end of the tube under one of the holes of the pneumatic trough which has been previously filled with water, so as BLOMIDON AMYGDALOIDS, in situ and to completely cover the shelf. Now apply heat to the flask, and in a short time bubbles will be seen to rise through the water. The first of these are air, and should be allowed to escape. If a jar be filled with water, and placed mouth downward over the tube, the oxygen will soon expel the water, and remain in the jar.

Oxygen is an odorless, tasteless, colorless fluid; it is heavier than air, burn in the air burn with greatly in The cavities were subsequently filled creased splendor in oxygen gas. If a with minerals of various kinds, e. g., taper be blown out, and then intro Zeolites, Calcites, Chalcedonies. etc. duced into the gas while the wick remains red hot, it is instantly rekindled Boulders of this rock are to be seen with great brilliancy. If a piece of tion was attracted to the latter lying roll sulphur be set on fire, and placed beside the Lower Carboniferous limein a jar of this gas, it will burn with a stones above the old Avon Bridge. beautiful purple blue flame, and evolve Prof. How told me that they came a much more intense heat than when from Blomidon. burned in common air. Phosphorus On the Queen's Birthday, 1873, attach the other to a cork which will head on the East side of the Bay. oxygen, light the sulphur, and place stones about 50 feet high, out of which the wire in the jar, the sulphur bursts were falling in abundance Amygdainto full flame and kindles the iron loid boulders of all sizes, replete with which burns with great brilliancy, amygdules of Stilbite, Heulandite, sending forth a shower of white stars, and other minerals. I also found a while the melted iron, known as the boulder of mossagate. Here, then, was black oxide of iron, sinks to the plate the secondary source of the supply of below.

NOVA SCOTIAN GEOLOGY.

transported.

PAPER I.

By REV. D. HONEYMAN, D. C. L., F. R. S. C.

In Situ.

At Blomidon, between Pereau and Scot's Bay, a rock called Amygdaloid was observed in great mass. It is so named as it contains amygdules of in the proportion of about 11 to 10; it minerals, having something of the is the sustaining principle of animal appearance of kernels of almonds. life and of all the ordinary pheno. This rock was once a lava, which, on mena of combustion. Bodies which cooling, assumed a vesicular texture.

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If a bit of charcoal be affixed to a in abundance about Wolfville and the wire, and plunged with a single point side of the Estuary of the Avon. red hot into a jar of oxogen, it burns Upwards of twenty years ago my atten-

burns with such an intense light that when walking with a friend on the the eye can scarcely bear to look at it beach of Cow Bay, East of Halifax, I But perhaps the most beautiful experi- noticed boulders on the shore which I ment of combustion in oxygen is made at once recognized as Amygdaloids by means of an iron wire, or better, a from Blomidon. This circumstance watch spring; dip one end of the was for some time perplexing. At watch spring into some sulphur, and length in our wandering we reached a fit the neck of the jer containing the Here I observed a bluff of clay and the shore boulders.