

"AD MAJOREM DEI GLORIAM."

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Evolution.

Some of its fallacies-The Vermiform Appendix, The Raison d'etre of Rudimentary Organs.

Though the following letter was published in the "Catholic Times" more than six months ago, it contains solidly scientific suggestions which are unaffected by the lapse of time. We call special attention to its necessary reminder that a million "perhapses"cannot make one"therefore;"to its masterly treatment of that unfortunate "appendix," the frequent inflammation of which is such a crux to shallow minds, as if hability to disease were a proof of changes which are represented by perthe uselessness of an organ; and manent stages in the animal kingdom? to the skilful handling of the vexed question as to the history of rudimentary organs and muscles. The writer's concluding remarks on our prèsent ignorance and the consequent prudence of an expectant attitude combined with the conviction that true science and true religion cannot contradict each other are in keeping with the wise discernment is the only explanation. Sir William and wide knowledge of the whole letter.

The Theories of Evolution.

British Association in 1889, said that SiB,-In my letter which you were "too much stress had been laid on these good enough to publish in THE CATHOLIC so-called rudimentary organs, and that TIMES of July 2nd I proved on the authoin his opinion they are the weakest rity of Professor Max Muller, Mr. Roth, point in the Darwinian argument for and the experiment of Bishop Salvado descent." As to the "appendix vermiat New Nursia, Western Australia, that formis" which your correspondent says there was no scientific reliance to be is useless, Dr. Elward Andrews, in the placed on those people who hold with Journal of the American Medical Associ-Darwin that there are tribes of men on ation for December 5th, 1896, says, "The the earth who have no notion of God appendix is not a functionless organ. It and cannot count beyond ten. It is no produces every day a quantity of tenacompliment to his readers, because cious mucus to lubrivate the coccum sheer nonsense, for any writer to mainvalve and by thus facilitating the movetain that eyen the most degraded aboriment of matter prevents impaction in ginal of Australia or Africa would consithe head of the colon. The current of der ten men equal to the whole tribe; or the tough mucus is outward, hence seeds that ten of the tribe would be as numeand other foreign bodies cannot enter rous as one hundred enemies advancing the appendix in opposition to the moveagainst them. Bishop Salvado's colony ment as long as the organ is in a healthy has proved that in one generation the state." most degraded of savages can be brought to the level of an advanced civilization, instructed about God, taught to count, function in the lower animals. This is a and trained in trades or complicated emwide statement, apt to mislead. Very ployments like telegraphy. The sudden unfolding of their power is a complete refutation of the Darwinian folk who theorise about mental evolution it is very rarely found, except in man wrought out in unthinkable periods of It exists only in the highest apes, the time, through an imaginary development of nerve cells and cerebral cortical substances the nature of which they do not understand. They mistake the or- either the wombat or the monotremes. gan for the organist. The brain is the instrument-not the player. The brain is the "telephonic exchange," or "telegraphic switch-board," or railway"shunting-yard," where the nerves come in. cross over, and go out, enabling countless complicated messages to enter and depart between the organs of special sense, the muscles, and the various apparatus of the body. In another letter, appearing in your issue of July 9th, I set forth the many changes on the tune of time which have been rung by geologists during the last hundred years; and as they have been called to order by Lord Kelvin, Professor Saye, and Professor Tait, who make them enormously reduce their time periods, I showed that Catholics cannot accept their theories when those theories are opposed, or apparently opposed, to revelation. Lord Kelvin's estimate of the age of the earth is far nearer the truth than that held by Sir Charles Lvell forty years ago; but the history of all the natural sciences during the last hundred years shows clearly that the theories of to-day will be the ignorances of the end of the twentieth century. Why, then, should we give up the traditions of the Bible and of the Church in order to swallow an "orthodox evolution" which will be heterodox in less than a hundred years, even if it is not pondent says, possesses gills and a float beterodox at the present day? Every bladder, and straight tubed kidneys like intelligent Catholic should be educated a fish, but it is simply because it needs in the facts of the principal natural them. All living things need oxygenbe able to recognise the weak points in element he lives in ; the embryo gets its arms that they cannot fancy themselves the many theories of evolution and oxygen from the same element by the looking smart without it.

existence put foreward by weak-minded | looped vessels of its gills until such time thinkers whose philosophy is to imagine as nature provides another means of that even a million probabilities can breathing. The chemical and organic make one certainty. metabolism is different in creatures

During the long correspondence in

reason, have we been endowed with

organs which, like the 'appendix vermi-

the lower animals?" Our possession of

these structures can only be explained

on the theory of the heredity and des-

cent, of our bodies from the lower ani-

mals. Then, again, "how, except on this

theory of heredity and descent, can we

explain why it is that the human foctus

during the first couple of months of its

existence passes through a series of

structure of that foctus is the structure of

a fish and its organs are the organs of

This, of course, is pure Darwinism and,

as no notice has been taken of it in any

letter up to the present, perhaps I may

be permitted to show the writer that

there are other and better explanations

of these rudimentary organs than that

theory which the Darwinian writers say

Flower, Curator of the British Musuem

Natural History Department, speaking

at the Newcastle-on-Tyne meeting of the

a fish."

breathing through gills from these your columns on the "theories of evolu- breathing by lungs, and a straight tubed tion," one writer in the issue of April fish kidney is needed to meet that me-23rd last asks. "Why, in the name of tabolism in a gill breathing animal.

The body is full of groups of rudimentary muscles, and these are simply formis,' are absolutely useless to us, al- the remains of the special mechanism though performing a useful function in by which the body was in great part moulded and worked into shape. Every muscle in the body was employed in its early formation, some were needed only for their first work and dwin-fled down after it had been fulfilled ; these are the so-called rudimentary muscles which the Darwinians say have never been of use to the individual. Darwin made a capital attempt, but he made it far too soon, for it is plain we are only in the beginning of our knowledge of the animal and At an early stage of its existence the vegetable worlds. Many long years and many great men will come and pass away before we can be certain that we have really attained a good general idea of the plan and mechanism of organic

life. Meantime we can rest assured that true science and true religion never can contradict each other .-- Yours, &c.,

MODERN SCIENCE, Boston, Mass., U.S.A.

EVOLUTION.

Medical Man.

Dr. P. A. Smith, of Glasgow, lectured on Sunday before the members of St. Francis' Young Men's Society, Glas gow, on the much-debated question of Evolution. It is a topic that has claim ed close attention from Catholic scientists and theologians, such as Rev. Dr Zahm and Professor St. George Mivari, Recently in these columns, an able and exhaustive paper on Evolution appeared from the pen of Dr Colvin. Dr Smith fearlessly avows his adherence to the Biblical doctrine of a special creation. And this mainly for two reasons: (1) The imperfect, unconvincing and altogether faulty arguments and evidence adduced by Darwin, Huxley, Wallace, and other advocates of the ape theory. (2) The tendency of most theorists to ignore the existence of the human soul. Dr Smith devoted some time to a comparison of and laid especial emphasis on the abfew animals possess a vermiform appen- sence from the evolutionary chain of

Osoup, the Great Indian Orator.

Verbatim Report of his speech at the recent Conference iu Winnipeg.

Through the kindness of Indian Commissioner Forget the the Winnipeg TRIBUNE lately presented an accurate report of the most important speech delivered at the recent Indian Conference. It was spoken in the Sauteux language by Osoup, the great Chief, formerly of the Crooked Lake reserve, now at Pine River. He is over fifty the representatives of the government and years of age and has been an ex- the Indians, and I am never afraid to emplary practical Catholic for the last fitteen years. The followingspeech, which was delivered toward the close of the second day's conference and moved the Indians to consolidate the reserves, is well worth rendering as a specimen of Indian oratory and manly sincerity, though we are told that it necessarily loses much of its charm in translation.

Osoup's address to the Indian Commissioner was reported verbatim from Miss McLean's oral interpretation, on the spot. His | what our children can do and how well address to the Indian delegates, they are being trained. Surely it is exbeing pronounced without interruption, could not be so reported ; | at the results of only a few years of trainbut Miss McLean, at Commissio- | ing; surely it is reasonable that we ner Forget's request, wrote it out from memory and submitted the Indian nation will be able with the it to Osoup, who still remembered every word he had said and fally approved the present rendering.

Mr. A. E. Forget, introducing Chief Osoup, said he looked upon him as an old friend. He was trom the Crooked Lake agency, but was anxious to join the reserve at Pine River. His opinions and thoughts were always worth ren received during these absences from listening to

Osoup then came forward and ad dressing himself to the Indian Commissioner said: "I wish first of all to thank you for the invitation which was extended to me to be present at this conference, which is, as I understand it, a very generous one on the part of the the anatomy of the ape with that of man, department. I am, as you have said, an old friend of yours, and I hope also of very representative of the government.

honestly believe, after very serious consideration, to be the truth in so far as we are concerned. I am a stranger to most of you here and in justice to myself I must tell you the position I have always taken in any conference at which I have been invited to speak in behalf of our people. It is not the first time I have stool up to express my views on matters of great importance to the Indians. It cannot be said by anyone that I ever swallowed my works after once having spoken them. Not I am never placed in the position of maying to retract my opinion once it has been given. And why? Because I think deeply over any matter 1 undertake to discuss with both say what has to be said.

Now it is surely clear to you all this plan of gathering the Indians on to two large reservations, and you have, I and sure, thoroughly understood the advantages which will follow such an arrangement, for everything has been put clearly to us. And one thing has especially been very plainly explained and shown to us, and that is the very great advantage we enjoy in having our children educated and trained so as to enable them to compete in every way with the white man's child. In the visits we have made to the Industrial schools we have seen cusable if our hearts are filled with pride should look forward to the time when help of the education the children are receiving to do anything which our friends, the white men, can accomplish.

When we were promised schools did we realize what they meant? No ; to us they seemed really unnecessary, and only to be the means of separating us from our children. That these partings between parent and child were very hard we well understand, but how many of us understood the great benefits our childhome? I am sure none of us did until we saw last night and this morning what our children have learned since they left us. Our children are being educated by the department free of charge and are clothed and fed free of charge too. Is the government doing this because they have money to throw away or is it because they are interested in the future welfare of the Ifidian ? Are the representatives of our great mother, the Queen, giving us all the this for nothing? We must all see that the white men gets his children educated so they can not only earn something, but become men and women of whom they as a natiou will be proud. I tell you, my friends, that what we are getting for nothing the white men has to pay for. At one time I thought the government could get everything for nothing. Now I know very much better. As a matter of fact they as a government have to pay for all they give. Surely it is plain that the Indian is in every sense of the word the child of the government. But if we are children of the government let us not take advantage of this and act too much like children requiring to be coaxed and humored, having no care for the future. Our friend, the commissioner, has given us an example of the results accomplished by the gathering to-gether in one large city-what one time not so very long ago, was only a prairie-of a number of people of many demominations and from many lands. It must be true, as he said, that all these had a home in some land far away, a home which they felt with many a heartache, and after very serious consideration. But it was to their advantage to come out here and Turning to the Indians he said: "My leave their old homes. We, in coming set our nets for instance, will it not be Continued on page 3.

August 10th, 1897. The views of a Catholic

dix, or anything like it. The truth is wombat, and perhaps in the monotremes. Some authorities in zoology, however, deny that there is really an appendix in The subject of the so-called rudimentary organs might easily occupy columns of your weekly issue for a twelvemonth without being fully discussed, and then only those of your readers who had an advanced education in the natural sciences could understand what it was all about. But my point will be gained if if I show that there is at least another sensible explanation of what they are, as opposed to the Darwinian statement

Your correspondent then goes on to say

that the appendix performs has a useful

inconceivable antiquity. They are not absolutely useless organs, which was needed to build up the being to pass through different grades in order as the remains of a mechanism which highly unwise of any Cathelic of light all return to our reserves." was absolutely necessary to guide the and leading-and exemplar whose lead blood properly before yet the man began might be followed-to commit himself to breatne. The umbilicus is also the to a wholesale acceptance of the teachremnant of an organ of great value, and which from the nature of the case could never prove descent from the mature in presence of incontrovertible evidence, animal which possessed it, because its Holy Church will declare definitely possession in maturity would be an impossibility.

The "human foctus," as your corresciences and in enough of those facts to a fish gets that oxygen by gills from the

that "bete noir" of Darwinists, The Missing Link.

The Catholic Church, the learned doctor declared, is not, as commonly stated. velopment. The doctrines of the Nay, more, the Church is the friend knowledge. What the Church does discountenance is the indiscriminate proreasoning, and agnostic thought. Nowthat they have no other explanation views and wild speculations. There is doctrine of Revelation, and therefore ining of Darwin and Huxley. Let Catholics watch and wait. In due season and either for or against evolution.

Paris has just sent word to the women of the rest of the world that they are to wear their shoulders sloping. This, the "London Daily News" fashion authority observes, will be disagreeable news to many who have become so habituated to the little eminence on the top of the

I have listened to your words this afternoon with even more appreciation than I did yesterday, for though I had a fair idea of what education meant to the Inopposed to scientific inquiry and de dian children it has been increased very much after our visit to both the St. Boni-Church are in perfect concord with the face and Rupert's Land Industrial ascertained results of scientific research. schools. There we saw our children perform in entertainments which go very and patron of the arts and sciences, and far in showing us how well able the Inencourages her children in the persuit of dian is to compete with the white in learning, not only to be useful, but also entertaining as well. The singing was pagation of flimsy private theories, the especially good. But from the tone of growth of unskilled research, faulty some of the arguments which some of the Indians have taken to-day there yet adays, the man-in-the-street has his own seems something which holds some of pet theory of evolution based on clashing them back, which makes them hesitate in accepting this plan which you, as the than being useless heirlooms from an grave danger in these promiscuous im- representative of the department, have aginings, subversive, as they are, of the laid before us for consideration. To me everything seems easy and I would not but are the remnants of the mechanism compatible with true Catholicity. The hesitate for one moment in accepting real attitude of the Church on the ques- your suggestions, but my friends hold in the first stages of its life, where it has it on has been laid down by Father David, back. For that I am sorry. Surely O.S.F., one of the foremost theologians they do not understand what has seemed to reach a higher existence. Thus the of the day. In the present nebulous and so clear to me. Now with your permisrudiments in the human heart are well crude state of the evidence in favour of sion I will'say a few words to them. It known to the whole medical profession the theory of evolution, it would be is the last chance I shall have before we

> friends, in fact I might say now that to Winnipeg, have but to look around to there are so few of us left, my relations, see what the results have been. Have I have our great chief's, the commis- they forgotten the old home and the sioner's, permission to say a few words friends they left behind? No, I am sure to you before we bid each other good bye, not. But it is very evident to us all that and before we part from him. I am afraid they have not let the sorrow they left from what some of you have said that and the memories they still retain stand when we say our farewells it will be for in their way. They have gone ahead a long time. It is not likely that we and built up a city that is growing largshall meet again upon the invitation of er every year. In our case in leaving the government when what has seemed our present reservations we are not goso clear to them has not been treated so ing into a different country. When we favorably by some of us this evening. Now I must begin with what I have in the very same lake from which to say and I do not want you to think we have taken so many fish in the that I am saying anything but what I