

monument of Greek lexicography, we consider that it reflects the highest honor upon American scholarship. After a careful comparison of results obtained from the long-continued use of other Greek lexicons, we feel constrained to pronounce the present one a marvel of accuracy. In his modest preface the editor expresses a keen sense of the shortcomings of his work, and seeks to enlist the co-operation of fellow-laborers to help rid it of every remaining blemish. Surely all who profit by his labors must rejoice to be able to serve him in this way. We will accordingly make such few suggestions as have occurred to us in the course of our examination of the volume.

In the summary of the interminable discussion about the distinction between *βούλομαι* and *θέλω*, which is found upon p. 286, it may be advisable to quote also the opinion of such an eminent Hellenist as the late Professor Shilleto. He states in a note to Demosthenes (*De falsa legatione*, 348, 14) that in *Attic* writers *βούλομαι* implies a *positive wish*, and *θέλω* the merely *negative idea of willingness, having no objection*. This is the view also of Sauppe, on Demosthenes (24, 3), who cites to the same effect Gottfried Hermann (*Zimmermann*, 1835, p. 299).

The very unusual expression *ἐκ τῶν ἰδίων*, which is found in John viii. 44, may be illustrated by the example of the same idiom in Thucydides (ii. 42), where it is opposed in signification to *κοινῶς*. It occurs also upon a bronze tablet containing a decree of the senate and people of Assos, in honor of Germanicus, discovered in the course of the explorations made upon that site by the Archaeological institute of America (*Clark's Report upon the investigations at Assos*, p. 134). It is there translated, 'at their own expense ;' but the rendering, 'in a private capacity,' would seem to be more in conformity with the other instances of its use.

In the text the statement is made that the word *καταργέω* is found frequently in Paul's writings, who uses it twenty-five times ; while elsewhere in the New Testament it occurs only twice ; viz., in Luke xiii. 7 and in Hebrews ii. 14. We recollect that this exceptional use by Paul of one word is referred to by Rev. Robert Aris Wilmott, in his charming little volume on the pleasures of literature, as characteristic of his style. This would seem to make the word a proper candidate for a place among the words *peculiar* to Paul, contained in Appendix iv. 6, unless that term is intended by the editor to be restricted to words used by him alone among the New-Testament writers.

Under the word *πάσχω* we are told that it nowhere occurs in a *good* sense, unless either the adverb *ἐν*, or an accusative of the thing, is

added. Sophocles' *Electra* (v. 169) is an instance to the contrary.

This slight contribution we offer towards the perfecting of a work whose beautiful mechanical execution makes it a delight to use it, and which testifies to a liberality on the part of the publishers as creditable as is the quality of the editing.

H. W. H.

THE WINNIPEG COUNTRY.

It is with genuine pleasure that the critic takes hold of a volume like the present, so daintily gotten up with illustrations made for the book, and evidently the work of a practised hand. Then the story is told in such a simple and attractive manner, that one unconsciously drifts into the places of the astronomers, and feels each mosquito-bite as keenly as though he had actually experienced the bites in the flesh.

The journey was undertaken in 1860, before the days of railroads in that part of the continent, or, indeed, of steamboats—with the exception of the solitary stern-wheeler on the Red River, which broke down before our voyagers returned. The portion of the route lying beyond Fort Garry—the site of the now live city of Winnipeg—was made in the North canoe, a giant of its kind, which had been constructed years before for the accommodation of Sir George Stimson. Delay after delay occurred, for in even such a big canoe one could not brave the waves of Winnipeg with impunity. Then the current of the Saskatchewan proved to be unusually swift. The result of this combination was, that on the day of the eclipse the observers had not reached their destination : nor, in fact, had they advanced much beyond the outskirts of the eclipse belt. However, there was nothing for it but to get out on the first bit of solid ground that showed itself above the everlasting flooded marsh. An alcohol can on top of four stakes served as a pedestal for one telescope, while a birch-tree with lopped-off branches did similar duty for the other. Then, while the naturalist carefully beat time with a screw-driver, the clouds obscured the sun so that the astronomers who had dared hunger and mosquitoes could only note the minor phenomena of the last phase. It was provoking, but nothing could be done. By the time the instruments had been repacked, the river had risen higher and submerged the little island. A rest of one day, and then the homeward journey was begun. The delights of that portion of the trip can best be understood from the following : "Our long canoe-voyage of forty-

The Winnipeg country ; or, Roughing it with an eclipse party. By A ROCHESTER FELLOW. Boston, Cupples, Upham, & Co., 1886.

two days was over. We had been provisioned for thirty-five."

To add to their miseries, upon their arrival at Fort Garry they learned that the steamer had broken down: so the return journey was made overland in a Red River ox-cart. However, it must have had its pleasant side, or our author could not have looked back with so much evident pleasure to the experience. Not the least striking part of the volume is a set of views contrasting the state of things then at Fort Garry with the bustle and noise of a street of the present Winnipeg. The old Selkirk settlement has disappeared. But is not something better in its place?

COMPARATIVE MORPHOLOGY.

STUDENTS of vertebrate and invertebrate anatomy, both in this country and Great Britain, and other parts of the world where the English tongue is spoken, have much to be thankful for of late years; for during the last four or five of them have appeared in their language, either through original contribution or by translation, an exceptionally fine series of helpful handbooks of their science. Chief among these we notice upon our shelves the compact though useful little volume by Prof. F. Jeffrey Bell: the admirable manuals of Professors Martin and Mosle; the welcomed and invaluable translation of Claus's 'Text-book of zoölogy,' by Adam Sedgwick, in two volumes; the popular series contributed by Prof. A. S. Packard; a carefully revised third edition of Flower's excellent work on the osteology of the Mammalia; the favorite of all students of vertebrate anatomy, Mivart's 'Cat;' the best of little books, T. J. Parker's 'Zoöatomy,' the work of the younger representative of a house the members of which now hold an unrivalled place in the science of modern times, which their extraordinarily fertile and brilliant contributions to vertebrate morphology have easily gained for them. And now comes a welcome volume from the pen of the senior son of this same family, an English translation of Wiedersheim's famous handbook of vertebrate anatomy.

It is to this last handsomely gotten up, and, almost without exception, exquisitely illustrated work, that we would here now devote a few words by way of comment and criticism. We find the book bound and printed with all that care for which the firm of Macmillan & Co. are so justly famous, and which they invariably bestow upon all their scientific publications. The work itself is divided into two parts, the first of which,

entitled the 'Introduction,' comprises fifteen pages only, while the second or 'Special part' claims the remainder of the volume.

One of the principal points open for criticism in the introduction lies in its extreme brevity, and it must stand to reason that much must be sacrificed when one attempts to present the structural characters in general, and the mode of development in so important a group as the Vertebrata, in so limited a space. The great wonder is, that, notwithstanding this, the subjects treated in this part have been rendered so clearly and so thoroughly comprehensible. Nine excellent figures illustrate it, and it is completed by a helpful 'Table showing the gradual development of the Vertebrata in time.'

We find the 'Special part' divided up into sections, leading off with 'A. Integument;' followed by 'B. Skeleton;' then 'C. Muscular system;' 'D. Electric organs;' 'E. Nervous system;' 'F. Organs of nutrition;' 'G. Organs of respiration;' 'H. Organs of circulation;' and, finally, 'I. Urinogenital organs.' These several sections are found appropriately subdivided into other parts; and this plan has been found to answer the purposes both of the student and anatomist most admirably. Following as a natural sequence to such an arrangement as this, it affords, so far as the make-up of a volume is concerned, an excellent opportunity to offer a concise and convenient table of contents, presenting us with the several headings and divisions of the treatise, which has been done in the present instance. And to one at all familiar with the subject, this table of contents, supplemented, as it here is, by a wonderfully well-arranged and complete index (which latter contains but few omissions), leaves but little to be desired on this score. One word, however; for students are critical, and all are not thoroughly informed upon anatomical synonymes: so in future editions of this work it would be better to have index and text agree in every particular, and such errors, for instance, as indexing 'adrenal, 161,' and on p. 161 find 'suprarenal' only referred to, removed.

The section devoted to the treatment of the integument, though very brief, is excellent, and has been fully brought up to our present knowledge of the morphology of this structure and its appendages, in the several groups of the Vertebrata.

As we might expect, a considerable share of the work (pp. 30-111) is devoted to the 'Skeleton,' and it is ably dealt with under two headings; viz., (I.) Dermal skeleton (pp. 30-33), and (II.) The endoskeleton. Under the latter we are presented with a capital discussion of the 'Theory of the segmentation of the skull,' a fitting introduc-