Original Articles.

PRESENTATION OF THE MEMORIAL TO DR. DARWIN.

THE memorial of the Yorkshire Naturalists' Union was presented to Dr. Darwin at his residence, Down, Beckenham, Kent, on 3rd Nov .. by a small deputation consisting of Dr. Sorby, F.R.S., of Sheffield, Vice-president of the Union; and Mesers. Geo. Brooke, ter., F.L.S., of Huddersfield; W. Cash, F.G.S., of Halifax; J. W. Davis, F.L.S., F.G.S., of Halifax : and Thomas Hick, B.A., B.So., of Harrocente, Prof. Williamson, F.R.S., of the Queen's College, Manchester, the President of the Union, was prevented from accompanying the deputation by the pressure of his professional duties. The deputation arrived at Mr. Darwin's residence about 1 n.m., and was received in a most hearty manner by the great naturalist himself, Mrs. Darwin. and other members of the family, including Miss Darwin and Mr. Francis Darwin. Fortunately Mr. Darwin was in a much better state of health than he has enjoyed of late, and on that account the fears of the deputation that their visit might prove too fatiguing for him were happily not realised. The members of the deputation were introduced individually to Dr. Darwin by Dr. Sorby, and then the interesting ceremony of the presentation of the address was neoceeded with

Dr. Seave stated that the Verballery Naturalite's Union, on whose blassifi the departation operated was conformation of natural history contributed with zer located in writing terms in the prete county of remaining the property of the property of the property of the remaining largery and a present there are coverage even motivated in the Union, with an aggregate of about 1,200 numbers. Among the objects of the Union and approach there are noting even more inplaced to the property of the property of the property of property of the property of the property of the property of individual effort; and the cultivation and diffusion of a tasks for material history promise. The work of the Union is doubly promise of nections, each devoted to one department, after the plan of the devote the property of the prop

done are published in the form of Transactions.

The address was then read by Mr. Thomas Hick, and formally presented to Dr. Darwin by Dr. Sorby, who expressed the great

presented to Dr. Lararun oy Dr. Courty, who experience user great gratification be personally felt in doing so. Replying to the address, Dr. Dawurs assured the deputation of his deep sense of the heacour the Yorkshire Naturalists Union had conferred upon him on that occasion, and only regretted that he had not done something more deserving of such an honour. He had no idea revisionly that those

N. S., Vol. vl.-Dzc., 1880.

was no strong a lody of working naturalistic in Yuckshire, but he was placed a loss not at now how the first, and for life, first in Transscient that had been forescaled to him, that they were sing useful properties of the properties of the properties of the properties of things that had been said of him. The shirters which had been persented to him, he and his foundly would for ever requires and preserves, and he desired to express his warment thanks, but to the desipation and those shows they prepeated, for i, and for the which and considerate manner in which everything connected with it had so that the contract of the Schopensory the effective wave extractions at lanches, and

having spent a short time in familier conversation with their distinguished host and his family, took their departure amid mutual expressions of kindness and regard. The following is the text of the address, which is beautifully cogressed and illuminated by Mr. Chas. Goolahl, of Leods, and very handsomely bound :

To Charles Darwin, LLD., M.A., F.R.S., &c., &c.

Siz—The Council and Members of the Yorkshire Naturalizate Unite, all of whose, with sacropion, are swicking statement is one or more of the various branches of autoral history, dusire to express to you in a counterrapently manner, only set with the greatest collisity, their dealeration of your life-long develors to original scientific research, and their pilesh appreciation of the almost trapportiled various of the investigations by which you have contributed largely to the modern development and sergeros of biological science.

More separatily do they don't so computation you on the fact that you great sector or "Do Greiger S Special" sellow one of age at a more ofdes, so that you did not not seen a second long records to read you to see that you the last town queed long records to calculate you to see attractive. It is sellow, "On the conspices owners of that and you taker pollubals works they med not dwell, as these mortis days that you will be a sellow of the property of the property of the property taker pollubals works they med not dwell, as these mortis have been recognized and similarly with pollubal pollubal pollubals works they med to the property of the property of the property of the property of long, be permitted for remaind you that your writings have been instrumental in giving as imprise to biological and placement pollubals which has be provided in the biology of the intervalsion of the lond which we have been a support of the property of the prope

one for which you will be remembered with honour and reverem wherever and as long as the human intellect exerts itself in the parsu of anisonal horseledge, is the scientific basic yes have given to the purpodentition of evolution. Other naturalities, proxy possessed free shows, had and-anomals to murreal the quantizes that had arisen respecting the contraction of the contraction of beings, and the state of the obstance that eigenvance of the trensformation of beings, and that the verialization was left to you to show, almost to dissonatration, that the verialization was left to you to show, almost to dissonatration, that the verialization was left to you to show, almost to dissonatration, that the verialization was left to you to show, almost the dissonatration of the three very large left of the process of the present areas of things beings, but also no compiles the nationers of the present zero of things beings, but in the to

with which the palsocutologist has made us familiar.

Porther, the Yorkalien instruction are mations to place on record their firm conviction that in the ears, the pastimes, and the exemplates conscientismous with which all your researches have been condusted; in the inpunity of the experienter by now derived in earl in the reputate verifications to which your results have been submitted by your own hands, you have furnished an example of the time method of heloigical inquiry that seconding generations will down it in homore to follow, and that amont but hashed to will further computes in the domain of engaging that amont but hashed to tell further computes in the domain of engaging

In presenting this small tritute of their high regard and estors, the members of the Vorshiler Saturalist' Union cannot but hope and pray that many years of happiness and usefuleson may yet results to you, and that our settems and literature may be still further enriched with the results of your researches.

H. C. Stars, J. L.D., F. R.S., Yuco-Frendens, Genesa Bassot, to F. L.R., Sternstary, W.s., Derssen Bassot, expected by Common Bassot, to F. L.R., Sternstary, Turnsan Jarray, Fourisida, Varietaeus Stetlen, W.s., Essan Canara, M. B., O. U., Sternstary, Vertrheats Restlien, W.s., Kassa Canara, M. B., O. U., Sternstary, Vertrheats Restlien, V.s., Lander, S. P. Parisida, Charles Ogical Section, On T. Parisary, F. Parisida, Charles Ogical Section, On T. Parisary, F. L.S., Frankland, Barton, Section, Canara, P. Hasertan, E. L.S., Theodor, S. Parisario, Section, Canara, P. Hasertan, E. L.S., Parisario, Bassonia Section, Canara, P. Anavand, Lang, V.L.S., Secretary, Dissertain Section,

Jas. W. Davis, F.S.A., F.L.S., F.G.S. Menorial Committee.
TROMAS HICK, B.A., B.Sc.,

August, 1880.

Since the return of the deputation a letter has been received from Dr. Darwin by Mr. W. D. Roebuck, in which he writes:—"The address which was presented to me is certainly one of the greatest

honours ever paid to a scientific man. It is admirably expressed, and the engrossing seems to me an exquisite work of art. I fear that I by no means deserve all that is said of me in the address; but it shows the great kindness and sympathy of the senders. Pray accept my best thanks for all the kind interest which you have shown in the affair, and believe me, dear sir, yours faithfully,

ORTHODONTIUM GRACILE. By J. CASH.

THE discrepancy between Wilson's figure and the description of the peristome of this moss in the "Bryologia Britannica," is certainly curious, and it were much to be desired that we had some means of explaining it. The species was unknown until, on the 25th March, 1833, Mr. Wilson discovered it at Helsby, Cheshire ; and, as appears by his journal of that period, he devoted " nearly a whole day." (29th March) to making a drawing of it. It is therefore certain that, so faras this drawing is concerned, no inaccuracy can have crept in from any want of care or pains bestowed upon the subject. I happen to nossess several tufts which were eathered by Mr. Wilson at the time named. The packet is labelled, in his own writing, as follows :-

" Bryum gracile (Wilson in Eng. Bot. Suppl. t. 2835.) Orthodon-'tium lineare, Schwaeg. Near Warrington, March, 1833. On sandstone rocks. W. Wilson,"

The condition of these specimens indicates that they must have been gathered when the fructification had reached maturity. Most of the lids are fallen; in some cases they still adhere to the perfect capsule ; in a few, the lids, though adhering, are partially lifted ; and in one, at least, there is a calyptra in situ. I sacrificed several cansules—one of which was just ripe, and full of spores—in order to elucidate the point which has been raised, namely, as to the comparative length of the internal processes of the peristome. These processes I found in most instances fragmentary, as may be was to confirm the accuracy of the figure in Bry, Brit. The perfect cilia are unquestionably equal in length to the outer teeth of the peristome.