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MR. DARWIN'S DOGTRINE REVIEWED

New and Wonderful Fanna-First Knowledge of the Giant Mon's Existence-Remarkable Animals Discovered.

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London, May 26—Not the heat remarkable among the events which have markable among the events which have been as the second of the second of the toric are those which form sails post in the just be dislodary. Within the sixty rears referred to see have first barried of the particular to the second of the second controlled to the particular beautiful to third corress of the earth have been exlated and special up as of Central Asia, where the second of the se

received an especial attention during the enga, while the magnifecet exposite from at the court districts of the Ne World. In the classification and me picking of dishers, as also in our knowedge of whales and other marine minagrent advances have been made. In ettryology and physiology, the strikes has been energated.

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The reign of Queen Uniteria will be nearly in frastree generation for scientistic discovery and a feature of the followers of the control of the control of the control tion of the control of the control of the control of the belong must carrie of congregate of the belong must carrie of congregate of the above impossible for workers at the precific day to realize how increted was sentence on the control of the control of the following the control of the control of part of grace. Its, "To core out that has been unde in even one break of this effective during the reina, would be present length, and it is hence a matter of present length, and it is hence a matter of

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and sounding was brought nearly to it research perfection. This and other ruises made during the reign have cought to our knowledge the luminous statements of the during the connection of the control of the connection of the control of the control of the control of the scienter will abundant at suitable depths in the covers. The publication of the scienfer results of the Challenger's cruise com-

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D. J. PRICE,
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8 DARWIN, THE LEADING MAN OF SCIENCE DURING THE QUEEN'S REIGN.

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ands shoes and job lot ladies' Oxi
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AUSTIN SHOE C

An Open Letter. Houston, Tex., May 19, 1807. W. D. Cleveland, Q. M. G., U. C. V.

col. W. D. Greening, C. S. L. G. T. C. C. W. Drivino of Texas, Honotto, Tex. During Sir-In groundrating advices to the Confederate Veteran comput through strangements made for handling those who will attend the remainst Xuskwille in June, we beg that you will embody in your advices the following information: The price of tickets from say main line. The price of tickets from say main line point in Texas between Honotton and Dal-

of the Houseon and Texas Central Railroad, Missouri, Kanasa and Texas Railway, or between Essenberg, Fort Worth and Dalias on the line of the Galf, Colcrado and Santa Fe Railway, will be \$13.50. The rates from points on our line I give in detail as follows:

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GREAT GEOLOGICAL MARVEL

ORY OF PROGRESS BY GREA

DARWIN PLAGED IN FRONT RANK

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of the Ice Age Proble

for The Statesman—Copyrighted. Lendon, May 20—As le the case with all other seisures, the progress of geology turing the lise it sixty years has become nore and more ruph. Its results have escenae more appreciated in proportion to the aproad of obsention among the people to the proposed of the control of the contractive of the control of the contractive of the control of the contractive of the control of the c

The splendid series of premains of fossill roses known to as illustrating the enccaive changes in destition, and in Justcase, and notably in the digits of the ot, has furnished an example that is mit with new in every text hook. Gopas even argued for the independent orinin of the house as a species in America, here acting on slightly dissimilar stignal refs.

t must, never be forgotien that Durwin mell stands in the first rank of geoloscial states in the first rank of geoloscial observers whether among taised chose or angelest law above the condtos of the Pacelle. His diary of his control of the pace of the point of the page appeared as Vol. 3 of the joint conpage appeared as Vol. 3 of the joint concorrelate were published in 1842, 1844 d 1846.

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GREAT GEOLOGICAL MARVELS

(Continued from Fifth Page.)

investigating similar crimes. The discovery of the relationships in structure of many of the cumbrons reptiles of the Mesozoic era the light limbed birds that seem to have arisen side by side with them, is one of the most striking results of these studies in comparative anatomy. Mescoric era use rear section of the with seem to have a risen side by a seal to dit hese send to have a risen side by results of these studies in comparative anatomy. While Mantell, Owen, Hulke, Seeley, and other workers have put before us the variety and richness of British repfilian retry and richness of British repfilian retry and relations of the section of the results of the Cretacons, which have given us altogether new conceptions of the nee of ginnt reptiles, and have restored a long series of Dinosaurs, from the Trias to the highest beds of the Cretacons, which have given us altogether new conceptions of the nee of ginnt reptiles assist reptiles of Texas and South Africa have been shown to embody hints of the incoming of the mammals, the group of the "Theromorpha" being far less spether than the second of the present star, Owen's Tritylodon, from the Karoo beds of South Africa, remains our best preserved and oldest mammalian stull, and the recent predicts and the second of the control of

accurate surveys, and private workers have occasionally shown how much may be done by patient investigation of a critical district, if aided by that power of comparison and generalization which concavity and the control of the cont accurate surveys, and private workers have occasionally shown how much may its present position during the actual period of mountain building. Similarly, Dr. Lawson has shown in Camada that the "Laurentian" gnelss is lutusive in the Huronian series, and is thus, in part at any rate, by no means the fundamental mass that it was once believed to repre-

sent.

Probably no physical problem has been attacked by geologists more keenly than that of the "great ice age." Since Agassiz, Ramsay, and others pointed out, above 1850, low large a part of the northern hemisphere must have been subject to ern femisphere must have been subject to Arctic conditions of snow api ice, and that these conditions must have prevailed in quite recent geological times, theory after theory has been put forward to ac-rective theory has been put forward to ac-prove for the widespread phenomena. "Great Ice Age" in "Great Personal and its third edition—and may be regarded, as the strongest champion of the land lice theory. Gigantic gladeries, extending theory. G theory. Gigantic glaciers, extending even from the pole, have been invoked by some, while others prefer a combination of land ice from local centres, with floating ice bringing boulders from a dis invoked

The cold epoch being a certainty. Dr. Croll set himself to account for it on astronomical grounds, and his elaborate theory, promignated in "Climate and Time." in 1875, held sway over the macroscients. Quite recently, however, Mr. Cold and the control of the problem on a more modern basis, and regards the astronomical theory as entirely insufficient, so we may be read to be control of the cold of th The cold epoch being a certainty, Dr.

nd warm water.

ille geology began its career as a
ally of minerology, the excitement
alcontological discovery for a long
caused the rocks themselves to be paleontological discov

little studied. The microscopic observa-tions of Cordier on the constitution of laws, carried out in 1815, bore little fruit until 1826 and 1858, when Dr. Sorby of Steffield drew attention to the value of the microscope in determining the characters and mode of origin of rocks. De-lesse in France had been a faitfuld stud-elant of polished surfaces but Sorby sow dent of polished surfaces but Sorby now introduced the general use of sections, or of powdered materials embedded in Can-ada balsam. The study of minerals by this method became a favorite one in Germany and France and we owe some the mutuation of the most important determinative tests to Fouque, Levy, Eusenbusch and Groth, to mention no other name. The establishment of the first geological laboratory by Professor, Judd in 1877, whereby the the teachers trained under the depart-students of the royal school of mines, received practical courses of instruction, probably did more than any other influence to promote the study of rocks in the British Isles and in our colonies. The position of geology as an educational subject rests in grey upon its outfloor aspects of the professor of the prof to base their classification of natural relationships traceable

preferred to base their classification of preferred to base their classification of the control deeny. Still, Lyell was able to point to the upper part of a skull, discovered in the Leanderthal in 1857, and to Huxley's description of it, as indicating a type of description of it, as indicating a type of the average of the rower than that of the average of the rower than that of the average of the rower than that of the average of the rower than a remains, the discovery of two skeletons with skulls of the Neanderthal type at a Spy, in Belgium, in 1898, gave immense probability to the idea that a race of men probability to the idea that a race of men time peopled the earth; and in October, 1891, Dr. Dubols excavated from vol-1891, Dr. Dubois excavated from vol-canic sands near Trinii, in Java, the cal-varium described by him as Pithecanthrocame saids near trimit, in siva, the calvarium described by him as Pithecanthroavent developed thigh home actual, with
a well developed thigh home actual, with
the sive of the sive of the sive of the sive of the
tooth, were found associated with truity
extinct and also locally extinet mammalia
and are referred by Dubois to an individual intermediate between man and the
anthropoid appes. Other discoveries in
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Burman in 1894, and has reputted his criics with considerable appearance of success, in a second paper in Natural Science
cess, in a second paper in Natural Science
in April of the present year. In the
February number of the same journal,
Mr. W. J. Lewis Abbott records similar
implements from the Cromer forest bed, and few geologists can remain who would

and few secologists can remain who would and few secologists can remain who would and few secologists can remain who would times. What forms precede revealed times. What forms precede revealed times. What forms precede revealed times and the self satisfaction of those who have failed to follow the course of pale-ordoxical discovery can no longer check and the self-distort the difficult and fascinating field. In conclusion, whatever impressions have been made by gifted public teachers we must never forget that each generalization in geology has been founded on a multitude of researches published in our scientific fournals. Hidden away there, dation stones of the science. In the multiplication of scientific observers, in their frequent self-sacrifice, in the high digial ty of their aims we may see the most stimulating outcome of the progress of stimulating outcome of the progress of ty of their aims we may see the n stimulating outcome of the progress these sixty years,

GRENVILLE A. J. COLE. M. R. I. A., F. G. S.

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