Manin LEEDS GEOLOGICAL ASSOCIATION Levels fed of Rooms - Leeds Mechanics' Institution, Cookridge Street. PRESIDENT: C. D. HARDCASTLE. HON. SEC: . S. A. ADAMSON, F.G.S. 52, Well Close Terrace, LEEDS, May 4 188 7 Dear Sir Am Dawson, I beg to thank you in dupid encerely for the honor of the pumphlet by yourself upon Canadian Fissel Plants but still more for the most Kindly and Intouraging letter which accompanies et - Inch a recognition of my humble efforts in gerlogy from one whom stook up to as a muster is the very but reward and an incentive to future efforts - I thank you in anticipation for the geological Jenes onsly promew to me, when rendy.

Such a work would be amongst the most cherebed of my possenions, to be Carefully preserved the whole of my lefe; for ex what little I have learny in jertogy, I have very much to thank you and your writings and I can Mankfully say that imbeding the devolional spirit perousing throughout your works my geological studies do lear me and well lear me more reverently in heart to the almighty Pacher of all - To carefully study your works in a right spirit, mist lend by degrees to that descrathe frame of mind -Seras glad to Venow what tur Fransactions would interest you, I thought the articles on Yorkohne Carboneferous Discoveries and the Exercions in the hower Coul Measure, would pluse you, and non Ilnelose proof slip of an account of a rather

Interesting discovery close by of some publics imbedded in the coal and shales he found it impossible to girl anything but rague surmises as to their presence the ent pot not having received as yet much attention.

My few remarks on the Bunder little bids were intended to point out a common origin for the quartyste pettles. This discovery I have little doubt, will also interest you.

Successfully ingaged in jeological
furents in bookshire at present, and
the eludents of the secence are rapisty
increasing in number - It is really
a delightful change to longge in such
work after the monotonous business
we are compelled to follow during the
day, such researches find new chasms
to our lives and in addition when
come practical good is achieved and
also hind words from the high and

befly minds who are our leavers in the and fresh efforts are made -I thank you most heartely for the honour of the acceptance of our publications and affectional regard, believed me dear forms faithfully thermby Jam Addamson In Mondreal, Your the indoses extracts will gralify you and also show what we are doing to promote goology in the host of England\_

GEOLOGICAL WORK. The geological section of the Yorkshire Naturalists' Union, being presided over at Monday's meeting at Dewsbury by Mr. J. E. Bedford, a report of the proceedings of the section for the last year was presented by Mr. Adamson, F.G.S., who stated that the excursions had Dewsbury by Mr. J. E. Bedford, a report of the proceedings of the section for the last year was presented by Mr. Adamson, F.G.S., who stated that the excursions had been most practical and instructive, with an exceptionally large attendance.

The first meeting, at Askern, was a case of geology under difficulties, the weather being so unfavourable; moreover the previous heavy rainfall had flooded a wide expanse of the district intended to be visited. Still, some sections of the lower magnesian limestone were examined in several quarries, and thus opportunity was afforded to study the variable character and stratification of the beds.

The second meeting, at Bridlington, was largely attended, and the splendid sections seen in the cliffs envote were fully detailed by the leaders of the excursion. Mr. Lamplugh described the sections in the boulder clay with which his name is so intimately connected, and from the south landing to Bempton along the cliffs the party was under the guidance of the President, the fault at Selwick's Bay, the erosion of the chalk cliffs, and the contortions near Scale Nab being specially pointed out.

The third meeting, at Pateley Bridge, gave the members an opportunity rarely occurring to study the geology of that beautiful and secluded part of Yorkshire, Upper Nidderdale. The journey by road from Pateley Bridge to Lofthouse was most pleasurable, from the variety of the physical geology to be seen. Objects, too, of special note were the phenomenon near Lotthouse of the river Nidd issuing from its underground course, the fine example of a fault seen in passing up the bed of Blayshaw Gill, the good sections of encrinital limestone, &c., and at How Stean the canon or rayine excavated by the grinding action of running water. At the general meeting, Professor Green, F.R.S., made some valuable observations on the geology of the district.

The fourth meeting, at Prekering, was probably the largest gathering of geologists that the union has witnessed, arising from the fact that the President had M.A.) and the secretaries (Messrs. S. A. Adamson, F.G.S., and S. Chadwick) were re-elected.

YORKSHIRE BOULDER COMMITTEE.

The meeting of this committee, held in connection with the Yorkshire Naturalists' Union on Monday, was under the presidency of Mr. C. D. Hardeastle, and the first annual report was presented by the Secretary, Mr. Adamson, F.G.S., who recuted the various steps which led to the formation of the committee. In response to a circular issued by Mr. Adamson, a meeting of Yorkshire geologists was held on November 23rd, 1836, at the Mechanics' Institution, Leeds. Letters were then read warmly approving the movement and promising practical support from Professor Green, P.R.S., Professor Miall, F.L.S., Dr. Crosskey, F.G.S., and Messrs. J. W. Davis, F.G.S. S. Ohadwick, and Jas. Spencer. A letter similar in sprirt was atterwards received from the Rev. E. Maule Cole, M.A. The following resolution was then manimously passed:—"That in connection with the Yorkshire Naturalists' Union, a committee be and is hereby formed, to be named the Yorkshire Boulder Committee; the duty of this committee being to receive reports and conduct observations relative to the erratic blocks of Yorkshire, including particulars as to their position, height above the sea, ithological character, size, and origin, and to work upon the same lines generally as the Boulder Committee of the Britash Association, to whom annual reports will be presented." The following gentlemen were then placed upon the committee, with power to add to their number, viz.:—Procesor Green, F.R.S., &c., Headingley, chairman; Professor Miall, F.L.S., Leeds; the Rev. E. Maule Cole, M.A., Wetwang: Messrs. J. W. Davis, F.G.S., Haifax; B. Holgate, F.G.S., Hunslet; T., Tate, W. Woodall, F.G.S., Scarborough; C. Brownridge, F.G.S., Horsforth; J. E. Bedford, Headuigley; Wm. Chestiam Horsforth; S. Chadwick, Malton; John Hill. Morley; Wm. Horne, Leyburn; J. E. Bedford, The Boulder Committee was now in actual existence, and its first meeting was held on December 23rd, YORKSHIRE BOULDER COMMITTEE. his tunch front, with very queen ful rould

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## LEEDS GEOLOGICAL ASSOCIATION:

INTERRESTING DISCOVERY AT WORTLAY.

The April menting of the members of the silver smoothing was devoted to an exhibition of specimens, accompanied (Generally by a few descriptive remarks by rea exhibition). In the absence of the Presender (Mr. C. D. Hardcastle) from illness, the chair was occupied and the control of th

derived originally from the ancient Palæozoic axis or ridge?

PECULIAR MARKINGS IN YORKSHIRE CHALK.

Mr. S. Chadwick, of Malton, had forwarded for exhibition, two specimens of white chalk from Flamborough, with peculiar markings. It will be remembered that on the recent excursion of the association to Malton, some examples were obtained with markings of a long, nesdleshaped, partially fibrous character; in the examples now shown the markings were somewhat different. As Mr. Chadwick stated in a letter accompanying the specimens, "In these instances, the striæ are much finer than are usually found." One specimen had the form of a semicircle, "the concave surface being most probably due to the disappearance of one of those soft sponges which generally leave no trace, except that now and then a cast of the exterior is found. It is supposed that this is owing to the absence of siliceous matter, such as is found in the spicules." A discolouration of the surface existed in one of the specimens. No opinion was expressed upon these markings, pending the microscopical examination which will shortly take place of them.

Mr. E. Hawkesworth exhibited a number of coal ferns, Stigmaria and Lepidodendron, from the girts at Pateley Bridge; enerinital limestone, from Clint, near Harrogate; ammonites, from Whitby; a block of marlstone, full of fossils; and a variety of rock specimens, obtained from the boulder clay of the Yorkshire coast.

Mr. T. F. J. Truss exhibited a large number of Oolitic and Liassic fossils from the West of England, and Mr. Turner showed a fine specimen of Lima pletinformis from the Malton oolite.

S. A. A.

Malton oolite.

