assistance of his sons, and of Krafft and Lexell, however, | EUMENES, a native of Cardia, a city in the Thracian he continued his labours, neither the loss of his sight nor Chersonesus, was born 360 g.c., and died in 315. At a the infirmities of an advanced age being sufficient to check very early age he was employed as private secretary by his activity. Having engaged to furnish the Academy of | Philip king of Macedonia, and on the death of that prince St Petersburg with as many memoirs as would be sufficient he was continued in the same office by Alexander. In this to complete its acts for twenty years after his death, he capacity he accompanied Alexander into Asia. The esteem in seven years transmitted to the academy above seventy memoirs, and left above two hundred more, which were revised and completed by another hand.

Euler's knowledge was more general than might have been expected in one who had pursued with such unremitting Artabazus. Upon the death of Alexander, the provinces ardour mathematics and astronomy as his favourite studies. He had made very considerable progress in medical, botanical, and chemical science, and he was an excellent classical scholar, and extensively read in general literature. He was much indebted to an uncommon memory, which seemed to retain every idea that was conveyed to it, either from reading or meditation. He could repeat the Eneid of Virgil from the beginning to the end without hesitation, and indicate the first and last line of every page of the edition which he used. Euler's constitution was uncommonly vigorous, and his general health was always good. He was enabled to continue his labours to the very close of his life, so that it was said of him that he ceased to calculate and to breathe at nearly the same moment. His last subject of investigation was the motion of balloons, and the last subject on which he conversed was the newly discovered planet Herschel. On the 18th September 1783, whilst he was amusing himself at tea with one of his grandchildren, he was struck with apoplexy, which terminated his illustrious career at the age of seventy-six. Euler's genius was great, and his industry still greater. His works, if printed in their completeness, would occupy from 50 to 80 quarto volumes. He was simple and upright in his character, and had a strong religious faith. He was twice married, his second wife being a half-sister of his first, and he had a numerous family, several of whom attained to distinction. His eloge was written for the French Academy by Condorcet, and an account of his life, with a list of his works, was written by Von Fuss, the secretary to the Imperial Academy of St Petersburg.

The works which Euler published separately are—Dissertatio physica de Sono, Basel, 1727, in 4to; Mechanica, sive Motus scientia analytice exposita, Petersb., 1736, in 2 vols. 4to; Einleitung in the Arithmetik, ibid. 1738, in 2 vols. 8vo, in German and Russian; Tentamen Novæ Theoriæ Musicæ, ibid. 1739, in 4to; Methodus inveniendi lineas curvas, maximi minimive proprietate gaudentes, Lausanne, 1744, in 4to; Theoria motuum Planetarum et Cometarum, Parlin 1744, in 4to; Theoria motuum Planetarum et Cometarum, Lausanne, 1744, in 4to; Theoria motuum Planetarum et Cometarum, Berlin, 1744 in 4to; Beantwortung, etc., or Answers to different Questions respecting Comets, ibid. 1744, in 8vo; Newe Grundsätze, etc., or New Principles of Artillery, translated from the English of Benjamin Robins, with notes and illustrations, ibid. 1745, in 8vo; Opuscula varii argumenti, ibid. 1746-51, in 3 vols. 4to; Novæ et correctæ Tabulæ ad loca Lunæ commutanda, ibid. 1746, in 4to; Tabulæ Astronomicæ Solis et Lunæ, ibid. 4to; Gedanken, etc., or Thoughts on the Elements of Bodies, ibid. 4to; Retung der Gottlichen Offenbarung, etc., Defence of Divine Revelation against Freethinkers, ibid, 1747, in 4to; Introductio in Analysin Infinitorum, Lausanne, 1748, in 2 vols. 4to; Scientia Navalis, seu Tractatus de construendis ac dirigendis navibus, Petersb. 1749, in 2 vols. 4to; Theoria motus Lunæ, Berlin, 1753, in 4to; Dissertatio de principio minimæ actionis, una cum examine Objectionum cl. prof. Kænigii, Theoria motus Luna, Berlin, 1753, in 4to; Dissertatio de principio minima actionis, una cum examine Objectionum cl. prof. Kanigii, ibid. 1753, in 8vo; Institutiones Calculi Differentialis, cum ejus usu in analysi Infinitorum ac doctrina Serierum, ibid. 1755, in 4to; Constructio Lenium Objectivarum, etc., Petersb. 1762, in 4to; Theoria motus corporum solidorum seu rigidorum, Rostock, 1765, in 4to; Institutiones Calculi Integralis, Petersb. 1768-1770, in 3 vols. 4to; Lettres à une Princes d'Allemagne sur quelques sujets de Physique et Philosophie, Petersb. 1768-1772, in 3 vols. 8vo; Anleitung zur Algebra, or Introduction to Algebra, ibid. 1770, in 8vo: Powdrica, ibid. 1767-1771, in 3 vols. 4to. Theoria motum

in which he was held by his royal master was proved by his being retained in confidence in spite of the enmity of Hephæstion, by his appointment to a high military comand armies were divided amongst his generals, and the countries assigned to Eumenes were Cappadocia and Paphlagonia, with the sea-coast of Pontus as far as Trapezus: but as they were not yet subdued, Leonnatus and Antigonus were charged by Perdiccas to put him in possession. Antigonus, however, disregarded the orders of Perdiccas: and Leonnatus, having in vain attempted to induce Eumenes to accompany him to the assistance of Antipater in Europe, made an unsuccessful attack on his life. Eumenes. however, escaped his vengeance and joined Perdiccas, who assisted him in taking possession of Cappadocia. When Craterus and Antipater, having reduced Greece, determined to pass into Asia and overthrow the power of Perdiccas. their first blow was aimed at Cappadocia; and in the emergency Eumenes was appointed commander of all the forces in the neighbouring countries. But to this Neoptolemus, one of the generals, refused to submit; and being defeated by Eumenes, he fled to Antipater and Craterus The presence of Antipater was required in Cilicia, and the army destined to act against Eumenes was therefore commanded by Craterus and Neoptolemus. They were, however, completely defeated; Neoptolemus was killed, and Craterus died of his wounds, 321 B.C. When the Macedonian chiefs received intelligence of the defeat of two of their generals by one whom they considered a stranger, only a few days after the death of Perdiccas, they condemned Eumenes to death, and charged Antipater and Antigonus with the execution of their order. Eumenes was at first successful, but being defeated through the treachery of one of his officers, he fled to Nora, a strong fortress on the confines of Cappadocia and Lycaonia. Here he made a successful resistance, and was afterwards appointed by Olympias to command the army against Antigonus, whose intentions could no longer be misunderstood. He gained a battle against his adversary, but unfortunately lost the baggage and women belonging to his Macedonian phalanx. Antigonus offered to restore them on condition that the soldiers would surrender Eumenes into his hands. The offer was complied with, and Eumenes, having been thus basely betrayed, was put to death in the forty-fifth year of his age. (Plutarch, Life of Eumenes; Nepos; Diodor. Sic., xviii. 30.)

EUMENIDES. See ERINYES. EUNAPIUS, a Greek sophist and historian, born at Sardis 347 A.D. In his native city he studied under his relative the sophist Chrysanthius, from whom it is supposed that he imbibed the enmity to Christianity which his works display. While still a youth he went to Athens, where he became a favourite pupil of Proæresius. He possessed a considerable knowledge of medicine. In his later years he seems to have resided at Athens, teaching rhetoric. There is evidence that he was still living in the reign of the younger Theodosius. He was the author of two works, one entitled Lives of the Sophists (Bion periodow) Analytica, or Introduction to Algebra, ibid. 1770, in 8vo; Dioptrica, ibid. 1767-1771, in 3 vols. 4to; Theoria motuum καὶ σοφιστῶν), and the other consisting of a continuation of Lunas nova methodo pertractata, ibid. 1772, in 4to; Novæ Tabulæ Lunares, ibid. in 8vo; Théorie complète de la construction et de la manœuvre des Vaisseaux, ibid. 1773, in 8vo; Eclaircissements de la manœuvre des Vaisseaux, ibid. 1773, in 8vo; Eclaircissements de la works is bad, and they are written in a spirit of bitter date; Opuscula Analytica, Petersb. 1783-1785, in 2 vols. 4to. deats chiefly with the contemporaries of the author, is valuable as the only source for the history of the philosophy of that period. The best edition is that of Boissonade with translation of the first apology of Eunomius: notes by Wyttenbach (Amsterdam, 1822). See a notice of Eunapius by Cousin in his Fragments philosophiques pour

servir a l'histoire de la philosophie (1865).

EUNOMIUS, one of the chief leaders of the extreme or theology under Actius, whose secretary he became. He to his extreme Arian views, with the result that the inhabitants of Cyzicus lodged a complaint against him, and Eudoxius was compelled, by command of the emperor close intercourse with Aetius, consolidating an heretical party He was recalled, however, before he reached his destination. his commentary on the epistle to the Romans, mentioned exists only in the quotations given from it in a refutation by Gregory of Nyssa. The exposition of faith (Έκθεσις τῆς πίστεως), called forth by the above-mentioned demand of Theodosius, is still extant, and has been edited by Valesius in his notes to Socrates, and by Rettberg in his these works, was developed by an exclusively logical application of the fundamental idea of the unity of God homoousian and the homoiousian theory, he was dialectically probably the ablest and most consistent defender of Anomæanism, or the doctrine according to which the Son is essentially or substantially different from the Father. doctrine to a practical issue by altering the baptismal formula. Instead of baptizing in the name of the Trinity, of Christ. This alteration was regarded by the orthodox as so serious that Eunomians on returning to the church were re-baptized, though the Arians were not. The Eunomian heresy was formally condemned by the œcu- also Haxthausen, Russian Empire, vol. i.) menical council of Constantinople. The sect maintained a separate existence for some time, but gradually fell the head of a circle in the government of Taurida about 50

EUNUCH (εὐνοῦχος), an emasculated person. From remote antiquity among the Orientals, as also at a later period in Greece, eunuchs were employed to take charge of the women, or generally as chamberlains .- whence the Anomogan Arians, who are sometimes accordingly called Eunomians, was born at Dacora in Cappadocia early in the bedchamber. Their position in the harems of princes the 4th century. Under the advice of the Arian bishop affording them the ready means of access to the royal person. Secundus of Antioch, he was sent to Alexandria to study it is not surprising that they were frequently enabled to exercise an important influence over princes, and even to afterwards came under the influence of Eudoxius of raise themselves to stations of great trust and power. Hence Antioch, where he was ordained deacon. On the recommendation of Eudoxius he was appointed bishop of Cyzicus in 360. In this position he gave unrestrained utterance eunuchs are necessarily deficient in courage and in intellect eunuchs are necessarily deficient in courage and in intellectual vigour is amply refuted by history. We are told, for example, by Herodotus that in Persia they were especially prized for their fidelity; and they were frequently promoted Constantine, to depose him from the bishopric within a year of his elevation to it. During the reigns of Julian the Apostate and Jovian, he resided in Constantinople in of Atarnea in Mysia, to whose manes the great Aristotle of Atarnea in Mysia, to whose manes the great Aristotle offered sacrifices, besides celebrating the praises of his and consecrating schismatical bishops. He next resided at Chalcedon, from which he was banished to Mauritania by to Virtue (see Lucian's dialogue entitled Eunuchus). the emperor Valens for harbouring the rebel Procopius. To multiply instances were superfluous. The capacity of this class of persons for public affairs is strikingly illustrated In 383 the emperor Theodosius, who had demanded a by the histories of Persia, India, and China; and we need declaration of faith from all party leaders, punished Eunomius for continuing to teach his distinctive doctrines, the later Roman emperors. The hideous trade of castrating by banishing him to Halmyris in Mœsia. He afterwards boys to be sold as eunuchs for Moslem harems has continued resided at Chalcedon and at Caesarea in Cappadocia, from to modern times, the principal district whence they are which he was expelled by the inhabitants for writing taken being the inland of north-eastern Africa. As the against their bishop Basilius. His last days were spent at Dacora his birthplace, where he died about 394. The larger proportion of children die after the operation (generally total removal), such as recover fetch at least three or writings of Eunomius were held in high reputation by his party, and their influence was so much dreaded by the orthodox, that more than one imperial edict was issued for their destruction (Cod. Theod., xvi. 34). Consequently have a wight till lately be been destruction as the ordinary price of slaves. Even more vile, as being practised among a civilized European nation, has been their destruction (Cod. Theod., xvi. 34). Consequently adult soprano singers, such as might till lately be heard by the historian Socrates, and his epistles, mentioned by in the Sixtine Chapel. Though such mutilation is a crime Philostorgius and Photius, are no longer extant. His first apologetical work (Απολογητικός), written probably failed so long as their musical powers were in demand in about 360 or 365, has been entirely recovered from the celebrated refutation of it by Basilius, and may be found by public opinion, they remained the musical glory and moral in Fabricius's Bibl. Gr., viii., pp. 262-305. A second apology, written before 379 (ὁπὲρ ἀπολογίας ἀπολογίας, pope (Leo XIII.), one of whose first acts was to get rid of them. Mention must here also be made of the class of voluntary eunuchs, who have emasculated themselves, or caused the operation to be performed on them. for the avoidance of sexual sin or temptation. This unnatural development of asceticism appears in early Marcelliana. The doctrine of Eunomius, as displayed in these works, was developed by an exclusively logical xix. 12, v. 28-30. Origen's case is the most celebrated to the orthodox Trinitarian view. Denying alike the of eunuchs, of whom Augustine says (De Hæres.. c. 37), example, and by the 3d century there had arisen a sect "Valesii et seipsos castrant et hospites suos, hoc modo existimantes Deo se debere servire" (see Neander, History of Chr. Church, vol ii. p. 462; Bingham, Antiq. Chr. Church, book iv. chap. 3). Such practices have been According to Socrates (v. 24), Eunomius carried his always opposed by the general body of the Christian churches, but have not even now ceased. It recently came into notice how large and prosperous a secret sect of the he baptized in the name of the Creator and into the death | kind exists in Russia, whose practice of castration is expressed in the name of Skopzi, by which they are commonly described. (For details see F. v. Stein in Zeitschrift für Ethnologie, 1875, p. 37, and Journal of Anthropology, 1870;

EUPATORIA, a seaport town of European Russia, at

anchor near the town in a depth of 18 or 15 feet. The 1871 the total was 8294.

It is believed that in the 5th century B.C. there was a town It is believed that in the 5th century B.C. there was a town Coronitis, in this part of the Chersonese, and according to some authorities it was near this spot that a military post called Eupatorium was established in the 1st century A.D. by Diophantes, the general of Mithradates Eupator. About the end of the 15th century the Tatars built the fortress of Gezlevé on the present site, and it became the centre of one of the principal towns of the Crimea. It was occupied for the first time by the Russians under Marshal Munich in 1736, and for the second time in 1771 by Prince Dolgorukoff. Its annexation to Russia took place in 1783, and in the following year it was made the chief town of a circle. In 1844 the Anglo-French troops were landed at Eupatoria, and in February 1855 the town was occupied by the Turkish forces under Omer Pasha.

EUPEN (French Néau), the chief town of a circle in the district of Aix-la-Chapelle, Rhenish province of Prussia, is situated in a beautiful valley at the confluence of the Hill and Vesdre, on the Rhenish railway, 9 miles south of Aixbreweries, and also carries on a considerable trade in cattle, butter, and cheese. It has a Protestant and 6 Catholic lunatic asylum. Eupen until 1801 was under the government of Austria, and belonged to the duchy of Limburg, but at the peace of Lunéville it came into the possession of in 1875 was 14,895.

EUPHORBIUM, an acrid dull-vellow or brown resin, fera, Berg., a cactus-like perennial plant of the natural order the ruice to harden in the heat of the sun, In collecting tine; in water it is only slightly soluble. Its constituents. according to Flückiger, are 38 per cent. of an amorphous resin, to which the drug owes its acridity, and 22 per cent. to On account of the violence of its action, it requires to be mixed for use with starch or flour. As a vesicant it has been employed as a substitute for cantharides in veterinary

126th Olympiad, 274 p.c. He studied philosophy under Kha-bur, and some other names.

miles N.W. of Simpheropol, on a sandy promontory in the aorth of Kalamita Bay, in 45° 12" N. lat. and 33° 5' E. long. Of its numerous ecclesiastical buildings, which comprise 16 to the court of Syria, and there assisted Antiochus the mosques, three synagogues, an Armenian, an Orthodox, and | Great in forming the royal library at Antioch, which it was a Catholic church, only two are of special interest, the intended should rival that of Alexandria; and in this em-Karaite synagogue and one of the mosques, which has four- ployment he died probably about 200 B.C. His poetry was teen cupolas, and is built after the plan of St Sophia in Con- principally epic, but he was also an epigrammatist, and has besides been supposed, though without sufficient reason, to stantinople. The shipping accommodation is poor, the port or rather roadstead having a sandy bottom, and being exposed to violent storms from the N.E. Small vessels cast have been preserved; but from the opinions expressed by ancient writers, it appears that he was constantly in trade is principally in grain, skins, cowhair, felt, tallow, and search of archaic and obsolete expressions, and that the salt. In 1861, out of a population of 7081, 3422 were erudite character of his allusions rendered him so obscure Mahometans, 1228 Karaite Jews, and 175 Talmudists. In as to be understood with difficulty. His works appear to have been popular as late as the times of the emperor

> The fragments have been edited by Meineke under the title De Euphorionis Chalcidensis Vita et Scriptis, &c., Dantzic, 1823. This work with amendments has been published by Meineke in his Analecta Alexandrina, Berlin, 1843. See also Clinton's Fasti Heltenici, vol. ii. p. 511; Fabricius, Bib. Græc., vol. i. p. 594; Heyne, De Euphorione, Excurs. iii. ad Virg. Bucol. and Excurs. v. ad Æn.

EUPHRANOR, a painter and statuary of Greece, who flourished about the middle of the 4th century B.C., was born in the territory of Corinth, but, having practised his art and acquired his renown at Athens, is always identified with the Athenian school. In sculpture he produced a great number of pieces, from colossal life-figures to drinking cups. Of the finest of these, a figure of Paris, a beautiful copy now exists in the Museo Pio-Clementino in the la-Chapelle. It is a flourishing commercial town, and Vatican. His principal pictorial work was extant in the besides cloth and buckskin mills, it has net and glove | time of Pausanias in one of the porches of the Ceramicus. manufactories, soapworks, dyeworks, tanneries, and It represented on one side of the wall the twelve gods, and on the other Theseus as the founder of the equal polity of Athens. Among the pupils of Euphranor were Antidotus, churches, a Franciscan monastery, a town school of a high | Carmanides, and Leonidus of Anthedon. He was the grade, an orphanage, a hospital, an infirmary, and a author of some works on colour and proportion, which seem to have been the characteristic excellences of his own

EUPHRATES. The Euphrates has been one of the France, and in 1814 into that of Prussia. The population | best known rivers of the world from the remotest antiquity. It may be considered, roughly speaking, as divided into EUPHORBIUM, an acrid dull-yellow or brown resin, three portions, the upper, middle, and lower divisions. consisting of the concreted milky juice of Euphorbia resinieach of which is distinguished by special physical features, and each of which has played a conspicuous part in the Euphorbiaceæ, indigenous to Morocco. It is procured by world's history, retaining to the present day monumental evidence of the races who have lined its banks. The upper division is formed of two arms, called respectively It, the protection of the mouth and nostrils by a cloth is the Frat and the Murad (different forms in all probability requisite, as the dust occasions violent sneezing if inhaled. of the same name), which rise, the one a short distance to Euphorbium has a taste at first little marked, but afterwards | the N.E. of Erzeroum, and the other to the N.W. of Lake hot and acrid. It dissolves in alcohol, ether, and turpen- Van near Diyadin, and which unite in the vicinity of Keban Maaden, about 39° N. lat. and 39° E. long, on the high road conducting from Sivas to Diarbekir. This upper division of the river bisects the plateau of Asia Minor, and of euphorbon, -together with mucilage, malates, and mineral has thus been traversed by all the nations who have compounds. Pliny states that the name of the drug was passed successively from Asia into eastern Europe. It given to it in honour of Euphorbus, the physician of Juba still exhibits at Paloo, at Malatích, and in some other places, II.; king of Mauritania. In former times euphorbium was on the precipitous rocks which form its banks, cuneiform valued in medicine for its drastic, purgative, and emetic inscriptions of the Scytho-Arian dynasty, which ruled in properties; and as an errhine it is still occasionally resorted Armenia in the 8th century B.C. Here the general

character of the Euphrates is that of a river of the first | ing the left bank or Jozíréh, as the 'Anezeh possess the order struggling through high hills or rather low mountains, | right bank or Shamiyeh. The middle course of the prolongations of the chain of Anti-Taurus, and making an Euphrates has also played a great part in history. In very exceedingly tortuous course as it forces its way over a rocky early times it formed a boundary between the empire of or a pebbly bed from one natural barrier to another. As Assyria to the east and the great nation of the Khetta, or it winds round its numerous barriers it carries occasionally Hittites, to the west; and the capital of the latter people, towards each of the cardinal points a considerable body of water and is shallow enough in some places for loaded was built upon its banks. The ruins of this city, now camels to pass in autumn, the water rising to about 41 feet. known as Yerabolus, a corruption of the Greek Hierapolis, The general direction of the left arm of the Euphrates, which is termed the Murád-chaí, and which, rising near found to contain numerous well-preserved bas-reliefs Diyadín, skirts the plains both of Mush and Kharpút, is (with inscriptions in the Hamathite character), which westerly as far as its junction with the right arm near promise to be of the utmost importance as forming the Keban Maaden. This right arm again, which rises near Erzeroum, and which, though of inferior length and size, is generally regarded as the true Euphrates, runs southwesterly by Erzingán Kamakh (Kumukh of the inscriptions, and Gr. Κομμαγηνή) and Egin to the point of junction. There, however, the direction of the river changes. Meeting obliquely the Anti-Taurus, which afterwards rises into the Jújik-dagh (the Mount Abus of antiquity), it is forced to the south through some very precipitous gorges to the vicinity of Malatieh. It then crosses the broken country between the Anti-Taurus and Taurus, and finally forces its | Mabog or Hieropolis. The lower passage of the Euphrates way through the latter range in a succession of rapids and cataracts for a space of about 40 miles, till it emerges upon | the Greeks, the old Semitic title of Thapsacus (or non the great Syrian plain, a short distance above Samsát, the ancient Samosata, where Lucian dwelt and wrote. The Euphrates now enters on its middle division, which may be considered to extend from Samsát to Hft. The direction here is at first S.W., then S., and afterwards S.E. from about the 36th parallel of latitude to its embouchure in the Persian Gulf. The river in this part of its course runs deed, of the Sanjeh (Siyyas of the Greeks) and the through a valley of a few miles in width, which it has Sajur (Sangar of the Assyrian inscriptions) on the eroded in the rocky surface, and which, being more or less covered with alluvial soil, is pretty generally cultivated by have retained their present names unchanged for thirty artificial irrigation. The method of irrigation is peculiar, dams of solid masonry being run into the bed of the river, frequently from both sides at once, so as to raise the level In antiquity, indeed, there would seem to have been a of the stream and thus to give a water power of several river named Araxes by Xenophon, and Saocoras by Ptolemy, feet in height which is used to turn a gigantic wheel sometimes 40 feet in diameter. The water is thus raised to a south, joined the Euphrates between Der and Annah; but trough at the top of the dam, and from thence is distri- no traces of such a stream are now to be found, and it has buted among the gardens, and melon beds, and rice fields, been suggested therefore that its disappearance may be occupying the valley between the immediate bed of the due to the same upheaval of the land at the south-eastern river and the rocky banks which shut it out from the desert. foot of the Sinjar hills, which diverted the Nisibín river The wheels, which are of the most primitive construction, (Gozan of scripture, Mygdonius of the Greeks, and Hermas being made of rough branches of trees, with 100 or 150 of the Arabs) from its ancient course by Hatra to Tekrit rude clay vessels slung on the outer edge, raise a prodigious on the Tigris, and forced it to join the Khabur and ultiamount of water, and are moreover exceedingly picturesque, the dam's or aqueducts to which they are attached being often formed of a series of well-built Gothic arches; but | ing towns on the banks of the river in the middle part of they are great impediments to navigation, as they cause a its course. The geographers mention in succession Someicurrent of six or seven knots an hour, which cannot be sat, Rum-Kaleh, Jisr-Mambej or Bir, Beles, El Ja'aber (or surmounted by any ordinary steam power. In some parts Dusar), Racca (Nicephorium at the mouth of the Bilikh), of the river 300 of these wheels have been counted within Kerkessieh (Circessium at the mouth of the Khabur), a space of 130 miles, and when our steamers first appeared Rahbeh, Der-el-Kaim (Gordian's tomb? and the boundupon the river, not forty years ago, at least one-third of ary between the Roman and Persian empires), Annah (or the wheels were in working order; but they have since Anatho), Haditheh, Alús, Nausell, and Hit. Many of fallen very generally into ruin, the Arab population, which | these cities are now in ruins, but the sites can for the used to cultivate the immediate banks of the river, having most part be identified, and they would all well repay for the most part moved further off into the desert. The a careful examination; at present the most consider rocks which form the river banks during this part of its able towns are Samsát, Bír, Annah, and Hít. From course are composed of gypsum, sandstone, and conglomer Bir to Ja'aber the river is rather sluggish, running over ate with mica and felspar, and at some points, as at Helebí-Jelebí (the Zabá and Zalá of the Arabs) approach close to the water's edge. Beyond the rocky banks on Annah and Hít, it is thickly studded with islands, on both sides is the open desert, covered in spring with a luxuriant verdure, and dotted here and there with the of the rulers of the land, many of these islands being still black tent of the Bedouin, the great tribe of Shamar hold- | inhabited.

known in Scripture as Carchemish (2 Chron xxxv. 20), have been recently examined by Mr George Smith, and are connecting link that has been long sought between Egyptian and Assyrian art. In the vicinity of Hierapolis, or Carchemish, was the upper passage of the Euphrates on the road conducting from Syria to Nineveh. The site is now known as Bir or Birejek, but it retained the title of Zugma (Greek, $\zeta \epsilon \hat{\nu} \gamma \mu a$), according to the Arab geographers, to comparatively modern times (see Yacut in voce), and the remains of the old bridge were still to be seen there in the 7th century of the Hegira, popularly known as the Jisr Membij, or bridge of Membij, the Arabic form of the Syriac conducting from Syria to Babylonia, which retained, among 1 Kings v. 4, &c.), is usually placed at Der, 200 miles bridge. The Euphrates is singularly deficient in tributaries after it leaves the mountains; with the exception, inright bank, and the Bilikh and Khabur on the left, which centuries, there is no affluent to the Euphrates of any consequence after it has once broken through the Taurus range. which descended from the Sinjar hills, and, running due mately the Euphrates.

During the Mahometan period there were many flourish-

¹ The original name of the Euphrates, Burat or Purat, represents been employed as a substitute for cantharides in veterinary probably a very old Asiatic root, Bur or Purat, represents probably a very old Asiatic root, Bur