# CONTENTS OF VOL. 11.

## CHAPTER XVII.

#### GEOGRAPHERS AFTER ERATOSTHENES.

#### SECTION I.-Hipparchus.

### SECTION 2.—Polybius.

§ 1. His work marks an important epoch in geographical knowledge. Increased knowledge of the West, arising from extension of Roman power. § 2. Life and travels of Polybius. His great interest in geography. Little acquaintance with the western and § 3. General views. northern shores of Europe. § 6. His account of Spain, and of Gaul. § 5. Greatly increased knowledge of the Alps. Passes across them. § 6. Imperfect geographical notion. Statement as to their height. § 7. Geography of Italy. § 8. Of the countries on the Adriatic. § 9. The Via Egnatia ; value of Roman roads. § 10. Description of Byzantium, the Euxine, and the Palus Mæotis. § 11. Few notices concerning Asia. § 12. Valuable information respecting Asia Minor. § 13. Africa; increased knowledge of, from the Punic Wars. § 14. Exploring expedition commanded by Polybius: very imperfectly known to us. § 15. Doubts the continuity of the oceans. § 16. His statements of distances, as reported by Pliny 16

NOT	EA.	Hannibal's Pass	age	of the .	Alps	••	37
"	B.	Western Coast		Africa,	accordi	ing to	
		Polybius			••	••	40

PAGE

### CHAPTER XVIII.

## POLYBIUS TO POSIDONIUS.

## SECTION 1.—Progress of Roman Conquests.

§ 1. Progress of geographical knowledge from Polybius to Strabo dependent on that of Roman arms. Conquest of Southern Gaul, and of almost all Spain. § 2. Wars with Dalmatians, Pannonians, Thracians, &c. The Danube first reached. § 3. No progress in Asia. Hellenization of Bactria and adjacent provinces. § 4. Kise of Parthian monarchy an obstacle to extension of knowledge castwards ... Page 43

#### SECTION 2.—Greek Writers.

§ 1. Apollodorus of Alexandria: his treatise on the Homeric Catalogue of the Ships. His views of Homeric geography. § 2. Demetrius of Scepsis: his work on the Trojan Catalogue. His views concerning the site of Troy, and of Homeric geography generally. § 3. Agatharchides of Cnidus: his geographical work on the Red Sea. § 4. His description of tribes on the coast: the Ichthyophagi: the Chelonophagi. § 5. Inland tribes: the Rhizophagi, &c., the Elephantomachi. § 6. Curious information concerning their manners and customs: and the wild No notice of gold. § 7. The Troglodytes. Geographical animals. details of coast to the Straits. § 8. The Arabian coast. § 9. The Sabseans: their wealth and luxury. § 10. Their trade with India. Inland trade by caravans across Arabia. § 11. Time occupied by voyage from Palus Mceotis to Ethiopia 48 •• •• ••

#### SECTION 3.—Artemidorus.

### SECTION 4.-Scymnus Chius.

#### SECTION 5.—Voyage of Eudoxus.

§ 1. The voyage of Eudoxus of Cyzicus a real voyage of discovery. Narrative of it by Posidonius. His first voyage. § 2. His attempt to circumnavigate Africa: its unsuccessful result. § 3. Truthful character of the narrative, misrepresented by later writers ... Page 74

SECTION 6.—Roman Wars: the Jugurthine and Mithridatic Wars.

### · SECTION 7.-Posidonius.

NOTI	ΞΑ.	Greek Monarchs of Bactri	a <u>.</u>		page 102
,,	B.	Measurements of Mediterr	anean ac	cord-	
		ing to Artemidorus			103
"	C.	Tigranocerta	••	••	104
"	D.	River Arsanias		·	105
,,	E.	Gauls on the Danube	••	••	ið.
"	F.	Zeugma	 -	••	107

## CHAPTER XIX.

## CÆSAR'S WARS.

\$ 1. Roman province in Gaul. Cimbri and Teutones.
\$ 2. Cæsar determines on conquest of Gaul. The Helvetians: their migration and defeat.
\$ 3. Campaign against Ariovistus in Alsace.
\$ 4. War with the Belgæ. P. Crassus reduces the Armoricans. Revolt of the Alpine tribes. § 5. Revolt of the Armoricans. Naval war with the Veneti. Crassus subdues Aquitania. § 6. War with the Germans. Cæsar crosses the Rhine. § 7. His first expedition to Britain. § 8. His second expedition. § 9. Subsequent operations : he crosses the Rhine a second time. § 10. General revolt of the Gaulish nations, and final subjection. § 11. Cæsar's conquest of Gaul led to an accurate knowledge of the country. § 12. Tribes and towns : natural strongholds. § 13. Imperfect knowledge of Britain and Germany. § 14. Geographical account of Britain: no mention of Cassiterides. § 15. Imperfect acquaintance with Germany. § 16. Ethnographical notices of Germans. § 17. Civil Wars. March of Cato from Cyrene to Utica. § 18. Wars in the East. Expedition of Antony against the Parthians. Difficulty of following it in detail ... Page 109 •• ... ..

NOTE	E A.		135
,,	B.	Cæsar's Passage from Gaul to Britain	136
,,			137
,,	D.	Passage of the Thames	138
,,	E.	The Capital of Cassivellaunus	139
,,		British Tribes	ø.

## CHAPTER XX.

### BOMAN EMPIRE UNDER AUGUSTUS.

#### SECTION 1.—Roman Empire under Augustus.

§ 1. Roman Empire completed by the annexation of Egypt. Review of the provinces and dependent States. Spain. Gaul. § 2. Britain and Germany still independent. § 3. Annexation of provinces south of the Danube: Rhætia, Vindelicia, Noricum, and Pannonia. § 4. Subjugation of Alpine tribes in Italy. Cottian Alps independent. § 5. Illyricum and Dalmatia. § 6. Mœsia. The Danube the northern frontier. § 7. Nations north of the Danube: the Dacians, Bastarnæ, and Sarmatians. § 8. Sarmatian tribes from the Danube to the Borysthenes. Greek cities. Kingdom of Bosporus. § 9. Macedonia and Thrace. Province of Achaia. § 10. Asia. Roman province of the name. § 11. Bithynia, Pontus, Galatia. § 12. Cappadocia, Lycia, and Pamphylia. Cilicia, Commagene. § 13. Syria: native local dynasties preserved. § 14. Parthian monarchy, Atropatene, Armenia. Peaceful relations of Augustus with the Parthians. § 15. Establishment of Parthian Empire unfavourable to extension of geography. Apollodorus of Artemita. § 16. Isidorus of Charax : his work on the Stathmi Parthici. § 17. Relations of Rome with Scythians and Indians. § 18.

## SECTION 2.-Roman Writers: Juba.

#### SECTION 3.—Military Expeditions.

§ 1. Expedition of Ælius Gallus into Arabia. Narrative of it by Strabo.
 § 2. Geographical difficulties. Wealth of the Sabseans.
 § 3. Expedition of Petronius into Ethiopia.
 § 4. Of Cornelius Balbus against the Garamantes

### SECTION 4.—Wars in Germany.

\$1. Increased knowledge of Germany after the time of Cæsar. Drusus crosses the Rhine: his first campaign in Germany. §2. His second and third campaigns. Advances to the Elbe. §3. Campaigns of Tiberius. §4. Changes among the German nations. Migration of the Marcomanni §5. Defeat of Quintilius Varus. §6. Campaigns of Germanicus

186

### SECTION 5.—Diodorus.

NOTE	A.	Alpine Tribes			••		199
"		Galatia	•• .	••			200
"	C.	Tigers	••				201
"	D.	Juba's Account	of the	Nile	••		sb.
**	E.	The Fortunate	[slands	••	••	••	202
"	F.	Expedition of A	Elius G	allus	into A	rabia	204
"		Aliso		••	••	••	206
,,	H.	Defeat of Varu	5		••	••	207

## CHAPTER XXI.

### STRABO.

#### SECTION 1.—General Views.

§ 1. Strabo : his date and life : notices found in his works. § 2. His travels : his historical work : his geography written in advanced age. § 3. Relation of his geographical work to that of Eratosthenes. § 4. Historical and mythological digressions. § 5. His neglect of Herodotus. Discards the statements of Pytheas. § 6. Neglect of Roman writers. § 7. His work intended for the general reader. Difference of character from those of Pliny and Ptolemy. § 8. Great advance in physical geography. § 9. Inferior in regard to mathematical geography to Eratosthenes and Posidonius. His general views on this subject. § 10. Increase of materials for geography in his time. § 11. The first two books. His views on Homeric geography. § 12. Review of Eratosthenes. Geological speculations, § 13. Discussion of length and breadth of inhabited world. § 14. Defends Eratosthenes against Hipparchus: follows him generally in regard to Asia. § 15. Want of observations of latitude and longitude. The Sphragides. § 16. Review of Posidonius and Polybius. Division of the earth into zones. § 17. Outline of Strabo's own views : assumes general notion of figure of the earth, &c. § 18. Boundaries of habitable world : error as to breadth : his map of the Mediterranean inferior to that of Eratosthenes. § 19. Origin of erroneous conclusion. § 20. Northern and southern limits of the world. § 21. Mode of constructing a map. § 22. General description of the Mediterranean and the countries surrounding it. § 23. Erroneous ideas of figure and position of Spain, Gaul, and Britain. § 24. Imperfect notions of that of Italy, Sicily, and the other islands. § 25. General want of geographical accuracy. Vagueness as to distances.

Page 209

### SECTION 2.-Descriptive Geography-Europe.

 Description of Spain. § 2. Its civilization and wealth. Its mines. § 3. His account derived solely from Greek authorities. § 4. Islands adjacent to Spain. § 5. Geography of Gaul. § 6. Description of the provinces. § 7. Aquitania. Manners and customs of the Gauls. § 8. Britain: his knowledge derived almost entirely from Cæsar. Ierne. § 9. His account of the Alps greatly in advance of Polybius. § 10. Passes through them. § 11. Description of Italy and adjacent islands : its imperfections. The Apennines well described. Campania and its volcanic phenomena. Greek colonies. § 12. Sicily. Ætna. The Æolian Islands. § 13. Sardinia and Corsica. § 14. North of Europe. Germany. Shores of the Ocean. Very imperfect knowledge of all this part of Europe. § 15. Defective information concerning European Scythia. Conquests of Mithridates. The Tauric Chersonese. § 16. The Getæ or Dacians. Illyricum, Pannonia and Mœsia. § 17. Macedonia and Thrace. § 18. Three books devoted to Greece and the islands. Their unsatisfactory character. Chiefly occupied with Homeric geography. § 19. Erroneous geographical idea of Greece. § 20. Notices of physical geography. § 21. Islands of the Ægean. Page 239

NOTE	EA.	Age of Strabo	••			page 272
,,	B.	Volcanic Eruptions-	Thera:	and Met	hone	274
"		Distances of Chorog				275

## CHAPTER XXII.

### STRABO-(continued).

## SECTION 1.-Asia.

§ 1. Strabo in general followed Eratosthenes in respect to Asia. Its division into two parts by Mount Taurus. § 2. The Tanaïs and Palus Mæotis. Scythians and Sarmatians. § 3. Caucasian tribes on the east of the Euxine. Albanians, Iberians and Colchians. § 4. Detailed description of Caucasus. § 5. The Caspian Sea: regarded as an inlet of the Ocean. § 6. Nations east of the Caspian: the Dase, the Massagetae and Sacæ. § 7. Sogdiana, Bactriana, Aria, Margiana. The Seres. § 8. Termination of Asia to the east: its supposed extent. § 9. Armenia and Media. Description of the chain of Mount Taurus. § 10. Of the course of the Euphrates and Tigris. § 11. Armenia and Atropatene. Confusion respecting the lakes. The Greater Media. § 12. Cappadocia: full description derived in part from personal knowledge. § 13. Pontus: his description one of the most valuable parts of his work. Obscure mountain tribes in the interior. § 14. Imperfect acquaintance with interior of Asia Minor. Galatia. § 15. Phrygia. The provinces on the Ægean : Caria, Ionia, Lydia and the Troad. He follows Demetrius of Scepsis in respect of the Troad. § 16. Lycia, Pamphylia and Cilicia. § 17. Want of definite geographical data: erroneous statements of distances. § 18. Line of route taken from Artemidorus. Width of Asia Minor. § 19. His account of India: taken from Megasthenes and earlier writers. No later sources of knowledge. § 20. Imperfect geographical idea of the country: adopts that of Eratosthenes without alteration. The rivers of India. § 21. The great mountain chain to the north. No information as to the peninsula of India or Taprobane. § 22. Ariana: his use of the term :

#### SECTION 2.—Africa.

§ 1. Full and accurate description of Egypt. The voyage up the Nile.
§ 2. Canal across the isthmus of Suez.
§ 3. Particulars of Indian trade. Prosperity of Egypt, but decayed condition of Thebes and other towns.
§ 4. The Oases: the Upper Nile.
§ 5. General idea of form of Africa: same as that of Eratosthenes.
§ 6. Mauretania.
§ 7. Mount Atlas. The Gætulians: tribes of the interior.
§ 8. Provinces on the Mediterranean very briefly described.
§ 9. The Cyrenaïca. Silphium. Native tribes of the interior.
§ 10. The work of Strabo little known till long after his death. Its great celebrity among the Byzantines.

321

NOTE A. The Chalybes .. .. .. .. 336

## CHAPTER XXIII,

### STRABO TO PLINY.

#### SECTION 1.—Strabo to Pliny.

#### SECTION 2.—Pomponius Mela.

\$ 1. His work the only regular geographical treatise in Latin. Its date.
\$ 2. Peculiar arrangement. Division of the continents. The Antichthones.
\$ 3. Popular character of his work. His statements often taken from early writers.
\$ 4. Want of critical judgement: fables and errors.
\$ 5. His geography of Western Europe: in advance of the Greek

writers. § 6. His account of Gaul and Britain. The Orcades. § 7. Imperfect account of Germany. Sarmatians. § 8. Caspian Sea. Eastern extremity of Asia. § 9. India. § 10. Western Asia. § 11. Arabia and interior of Libya. § 12. External coast of Africa Page 352

NOTH	E.A.	British Pearls				page 369
			••	••	••	009
,,	В.	The Dumnonii 🛛				ib.
,,	C.	The Age of Mela		••	••	370

## CHAPTER XXIV.

### PLINY.

#### SECTION 1.-General Views.

### SECTION 2.—Descriptive Geography—Europe.

### SECTION 3.—Geography of Asia and Africa.

More interesting than his account of Europe. Contains additional information. Asia Minor. § 2. Syria. Palmyra. § 3. The Euphrates and the Tigris. § 4. Armenia and the Caucasus. Vague account of the Caspian and lands beyond. Margiana. § 5. Parthian Empire:

its divisions. Parthia Proper. § 6. Meagre account of Upper Asia: and of Scythian tribes : the Seres. § 7. India : considerable advance in the knowledge of it in the time of Pliny. The Ganges and its tributaries. The Indus. General conformation of India. § 8. Trade with India. Voyage from Arabia direct to India: and back. § 9. Examination of his account: its authentic character. § 10. Taprobane : additional information recently obtained concerning it. Trade with the Seres. § 11. Description of Arabia: apparent fulness. but defective in reality. § 12. Periplus of the coasts: enumeration of tribes of the interior. Extent of Roman knowledge of the country. § 13. Erroneous estimate of its size. § 14. The Red Sea and coast of Africa outside the Straits. § 15. Interior of Africa : Roman explorations. Confused account of Ethiopia. The southern ocean. § 16. The western coast of Africa. Confused accounts from different sources. § 17. North of Africa. Mauretania. Mount Atlas. § 18. Mediterranean coast. Vague notices of tribes of the interior. § 19. His mention of the river Niger or Nigris. § 20. His account of the Nile and of Egypt. § 21. Comparison of the size of the continents. His enumeration of the *climata* .. Page 405 ... •• •• ••• ••

NOTE A.	Sources of the Tigris	 раде 439
, В.	Writers on Ethiopia	 <b>44</b> 0
" C.	Pliny's Account of the Climata	 441

## CHAPTER XXV.

### PERIPLUS OF THE ERYTHRÆAN SEA.

§1. Peculiar character of the document known by this name: its accuracy.
§2. Its date: may be assigned to the reign of Domitian. Not the authority used by Ptolemy.
§3. Description of voyage down the Red Sea: Auxuma.
§4. From Adulis to Cape Aromata.
§5. Trade and productions.
§6. Cape Aromata, Tabæ, Opone.
§7. Coast from Opone to Rhapta.
§8. Identification of localities: Rhapta the limit of knowledge.
§9. Arabian coasts of the Red Sea, from Leuce Come to Muza.
§10. From Muza to Cane.
§11. From Cane to the Zenobian Islands.
§12. The Persian Gulf.
§13. Omana: Scythia.
§14. Mouths of the Indus: Gulfs of Eirinon and Barace.
§15. Barygaza.
§16. Tidal phenomena.
§17. Configuration of coast of Limyrice. Muziris and Nelkynda.
§20. Imports and exports: arrangements of trade.
§21. Account of navigation from Arabia direct to the Indian ports.
§22. Nelkynda the limit of ordinary

trade. Imperfect information beyond. Colchi and the pearl fishery. § 23. Taprobane. The mouth of the Ganges. Chryse. 8 24. Trade from the Ganges with Thinge Page 443 •• .. ... PAGE NOTE A. Destruction of town of Arabia Felix ... 478 B. Minnagara \*\* •• ю. •• ..

## CHAPTER XXVI.

#### PLINY TO PTOLEMY.

### SECTION 1.—Dionysius Pariegetes.

 Poetical work of Dionysius: its unpretentious character.
 Its date: probably belongs to the reign of Domitian: its want of poetical merit.
 3. His general views of geography.
 4. The great Indian promontory: the Seres.
 5. The Scythian tribes: the Huns.
 6. Imperfect knowledge of western nations. British Islands. Chryse and Taprobane.
 7. India and Arabia: the Nile.
 8. Great reputation enjoyed by his little work: paraphrases and translations

## SECTION 2.-Tacitus.

## SECTION 3.—Progress of Roman Arms: Extension of the Empire.

§ 1. The Roman Empire at its height from Domitian to Trajan. Wars with the Dacians. § 2. Trajan: his conquest of Dacia: reduces it to a Roman province. § 3. His wars in the East: crosses the Euphrates and Tigris: navigates the Persian Gulf. § 4. Peaceful reign of Hadrian: his administrative talents: makes the tour of the empire: his visit to Britain: his wall. § 5. His travels: imperfect account of them. § 6. Arrian: his Periplus of the Euxine: a report addressed to the emperor. § 7. Contains a minute and detailed Periplus of the

#### CONTENTS OF VOL. II.

south coast : with a brief account of the rest. § 8. Reign of Antoninus Pius: his wall in Britain. § 9. Extended knowledge of distant Page 502 countries. Roman embassy to China •• ... .. PAGE 516 NOTE A. Dacia ... 517 B. Travels of Hadrian . . . . ...

### CHAPTER XXVII.

### MARINUS TYRIUS.

§ 1. The work of Marinus known to us only through Ptolemy. Impossible to judge of his merits. § 2. Solely engaged in collecting materials for the map of the world. § 3. Determination of length and breadth of inhabited world: great extension of both. § 4. Breadth. Roman expeditions in the land of the Ethiopians : Agisymba. § 5. Enormous exaggeration of result. § 6. Extension of coast of Africa to the south: equally exaggerated. Cape Prasum. § 7. Thule the limit to the north. § 8. Length of the world. Position of the Fortunate Islands. Length of the Mediterranean. § 9. Increased trade with the Seres. Itinerary from the Euphrates to Sera. § 10. Calculation of distances : the result vastly in excess. § 11. Supposed confirmation by calculation of extension by sea. § 12. Increased knowledge of lands beyond Cape Comorin. The Gangetic Gulf: coast from thence to Cattigara. § 13. Periplus of the coasts : unskilfully dealt with by Marinus. § 14. The result utterly erroneous. § 15. Disbelief in connection of Oceans. Probably the result of recent discoveries. § 16. Marinus adopts the measurement of the earth by Posidonius: and reckons only 500 stadia to a degree. § 17. Special importance of this error from nature of his work. § 18. Attempts to realise the idea of Hipparchus of a map founded on astronomical observations. § 19. His map of the Mediterranean generally adopted by Ptolemy. Defective arrangement of his work. § 20. Imperfect mode of drawing maps. § 21. Impossible to criticize his results in detail. His work wholly superseded by that of Ptolemy ... 519 ... ... .. •• •• ••

## CHAPTER XXVIII.

#### PTOLEMY.

#### PART 1.—His Geographical System.

§ 1. Ptolemy : his date and that of his work. § 2. His obligations to Marinus of Tyre. § 3. More of an astronomer than a geographer. Took up the idea of Hipparchus. § 4. Attempt to construct a map, based on observations of latitude and longitude. Unable to carry out the idea. but retained the form. § 5. His six books of tables: advantage of this form. § 6. Calculated to mislead by a deceptive appearance of accuracy. § 7. Erroneous estimate of their value in consequence. § 8. Ptolemy's own account of his mode of proceeding. § 9. His corrections of Marinus. § 10. His positions for the Mediterranean and the Roman Empire devoid of all scientific authority. Paucity of astronomical observations. § 11. Attempt to correct longitudes. § 12. Examination of his map of the Mediterranean. Erroneous position of Sardinia and Corsica : and of Carthage. § 13. Massilia and Byzantium : Alexandria and Rhodes. § 14. His longitudes still more erroneous. Source of this error. § 15. Reckons only 500 stadia to a degree. Effect of this false graduation on his map. § 16. Erroneous position of the Fortunate Islands: and therefore of his prime meridian. § 17. Correction of his longitudes according to true graduation. Amount of error remaining. § 18. Tendency to exaggerate distances. § 19. Continuation of map eastwards of the Mediterranean: vitiated by the same causes. Corrections of Marinus. § 20. Estimates of distance to Sera and the Singe. Indefinite limits of the world. § 21. Breadth of the world from Prasum to Thule. § 22. The eighth book : its peculiar character. § 23. Its supposed scientific value. § 24. Its real purpose. Not based upon real observations. § 25. Ptolemy's mode of constructing his maps. His theoretical skill. § 26. The maps appended to his work: probably copied from the originals ... .. Page 546

### CHAPTER XXIX.

## PTOLEMY-(continued).

### PART 2.—Detailed Geography.

§ 1. Extent of geographical information possessed by Ptolemy. Increased knowledge of the British Islands. § 2. Description of Ireland. § 3. Britain: his accurate knowledge of the southern portion. Strange error with regard to position of Scotland. § 4. The neighbouring islands misplaced: the Orcades. Thule. § 5. Gaul and Spain: His materials: errors in geographical application of them. § 6. Rivers in Gaul. § 7. Germany : defective character of his map. § 8. Sarmatia : the nations that inhabited it. § 9. Confusion as to rivers and mountains: false idea of the Palus Mæotis. § 10. Accurate notion of the Caspian: acquainted with the Volga. § 11. Countries bordering on the Mediterranean: inaccurate positions assigned on his map. § 12. Improved map of Greece. § 13. Scythia: its division by Mt. Imaus. § 14. Vagueness of notions concerning Northern Asia: confusion of names from different sources. § 15. Account of Serica. § 16. And of the Sinæ. Extended knowledge of south-east of Asia. § 17. Erroneous view of position of India. § 18. Erroneous exaggeration of size of Cevion. § 19. Misconception of the countries east of the Gangetic Gulf. § 20. Possessed valuable information: but his geographical arrangements altogether wrong. § 21. Confusion of whole subject: impossible to identify Cattigara or Thinge. § 22. Iabadius. Supposed continuous land connecting Asia with Africa. § 23. His account of Arabia: improved periplus of the coast: tribes and towns of the interior. § 24. Africa: his knowledge did not extend beyond that of Marinus. Difficulties attending his account of the sources of the Nile: its correctness proved by recent discoveries. § 26. His knowledge derived from the east coast. Trade with Rhapta. § 27. Mountains of the Moon. § 28. The Gir and Nigir. Ptolemy's account of them. Its difficulties. § 29. Division of modern geographers upon the subject. § 30. Connection of Ptolemv's two rivers with the Atlas and Northern Africa. § 31. Peculiar conformation of this part of Africa: its wadies and lakes. § 32. Erroneous position in latitude assigned to the rivers. Its coincidence with that of the Quorra accidental. § 33. No mention of the great desert of Sahara. § 34. Difficulty of identifying the Gir and Nigir with any known rivers. § 35. Ptolemy's account of the west coast of Africa. Pervading errors with regard to latitudes. Probable identifications. § 37. Erroneous position of the Fortunate Islands : and of Cerne. § 38. Untrustworthy character of his geography of Africa. § 39. Deficiency of materials concealed by the scientific form in which they are arranged. § 40. Ptolemy's want of conception of physical geography. Imperfect indication of mountains and rivers. § 41. His erroneous longitude for India contributed to the discovery of America Page 580 .. ••

NOTE	A.	Rate of marching in Africa			page 637
"	В.	Ptolemy's Longitudes in the	Med	liter-	
		ranean	••		638
"	C.	Latitude of Thule	••		639
"	D.	Ptolemy's Map of Scotland			640
"	Е.	Oxiana Palus			641
"	F.	Ptolemy's Map of India			642
"	G.	Iabadius.	••	••	643

## CHAPTER XXX.

### GEOGRAPHY AFTEB PTOLEMY.

## SECTION 1.—Historical Events.

### SECTION 2.— Greek Writers.

§ 1. Pausanias: his Description of Greece: its object archæological, not geographical. § 2. His digressions : account of the Ethiopians and Mount Atlas. § 3. Notice of the Seres and production of silk. § 4. Other Greek writers after Ptolemy very poor and meagre. § 5. Marcianus of Heraclea. His Periplus of the Outer Sea: adds nothing to the information of Ptolemy. § 6. Exaggerates still more the size of Taprobane. § 7. His account of the western lands and of Britain. § 8. His epitome of Menippus. § 9. Anonymous Periplus of the Euxine. § 10. The Stadiasmus of the Great Sea. Its peculiar character and value. § 11. Agathemerus : his treatise on geography. § 12. Stephanus of Byzantium: his Geographical Dictionary: its purpose in reality grammatical, not geographical: the extant work a mere abridgement ... 655 •• • • •• •• ..

				PAGE
NOTE	А.	Province of Valentia in Britain		672
"	B.	The Stadiasmus of the Great Sea	••	ib.

## CHAPTER XXXI.

## GEOGRAPHY AFTER PTOLEMY-(continued).

### Roman Writers.

§ 1. Miserable character of the literature of this period. Solinus: his work taken almost wholly from Pliny. § 2. His notice of the British Islands: and of the Seres. Popularity of his work in the middle ages. Use of the word "Mediterranean." § 3. Ammianus Marcellinus: his historical work: its merits. His geographical episodes. § 4. Their defective execution. Account of nations adjoining the Roman Empire. The Huns and the Alani: the Saracens. § 5. Avienas: his poetical Description of the World : a translation of Dionysius. § 6. Another translation of the same work by Priscianus. § 7. The Ora Maritima of Avienus: a clumsy compilation ; his authorities. § 8. His account of the voyage of Himilco, and of the tin islands. § 9. Ausonius : his poem of the Mosella: its geographical notices. His Ordo Nobilium Urbium. § 10. Rutilius: his poetical account of his voyage. § 11. Orosius: summary of geography prefixed to his history. § 12. Julius Æthicus and Julius Honorius. § 13. Itineraries. Itinerary of Antoninus. § 14. The Jerusalem Itinerary. § 15. The Tabula Peutingeriana. § 16. The Notitia Dignitatum: its account of the Roman Wall in Britain. § 17. The anonymous Geographer of Ravenna. § 12. Dicuil : his account of Thule •• Page 675 .. ..

NOTI	E A.	Voyage of Himilco	••	<b>PAGE</b> 703
,,	B.	The Cosmography of Æthicus	••	ib.
**		Measurement of Roman Empire		706