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In the nineteenth century, geology emerged as a distinct academic discipline. It pointed the way towards the theory of evolution, as scientists including Gideon Mantell, Adam Sedgwick, Charles Lyell and Roderick Murchison began to use the evidence of minerals, rock formations and fossils to demonstrate that the earth was older by millions of years than the conventional, Bible-based wisdom had supposed. They argued convincingly that the climate, flora and fauna of the distant past could be deduced from geological evidence. Volcanic activity, the formation of mountains, and the action of glaciers and rivers, tides and ocean currents also became better understood. This series includes landmark publications by pioneers of the modern earth sciences, who advanced the scientific understanding of our planet and the processes by which it is constantly re-shaped.

De corporibus marinis lapidescentibus quæ defossa reperiuntur

In 1747 the Roman publisher Venantius Monaldinus produced a Latin edition of two early works proposing the animal origins of fossils (reproduced here from the 1752 printing). The first, originally entitled *La vana speculazione*, first appeared in Italian in 1670. Its author, Agostino Scilla (1629–1700), was a skilled artist who painted fresco cycles in several churches in his native Sicily. From examining the fossils found in the strata on either side of the Strait of Messina and observing sedimentation in rivers, he deduced that not only molluscs but even the mysterious *glossopetrae* (actually fossilised sharks' teeth) were the remains of living organisms. The second essay, by Fabio Colonna (1567–1640), a Neapolitan botanist who corresponded with Galileo, appeared in 1616 as part of a longer Latin treatise, and also argues for the organic origins of *glossopetrae*. The book is illustrated by engravings of fossil and living marine animals.



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De corporibus marinis lapidescentibus quæ defossa reperiuntur

Addita dissertatione Fabii Columnæ de glossopetris

AGOSTINO SCILLA FABIO COLONNA





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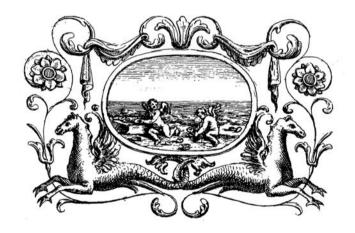
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ADDITA DISSERTATIONE

FABII COLUMNÆ

DE GLOSSOPETRIS

EDITIO ALTERA EMENDATIOR.



ROMÆ, MDCC LII.

Sumptibus Venantii Monaldini Bibliopola in via Cursus.

EX TYPOGRAPHIA LINGUARUM ORIENTALIUM ANGELI ROTILII, ET PHILIPPI BACCHELLI IN ÆDIBUS MAXIMORUM.

SUPERIORUM PERMISSU.





VII

INTERPRES LECTORI SALUTEM.

Ultis ab hinc annis Augustinus Scilla Siculus, pingendi arte illustris, & rerum antiquarum investigatione multo illustrior, banc epistolam italica lingua conscripsit, atque in lucem edidit Neapoli per Andream Colicchiam, anno scilicet 1670. eamque D. Marchioni Carolo Gregorio de Podio Gregorio equiti Stella dicavit. Epistola vero hunc titulum, ut ea ferebant tempora, in fronte præfixit: La vana speculazione disingannata dal sento. Hæc eadem in latinum sermonem versa iterum in præsentia sit publici juris. In ea vertenda munere functus fidi înterpretis minime curavi verbum verbo reddere, sed illa omnia, quæ ad officia, & ad obsequii, amoris & humanitatis significationem pertinebant, prætermisi, quum iis tota nimium fortasse bæc scateret epistola; verum ea selegi, que ad naturalem bi-Horiam pertinebant, ne eruditum, & ad solidam do-Arinam properantem, meris distinerem verbis. E civitate Messana scripsit Scilla hanc epistolam ad quemdam Doctorem, quo samiliariter utebatur, quique Melitæ commorabatur, nomen autem ejus honoris gratia reticuit, quum ab ejus sententia, que a doctis omnibus, his præsertim temporibus, uti absona rejicitur, longe distet, imo eam strenue oppugnet, ita ut si eum nominasset, visum quodammodo esset de amici inscitia triumphum agere voluisse. Ad hanc maxime scriptio-

nem



nem calcaria Scillæ addidit Paulus Bocconius Cosmi III. M. D. Etruriæ Botanicus, & rerum naturalium scrutator sagacissimus, ac editis operibus percelebris. Ma. gnis sane laudibus excepta est hæc opella, & semper apud doctos in pretio suit, cum ob recte philosophandi rationem, & ob sententiæ sirmitatem veritati confonam, tum ob imagines rerum naturalium, de quibus tractat auctor in boc libro, quæ graphice admodum & summa diligentia delineatæ sunt, & non minus eleganter & scite æri incisæ, quibus iisdem omnino use sumus in hac interpretationis editione. Plurimi quoque facienda est Dissertatio Fabii Columnæ Lincei, quam ad calcem bujus libelli adjecimus, quippe que in eodem argumento versatur; nam qualis vir suerit Columna notum est lippis atque tonsoribus, sed magis etiam elucet ex iis, quæ eruditus, ac plane doctus Johannes Bianchius Ariminensis scripsit in disertissi-mis lucubrationibus, quas ad ejusdem Columnæ OTTO-BAZANON adjecit. Itaque hanc Dissertationem, quum admodum rara, & inventu difficilis jam evaserit, operæ pretium duxi, iterum typis mandare. Vale.

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D E CORPORIBUS MARINIS LAPIDESCENTIBUS

