Stratigraphical, by Prof. Prestwich, of Oxford University, the first volume of which has just leen issued from the Clatendon Press. Those portions of work are particularly valuable, which emiody the results of the learned Professor's original researches: Prof. Prestwich belongs to the non-uniformitarian school of geologists, helding that the action of physical forces in the geological periods constantly varied in degree and intensity.

An Introduction to the Study of the Coxfounds of Cardon, or Organic Chemistry, By Ira Rensen. Ginn, Heath & Co., Rostoa, 1885.

This excellent text look, though published a few months ago, is very little known in Canada, we have therefore much pleasure in bringing it to the notice of our readers. It is impossi-Pennsylvania made 68 per cent. of all the ble, in a briefsketch, to enumerate all the merits trongat to Halifax from the Salmon River and Bessemer ascel mits, and 65 per cent. of all the of this book. The author has evidently written Rawion mines. That from the former weighed ingots produced in the United States in 1885. | it for students beginning the study of the com- 1,297 ounces, and from the latter, 155 ounces.

pounds of carbon with or even without a teacher. He carefully avoids, in the beginning, long theoretical considerations from which the beginners can derive no benefit. Throughout the book the relations of various series, the general properties of groups, and important laws of formation, are indicated only after the frets illustrating them have been described and experimented. upon. Nothing so confuses the student as thepresent, as to whether the permanent polarity of grouping together of a mass of laws and speculations before acquainting him with facts, thus. giving him the very false notion that naturalscience is a kind of castle in the air, too distant for clear observation. Another very common defect, from which Mr. Remsen's work is free, is excessive comprehensiveness. All canno: be told in a text book, so that if an author attempt to give the abridged history of every compound, his work becomes nothing but a dry nomenclature of facts and formulas. better to choose some typical compound in each series, and give a full description of it; the knowledge then conveyed will be complete inits kind, and the student may afterwards, by himself, repeat the same work upon each of the other members of that series. To those acquaintel with Wentworth's Geometry, or any other of the classical publications of Ginn & Heath, it is needless to say that this edition is a masterpiece of typographical neatness and beauty.

> OTTAWA: FIELD NATURALIST'S CLUB: Transactions No. 6; Vol. 11, No. 2.

We have just received this, the best publication yet issued by our local scientific club. It has only one defect, it comes too late, and the nader cannot but feel disappointed when he finds out that all the papers included in that volume were delivered before March, 1885. Many of those papers are very interesting. We published in our issue of February, 1885, the paper of Mr. Chas. Willmott, "Minerals of the Ottawa District." Among other valuable papers Mr. William Lett's very intensting essay on the "Camadian Otter" deserves special notice. Mr. Latchford's "Observations on the Terrestrial Mollusca of Oltawa and Vicinity," must necessarily be in the hands of all students of our shells. Finally, geologists will find a valuable addition to our knowledge of the Trenton fossils in the notes on "Two New Species of Crinoids," by Mr. Walter R. Billings.



NOTA SCOTIA.

It is reported that a rich gold lead has been Yarmouth county, not far discovered in from Pubnica.

Active prospecting was carried on in Lanenburg and Queen's counties last autumn, and the discovery of some important gold-bearing quartz veins was the result.

During the past month gold was discovered at Carlton, Yormouth County, and applications for licenses to work have been made to the mines department at Halifax.

Farly in February, two gold bricks were trongat to Halifax from the Salmon River and