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IAMBlichus'
LIFE OF PYTHAGORAS,
OR
PYTHAGORIC LIFE,
&c. &c.

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IAMBlichus'
LIFE OF PYTHAGORAS,
 OR
PYTHAGORIC LIFE.

ACCOMPANIED BY
 FRAGMENTS OF THE ETHICAL WRITINGS
 OF CERTAIN PYTHAGOREANS IN THE DORIC DIALECT;
 AND A

Collection of Pythagoric Sentences
 FROM STOBÆUS AND OTHERS,
 WHICH ARE OMITTED BY GALE IN HIS
 OPUSCULA MYTHOLOGICA,
 AND HAVE NOT BEEN NOTICED BY ANY EDITOR.

TRANSLATED FROM THE GREEK.

BY THOMAS TAYLOR.

Approach ye genuine philosophic few,
 The Pythagoric Life belongs to you :
 But far, far off ye vulgar herd profane;
 For Wisdom's voice is heard by you in vain:
 And you, Mind's lowest link, and darksome end,
 Good Rulers, Customs, Laws, alone can mend.





INTRODUCTION.

WHEN it is considered that Pythagoras was the father of philosophy, authentic memoirs of his life cannot fail to be uncommonly interesting to every lover of wisdom, and particularly to those who reverence the doctrines of Plato, the most genuine and the best of all his disciples. And that the following memoirs of Pythagoras by Iamblichus are authentic, is acknowledged by all the critics, as they are for the most part obviously derived from

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sources of very high antiquity; and where the sources are unknown, there is every reason to believe, from the great worth and respectability of the biographer, that the information is perfectly accurate and true.

Of the biographer, indeed, Iamblichus, it is well known to every tyro in Platonism that he was dignified by all the Platonists that succeeded him with the epithet of *divine*; and after the encomium passed on him by the acute Emperor Julian, “*that he was posterior indeed in time, but not in genius, to Plato,*”¹ all further praise of him would be as

¹ Οἶδα μὲν οὖν καὶ Πλάτωνα τὸν μέγαν, καὶ μετὰ τοῦτον ἀνδρὰ τοῖς χρόνοις μὲν, οὐ τῇ μὲν φύσει, καταδεέστερον, τὸν Χαλκιδεᾶ φημι τὸν Ἰαμβλίχον, κ. λ. Julian. Orat. iv.

Thus too the celebrated Bullialdus, in his Notes on Theo of Smyrna, speaks of Iamblichus as a man of a most acute genius.

unnecessary, as the defamation of him by certain modern critics is contemptible and idle. For these *homonculi* looking solely to his deficiency in point of style, and not to the magnitude of his intellect, perceive only his little blemishes, but have not even a glimpse of his surpassing excellence. They minutely notice the motes that are scattered in the sunbeams of his genius, but they feel not its invigorating warmth, they see not its dazzling radiance.

Of this very extraordinary man there is a life extant by Eunapius, the substance of which I have given in my *History of the Restoration of the Platonic Theology*, and to which I refer the English reader. At present I shall only select from that work the following biographical particulars respecting our Iamblichus: He was descended of a

family equally illustrious, fortunate, and rich. His country was Chalcis, a city of Syria, which was called Cœle. He associated with Anatolius who was the second to Porphyry, but he far excelled him in his attainments, and ascended to the very summit of philosophy. But after he had been for some time connected with Anatolius, and most probably found him insufficient to satisfy the vast desires of his soul, he applied himself to Porphyry, to whom (says Eunapius) he was in nothing inferior, except in the structure and power of composition. For his writings were not so elegant and graceful as those of Porphyry : they were neither agreeable, nor perspicuous ; nor free from impurity of diction. And though they were not entirely involved in obscurity, and perfectly faulty ; yet as Plato formerly said of Xenocrates, he did not sacrifice to the *Mercurial Graces*. Hence he

is far from detaining the reader with delight, who merely regards his diction; but will rather avert and dull his attention, and frustrate his expectation.

However, though the surface of his conceptions is not covered with the flowers of elocution, yet the depth of them is admirable, and his genius is truly sublime. And admitting his style to abound in general with those defects, which have been noticed by the critics, yet it appears to me that the decision of the anonymous Greek writer respecting his Answer to the Epistle of Porphyry,¹ is more or less applicable to all his other works. For he says, ‘that his diction in that Answer is concise and definite, and that his conceptions are full of efficacy, are elegant, and divine.’²

¹ There is a Greek and Latin edition of this admirable work by Gale, under the title of Iamblichus De Mysteriis.

² Ἀλλὰ καὶ τὸ τῆς λέξεως κομματικόν, καὶ ἀφοριστικόν, καὶ τὸ

Iamblichus shared in an eminent degree the favor of divinity, on account of his cultivation of justice; and obtained a numerous multitude of associates and disciples, who came from all parts of the world, for the purpose of participating the streams of wisdom, which so plentifully flowed from the sacred fountain of his wonderful mind. Among these was Sopater the Syrian,¹ who was most skilful both in speaking and writing; Eustathius the Cappadocian; and of the Greeks, Theodorus and Euphrasius. All these were excellent for their virtues and attainments, as well as many other of his disciples, who were not much inferior

των εννοιων πραγματικον, και γλαφυρον, και ενθουν, κ. λ.

See the Testimonies prefixed by Gale to his edition of the above-mentioned work.

¹ This Sopater succeeded Plotinus in his philosophical school.

to the former in eloquence ; so that it seems wonderful how Iamblichus could attend to all of them, with such gentleness of manners and benignity of disposition as he continually displayed.

He performed some few particulars relative to the veneration of divinity by himself, without his associates and disciples ; but was inseparable from his familiars in most of his operations. He imitated in his diet the frugal simplicity of the most ancient times ; and during his repast, exhilarated those who were present by his behaviour, and filled them as with nectar by the sweetness of his discourse.

A celebrated philosopher named Alypius, who was deeply skilled in dialectic, was contemporary with Iamblichus, but was of such a diminutive sta-

ture, that he exhibited the appearance of a pigmy. However, his great abilities amply compensated for this trifling defect. For his body might be said to be consumed into soul ; just as the great Plato says, that divine bodies, unlike those that are mortal, are situated in souls. Thus also it might be asserted of Alypius, that he had migrated into soul, and that he was contained and governed by a nature superior to man. This Alypius had many followers, but his mode of philosophizing was confined to private conference and disputation, without committing any of his dogmas to writing. Hence his disciples gladly applied themselves to Iamblichus, desirous to draw abundantly from the exuberant streams of his inexhaustible mind. The fame therefore of each continually increasing, they once accidentally met like two refulgent stars, and were surrounded by so great a crowd of auditors, that it

resembled some mighty musæum. While Iamblichus on this occasion waited rather to be interrogated, than to propose a question himself, Alypius, contrary to the expectation of every one, relinquishing philosophical discussions, and seeing himself surrounded with a theatre of men, turned to Iamblichus, and said to him : “ Tell me, O philosopher, is either the rich man unjust, or the heir of the unjust man? For in this case there is no medium.” But Iamblichus hating the acuteness of the question, replied : “ O most wonderful of all men, this manner of considering, whether some one excels in externals, is foreign from our method of philosophizing ; since we inquire whether a man abounds in the virtue which it is proper for him to possess, and which is adapted to a philosopher.” After he had said this he departed, and at the same time all the surrounding multitude was imme-

diately dispersed. But Iamblichus, when he was alone, admired the acuteness of the question, and often privately resorted to Alypius, whom he very much applauded for his acumen and sagacity; so that after his decease, he wrote his life. This Alypius was an Alexandrian by birth, and died in his own country, worn out with age : and after him Iamblichus,¹ leaving behind him many roots and fountains of philosophy ; which through the cultivation of succeeding Platonists, produced a fair variety of vigorous branches, and copious streams.

For an account of the theological writings of Iamblichus, I refer the reader to my above-men-

¹ The exact time of Iamblichus' death is unknown. It is however certain that it was during the reign of Constantine ; and according to the accurate Fabricius, prior to the year of Christ 333. Vid. Biblioth. Græc. Tom. iv. p. 283.

tioned History of the Restoration of the Platonic Theology ; and for accurate critical information concerning all his works, to the Bibliotheca Græca of Fabricius.

Of the following work, the life of Pythagoras, it is necessary to observe that the original has been transmitted to us in a very imperfect state, partly from the numerous verbal errors of the text, partly from the want of connexion in the things that are narrated, and partly from many particulars being related in different places, in the very same words ; so that the conjecture of Kuster, one of the German editors of this work is highly probable, that it had not received the last hand of Iamblichus, but that others formed this treatise from the confused materials which they found among his Manuscripts, after his death. Notwithstanding all its defects,

however, it is, as I have before observed, a most interesting work ; and the benefits are inestimable, which the dissemination of it is calculated to produce. And as two of the most celebrated critics among the Germans, Kuster and Kiessling, have given two splendid editions of this work, it is evident they must have been deeply impressed with a conviction of its value and importance.

As to the Pythagoric Ethical Fragments, all eulogy of them is superfluous, when it is considered that, independently of their being written by very early Pythagoreans, they were some of the sources from which Aristotle himself derived his consummate knowledge of morality, as will be at once evident by comparing his *Nicomachean Ethics* with these fragments.

With respect to the collection of Pythagoric Sentences in this volume, it is almost needless to observe that they are incomparably excellent; and it is deeply to be regretted that the Greek original of the Sentences of Sextus¹ being lost, the fraudulent Latin version of them by the Presbyter Ruffinus alone remains. I call it a fraudulent version, because Ruffinus, wishing to persuade the reader that these Sentences were written by a bishop of the name of Sixtus, has in many places perverted and contaminated the meaning of the original. In the selection, however, which I have made from these Sentences, I have endeavoured, and I trust not in vain, to give the genuine

¹ This Sextus is probably the same that Seneca so greatly extols, and from whom he derives many of those admirable sentences with which his works abound. Vid. Senecæ Epistolas, 59, 64, 98, et lib. 2 de Irâ, c. 36, et lib. 3. c. 36.

sense of Sextus, unmingled with the barbarous and polluted interpolations of Ruffinus. If the English reader has my translation of the Sentences of Demophilus, and Mr. BRIDGMAN's translation of the Golden Sentences of Democrates, and the Similitudes of Demophilus,¹ he will then be possessed of all the Pythagoric Sentences that are extant, those alone of Sextus excepted, which I have not translated, in consequence of the very impure and spurious state, in which they at present exist.

I deem it also requisite to observe, that the Pythagoric life which is here delineated, is a specimen of the greatest perfection in virtue and wisdom,

¹ All these were published in one vol. 12mo. by Mr. BRIDGMAN, under the title of Translations from the Greek, in the year 1804, and well deserve to be perused by the liberal reader.

which can be obtained by man in the present state. Hence, it exhibits piety unadulterated with folly, moral virtue uncontaminated with vice, science unmingled with sophistry, dignity of mind and manners unaccompanied with pride, a sublime magnificence in theory, without any degradation in practice, and a vigor of intellect, which elevates its possessor to the vision of divinity, and thus deifies while it exalts.

The original of the engraving of the head of Iamblichus in the title-page, is to be found at the end of a little volume consisting of Latin translations of Iamblichus *De Mysteriis*, Proclus *On the First Alcibiades* of Plato, &c. &c. &c. 18mo. Genev. 1607. This engraving was added because it appeared to me to be probable that the original

was copied from an ancient gem. And as it is not impossible that it was, if it is not genuine, it is at least ornamental.

THE LIFE,

&c.

CHAP. I.

SINCE it is usual with all men of sound understandings, to call on divinity, when entering on any philosophic discussion, it is certainly much more appropriate to do this in the consideration of that philosophy which justly receives its denomination from the divine Pythagoras. For as it derives its origin from the Gods, it cannot be apprehended without their inspiring aid. To which we may also add, that the beauty and magnitude of it so greatly surpasses human power, that it is impossible to survey it by a sudden view ; but then alone can any one gradually collect some portion of this philosophy, when, the Gods being his leaders, he quietly approaches to it. On all these accounts, therefore, having invoked the Gods as our leaders, and converting both ourselves and our discussion to them, we shall acquiesce in whatever they may command us to do. We shall not, however, make any apology for this sect having been neglected for a long time, nor for its being concealed by foreign disciplines, and certain arcane symbols, nor for

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having been obscured by false and spurious writings, nor for many other such-like difficulties by which it has been impeded. For the will of the Gods is sufficient for us, in conjunction with which it is possible to sustain things still more arduous than these. But after the Gods, we shall unite ourselves as to a leader, to the prince and father of this divine philosophy; of whose origin and country we must rise a little higher in our investigation.

CHAP. II.

It is said, therefore, that Ancæus who dwelt in Samos in Cephallenia, was begot by Jupiter, whether he derived the fame of such an honorable descent through virtue, or through a certain greatness of soul. He surpassed, however, the rest of the Cephallenians in wisdom and renown. This Ancæus, therefore, was ordered by the Pythian oracle to form a colony from Arcadia and Thessaly; and that besides this, taking with him some of the inhabitants of Athens, Epidaurus, and Chalcis, and placing himself at their head, he should render an island habitable, which from the virtue of the soil and land should be called Melamphyllos;¹ and that he should call the city Samos, on account of

¹ i. e. Having black leaves.

Same in Cephallenia. The oracle, therefore, which was given to him, was as follows: "I order you, Ancæus, to colonise the marine island Samos instead of Same, and to call it Phyllas." But that a colony was collected from these places, is not only indicated by the honors and sacrifices of the Gods, transferred into those regions together with the inhabitants, but also by the kindred families that dwell there, and the associations of the Samians with each other.

It is said, therefore, that Mnesarchus and Pythais, who were the parents of Pythagoras, descended from the family and alliance of this Ancæus, who founded the colony. In consequence, however, of this nobility of birth being celebrated by the citizens, a certain Samian poet says, that Pythagoras was the son of Apollo. For thus he sings,

Pythais, fairest of the Samian tribe,
Bore from th' embraces of the God of day
Renown'd Pythagoras, the friend of Jove.

It is worth while, however, to relate how this report became so prevalent. The Pythian oracle then had predicted to this Mnesarchus (who came to Delphi for the purposes of merchandize, with his wife not yet apparently pregnant, and who inquired of the God concerning the event of his voyage to Syria) that his voyage would be lucrative and most conformable to his wishes, but that his

wife was now pregnant, and would bring forth a son surpassing in beauty and wisdom all that ever lived, and who would be of the greatest advantage to the human race in every thing pertaining to the life of man. But, when Mnesarchus considered with himself, that the God, without being interrogated concerning his son, had informed him by an oracle, that he would possess an illustrious prerogative, and a gift truly divine, he immediately named his wife Pythais, from her son and the Delphic prophet, instead of Parthenis, which was her former appellation; and he called the infant, who was soon after born at Sidon in Phœnicia, Pythagoras; signifying by this appellation, that such an offspring was predicted to him by the Pythian Apollo. For we must not regard the assertions of Epimenides, Eudoxus, and Xenocrates, who suspect that Apollo at that time, becoming connected with Parthenis, and causing her to be pregnant from not being so, had in consequence of this predicted concerning Pythagoras, by the Delphic prophet: for this is by no means to be admitted.¹

¹ i. e. It must not be admitted, that Apollo was actually connected with Pythais; for this would be absurd in the extreme; but the assertion of Epimenides, Eudoxus, and Xenocrates must be considered as one of those mythological narrations in which heroes are said to have Gods for their fathers, or Goddesses for their mothers, and the true meaning of it is as follows: According to the ancient theology, between those perpetual attendants of a divine nature called *essential* heroes,

Indeed, no one can doubt that the soul of Pythagoras was sent to mankind from the empire of

who are impassive and pure, and the bulk of human souls who descend to earth with passivity and impurity, it is necessary there should be an order of human souls who descend with impassivity and purity. For as there is no vacuum either in incorporeal or corporeal natures, it is necessary that the last link of a superior order, should coalesce with the summit of one proximately inferior. These souls were called by the ancients, *terrestrial* heroes, on account of their high degree of proximity and alliance to such as are essentially heroes. Hercules, Theseus, Pythagoras, Plato, &c. were souls of this kind, who descended into mortality both to benefit other souls, and in compliance with that necessity by which all natures inferior to the perpetual attendants of the Gods are at times obliged to descend.

But as, according to the arcana of ancient theology, every God beginning from on high produces his proper series as far as to the last of things, and this series comprehends many essences different from each other, such as Dæmoniacal, Heroical, Nymphical, and the like; the lowest powers of these orders, have a great communion and physical sympathy with the human race, and contribute to the perfection of all their natural operations, and particularly to their procreations. "Hence" (says Proclus in MSS. Schol. in Crat.) "it often appears, that *heroes* are generated from the mixture of these powers with mankind; for those that possess a certain prerogative above human nature, are properly denominated *heroes*." He adds: "Not only a dæmoniacal genus of this kind sympathizes physically with men, but other kinds sympathize with other natures, as Nymphs with trees, others with fountains, and others with stags or serpents."

Olympiodorus, in his life of Plato, observes of that philosopher, "That an Apolloniacal spectre is said to have had con-

Apollo, either being an attendant on the God, or co-arranged with him in some other more familiar way : for this may be inferred both from his birth, and the all-various wisdom of his soul. And thus much concerning the nativity of Pythagoras.

But after his father Mnesarchus had returned from Syria to Samos, with great wealth, which he had collected from a prosperous navigation, he built a temple to Apollo, with the inscription of Pythius ; and took care to have his son nourished with various and the best disciplines, at one time by Creophilus, at another by Pherecydes the Syrian, and at another by almost all those who presided over sacred concerns, to whom he earnestly recommended Pythagoras, that he might be as much as possible sufficiently instructed in divine concerns. He, however, was educated in such a manner, as to be fortunately the most beautiful and godlike of all those that have been celebrated in the annals of history. On the death of his father, likewise, though he was still but a youth, his aspect was most venerable, and his habits most temperate, so that he was even revered and honored by elderly men ; and converted the attention of all who saw and heard him speak, on himself, and appeared to

nexion with Perictione his mother, and that appearing in the night to his father Aristo, it commanded him not to sleep with Perictione during the time of her pregnancy ; which mandate Aristo obeyed." The like account of the divine origin of Plato, is also given by Apuleius, Plutarch, and Hesychius.

be an admirable person to every one who beheld him. Hence it was reasonably asserted by many, that he was the son of a God. But he being corroborated by renown of this kind, by the education which he had received from his infancy, and by his natural deiform appearance, in a still greater degree evinced that he deserved his present prerogatives. He was also adorned by piety and disciplines, by a mode of living transcendently good, by firmness of soul, and by a body in due subjection to the mandates of reason. In all his words and actions, he discovered an inimitable quiet and serenity, not being subdued at any time by anger, or laughter, or emulation, or contention, or any other perturbation or precipitation of conduct; but he dwelt at Samos like some beneficent dæmon. Hence, while he was yet a youth, his great renown having reached Thales at Miletus, and Bias at Priene, men illustrious for their wisdom, it also extended to the neighbouring cities. To all which we may add, that the youth was every where celebrated as the *long-haired Samian*, and was revered by the multitude as one under the influence of divine inspiration. But after he had attained the eighteenth year of his age, about the period when the tyranny of Policrates first made its appearance, foreseeing that under such a government he might receive some impediment in his studies, which engrossed the whole of his attention, he departed privately by night with one Hermodamas

(whose surname was Creophilus, and who was the grandson of him who had formerly been the host, friend, and preceptor in all things of Homer the poet,) to Pherecydes, to Anaximander the natural philosopher, and to Thales at Miletus. He likewise alternately associated with each of these philosophers, in such a manner, that they all loved him, admired his natural endowments, and made him a partaker of their doctrines. Indeed, after Thales had gladly admitted him to his intimate confidence, he admired the great difference between him and other young men, whom Pythagoras left far behind in every accomplishment. And besides this, Thales increased the reputation Pythagoras had already acquired, by communicating to him such disciplines as he was able to impart: and, apologizing for his old age, and the imbecility of his body, he exhorted him to sail into Egypt, and associate with the Memphian and Diospolitan¹ priests. For he confessed that his own reputation for wisdom, was derived from the instructions of these priests; but that he was neither naturally, nor by exercise, endued with those excellent prerogatives, which were so visibly displayed in the person of Pythagoras. Thales, therefore, gladly announced to him, from all these circumstances, that he would become the wisest and most divine of all men, if he associated with these Egyptian priests.

¹ i. e. The priests of Jupiter.

CHAP. III.

PYTHAGORAS, therefore, having been benefited by Thales in other respects, and especially having learned from him to be sparing of his time; for the sake of this he entirely abstained from wine and animal food, and still prior to these from voracity, and confined himself to such nutriment as was slender and easy of digestion. In consequence of this, his sleep was short, his soul vigilant and pure, and his body confirmed in a state of perfect and invariable health. In possession of such advantages, therefore, he sailed to Sidon, being persuaded that this was his natural country, and also properly conceiving that he might easily pass from thence into Egypt. Here he conversed with the prophets who were the descendants of Mochus the physiologist, and with others, and also with the Phœnician hierophants. He was likewise initiated in all the mysteries of Byblus and Tyre, and in the sacred operations which are performed in many parts of Syria; not engaging in a thing of this kind for the sake of superstition, as some one may be led to suppose, but much rather from a love and desire of contemplation, and from an anxiety that nothing might escape his observation which deserved to be learnt in the arcana or mysteries of the Gods. Having been

previously instructed therefore in the mysteries of the Phœnicians, which were derived like a colony and a progeny from the sacred rites in Egypt, and hoping from this circumstance that he should be a partaker of more beautiful, divine, and genuine monuments of erudition in Egypt; joyfully calling to mind also the admonitions of his preceptor Thales, he immediately embarked for Egypt, through the means of some Egyptian sailors, who very opportunely at that time landed on the Phœnician coast under mount Carmelus, in whose temple Pythagoras, separated from all society, for the most part dwelt. But the sailors gladly received him, foreseeing that they should acquire great gain by exposing him to sale. But when, during the voyage, they perceived with what continence and venerable gravity he conducted himself, in conformity to the mode of living he had adopted, they were more benevolently disposed towards him. Observing, likewise, that there was something greater than what pertains to human nature in the modesty of the youth, they called to mind how unexpectedly he had appeared to them on their landing, when from the summit of mount Carmelus, which they knew was more sacred than other mountains, and inaccessible to the vulgar, he leisurely descended without looking back, or suffering any delay from precipices or opposing stones; and that when he came to the boat, he said nothing more than, "Are you bound for

Egypt?" And farther, that on their answering in the affirmative, he ascended the ship and sate silent the whole time of the voyage, in that part of the vessel where he was not likely to incommode the occupations of the sailors. But Pythagoras remained in one and the same unmoved state for two nights and three days, neither partaking of food, nor drink, nor sleep, unless perhaps as he sate in that firm and tranquil condition, he might sleep for a short time unobserved by all the sailors. To which we may add, that when the sailors considered how, contrary to their expectations, their voyage had been continued and uninterrupted, as if some deity had been present; putting all these things together, they concluded that a divine dæmon had in reality passed over with them from Syria into Egypt. Hence, speaking both to Pythagoras and to each other with greater decorum and gentleness than before, they completed, through a most tranquil sea, the remainder of their voyage, and at length happily landed on the Egyptian coast. Here the sailors reverently assisted him in descending from the ship; and after they had placed him on the purest sand, they raised a certain temporary altar before him, and heaping on it from their present abundance the fruits of trees, and presenting him as it were with the first fruits of their freight, they departed from thence, and hastened to their destined port. But Pythagoras, whose body through

such long fasting was become weaker, did not oppose the sailors in assisting him to descend from the ship, and immediately on their departure eat as much of the fruits as was requisite to restore his decayed strength. From thence also he arrived safe at the neighbouring lands, constantly preserving the same tranquillity and modesty of behaviour.

CHAP. IV.

BUT here, while he frequented all the Egyptian temples with the greatest diligence and with accurate investigation, he was both admired and loved by the priests and prophets with whom he associated. And having learnt with the greatest solicitude every particular, he did not neglect to hear of any transaction that was celebrated in his own time, or of any man famous for his wisdom, or any mystery in whatever manner it might be performed; nor did he omit to visit any place in which he thought something more excellent might be found. On this account he went to all the priests, by whom he was furnished with the wisdom which each possessed. He spent therefore two and twenty years in Egypt, in the adyta of temples, astronomizing and geometrizing, and was initiated, not in a superficial or casual manner, in all the mysteries of the Gods, till at length being

taken captive by the soldiers of Cambyses, he was brought to Babylon. Here he gladly associated with the Magi, was instructed by them in their venerable knowledge, and learnt from them the most perfect worship of the Gods. Through their assistance likewise, he arrived at the summit of arithmetic, music, and other disciplines; and after associating with them twelve years, he returned to Samos about the fifty-sixth year of his age.

CHAP. V.

ON his return to Samos, however, being known by some of the more aged inhabitants, he was not less admired than before. For he appeared to them to be more beautiful and wise, and to possess a divine gracefulness in a more eminent degree. Hence, he was publicly called upon by his country to benefit all men, by imparting to them what he knew. Nor was he averse to this request, but endeavoured to introduce the symbolical mode of teaching, in a way perfectly similar to the documents by which he had been instructed in Egypt; though the Samians did not very much admit this mode of tuition, and did not adhere to him with that according aptitude which was requisite. Though no one therefore attended to him, and no one was genuinely desirous of those disciplines

which he endeavoured by all means to introduce among the Greeks, yet he neither despised nor neglected Samos, because it was his country, and therefore wished to give his fellow-citizens a taste of the sweetness of the mathematical disciplines, though they were unwilling to be instructed in them. With a view to this, therefore, he employed the following method and artifice. Happening to observe a certain youth, who was a great lover of gymnastic and other corporeal exercises, but otherwise poor and in difficult circumstances, playing at ball in the Gymnasium with great aptness and facility, he thought the young man might easily be persuaded to attend to him, if he was sufficiently supplied with the necessaries of life, and freed from the care of procuring them. As soon as the youth, therefore, left the bath, Pythagoras called him to him, and promised that he would furnish him with every thing requisite to the support of his bodily exercise, on condition that he would receive from him gradually and easily, but continually, so that he might not be burthened by receiving them at once, certain disciplines, which he said he had learnt from the Barbarians in his youth, but which now began to desert him through forgetfulness and the incursions of old age. But the young man immediately acceded to the conditions, through the hope of having necessary support. Pythagoras, therefore, endeavoured to instruct him in the disciplines of arithmetic and geo-

metry, forming each of his demonstrations in an abacus, and giving the youth three oboli as a reward for every figure which he learnt. This also he continued to do for a long time, exciting him to the geometrical theory by the desire of honour; diligently, and in the best order, giving him (as we have said) three oboli for every figure which he apprehended. But when the wise man observed that the elegance, sweetness, and connexion of these disciplines, to which the youth had been led in a certain orderly path, had so captivated him that he would not neglect their pursuit though he should suffer the extremity of want, he pretended poverty, and an inability of giving him three oboli any longer. But the youth on hearing this replied, "I am able without these to learn and receive your disciplines." Pythagoras then said, "But I have not the means of procuring sufficient nutriment for myself." As it is requisite, therefore, to labour in order to procure daily necessities and mortal food, it would not be proper that his attention should be distracted by the abacus, and by stupid and vain pursuits. The youth, however, vehemently abhorring the thought of discontinuing his studies, replied: "I will in future provide for you, and repay your kindness in a way resembling that of the stork: for I in my turn will give you three oboli for every figure." And from this time he was so captivated by these disciplines, that he alone, of all the Samians, migrated from his

country with Pythagoras, having the same name with him, but being the son of Eratocles. There are said to be three books of this Samian On Athletics, in which he orders the Athletæ to feed on flesh instead of dry figs; which books are very improperly ascribed by some to Pythagoras the son of Mnesarchus. It is likewise said, that about the same time Pythagoras was admired at Delos, when he approached to the bloodless altar, as it is called, of the father Apollo, and worshipped it. After which he went to all the oracles. He likewise dwelt for some time in Crete and Sparta, for the purpose of becoming acquainted with their laws; and, having been an auditor and learner of all these, he returned home in order to investigate what he had omitted. And in the first place, indeed, he established a school in the city, which is even now called the semicircle of Pythagoras; and in which the Samians now consult about public affairs, conceiving it right to investigate things just and advantageous in that place which he had constructed who paid attention to the welfare of all men. He also formed a cavern out of the city, adapted to his philosophy, in which he spent the greatest part both of the day and night; employing himself in the investigation of things useful in disciplines, framing intellectual conceptions after the same manner as Minos the son of Jupiter. Indeed, he so much surpassed those who afterwards employed his disciplines, that they

conceived magnificently of themselves, from the knowledge of theorems of small importance; but Pythagoras gave completion to the science of the celestial orbs, and unfolded the whole of it by arithmetical and geometrical demonstrations. He is, however, to be admired in a still greater degree for what he afterwards accomplished. For when now philosophy had received a great accession, he was admired by all Greece, and the best of those who philosophized came to Samos on his account, in order that they might participate of his erudition. The citizens likewise employed him in all their embassies, and compelled him to unite with them in the administration of public affairs. However, as he easily saw the difficulty of complying with the laws of his country, and at the same time remaining at home and philosophizing, and considered that all philosophers before him had passed their life in foreign countries, he determined to neglect all political occupations; induced to this, according to the testimony of others, by the negligence of the Samians in what relates to education, and went into Italy, conceiving that place to be his proper country, in which men well disposed towards learning were to be found in the greatest abundance. And such was the success of his journey, that on his arrival at Crotona, which was the noblest city in Italy, he had many followers, amounting, as it is said, to the number of six hundred, who were not only excited by his dis-

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courses to the study of philosophy, but also to an amicable division of the goods of life in common ; from whence they acquired the appellation of *Cænobitæ*.

CHAP. VI.

AND these indeed were such as philosophized. But the greatest part of his disciples consisted of auditors whom they call *Acusmatici*, who on his first arrival in Italy, according to Nicomachus, being captivated by one popular oration alone, exceeded two thousand in number. These, with their wives and children, being collected into one very large and common auditory, called Homacoïon, and which for its magnitude resembled a city, founded a place which was universally called Magna Græcia. This great multitude of people likewise, receiving laws and mandates from Pythagoras as so many divine precepts, and without which they engaged in no occupation, dwelt together with the greatest general concord, celebrated and ranked by their neighbours among the number of the blessed. At the same time, as we have already observed, they shared their possessions in common. Such also was their reverence for Pythagoras, that they numbered him with the Gods, as a certain beneficent and most philanthropic dæmon. And some indeed celebrated him as the Pythian, but others as the Hyperborean Apollo.

Some again considered him as Pæon, but others as one of the dæmons that inhabit the moon; and others celebrated him as one of the Olympian Gods,¹ who, in order to benefit and correct the mortal life, appeared to the men of those times in a human form, in order that he might extend to them the salutary light of felicity and philosophy. And indeed a greater good never came, nor ever will come to mankind, than that

¹ From what has been said in the note, p. 4, respecting the divine origin of Pythagoras, it follows that he was a *terrestrial hero* belonging to the series of Apollo. Thus too the Esculapius who once lived on the earth, and was the inventor of medicine, proceeded, according to the ancient mythology, from the God Esculapius, who subsists in Apollo, just as the hero Bacchus proceeded from the Bacchus who subsists in Jupiter. Hence the Emperor Julian (apud Cyril.) says of Esculapius: "I had almost forgotten the greatest of the gifts of Jupiter and the Sun, but I have very properly reserved it to the last. For it is not peculiar to us only, but is common also, I think, to our kindred the Greeks. For Jupiter, in intelligibles, generated from himself Esculapius; but he was unfolded into light on the earth, through the prolific light of the sun. He therefore, proceeding from heaven to the earth, appeared uniformly in a human shape about Epidaurus. But thence becoming multiplied in his progressions, he extended his saving right hand to all the earth. He came to Pergamus, to Ionia, to Tarentum, and afterwards to Rome. Thence he went to the island Co, afterwards to Ægas, and at length to wherever there is land and sea. Nor did we individually, but collectively, experience his beneficence. And at one and the same time, he corrected souls that were wandering in error, and bodies that were infirm."

which was imparted by the Gods through this Pythagoras. Hence, even now the proverb of *the long-haired Samian*, is applied to the most venerable man. But Aristotle relates, in his Treatise On the Pythagoric Philosophy, that such a division as the following was preserved by the Pythagoreans among their principal arcana; viz. that of rational animals one kind is a God, another man, and another such as Pythagoras. And indeed they very reasonably apprehended him to be a being of this kind, through whom a right conception and conformable to things themselves was introduced of Gods, heroes, and dæmons; of the world, the all-various motion of the spheres and stars, their oppositions, eclipses, and inequalities, their eccentricities and epicycles; of all the natures contained in the heavens and the earth, together with those that have an intermediate subsistence, whether apparent or occult. Nor was there any thing (in all this variety of information) at all contrary to the phenomena, or the conceptions of intellect. To which we may add, that all such disciplines, theories, and scientific investigations, as truly invigorate the eye of the soul, and purify the intellect from the blindness introduced by studies of a different kind, so as to enable it to perceive the true principles and causes of the universe, were unfolded by Pythagoras to the Grecks. But besides all this, the best polity, popular concord, community of possessions among

friends, the worship of the gods, piety to the dead, legislation, erudition, silence, abstinence from animals, continence, temperance, sagacity, divinity, and in one word, whatever is anxiously sought after by the lovers of learning, was brought to light by Pythagoras. On all these accounts, therefore, as I have just now said, he was (every where) so transcendently admired.

CHAP. VII.

It remains therefore after this, that we should relate how he travelled, what places he first visited, what discourses he made, on what subjects, and to whom they were addressed; for thus we shall easily apprehend the nature of his association with the men of that time. It is said then, that as soon as he came to Italy and Sicily, which cities he understood had oppressed each other with slavery, partly at some distant period of past time, and partly at a recent period, he inspired the inhabitants with a love of liberty, and through the means of his auditors, restored to independence and liberated Crotona, Sybaris, Catanes, Rhegium, Himæra, Agrigentum, Tauromenas, and some other cities, for whom also he established laws, through Charondas the Catanæan, and Zaleucus the Locrian, by whom they became flourishing cities, and afforded an example worthy of imitation,

for a long time, to the neighbouring kingdoms. He also entirely subverted sedition, discord, and party zeal, not only from his familiars, and their posterity, for many generations, as we are informed by history, but, in short, from all the cities in Italy and Sicily, which were at that time disturbed with intestine and external contentions. For the following apothegm was always employed by him in every place, whether in the company of a multitude or a few, which was similar to the persuasive oracle of a God, and was an epitome and summary as it were of his own opinions; that we should avoid and amputate by every possible artifice, by fire and sword, and all-various contrivances, from the body, disease; from the soul, ignorance; from the belly, luxury; from a city, sedition; from a house, discord; and at the same time, from all things, immoderation: through which, with a most fatherly affection, he reminded each of his disciples of the most excellent dogmas. Such therefore was the common form of his life at that time, both in words and actions. If, however, it be requisite to make a more particular relation of what he did and said, it must be observed, that he came to Italy in the sixty-second Olympiad, at which time Eryxidas of Chalcis conquered in the stadium. But immediately on his arrival he became conspicuous and illustrious, in the same manner as before, when he sailed to Delos. For there, when he performed his adorations at the bloodless altar of the father

Apollo, he was admired by the inhabitants of the island.

CHAP. VIII.

AT that time also, when he was journeying from Sybaris to Crotona, he met near the shore with some fishermen, who were then drawing their nets heavily laden with fishes from the deep, and told them he knew the exact number of the fish they had caught. But the fishermen promising they would perform whatever he should order them to do, if the event corresponded with his prediction, he ordered them, after they had accurately numbered the fish, to return them alive to the sea : and what is yet more wonderful, not one of the fish died while he stood on the shore, though they had been detained from the water a considerable time. Having therefore paid the fishermen the price of their fish, he departed for Crotona. But they everywhere divulged the fact, and having learnt his name from some children, they told it to all men. Hence those that heard of this affair were desirous of seeing the stranger, and what they desired was easily obtained. But they were astonished on surveying his countenance, and conjectured him to be such a man as he was in reality. A few days also after this, he entered the Gymnasium, and being surrounded with a crowd of young men, he is said to

have delivered an oration to them, in which he incited them to pay attention to their elders, evincing that in the world, in life, in cities, and in nature, that which has a precedency is more honorable than that which is consequent in time. As for instance, that the east is more honorable than the west; the morning than the evening; the beginning than the end; and generation than corruption. In a similar manner he observed, that natives were more honorable than strangers, and the leaders of colonies than the builders of cities: and universally Gods than dæmons; dæmons than demigods; and heroes than men. Of these likewise he observed, that the authors of generation are more honorable than their progeny. He said these things, however, for the sake of proving by induction, that children should very much esteem their parents, to whom he asserted they owed as many thanks as a dead man would owe to him who should be able to bring him back again into light. Afterwards, he observed, that it was indeed just to love those above all others, and never to give them pain, who first benefited us, and in the greatest degree. But parents alone benefit their children prior to their birth, and are the causes to their offspring of all their upright conduct; and that when children show themselves to be in no respect inferior to their parents in beneficence towards them, it is not possible for them in this respect to err. For it is reasonable to suppose, that the Gods will pardon

those who honor their parents in no less a degree than the divinities themselves ; since we learnt from our parents to honor divinity. Hence Homer also added the same appellation to the king of the Gods ; for he denominates him the father of Gods and mortals. Many other mythologists also have delivered to us, that the kings of the Gods have been ambitious to vindicate to themselves that excessive love which subsists through marriage, in children towards their parents. And that on this account, they have at the same time introduced the hypothesis of father and mother among the Gods,¹ the former indeed generating Minerva, but the latter Vulcan, who are of a nature contrary to each other, in order that what is most remote may participate of friendship.

All his auditors likewise having granted that the judgment of the immortals is most valid, he said he would demonstrate to the Crotonians, by the example of Hercules the founder of the colony brought to Crotona, that it is necessary to be voluntarily obedient to the mandates of parents, as they knew from tradition that the God himself had undertaken such great labors in consequence of obeying

¹ Those Gods, according to the Orphic theology, that contain in themselves the first principle of stability, sameness, and being, and who also were the suppliers of conversion to all things, are of a male characteristic ; but those that are the causes of all-various progressions, separations, and measures of life, are of a feminine peculiarity.

the commands of one older than himself, and being victorious in what he had undertaken to accomplish, had instituted in honor of his father the Olympic games. He also showed them that they should associate with each other in such a manner, as never to be in a state of hostility to their friends, but to become most rapidly friends to their enemies ; and that they should exhibit in modesty of behaviour to their elders, the benevolent disposition of children towards their parents ; but in their philanthropy to others, fraternal love and regard.

In the next place, he spoke concerning temperance, and said, that the juvenile age should make trial of its nature, this being the period in which the desires are in the most flourishing state. Afterwards, he exhorted them to consider, that this alone among the virtues was adapted to a boy and a virgin, to a woman, and to the order of those of a more advanced age ; and that it was especially accommodated to the younger part of the community. He also added, that this virtue alone comprehended the goods both of body and soul, as it preserved the health and also the desire of the most excellent studies. But this is evident from the opposite. For when the Barbarians and Greeks warred on each other about Troy, each of them fell into the most dreadful calamities, through the incontinence of one man, partly in the war itself, and partly in returning to their native land. And divinity ordained that the punishment of injustice alone

should endure for a thousand and ten years, predicting by an oracle the capture of Troy, and ordering that virgins should be annually sent by the Locrians into the temple of Trojan Minerva. Pythagoras also exhorted young men to the cultivation of learning, calling on them to observe how absurd it would be that they should judge the reasoning power to be the most laudable of all things, and should consult about other things through this, and yet bestow no time nor labour in the exercise of it; though the attention which is paid to the body, resembles depraved friends, and rapidly fails; but erudition, like worthy and good men, endures till death, and for some persons procures immortal renown after death. These and other observations of the like kind, were made by Pythagoras, partly from history, and partly from [philosophic] dogmas, in which he showed that erudition is a natural excellence of disposition common to those in each genus, who rank in the first class of human nature. For the discoveries of these, become erudition to others. But this is naturally so worthy of pursuit, that with respect to other laudable objects of attainment, it is not possible to partake of some of them through another person, such as strength, beauty, health, and fortitude; and others are no longer possessed by him who imparts them to another, such as wealth, dominion, and many other things which we shall omit to mention. It is possible, however, for erudition

to be received by another, without in the least diminishing that which the giver possesses. In a similar manner also, some goods cannot be possessed by men; but we are capable of being instructed, according to our own proper and deliberate choice. And in the next place, he who being thus instructed, engages in the administration of the affairs of his country, does not do this from impudence, but from erudition. For by education nearly men differ from wild beasts, the Greeks from the Barbarians, those that are free from slaves, and philosophers from the vulgar. And in short, those that have erudition possess such a transcendency with respect to those that have not, that seven men have been found from one city, and in one Olympiad, that were swifter than others in the course; and in the whole of the habitable part of the globe, those that excelled in wisdom were also seven in number. But in the following times in which Pythagoras lived, he alone surpassed all others in philosophy. For he called himself by this name [viz. a philosopher], instead of a wise man.

CHAP. IX.

AND this indeed is what he said to the young men in the Gymnasium. But when they had told their parents what they had heard, a thousand men having called Pythagoras into the senate-house,

and praised him for what he had said to their sons, desired him, if he had any thing advantageous to say to the Crotonians, to unfold it to those who were the leaders of the administration. He was also the first that advised them to build a temple to the Muses, in order that they might preserve the existing concord. For he observed that all these divinities were called by one common name, [the Muses,] that they subsisted in conjunction with each other, especially rejoiced in common honors, and in short, that there was always one and the same choir of the Muses. He likewise farther observed, that they comprehended in themselves symphony, harmony, rythm, and all things which procure concord. They also evince that their power does not alone extend to the most beautiful theorems, but likewise to the symphony and harmony of things. In the next place, he said it was necessary they should apprehend that they received their country from the multitude of the citizens, as a common deposit. Hence, it was requisite they should so govern it, that they might faithfully transmit it to their posterity, as an hereditary possession. And that this would firmly be effected, if they were equal in all things to the citizens, and surpassed them in nothing else than justice. For men knowing that every place requires justice, have asserted in fables that Themis has the same order with Jupiter, that Dice, i. e. justice, is seated by

Pluto, and that Law is established in cities; in order that he who does not act justly in things which his rank in society requires him to perform, may at the same time appear to be unjust towards the whole world. He added, it was proper that the senators should not make use of any of the Gods for the purpose of an oath, but that their language should be such as to render them worthy of belief even without oaths. And likewise, that they should so manage their own domestic affairs, as to make the government of them the object of their deliberate choice. That they should also be genuinely disposed towards their own offspring, as being the only animals that have a sensation of this conception. And that they should so associate with a wife the companion of life, as to be mindful that other compacts are engraved in tables and pillars, but those with wives are inserted in children. That they should likewise endeavour to be beloved by their offspring, not through nature, of which they were not the causes, but through deliberate choice : for this is voluntary beneficence.

He further observed, that they should be careful not to have connexion with any but their wives, in order that the wives may not bastardize the race through the neglect and vicious conduct of the husbands. That they should also consider, that they received their wives from the Vestal hearth with libations, and brought them home as if they

were suppliants, in the presence of the Gods themselves. And that by orderly conduct and temperance, they should become examples both to their own families, and to the city in which they live. That besides this, they should take care to prevent every one from acting viciously, lest offenders not fearing the punishment of the laws, should be concealed; and reverencing beautiful and worthy manners, they should be impelled to justice. He also exhorted them to expel sluggishness from all their actions; for he said that opportunity was the only good in every action. But he defined the divulsion of parents and children from each other, to be the greatest of injuries. And said, that he ought to be considered as the most excellent man, who is able to foresee what will be advantageous to himself; but that he ranks as the next in excellence, who understands what is useful from things which happen to others. But that he is the worst of men who waits for the perception of what is best, till he is himself afflicted. He likewise said, that those who wish to be honored, will not err if they imitate those that are crowned in the course: for these do not injure their antagonists, but are alone desirous that they themselves may obtain the victory. Thus also it is fit that those who engage in the administration of public affairs, should not be offended with those that contradict them, but should benefit such as are obedient to them. He likewise exhorted every one who aspired

after true glory, to be such in reality as he wished to appear to be to others : for counsel is not so sacred a thing as praise ; since the former is only useful among men, but the latter is for the most part referred to the Gods. And after all this he added, that their city happened to be founded by Hercules, at that time when he drove the oxen through Italy, having been injured by Lacinius ; and when giving assistance by night to Croton, he slew him through ignorance, conceiving him to be an enemy. After which, Hercules promised that a city should be built about the sepulchre of Croton, and should be called from him Crotona, when he himself became a partaker of immortality. Hence Pythagoras said, it was fit that they should justly return thanks for the benefit they had received. But the Crotonians, on hearing this, built a temple to the Muses, and dismissed the harlots which they were accustomed to have. They also requested Pythagoras to discourse to the boys in the temple of Pythian Apollo, and to the women in the temple of Juno,

CHAP. X.

PYTHAGORAS, therefore, complying with their wish, is said to have given the boys the following advice : That they should neither revile any one, nor take vengeance on those that reviled. He

likewise exhorted them to pay diligent attention to learning, which derives its appellation from their age. He added, that it was easy for a modest youth to preserve probity through the whole of life; but that it was difficult for one to accomplish this, who was not naturally well disposed at that age; or rather it is impossible that he who begins his course from a bad impulse, should run well to the end. Besides this, he observed that boys were most dear to divinity, and hence in times of great drought, they were sent by cities to implore rain from the Gods, in consequence of the persuasion that divinity is especially attentive to children; though such as are permitted to be continually conversant with sacred ceremonies, scarcely obtain purification in perfection. From this cause also, the most philanthropic of the Gods, Apollo and Love, are universally represented in pictures as having the age of boys. It is likewise acknowledged, that some of the games in which the conquerors are crowned, were instituted on account of boys; the Pythian, indeed, in consequence of the serpent Python being slain by a boy; but the Nemean and Isthmian, on account of the death of Archemorus and Melicerta. Besides what has been said likewise, while the city of Crotona was building, Apollo promised to the founder, that he would give him a progeny, if he brought a colony into Italy; from which inferring that Apollo providentially attended to the propagation of them, and that

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all the Gods paid attention to every age, they ought to render themselves worthy of their friendship. He added, that they should exercise themselves in hearing, in order that they may be able to speak. And farther still, that as soon as they have entered into the path in which they intend to proceed to old age, they should follow the steps of those that preceded them, and never contradict those that are older than themselves. For thus hereafter, they will justly think it right that neither should they be injured by their juniors. On account of these exhortations, it must be confessed that he deserved not to be called by his own name, but that all men should denominate him divine.

CHAP. XI:

BUT to the women he is said to have discoursed concerning sacrifices as follows : In the first place indeed, as they would wish that another person who intended to pray for them, should be worthy and good, because the Gods attend to such as these ; thus also it is requisite that they should in the highest degree esteem equity and modesty, in order that the Gods may be readily disposed to hear their prayers. In the next place, they should offer to the Gods such things as they have produced with their own hands, and should bring them to the altars without the assistance of servants,

such as cakes, honey-combs, and frankincense. But that they should not worship divinity with blood and dead bodies, nor offer many things at one time, as if they never meant to sacrifice again. With respect also to their association with men, he exhorted them to consider that their parents granted to the female nature, that they should love their husbands in a greater degree than those who were the sources of their existence. That in consequence of this, they would do well either not to oppose their husbands, or to think that they have then vanquished, when they submit to them. Farther still, in the same assembly also, Pythagoras is said to have made that celebrated observation, that it is holy for a woman, after having been connected with her husband, to perform sacred rites on the same day ; but that this is never holy, after she has been connected with any other man. He also exhorted the women to use words of good omen through the whole of life, and to endeavor that others may predict good things of them. He likewise admonished them not to destroy popular renown, nor to blame the writers of fables, who surveying the justice of women, from their accommodating others with garments and ornaments, without a witness, when it is necessary for some other person to use them, and that neither litigation nor contradiction are produced from this confidence,—have feigned, that three women used but one eye in common, on account of the facility of their com-

munion with each other. He farther observed, that he who is called the wisest of all others, and who gave arrangement to the human voice, and in short, was the inventor of names, whether he was a God or a dæmon, or a certain divine man,¹ per-

¹ This inventor of names was called by the Egyptians Theuth, as we are informed by Plato in the Philebus and Phædrus; in the latter of which dialogues, Socrates says: "I have heard, that about Naucratis in Egypt, there was one of the ancient Gods of the Egyptians, to whom a bird was sacred, which they call Ibis; but the name of the dæmon himself was Theuth. According to tradition, this God first discovered number and the art of reckoning, geometry and astronomy, the games of chess and hazard, and likewise letters." On this passage I observe as follows, in Vol. 3. of my translation of Plato: The genus of disciplines belonging to Mercury, contains gymnastic, music, arithmetic, geometry, astronomy, and the art of speaking and writing. This God, as he is the source of invention, is called the son of Maia; because *investigation*, which is implied by *Maia*, produces *invention*: and as unfolding the will of Jupiter, who is an intellectual God, he is the cause of mathesis or discipline. He first subsists in Jupiter, the artificer of the world; next among the supermundane Gods; in the third place, among the liberated Gods; fourthly, in the planet Mercury; fifthly, in the Mercurial order of dæmons; sixthly, in human souls, who are the attendants of this God; and in the seventh degree, his properties subsist in certain animals, such as the ibis, the ape, and sagacious dogs. The narration of Socrates in this place, is both allegorical and anagogic or reductory. Naucratis is a region of Egypt eminently subject to the influence of Mercury, though the whole of Egypt is allotted to this divinity. Likewise, in this city a man once flourished full of the Mercurial power, because his soul formerly existed in the heavens of the

ceiving that the genus of women is most adapted to piety, gave to each of their ages the appellation of some God. Hence he called an unmarried woman *Core*, i. e. Proserpine; but a bride, *Nympha*; the woman who has brought forth children, *Mater*; and a grandmother, according to the Doric dialect, *Maia*. In conformity to which also, the oracles in Dodona and at Delphi, are unfolded into light through a woman. But through this praise pertaining to piety, Pythagoras is said to have produced so great a change in female attire, that the women no longer dared to clothe themselves with costly garments, but consecrated many myriads of their vestments in the temple of Juno. The effect also of this discourse is said to have been such, that about the region of the Crotonians the fidelity of the husband to the wife was universally celebrated; [imitating in this respect] Ulysses, who would not receive immortality from Calypso, on condition that he should abandon Penelope. Pythagoras therefore also observed, that it remained for the women to exhibit their probity to their husbands, in order that they might be equally celebrated with Ulysses. In short, it is

Mercurial order. But he was first called Theuth, that is, Mercury, and a God, because his soul subsisted according to the perfect similitude of this divinity. But afterwards a dæmon, because from the God Mercury, through a Mercurial dæmon, gifts of this kind are transmitted to a Mercurial soul.

recorded that through the above-mentioned discourses, Pythagoras obtained no moderate honor and esteem, both in the city of the Crotonians and throughout Italy.

CHAP. XII.

IT is also said, that Pythagoras was the first who called himself a philosopher ; this not being a new name, but previously instructing us in a useful manner in a thing appropriate to the name. For he said that the entrance of men into the present life, resembled the progression of a crowd to some public spectacle. For there men of every description assemble with different views ; one hastening to sell his wares for the sake of money and gain ; but another that he may acquire renown by exhibiting the strength of his body ; and there is also a third class of men, and those the most liberal, who assemble for the sake of surveying the places, the beautiful works of art, the specimens of valor, and the literary productions which are usually exhibited on such occasions. Thus also in the present life, men of all-various pursuits are collected together in one and the same place. For some are influenced by the desire of riches and luxury ; others by the love of power and dominion ; and others are possessed with an insane ambition for glory. But the most pure and unadul-

terated character, is that of the man who gives himself to the contemplation of the most beautiful things, and whom it is proper to call a philosopher.¹ He adds, that the survey of all heaven, and of the stars that revolve in it, is indeed beautiful, when the order of them is considered. For they derive this beauty and order by the participation of the first and the intelligible essence. But that first essence is the nature of number and reasons [i. e. productive principles,] which pervades through all things, and according to which all these [celestial bodies] are elegantly arranged, and fitly adorned. And wisdom indeed, truly so called, is a certain science which is conversant with the first beautiful objects,² and these divine, undecaying, and possessing an invariable sameness of subsistence; by the participation of which other things also may be called beautiful. But philosophy is the appetite of a thing of this kind. The attention therefore to erudition is likewise beautiful, which Pythagoras extended, in order to effect the correction of mankind.

¹ Iamblichus derived this very beautiful passage from Heraclides Ponticus, as is evident from Cicero, Tusc. Quæst. lib. v. 3. who relates the same thing of Pythagoras, from the aforesaid author.

² i. e. With intelligibles properly so called.

CHAP. XIII.

MOREOVER, if we may believe in so many ancient and credible historians as have written concerning him, the words of Pythagoras contained something of a recalling and admonitory nature, which extended as far as to irrational animals; by which it may be inferred that learning predominates in those endued with intellect, since it tames even wild beasts, and those which are considered to be deprived of reason. For it is said that Pythagoras detained the Daunian bear which had most severely injured the inhabitants, and that having gently stroked it with his hand for a long time, fed it with maize and acorns, and compelled it by an oath no longer to touch any living thing, he dismissed it. But the bear immediately after hid herself in the mountains and woods, and was never seen from that time to attack any irrational animal. Perceiving likewise an ox at Tarentum feeding in a pasture, and eating among other things green beans, he advised the herdsman to tell the ox to abstain from the beans. The herdsman, however, laughed at him, and said that he did not understand the language of oxen, but if Pythagoras did, it was in vain to advise him to speak to the ox, but fit that he himself should advise the animal to abstain from such food. Pythagoras therefore, approaching to

the ear of the ox, and whispering in it for a long time, not only caused him then to refrain from beans, but it is said that he never after tasted them. This ox also lived for a long time at Tarentum near the temple of Juno, where it remained when it was old, and was called the sacred ox of Pythagoras. It was also fed by those that came to it with human food. When likewise he happened to be conversing with his familiars about birds, symbols, and prodigies, and was observing that all these are the messengers of the Gods, sent by them to those men who are truly dear to the Gods, he is said to have brought down an eagle that was flying over Olympia, and after gently stroking, to have dismissed it. Through these things, therefore, and other things similar to these, he demonstrated that he possessed the same dominion as Orpheus, over savage animals, and that he allured and detained them by the power of voice proceeding from the mouth.

CHAP. XIV.

WITH him likewise the best principle originated of a guardian attention to the concerns of men, and which ought to be pre-assumed by those who intend to learn the truth about other things. For he reminded many of his familiars, by most clear and evident indications, of the former life which their

soul lived, before it was bound to this body, and demonstrated by indubitable arguments, that he had been Euphorbus the son of Panthus, who conquered Patroclus. And he especially praised the following funeral Homeric verses pertaining to himself, sung them most elegantly to the lyre, and frequently repeated them.

“ The shining circlets of his golden hair,
Which ev’n the Graces might be proud to wear,
Instarr’d with gems and gold, bestrow the shore
With dust dishonor’d, and deform’d with gore.
As the young olive in some sylvan scene,
Crown’d by fresh fountains with eternal green,
Lifts the gay head, in snowy flowrets fair,
And plays and dances to the gentle air ;
When lo ! a whirlwind from high heav’n invades
The tender plant, and withers all its shades ;
It lies uprooted from its genial bed,
A lovely ruin now defac’d and dead.
Thus young, thus beautiful, Euphorbus lay,
While the fierce Spartan tore his arms away.”¹

But what is related about the shield of this Phrygian Euphorbus, being dedicated among other Trojan spoils to Argive Juno, we shall omit, as being of a very popular nature. That, however, which he wished to indicate through all these particulars is this, that he knew the former lives which he had lived, and that from hence he commenced his providential attention to others, reminding them of their former life.

¹ Iliad, lib. 17. The translation by Pope.

CHAP. XV.

CONCEIVING, however, that the first attention which should be paid to men, is that which takes place through the senses ; as when some one perceives beautiful figures and forms, or hears beautiful rythms and melodies, he established that to be the first erudition which subsists through music, and also through certain melodies and rythms, from which the remedies of human manners and passions are obtained, together with those harmonies of the powers of the soul which it possessed from the first. He likewise devised medicines calculated to repress and expel the diseases both of bodies and souls. And by Jupiter that which deserves to be mentioned above all these particulars is this, that he arranged and adapted for his disciples what are called apparatus and contrectations, divinely contriving mixtures of certain diatonic, chromatic, and euharmonic melodies, through which he easily transferred and circularly led the passions of the soul into a contrary direction, when they had recently and in an irrational and clandestine manner been formed ; such as sorrow, rage, and pity, absurd emulation and fear, all-various desires, angers, and appetites, pride, supineness, and vehemence. For he corrected each of these by the rule of virtue, attempering them through appropriate melodies, as

through certain salutary medicines. In the evening, likewise, when his disciples were retiring to sleep, he liberated them by these means from diurnal perturbations and tumults, and purified their intellective power from the influxive and effluxive waves of a corporeal nature ; rendered their sleep quiet, and their dreams pleasing and prophetic. But when they again rose from their bed, he freed them from nocturnal heaviness, relaxation and torpor, through certain peculiar songs and modulations, produced either by simply striking the lyre, or employing the voice. Pythagoras, however, did not procure for himself a thing of this kind through instruments or the voice, but employing a certain ineffable divinity, and which it is difficult to apprehend, he extended his ears, and fixed his intellect in the sublime symphonies of the world, he alone hearing and understanding, as it appears, the universal harmony and consonance of the spheres, and the stars that are moved through them, and which produce a fuller and more intense melody than any thing effected by mortal sounds.¹ This melody also was the result of

¹ “ The Pythagoreans,” says Simplicius, in his Commentary on the 2d book of Aristotle’s treatise *On the Heavens*, said, “ that an harmonic sound was produced from the motion of the celestial bodies, and they scientifically collected this from the analogy of their intervals ; since not only the ratios of the sun and moon, of Venus and Mercury, but also of the other stars, were discovered by them.” Simplicius adds, “ Perhaps the objection of Aristotle to this assertion of the Pythagoreans, may be solved according to the philosophy of those men, as follows :

dissimilar and variously differing sounds, celerities, magnitudes, and intervals, arranged with reference

All things are not commensurate with each other, nor is every thing sensible to every thing, even in the sublunary region. This is evident from dogs who scent animals at a great distance, and which are not smelt by men. How much more, therefore, in things which are separated by so great an interval as those which are incorruptible from the corruptible, and celestial from terrestrial natures, is it true to say, that the sound of divine bodies is not audible by terrestrial ears? But if any one like Pythagoras, who is reported to have heard this harmony, should have his terrestrial body exempt from him, and his luminous and celestial vehicle* and the senses which it contains purified, either through a good allotment, or through probity of life, or through a perfection arising from sacred operations, such a one will perceive things invisible to others, and will hear things inaudible by others. With respect to divine and immaterial bodies, however, if any sound is produced by them, it is neither percussive nor destructive, but it excites the powers and energies of sublunary sounds, and perfects the sense which is co-ordinate with them. It has also a certain analogy to the sound which concurs with the motion of terrestrial bodies. But the sound which is with us in consequence of the sonoric nature of the air, is a certain energy of the motion of their impassive sound. If, then, air is not passive there, it is evident that neither will the sound which is there be passive. Pythagoras, however, seems to have said that he heard the celestial harmony, as understanding the harmonic proportions in

* The soul has three vehicles, one etherial, another aerial, and the third this terrestrial body. The first, which is luminous and celestial, is connate with the essence of the soul, and in which alone it resides in a state of bliss in the stars. In the second, it suffers the punishment of its sins after death. And from the third it becomes an inhabitant of earth.

to each other in a certain most musical ratio, and thus producing a most gentle, and at the same time variously beautiful motion and convolution. Being therefore irrigated as it were with this melody, having the reason of his intellect well arranged through it, and as I may say, exercised, he determined to exhibit certain images of these things to his disciples as much as possible, especially producing an imitation of them through instruments, and through the mere voice alone. For he conceived that by him alone, of all the inhabitants of the earth, the mundane sounds were understood and heard, and this from a natural fountain itself and root. He therefore thought himself worthy to be

numbers, of the heavenly bodies, and that which is audible in them. Some one, however, may very properly doubt why the stars are seen by our visive sense, but the sound of them is not heard by our ears? To this we reply that neither do we see the stars themselves; for we do not see their magnitudes, or their figures, or their surpassing beauty. Neither do we see the motion through which the sound is produced; but we see as it were such an illumination of them, as that of the light of the sun about the earth, the sun himself not being seen by us. Perhaps too, neither will it be wonderful, that the visive sense, as being more immaterial, subsisting rather according to energy than according to passion, and very much transcending the other senses, should be thought worthy to receive the splendor and illumination of the celestial bodies, but that the other senses should not be adapted for this purpose. Of these, however, and such like particulars, if any one can assign more probable causes, let him be considered as a friend, and not as an enemy."

taught, and to learn something about the celestial orbs, and to be assimilated to them by desire and imitation, as being the only one on the earth adapted to this by the conformation of his body, through the dæmoniacal power that inspired him. But he apprehended that other men ought to be satisfied in looking to him, and the gifts he possessed, and in being benefited and corrected through images and examples, in consequence of their inability to comprehend truly the first and genuine archetypes of things. Just, indeed, as to those who are incapable of looking intently at the sun, through the transcendent splendor of his rays, we contrive to exhibit the eclipses of that luminary, either in the profundity of still water, or through melted pitch, or through some darkly-splendid mirror; sparing the imbecility of their eyes, and devising a method of representing a certain repercussive light, though less intense than its archetype, to those who are delighted with a thing of this kind. Empedocles also appears to have obscurely signified this about Pythagoras, and the illustrious and divinely-gifted conformation of his body above that of other men, when he says :

“ There was a man among them [i. e. among the Pythagoreans] who was transcendent in knowledge, who possessed the most ample stores of intellectual wealth, and who was in the most eminent degree the adjutor of the works of the wise. For when he extended all the powers of his intellect, he easily

beheld every thing, as far as to ten or twenty ages of the human race."

For the words *transcendent*, and *he beheld every thing*, and *the wealth of intellect*, and the like, especially exhibit the illustrious nature of the conformation of his mind and body, and its superior accuracy in seeing, and hearing, and in intellectual perception.

CHAP. XVI.

THIS adaptation therefore of souls was procured by him through music. But another purification of the dianoetic part,¹ and at the same time of the whole soul, through all-various studies, was effected by him as follows: He conceived generally that labor should be employed about disciplines and studies, and ordained like a legislator, trials of the most various nature, punishments, and restraints by fire and sword, for innate intemperance, and an inexhaustible avidity of possessing; which he who is depraved can neither suffer nor sustain. Besides these things also, he ordered his familiars to abstain from all animals, and farther still from certain foods, which are hostile to the reasoning power, and impede its genuine energies. He likewise enjoined

¹ i. e. Of the discursive energy of reason, or that part of the soul that reasons scientifically, deriving the principles of its reasoning from intellect,

them continence of speech, and perfect silence, exercising them for many years in the subjugation of the tongue, and in a strenuous and assiduous investigation and resumption of the most difficult theorems. Hence also, he ordered them to abstain from wine, to be sparing in their food, to sleep little, and to have an unstudied contempt of, and hostility to glory, wealth, and the like : to have an unfeigned reverence of those to whom reverence is due, a genuine similitude and benevolence to those of the same age with themselves, and an attention and incitation towards their juniors, free from all envy. With respect to the amity also which subsists in all things towards all, whether it be that of Gods towards men through piety and scientific theory, or of dogmas towards each other, or universally of the soul towards the body, and of the rational towards the irrational part, through philosophy, and the theory pertaining to it ; or whether it be that of men to each other, of citizens indeed through sound legislation, but of strangers through a correct physiology ; or of the husband to the wife, or of brothers and kindred, through unperverted communion ; or whether, in short, it be of all things towards all, and still farther, of certain irrational animals through justice, and a physical connexion and association ; or whether it be the pacification and conciliation of the body which is of itself mortal, and of its latent contrary powers, through health, and a diet and temperance conformable to this, in

Iam.

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imitation of the salubrious condition of the mundane elements ;—of the appellation of all these, which are summarily comprehended in one and the same name, that of friendship, Pythagoras is acknowledged to have been the inventor and legislator. And, in short, he was the cause to his disciples of the most appropriate converse with the Gods, both when they were awake and when asleep ; a thing which never takes place in a soul disturbed by anger, or pain, or pleasure, or, by Jupiter, by any other base desire, or defiled by ignorance, which is more unholy and noxious than all these. By all these inventions, therefore, he divinely healed and purified the soul, resuscitated and saved its divine part, and conducted to the intelligible its divine eye, which, as Plato says, is better worth saving than ten thousand corporeal eyes ; for by looking through this alone, when it is strengthened and clarified by appropriate aids, the truth pertaining to all beings is perceived. Referring therefore to this, Pythagoras purified the dianoetic power of the soul. Such also was the form with him of erudition, and these were the things to which he directed his view.

CHAP. XVII.

As he therefore thus prepared his disciples for erudition, he did not immediately receive into the number of his associates those who came to him

for that purpose, till he had made trial of, and judiciously examined them. Hence in the first place he inquired after what manner they associated with their parents, and the rest of their relatives. In the next place he surveyed their unseasonable laughter, their silence, and their speaking when it was not proper; and farther still, what their desires were, with whom they associated, how they conversed with them, in what they especially employed their leisure time in the day, and what were the subjects of their joy and grief. He likewise surveyed their form, their mode of walking, and the whole motion of their body. Physiognomically also considering the natural indications of their frame, he made them to be manifest signs of the unapparent manners of the soul. When, therefore, he had thus made trial of some one, he suffered him to be neglected for three years, in the mean time observing how he was disposed with respect to stability, and a true love of learning, and if he was sufficiently prepared with reference to glory, so as to despise [popular] honor. After this, he ordered those who came to him to observe a quinquennial silence, in order that he might experimentally know how they were affected as to continence of speech, the subjugation of the tongue being the most difficult of all victories; as those have unfolded to us who instituted the mysteries. During this [probationary] time, however, the property of each was disposed of in common, and was com-

mitted to the care of those appointed for this purpose, who were called politicians, economizers, and legislators. And with respect to these probationers, those who appeared to be worthy to participate of his dogmas, from the judgment he had formed of them from their life and the modesty of their behaviour, after the quinquennial silence, then became *Esoterics*, and both heard and saw Pythagoras himself within the veil. For prior to this they participated of his words through the hearing alone, beyond the veil, without at all seeing him, giving for a long time a specimen of their peculiar manners. But if they were rejected they received the double of the wealth which they brought, and a tomb was raised to them as if they were dead by the *homacoi* ; for thus all the disciples of the man were called. And if they happened to meet with them afterwards, they behaved to them as if they were other persons, but said that they were dead, whom they had modelled by education, in the expectation that they would become truly good men by the disciplines they would learn. They also were of opinion that those who were more slow in the acquisition of knowledge, were badly organized, and, as I may say, imperfect and barren. If, however, after Pythagoras had physiognomically considered their form, their mode of walking, and every other motion, and the state of their body, and he had conceived good hope respecting them ; after likewise the quinquennial silence, and the or-

gies and initiations from so many disciplines, together with the ablutions of the soul, and so many and such great purifications produced from such various theorems, through which the sagacity and sanctity of the soul is perfectly ingenerated ; if, after all this, some one was found to be still sluggish and of a dull intellect, they raised to such a one in the school a certain pillar and monument, (as they are said to have done to Perialus the Thurian, and Cylon the prince of the Sybarites, who were rejected by them) expelled him from the *Homacoion* or auditory, loading him with a great quantity of silver and gold. For these were deposited by them in common, and were committed to the care of certain persons adapted to this purpose, and who were called Economics, from the office which they bore. And if afterwards they happened to meet with such a one, they conceived him to be any other person, than him who according to them was dead. Hence also Lysis, blaming a certain person named Hipparchus, because he had communicated the doctrines of the Pythagoreans to the profane, and to those who acceded to them without disciplines and theory, says as follows :

“ It is reported that you philosophize to every one you may happen to meet, and publicly, which Pythagoras did not think fit to do. And these things, indeed, O Hipparchus, you learnt with diligent assiduity, but you have not preserved them ; having tasted, O excellent man, of Sicilian delica-

cies, which you ought not to have tasted a second time. If, therefore, you abandon these, I shall rejoice; but if not, you will be dead in my opinion. For it will be pious to call to mind the divine and human precepts of Pythagoras, and not to make the goods of wisdom common to those, who have not even in a dream their soul purified. For it is not lawful to extend to every casual person, things which were obtained with such great labors, and such diligent assiduity, nor to divulge the mysteries of the Eleusinian Goddesses to the profane. For those who do either of these, are equally unjust and impious. But it will be well to consider what a great length of time we consumed in wiping away the stains which had insinuated themselves into our breasts, till, after the lapse of some years, we became fit recipients of the doctrines of Pythagoras. For as dyers previously purify garments, and then fix in the colors with which they wish them to be imbued, in order that the dye may not be washed away, and may never become evanescent; after the same manner also that divine man prepared the souls of those that were lovers of philosophy, so that they might not deceive him in any of those beautiful and good qualities which he hoped they would possess. For he did not impart spurious doctrines, nor snares, in which most of the sophists, who are at leisure for no good purpose, entangle young men; but he possessed a scientific knowledge of things human and divine. These men, however, making

his doctrine a pretext, perform many dreadful deeds, ensnaring youth not in a becoming nor yet in a casual way. Hence they render their auditors noxious and precipitate. For they infuse theorems and divine doctrines into confused and turbid manners. Just as if some one should pour pure and clear water into a deep well full of mud; for he would disturb the mud, and destroy the clear water. The same thing likewise takes place between those who teach and those who are taught after this manner. For dense thickets and which are full of briars surround the intellect and heart of those who have not been purely initiated in disciplines, obscure the mild, tranquil, and reasoning power of the soul, and openly impede the intellectual part from becoming increased and elevated. It is requisite likewise to call intemperance and avarice the mothers of these thickets; both which are naturally prolific. From intemperance, therefore, unlawful marriages, [unjust] desires, corruptions, intoxication, preternatural pleasures, and certain vehement appetites blossom forth, and which impel their possessors into profundities and precipices. For now desires have compelled some not to abstain either from their mothers or their daughters; and violating law, their country, city, and king, with their hands as it were bound behind them, they are violently dragged along like slaves to extreme destruction. But from avarice germinate rapine, robbery, parricide, sacrilege, sor-

cery, and such other evils as are the sisters of these. In the first place, therefore, it is necessary to purify the woods in which these passions have fixed their abode, with fire and sword, and all the machines of disciplines; and having liberated the reasoning power from such mighty evils, we may then implant in and deliver to it something useful and good." So great and so necessary was the attention which, according to Pythagoras, ought to be paid to disciplines prior to philosophy. He likewise ordained that a singular honor, and the most accurate investigation, should be given to the teaching and participation of his dogmas, as he judiciously examined the conceptions of those that came to him, by various documents, and ten thousand forms of scientific theory.

CHAP. XVIII.

AFTER this we must narrate how, when he had admitted certain persons to be his disciples, he distributed them into different classes according to their respective merits. For it was not fit that all of them should equally participate of the same things, as they were naturally dissimilar; nor was it indeed right that some should participate of all the most honorable auditions, but others of none, or should not at all partake of them. For this would be uncommunicative and unjust. While

therefore he imparted a convenient portion of his discourses to each, he benefited as much as possible all of them, and preserved the proportion of justice, by making each a partaker of the auditions according to his desert. Hence, in conformity to this method, he called some of them Pythagoreans, but others Pythagorists; just as we denominate some men Attics, but others Atticists. Having therefore thus aptly divided their names, some of them he considered to be genuine, but he ordained that others should show themselves to be the emulators of these. He ordered therefore that with the Pythagoreans possessions should be shared in common, and that they should always live together; but that each of the others should possess his own property apart from the rest, and that assembling together in the same place, they should mutually be at leisure for the same pursuits. And thus each of these modes was derived from Pythagoras, and transmitted to his successors. Again, there were also with the Pythagoreans two forms of philosophy; for there were likewise two genera of those that pursued it, the Acusmatici, and the Mathematici. Of these however the Mathematici are acknowledged to be Pythagoreans by the rest; but the Mathematici do not admit that the Acusmatici are so, or that they derived their instruction from Pythagoras, but from Hippasus. And with respect to Hippasus, some say that he was a Crotonian, but others a Metapontine. But the philoso-

phy of the Acusmatici consists in auditions unaccompanied with demonstrations and a reasoning process ; because it merely orders a thing to be done in a certain way, and that they should endeavour to preserve such other things as were said by him, as so many divine dogmas. They however profess that they will not speak of them, and that they are not to be spoken of ; but they conceive those of their sect to be the best furnished with wisdom, who retained what they had heard more than others. But all these auditions are divided into three species. For some of them indeed signify what a thing is ; others what it *especially* is ; but others, what ought, or what ought not, to be done. The auditions therefore which signify what a thing is, are such as, What are the islands of the blessed ? The sun and moon. What is the oracle at Delphi ? The tetractys. What is harmony ? That in which the Syrens subsist.¹ But the auditions which signify what a thing *especially* is, are such as, What is the most just thing ? To

¹ Kuster, one of the editors of this Life of Pythagoras, not perceiving that these auditions are both questions and answers, has made them to be questions only, and in consequence of this was completely at a loss to conceive the meaning of *οπερ εστιν η αρμονια, εν η αι Σειρηνες*. Hence, he thinks it should be, *τι εστιν η αρμονια η ηδον αι Σειρηνες* ; but is not satisfied with this reading after all. Something I have no doubt is wanting ; but the sense of the passage is, I conceive, that which is given in the above translation.

sacrifice. What is the wisest thing? Number.¹ But the next to this in wisdom, is that which gives names to things. What is the wisest of the things that are with us, [i. e. which pertain to human concerns]? Medicine. What is the most beautiful? Harmony. What is the most powerful? Mental

¹ “Pythagoras,” (says Proclus in MSS. Schol. in Cratylum,) “being asked what was the wisest of things, said it was number; and being asked what was the next in wisdom, said, he who gave names to things. But by number, he obscurely signified the intelligible order, which comprehends the multitude of intellectual forms: for there that which is the first, and properly number, subsists after the superessential one.” This likewise supplies the measures of essence to all beings, in which also true wisdom, and knowledge which is of itself, and which is converted to and perfects itself, subsist. And as there the intelligible, intellect, and intelligence, are the same, so there also number and wisdom are the same. But by the founder of names, he obscurely signified the soul, which indeed subsists from intellect, and is not things themselves like the first intellect, but possesses the images and essential transitive reasons of them as statues of beings. Being, therefore, is imparted to all things from intellect, which knows itself and is replete with wisdom; but that they are denominated is from soul, which imitates intellect. Pythagoras therefore said, that it was not the business of any casual person to fabricate names, but of one looking to intellect and the nature of things.”

¹ i. e. Number according to cause, which subsists at the extremity of the intelligible order. For number according to hyparxis or essence, subsists at the summit of the order which is intelligible and at the same time intellectual. See the 3d book of my translation of Proclus on the Theology of Plato.

decision. What is the most excellent? Felicity. What is that which is most truly asserted? That men are depraved. Hence they say that Pythagoras praised the Salaminian poet Hippodomas, because he sings :

Tell, O ye Gods ! the source from whence you came,
Say whence, O men ! thus evil you became ?

These therefore, and such as these, are the auditions of this kind. For each of these shows what a thing *especially* is. This however is the same with what is called the wisdom of the seven wise men. For they investigated, not what is *simply* good, but what is *especially* so ; nor what is difficult, but what is *most* difficult ; viz. for a man to know himself. Nor did they investigate what is easy, but what is *most* easy ; viz. to do what you are accustomed to do. For it seems that such auditions as the above, are conformable but posterior in time to such wisdom as that of the seven wise men ; since they were prior to Pythagoras. The auditions likewise, respecting what should or should not be done, were such as, That it is necessary to beget children. For it is necessary to leave those that may worship the Gods after us. That it is requisite to put the shoe on the right foot first. That it is not proper to walk in the public ways, nor to dip in a sprinkling vessel, nor to be washed in a bath. For in all these it is immanifest, whether those who use them are pure. Others also of this kind

are the following : Do not assist a man in laying a burden down ; for it is not proper to be the cause of not laboring ; but assist him in taking it up. Do not draw near to a woman for the sake of begetting children, if she has gold. Speak not about Pythagoric¹ concerns without light. Perform libations to the Gods from the handle of the cup, for the sake of an auspicious omen, and in order that you may not drink from the same part [from which you poured out the liquor.] Wear not the image of God in a ring, in order that it may not be defiled. For it is a resemblance which ought to be placed in the house. It is not right to use a woman ill ; for she is a suppliant. On this account also we bring her from the Vestal hearth, and take her by the right hand. Nor is it proper to sacrifice a white cock ; for this also is a suppliant, and is sacred to the moon. Hence likewise it announces the hours. To him who asks for counsel, give no other advice than that which is the best : for counsel is a sacred thing. Labors are good ; but pleasures are in every respect bad. For as we came into the present life for the purpose of punishment, it is necessary that we should be punished. It is proper to sacrifice, and to enter temples unshod. In going to a temple, it is not proper to turn out of the way ; for divinity

¹ The words *περι πυθαγορειων* are omitted in the original, but from the Protrept. of Iamblichus evidently ought to be inserted.

should not be worshipped in a careless manner. It is good to sustain, and to have wounds in the breast; but it is bad to have them behind. The soul of man alone does not enter into those animals, which it is lawful to kill. Hence it is proper to eat those animals alone which it is fit to slay, but no other animal whatever. And such were the auditions of this kind.

The most extended however were those concerning sacrifices, how they ought to be performed at all other times, and likewise when migrating from the present life; and concerning sepulture, and in what manner it is proper to be buried. Of some of these therefore the reason is to be assigned why they are ordered; such for instance as, it is necessary to beget children, for the sake of leaving another that may worship the Gods instead of yourself. But of others no reason is to be assigned. And of some indeed, the reasons are assumed proximately; but of others, remotely; such as, that bread is not to be broken, because it contributes to the judgment in Hades. The probable reasons however, which are added about things of this kind, are not Pythagoric, but were devised by some who philosophized differently from the Pythagoreans, and who endeavoured to adapt probability to what was said. Thus for instance, with respect to what has been just now mentioned, why bread is not to be broken, some say that it is not proper to dissolve that which congregates. For

formerly all those that were friends, assembled in a barbaric manner to one piece of bread. But others say, that it is not proper, in the beginning of an undertaking, to produce an omen of this kind by breaking and diminishing. Moreover, all such precepts as define what is to be done, or what is not to be done, refer to divinity as their end ; and every life is co-arranged so as to *follow God*. This also is the principle and the doctrine of philosophy. For men act ridiculously in searching for good any where else than from the Gods. And when they do so, it is just as if some one, in a country governed by a king, should reverence one of the citizens who is a magistrate, and neglect him who is the ruler of all of them. For the Pythagoreans thought that such men as we have just mentioned, performed a thing of this kind. For since God is, and is the lord of all things, it is universally acknowledged that good is to be requested of him. For all men impart good to those whom they love, and to those with whom they are delighted ; but they give the contrary to good to those to whom they are contrarily disposed. And such indeed is the wisdom of these precepts.

There was, however, a certain person named Hippomedon, an Ægean, a Pythagorean and one of the Acusmatici, who asserted that Pythagoras gave the reasons and demonstrations of all these precepts, but that in consequence of their being delivered to many, and these such as were of a

more sluggish genius, the demonstrations were taken away, but the problems themselves were left. Those however of the Pythagoreans that are called *Mathematici*, acknowledge that these reasons and demonstrations were added by Pythagoras, and they say still more than this, and contend that their assertions are true, but affirm that the following circumstance was the cause of the dissimilitude. Pythagoras, say they, came from Ionia and Samos, during the tyranny of Polycrates, Italy being then in a flourishing condition; and the first men in the city became his associates. But, to the more elderly of these, and who were not at leisure [for philosophy], in consequence of being occupied by political affairs, the discourse of Pythagoras was not accompanied with a reasoning process, because it would have been difficult for them to apprehend his meaning through disciplines and demonstrations; and he conceived they would nevertheless be benefited by knowing what ought to be done, though they were destitute of the knowledge of the *why*: just as those who are under the care of physicians, obtain their health, though they do not hear the reason of every thing which is to be done to them. But with the younger part of his associates, and who were able both to act and learn,—with these he conversed through demonstration and disciplines. These therefore are the assertions of the *Mathematici*, but the former, of the *Acusmatici*. With respect to Hippasus however espe-

cially, they assert that he was one of the Pythagoreans, but that in consequence of having divulged and described the method of forming a sphere from twelve pentagons,¹ he perished in the sea, as an impious person, but obtained the renown of having made the discovery. In reality, however, this as well as every thing else pertaining to geometry, was the invention of *that man*; for thus without mentioning his name, they denominate Pythagoras. But the Pythagoreans say, that geometry was divulged from the following circumstance: A certain Pythagorean happened to lose the wealth which he possessed; and in consequence of this misfortune, he was permitted to enrich himself from geometry. But geometry was called by Pythagoras *Historia*. And thus much concerning the difference of each mode of philosophising, and the classes of the auditors of Pythagoras. For those who heard him either within or without the veil, and those who heard him accompanied with seeing, or without seeing him, and who are divided into interior and exterior auditors, were no other than these. And it is requisite to arrange under these, the political, economic and legislative Pythagoreans.

¹ The same thing is said by the Pythagoreans to have befallen the person who first divulged the theory of incommensurable quantities. See the first scholium on the 10th book of Euclid's Elements, in Commandine's edition, fol. 1572.

CHAP. XIX.

UNIVERSALLY, however, it deserves to be known, that Pythagoras discovered many paths of erudition, and that he delivered an appropriate portion of wisdom conformable to the proper nature and power of each; of which the following is the greatest argument. When Abaris, the Scythian, came from the Hyperboreans, unskilled and uninitiated in the Grecian learning, and was then of an advanced age, Pythagoras did not introduce him to erudition through various theorems, but instead of silence, auscultation for so long a time, and other trials, he immediately considered him adapted to be an auditor of his dogmas, and instructed him in the shortest way in his treatise *On Nature*, and in another treatise *On the Gods*. For Abaris came from the Hyperboreans, being a priest of the Apollo who is there worshipped, an elderly man, and most wise in sacred concerns; but at that time he was returning from Greece to his own country, in order that he might consecrate to the God in his temple among the Hyperboreans, the gold which he had collected. Passing therefore through Italy, and seeing Pythagoras, he especially assimilated him to the God of whom he was the priest. And believing that he was no other than the God himself, and that no man resembled him, but that he was truly Apollo,

both from the venerable indications which he saw about him, and from those which the priest had known before, he gave Pythagoras a dart which he took with him when he left the temple, as a thing that would be useful to him in the difficulties that would befall him in so long a journey. For he was carried by it, in passing through inaccessible places, such as rivers, lakes, marshes, mountains, and the like, and performed through it, as it is said, lustrations, and expelled pestilence and winds from the cities that requested him to liberate them from these evils. We are informed, therefore, that Lacedæmon, after having been purified by him, was no longer infested with pestilence, though prior to this it had frequently fallen into this evil, through the baneful nature of the place in which it was built, the mountains of Taygetus producing a suffocating heat, by being situated above the city, in the same manner as Cnossus in Crete. And many other similar particulars are related of the power of Abaris. Pythagoras, however, receiving the dart, and neither being astonished at the novelty of the thing, nor asking the reason why it was given to him, but as if he was in reality a God himself, taking Abaris aside, he showed him his golden thigh, as an indication that he was not [wholly] deceived [in the opinion he had formed of him ;] and having enumerated to him the several particulars that were deposited in the temple, he gave him sufficient reason to believe that he had not badly conjectured

[in assimilating him to Apollo]. Pythagoras also added, that he came [into the regions of mortality] for the purpose of remedying and benefiting the condition of mankind, and that on this account he had assumed a human form, lest men being disturbed by the novelty of his transcendancy, should avoid the discipline which he possessed. He likewise exhorted Abaris to remain in that place, and to unite with him in correcting [the lives and manners] of those with whom they might meet; but to share the gold which he had collected, in common with his associates, who were led by reason to confirm by their deeds the dogma, *that the possessions of friends are common*. Thus, therefore, Pythagoras unfolded to Abaris, who remained with him, as we have just now said, physiology and theology in a compendious way; and instead of divination by the entrails of beasts, he delivered to him the art of prognosticating through numbers, conceiving that this was purer, more divine, and more adapted to the celestial numbers of the Gods. He delivered also to Abaris other studies which were adapted to him. That we may return, however, to that for the sake of which the present treatise was written, Pythagoras endeavoured to correct and amend different persons, according to the nature and power of each. All such particulars therefore as these, have neither been transmitted to the knowledge of men, nor is it easy to narrate all that has been transmitted to us concerning him.

CHAP. XX.

WE shall however exhibit a few specimens, and those the most celebrated, of the Pythagoric discipline, and also the monuments of the studies in which those men engaged. In the first place, therefore, Pythagoras in making trial [of the aptitude of those that came to him] considered whether they could *echemuthein*, i. e. whether they were able to refrain from speaking (for this was the word which he used), and surveyed whether they could conceal in silence and preserve what they had learnt and heard. In the next place, he observed whether they were modest. For he was much more anxious that they should be silent than that they should speak. He likewise directed his attention to every other particular; such as whether they were astonished by the energies of any immoderate passion or desire. Nor did he in a superficial manner consider how they were affected with respect to anger or desire, or whether they were contentious or ambitious, or how they were disposed with reference to friendship or strife. And if on his surveying all these particulars accurately, they appeared to him to be endued with worthy manners, then he directed his attention to their facility in learning and their memory. And in the first place, indeed, he considered whether they were able to

follow what was said, with rapidity and perspicuity ; but in the next place, whether a certain love and temperance attended them towards the disciplines which they were taught. For he surveyed how they were naturally disposed with respect to gentleness. But he called this *catartysis*, i. e. *elegance of manners*. And he considered ferocity as hostile to such a mode of education. For impudence, shamelessness, intemperance, slothfulness, slowness in learning, unrestrained licentiousness, disgrace, and the like, are the attendants on savage manners ; but the contraries on gentleness and mildness. He considered these things, therefore, in making trial of those that came to him, and in these he exercised the learners. And those that were adapted to receive the goods of the wisdom he possessed, he admitted to be his disciples, and thus endeavoured to elevate them to scientific knowledge. But if he perceived that any one of them was unadapted, he expelled him as one of another tribe, and a stranger.

In the next place, I shall speak of the studies which he delivered through the whole of the day to his associates. For those who committed themselves to the guidance of his doctrine, acted in the following manner : they performed their morning walks alone, and in places in which there happened to be an appropriate solitude and quiet, and where there were temples and groves, and other things adapted to give delight. For they thought it was not pro-

per to converse with any one, till they had rendered their own soul sedate, and had co-harmonised the reasoning power. For they apprehended it to be a thing of a turbulent nature to mingle in a crowd as soon as they rose from bed. On this account all the Pythagoreans always selected for themselves the most sacred places. But after their morning walk they associated with each other, and especially in temples, or if this was not possible, in places that resembled them. This time, likewise, they employed in the discussion of doctrines and disciplines, and in the correction of their manners.

CHAP. XXI.

AFTER an association of this kind, they turned their attention to the health of the body. Most of them, however, used unction and the course ; but a less number employed themselves in wrestling in gardens and groves ; others in leaping with leaden weights in their hands, or in pantomime gesticulations, with a view to the strength of the body, studiously selecting for this purpose opposite exercises. Their dinner consisted of bread and honey or the honey-comb ; but they did not drink wine during the day. They also employed the time after dinner in the political economy pertaining to strangers and guests, conformably to the mandate of the laws. For they wished to transact all business of this kind

in the hours after dinner. But when it was evening they again betook themselves to walking; yet not singly as in the morning walk, but in parties of two or three, calling to mind as they walked, the disciplines they had learnt, and exercising themselves in beautiful studies. After they had walked, they made use of the bath; and having washed themselves, they assembled in the place where they eat together, and which contained no more than ten who met for this purpose. These, however, being collected together, libations and sacrifices were performed with fumigations and frankincense. After this they went to supper, which they finished before the setting of the sun. But they made use of wine and maza, and bread, and every kind of food that is eaten with bread, and likewise raw and boiled herbs. The flesh also of such animals was placed before them as it was lawful to immolate; but they rarely fed on fish: for this nutriment was not, for certain causes, useful to them. In a similar manner also they were of opinion, that the animal which is not naturally noxious to the human race, should neither be injured nor slain. But after this supper libations were performed, and these were succeeded by readings. It was the custom however with them for the youngest to read, and the eldest ordered what was to be read, and after what manner. But when they were about to depart, the cup-bearer poured out a libation for them; and the libation being performed, the eldest

announced to them the following precepts : That a mild and fruitful plant should neither be injured nor corrupted, nor in a similar manner, any animal which is not noxious to the human race. And farther still, that it is necessary to speak piously and form proper conceptions of the divine, dæmoniacal, and heroic genera ; and in a similar manner, of parents and benefactors. That it is proper likewise to give assistance to law, and to be hostile to illegality. But these things being said, each departed to his own place of abode. They also wore a white and pure garment. And in a similar manner they lay on pure and white beds, the coverlets of which were made of thread ; for they did not use woollen coverlets. With respect to hunting they did not approve of it, and therefore did not employ themselves in an exercise of this kind. Such therefore were the precepts which were daily delivered to the disciples of Pythagoras, with respect to nutriment and their mode of living.

CHAP. XXII.

ANOTHER mode also of erudition is transmitted to us, which was effected through Pythagoric precepts, and sentences which extended to human life and human opinions ; a few of which out of many I shall narrate. One of these therefore contains an exhortation to remove contention and strife from

true friendship, and especially from all friendship, if possible. But if this is not possible, at least to expel it from paternal friendship, and universally from that which subsists with elders and benefactors. For to contend pervicaciously with such as these, anger or some other similar passion intervening, is not to preserve, [but destroy] the existing friendship. But they say it is necessary that the smallest lacerations and ulcerations should take place in friendships. And that this will be effected, if both the friends know how to yield and subdue their anger, and especially the younger of the two, and who belongs to some one of the above-mentioned orders. They likewise thought it necessary that the corrections and admonitions which they called *pædartases*, and which the elder employed towards the younger, should be made with much suavity of manners and great caution; and also that much solicitude and appropriation should be exhibited in admonitions. For thus the admonition will become decorous and beneficial. They likewise say that faith should never be separated from friendship, neither seriously nor in jest. For it is no longer easy for the existing friendship to remain in a sane condition, when falsehood once insinuates itself into the manners of those who assert themselves to be friends. And again they say, that friendship is not to be rejected on account of misfortune, or any other imbecility which happens to human life; but that the only laudable rejection

of a friend and of friendship, is that which takes place through great and incurable vice. Such therefore was the form of correction with the Pythagoreans through sentences, and which extended to all the virtues, and to the whole of life.

CHAP. XXIII.

THE mode however of teaching through symbols, was considered by Pythagoras as most necessary. For this form of erudition was cultivated by nearly all the Greeks, as being most ancient. But it was transcendently honored by the Egyptians, and adopted by them in the most diversified manner. Conformably to this, therefore, it will be found, that great attention was paid to it by Pythagoras, if any one clearly unfolds the significations and arcane conceptions of the Pythagoric symbols, and thus developes the great rectitude and truth they contain, and liberates them from their enigmatic form. For they are adapted according to a simple and uniform doctrine, to the great geniuses of these philosophers, and deify in a manner which surpasses human conception. For those who came from this school, and especially the most ancient Pythagoreans, and also those young men who were the disciples of Pythagoras when he was an old man, viz. Philolaus¹ and Eurytus, Charondas and

¹ Iamblichus, in this list of Pythagoreans, must not be supposed to enumerate those only who were contemporary with

Zaleucus, and Brysson, the elder Archytas also, and Aristæus, Lysis and Empedocles, Zanolxis and Epimenides, Milo and Leucippus, Alcmaeon, Hippasus and Thymaridas, and all of that age, consisting of a multitude of learned men, and who were above measure excellent,—all these adopted this mode of teaching, in their discourses with each other, and in their commentaries and annotations. Their writings also, and all the books which they published, *most of which have been preserved even to our time,*² were not composed by them in a popular and vulgar diction, and in a manner usual with all other writers, so as to be immediately understood, but in such a way as not to be easily apprehended by those that read them. For they adopted that taciturnity which was instituted by Pythagoras as a law, in concealing after an arcane mode, divine mysteries from the uninitiated, and obscuring their writings and conferences with each other. Hence he who selecting these symbols does not unfold their meaning by an apposite exposition, will cause those who may happen to meet with them to

Pythagoras: since, if he did, he contradicts what he says of Philolaus in Chap. 31. viz. “that he was many ages posterior to Pythagoras;” but those in general who came from the school of Pythagoras, and were his most celebrated disciples.

² From this passage it is evident that Iamblichus had many sources of information, which are unknown to modern critics; and this circumstance alone ought to check their pedagogical impertinence.

consider them as ridiculous and inane, and as full of nugacity and garrulity. When, however, they are unfolded in a way conformable to these symbols, and become obvious and clear even to the multitude, instead of being obscure and dark, then they will be found to be analogous to prophetic sayings, and to the oracles of the Pythian Apollo. They will then also exhibit an admirable meaning, and will produce a divine afflatus in those who unite intellect with erudition. Nor will it be improper to mention a few of them, in order that this mode of discipline may become more perspicuous: Enter not into a temple negligently, nor in short adore carelessly, not even though you should stand at the very doors themselves. Sacrifice and adore unshod. Declining from the public ways, walk in unfrequented paths. Speak not about Pythagoric concerns without light. And such are the outlines of the mode adopted by Pythagoras of teaching through symbols.

CHAP. XXIV.

SINCE, however, nutriment greatly contributes to the best discipline, when it is properly used, and in an orderly manner, let us consider what Pythagoras also instituted as a law about this. Universally, therefore, he rejected all such food as is flatulent, and the cause of perturbation, but he approved

of the nutriment contrary to this, and ordered it to be used, viz. such food as composes and compresses the habit of the body. Hence, likewise, he thought that millet was a plant adapted to nutrition. But he altogether rejected such food as is foreign to the Gods; because it withdraws us from familiarity with the Gods. Again, according to another mode also, he ordered his disciples to abstain from such food as is reckoned sacred, as being worthy of honor, and not to be appropriated to common and human utility. He likewise exhorted them to abstain from such things as are an impediment to prophesy, or to the purity and chastity of the soul, or to the habit of temperance, or of virtue. And lastly, he rejected all such things as are adverse to sanctity, and which obscure and disturb the other purities of the soul, and the phantasms which occur in sleep. These things therefore he instituted as laws in common about nutriment.

Separately, however, he forbade the most contemplative of philosophers, and who have arrived at the summit of philosophic attainments, the use of superfluous and unjust food, and ordered them never to eat any thing animated, nor in short, to drink wine, nor to sacrifice animals to the Gods, nor by any means to injure animals, but to preserve most solicitously justice towards them. And he himself lived after this manner, abstaining from animal food, and adoring altars undefiled with blood. He was likewise careful in preventing

others from destroying animals that are of a kindred nature with us, and rather corrected and instructed savage animals through words and deeds, than injured them through punishment. And farther still, he also enjoined those politicians that were legislators to abstain from animals. For as they wished to act in the highest degree justly, it is certainly necessary that they should not injure any kindred animal. Since, how could they persuade others to act justly, if they themselves were detected in indulging an insatiable avidity by partaking of animals that are allied to us? For through the communion of life and the same elements, and the mixture subsisting from these, they are as it were conjoined to us by a fraternal alliance. He permitted, however, others whose life was not entirely purified, sacred and philosophic, to eat of certain animals; and for these he appointed a definite time of abstinence. These therefore, he ordered not to eat the heart, nor the brain; and from the eating of these he entirely prohibited all the Pythagoreans. For these parts are of a ruling nature, and are as it were certain ladders and seats of wisdom and life. But other¹ things were considered by him as sacred on account of the nature of a divine reason. Thus he exhorted his disciples to abstain from mallows, because this plant is the first messenger

¹ For *αυτα* here I read, conformably to the version of Obrechtus, *αλλα*.

and signal of the sympathy of celestial with terrestrial natures. Thus, too, he ordered them to abstain from the fish melanurus ; for it is sacred to the terrestrial Gods. And also not to receive the fish erythinus, through other such like causes. He likewise exhorted them to abstain from beans, on account of many sacred and physical causes, and also such causes as pertain to the soul. And he established as laws other precepts similar to these, beginning through nutriment to lead men to virtue.

CHAP. XXV.

PYTHAGORAS was likewise of opinion that music contributed greatly to health, if it was used in an appropriate manner. For he was accustomed to employ a purification of this kind, but not in a careless way. And he called the medicine which is obtained through music by the name of purification. But he employed such a melody as this about the vernal season. For he placed in the middle a certain person who played on the lyre, and seated in a circle round him those who were able to sing. And thus, when the person in the centre struck the lyre, those that surrounded him sung certain pæans, through which they were seen to be delighted, and to become elegant and orderly in their manners. But at another time they used music in the place of medicine. And there are

certain melodies devised as remedies against the passions of the soul, and also against despondency and lamentation,¹ which Pythagoras invented as things that afford the greatest assistance in these maladies. And again, he employed other melodies against rage and anger, and against every aberration of the soul. There is also another kind of modulation invented as a remedy against desires. He likewise used dancing; but employed the lyre as an instrument for this purpose. For he conceived that the pipe was calculated to excite insolence, was a theatrical instrument, and had by no means a liberal sound.² Select verses also of Homer and Hesiod were used by him, for the purpose of correcting the soul. Among the deeds of Pythagoras likewise, it is said, that once through the spondaic song of a piper, he extinguished the rage of

¹ For *δηγμους* here, I read *οδυρμους*; as I do not see what *morsus* has to do with this place. Obrechtus has in his version “*pectorisque morsus*;” but I have no doubt *lamentations* is the proper word, which aptly associates with despondency.

² “Well-instituted politics,” (says Proclus in MS. Comment. in Alcibiad. prior.) “are averse to the art of playing on wind-instruments; and therefore neither does Plato admit it. The cause of this is the variety of this instrument, the pipe, which shows that the art which uses it should be avoided. For instruments called *Panarmonia*, and those consisting of many strings, are imitations of pipes. For every hole of the pipe emits, as they say, three sounds at least; but if the cavity above the holes be opened, then each hole will emit more than three sounds.”

a Tauromenian lad, who had been feasting by night, and intended to burn the vestibule of his mistress, in consequence of seeing her coming from the house of his rival. For the lad was inflamed and excited [to this rash attempt] by a Phrygian song; which however Pythagoras most rapidly suppressed. But Pythagoras, as he was astronomizing, happened to meet with the Phrygian piper at an unseasonable time of night, and persuaded him to change his Phrygian for a spondaic song; through which the fury of the lad being immediately repressed, he returned home in an orderly manner, though a little before this, he could not be in the least restrained, nor would in short, bear any admonition; and even stupidly insulted Pythagoras when he met him. When a certain youth also rushed with a drawn sword on Anchitus, the host of Empedocles, because, being a judge, he had publicly condemned his father to death, and would have slain him as a homicide, Empedocles changed the intention of the youth, by singing to his lyre that verse of Homer,

Nepenthe, without gall, o'er every ill
Oblivion spreads;——¹

and thus snatched his host Anchitus from death, and the youth from the crime of homicide. It is also related that the youth from that time became

¹ Odyss. lib. 4.

the most celebrated of the disciples of Pythagoras. Farther still, the whole Pythagoric school produced by certain appropriate songs, what they called *exartysis* or adaptation, *synarmoge* or elegance of manners, and *epaphe* or contact, usefully conducting the dispositions of the soul to passions contrary to those which it before possessed. For when they went to bed they purified the reasoning power from the perturbations and noises to which it had been exposed during the day, by certain odes and peculiar songs, and by this means procured for themselves tranquil sleep, and few and good dreams. But when they rose from bed, they again liberated themselves from the torpor and heaviness of sleep, by songs of another kind. Sometimes, also, by musical sounds alone, unaccompanied with words, they healed the passions of the soul and certain diseases, enchanting, as they say, in reality. And it is probable that from hence this name *epode*, i. e. enchantment, came to be generally used. After this manner, therefore, Pythagoras through music produced the most beneficial correction of human manners and lives.

CHAP. XXVI.

SINCE, however, we are narrating the wisdom employed by Pythagoras in instructing his disciples, it will not be inappropriate to relate that

which is proximate in a following order to this, viz. how he invented the harmonic science, and harmonic ratios. But for this purpose we must begin a little higher. Intently considering once, and reasoning with himself, whether it would be possible to devise a certain instrumental assistance to the hearing, which should be firm and unerring, such as the sight obtains through the compass and the rule, or, by Jupiter, through a dioptric instrument; or such as the touch obtains through the balance, or the contrivance of measures ;—thus considering, as he was walking near a brazier's shop, he heard from a certain divine casualty the hammers beating out a piece of iron on an anvil, and producing sounds that accorded with each other, one combination only excepted. But he recognized in those sounds, the diapason, the diapente, and the diatessaron, harmony. He saw, however, that the sound which was between the diatessaron and the diapente was itself by itself dissonant, yet, nevertheless, gave completion to that which was the greater sound among them. Being delighted, therefore, to find that the thing which he was anxious to discover had succeeded to his wishes by divine assistance, he went into the brazier's shop, and found by various experiments, that the difference of sound arose from the magnitude of the hammers, but not from the force of the strokes, nor from the figure of the hammers, nor from the transposition of the iron which was beaten. When, therefore, he had ac-

curately examined the weights and the equal counterpoise of the hammers, he returned home, and fixed one stake diagonally to the walls, lest if there were many, a certain difference should arise from this circumstance, or in short, lest the peculiar nature of each of the stakes should cause a suspicion of mutation. Afterwards, from this stake he suspended four chords consisting of the same materials, and of the same magnitude and thickness, and likewise equally twisted. To the extremity of each chord also he tied a weight. And when he had so contrived, that the chords were perfectly equal to each other in length, he afterwards alternately struck two chords at once, and found the before-mentioned symphonies, viz. a different symphony in a different combination. For he discovered that the chord which was stretched by the greatest weight, produced, when compared with that which was stretched by the smallest, the symphony diapason. But the former of these weights was twelve pounds, and the latter six. And, therefore, being in a duple ratio, it exhibited the consonance diapason; which the weights themselves rendered apparent. But again, he found that the chord from which the greatest weight was suspended compared with that from which the weight next to the smallest depended, and which weight was eight pounds, produced the symphony diapente. Hence he discovered that this symphony is in a sesquialter ratio, in which ratio also the weights were to each

other. And he found that the chord which was stretched by the greatest weight, produced, when compared with that which was next to it in weight, and was nine pounds, the symphony diatessaron, analogously to the weights. This ratio, therefore, he discovered to be sesquitertian; but that of the chord from which a weight of nine pounds was suspended, to the chord which had the smallest weight [or six pounds,] to be sesquialter. For 9 is to 6 in a sesquialter ratio. In like manner, the chord next to that from which the smallest weight depended, was to that which had the smallest weight, in a sesquitertian ratio, [for it was the ratio of 8 to 6,] but to the chord which had the greatest weight, in a sesquialter ratio [for such is the ratio of 12 to 8.] Hence, that which is between the diapente and the diatessaron, and by which the diapente exceeds the diatessaron, is proved to be in an epogdoan ratio, or that of 9 to 8. But either way it may be proved that the diapason is a system consisting of the diapente in conjunction with the diatessaron, just as the duple ratio consists of the sesquialter and sesquitertian, as for instance, 12, 8, and 6; or conversely, of the diatessaron and the diapente, as in the duple ratio of the sesquitertian and sesquialter ratios, as for instance 12, 9, and 6. After this manner, therefore, and in this order, having conformed both his hand and his hearing to the suspended weights, and having established according to them the ratio of the habi-

tudes, he transferred by an easy artifice the common suspension of the chords from the diagonal stake to the limen of the instrument, which he called *chordotonon*. But he produced by the aid of pegs a tension of the chords analogous to that effected by the weights.

Employing this method, therefore, as a basis, and as it were an infallible rule, he afterwards extended the experiment to various instruments ; viz. to the pulsation of patellæ or pans, to pipes and reeds, to monochords, triangles, and the like. And in all these he found an immutable concord with the ratio of numbers. But he denominated the sound which participates of the number 6 *hypate* : that which participates of the number 8 and is sesquitercian, *mese* ; that which participates of the number 9, but is more acute by a tone than mese, he called *paramese*, and *epogdous* ; but that which participates of the dodecad, *nete*. Having also filled up the middle spaces with analogous sounds according to the diatonic genus, he formed an octochord from symphonious numbers, viz. from the double, the sesquialter, the sesquitercian, and from the difference of these, the epogdous. And thus he discovered the [harmonic] progression, which tends by a certain physical necessity from the most grave [i. e. flat] to the most acute sound, according to this diatonic genus. For from the diatonic, he rendered the chromatic and enharmo-

nic genus perspicuous, as we shall some time or other show when we treat of music. This diatonic genus, however, appears to have such physical gradations and progressions as the following; viz. a semitone, a tone, and then a tone; and this is the diatessaron, being a system consisting of two tones, and of what is called a semitone. Afterwards, another tone being assumed, viz. the one which is intermediate, the diapente is produced, which is a system consisting of three tones and a semitone. In the next place to this is the system of a semitone, a tone, and a tone, forming another diatessaron, i. e. another sesquitertian ratio. So that in the more ancient heptachord indeed, all the sounds, from the most grave, which are with respect to each other fourths, produce every where with each other the symphony diatessaron; the semitone receiving by transition, the first, middle, and third place, according to the tetrachord. In the Pythagoric octachord, however, which by conjunction is a system of the tetrachord and pentachord, but if disjoined is a system of two tetrachords separated from each other, the progression is from the most grave sound. Hence all the sounds that are by their distance from each other fifths, produce with each other the symphony diapente; the semitone successively proceeding into four places, viz. the first, second, third, and fourth. After this manner, therefore, it is said that music was discovered by

Pythagoras. And having reduced it to a system, he delivered it to his disciples as subservient to every thing that is most beautiful.¹

CHAP. XXVII.

MANY also of the political actions of his followers are [deservedly] praised. For it is reported that the Crotonians being once impelled to make sumptuous funerals and interments, some one of them said to the people, that he had heard Pythagoras when he was discoursing about divine natures observe, that the Olympian Gods attended to the dispositions of those that sacrificed, and not to the multitude of the sacrifices; but that, on the contrary, the terrestrial Gods, as being allotted the government of things less important, rejoiced in banquets and lamentations, and farther still, in continual libations, in delicacies, and in celebrating funerals with great expense. Whence, on account of his wish to receive, Pluto is called Hades. He suffers, therefore, those that slenderly honor him to remain for a longer time in the upper world; but he always draws down some one of those who are disposed to spend profusely in funeral solemnities, in order that he may obtain the honors which take

¹ Iamblichus derived what he has said in this chapter about music, from Nicomachus.

place in commemoration of the dead. In consequence of this advice, the Crotonians that heard it were of opinion, that if they conducted themselves moderately in misfortunes, they would preserve their own salvation ; but that if they were immoderate in their expenses, they would all of them die prematurely. A certain person also having been made an arbitrator in an affair in which there was no witness, led each of the litigants to a certain monument, and said to one of them, the man who is buried in this monument was transcendently equitable ; in consequence of which the other litigant prayed that the dead man might obtain much good ; but the former said that the defunct was not at all better for the prayers of his opponent. Pythagoras, therefore, condemned what the former litigant said, but asserted that he who praised the dead man for his worth, had done that which would be of no small importance in his claim to belief. At another time, in a cause of great moment, he decided that one of the two who had agreed to settle the affair by arbitration, should pay four talents, but that the other should receive two. Afterwards, he condemned the defendant to pay three talents ; and thus he appeared to have given a talent to each of them. Two persons also had fraudulently deposited a garment with a woman who belonged to a court of justice, and told her she was not to give it to either of them unless both were present. Some time after, for the purpose of cir-

cumvention, one of them received the common deposit, and said that it was with the consent of the other. But the other, who had not been present [when the garment was returned], acted the part of a sycophant, and related the compact that was made at the beginning, to the magistrates. A certain Pythagorean, however, taking up the affair said, that the woman had acted conformably to the compact, as both parties had been present. Two other persons also appeared to have a strong friendship for each other, but had fallen into a silent suspicion through a flatterer of one of them, who told him that his wife had been corrupted by the other. It so happened however, that a Pythagorean came into a brazier's shop, where he who conceived himself to be injured, was showing to the artist a sword which he had given him to sharpen, and was indignant with him because it was not sufficiently sharp. The Pythagorean, therefore, suspecting that the sword was intended to be used against him who was accused of adultery, said, This sword is sharper than all things except calumny. This being said, caused the man to consider with himself [what it was he intended to do], and not rashly to sin against his friend who was within, and who had been previously called [by him in order that he might kill him]. A zone also that had golden ornaments having fallen [at the feet] of a certain stranger in the temple of Esculapius, and the laws forbidding any one to take up that which

had fallen on the ground, a Pythagorean advised the stranger, who was indignant at this prohibition, to take away the golden ornaments which had not fallen to the ground, but to leave the zone, because this was on the ground.¹ That circumstance, likewise, which by the ignorant is transferred to other places, is said to have happened in Crotona, viz. that during a public spectacle, some cranes flew over the theatre, and one of those who had sailed into the port, said to the person who sat near him, Do you see the witnesses? which being heard by a certain Pythagorean, he brought them into the court, consisting of a thousand magistrates, where being examined, it was found that they had thrown certain boys into the sea, and that they called the cranes who flew over the ship [at the time,] witnesses of the deed. When likewise certain persons who had recently become disciples of Pythagoras were at variance with each other, he who was the junior of the two came to the other and said to him, that there was no occasion to refer the affair to a third person,

¹ The first part of this sentence in the original is *ξενον τινας εκβεβληκοτος εν Ασκληπειω ζωνην χρυσιον εχουσαν*, and in translating it I have followed the version of Obrechtus, because it appeared to me to convey the meaning of Iamblichus, though the translation is certainly forced, and not such as the natural construction of the words will admit. The translation of Arcerius is, “Cum hospes quidam in æde Æsculapii fœminam zonam auream habentem ejecisset;” and this is perfectly conformable to the natural construction of the words, but then it is void of sense.

but that it rested with them to commit their anger to oblivion. He, therefore, to whom these words were addressed, replied that he was very much pleased in other respects with what had been said, but that he was ashamed that, being the elder, he had not first said the same thing to the other [who was the junior]. We might here also narrate what is said of Phinthias and Damon,¹ of Plato and Archytas, and likewise of Clinias and Prorus.² Omitting, however, these [for the present], we shall mention what is related of Eubulus the Messenian, who when he was sailing homeward, and was taken captive by the Tyrrhenians, was recognized by Nausithus a Tyrrhenian and also a Pythagorean, because he was one of the disciples of Pythagoras, and was taken by him from the pirates, and brought with great safety to Messena. When the Carthaginians, also, were about to send more than five thousand soldiers into a desert island, Miltiades the Carthaginian, perceiving among them the Argive Possiden (both of them being Pythagoreans), went to him, and not manifesting what he intended to do, advised him to return to his native country, with all possible celerity, and having placed him in a ship that was then sailing near the shore, supplied him with what was necessary for his voyage, and thus saved the man from the dan-

¹ This history is copiously narrated in chap. 33.

² See chap. 33.

gers [to which he was exposed]. In short, he who should relate all that has taken place among the Pythagoreans in their associations with each other, would by the length of his narration exceed the proper quantity and the occasion of his treatise.

I shall therefore rather pass on to show, that some of the Pythagoreans were political characters, and adapted to govern. For they were guardians of the laws, and ruled over certain Italian cities, unfolding to them, and counselling them to adopt the most excellent measures, but abstaining from public revenues. And though they were greatly calumniated, yet at the same time the probity of the Pythagoreans, and the wish of the cities themselves prevailed, so that they were desired by them to administer their political concerns. But at this time the most beautiful of polities appear to have existed in Italy and in Sicily. For Charondas the Catanean, who appears to have been one of the best legislators, was a Pythagorean; as were also the Locrians Zaleucus and Timares, who were celebrated for their legislation. Those also who established the Rheginic polities, that polity which is called Gymnasiarchic, and that which is denominated from Theocles, are said to have been Pythagoreans. Phytius likewise, Theocles, Eleaon, and Aristocrates, excelled among the Pythagoreans in their studies and manners, which also the cities in those places adopted at those times. In short, it is asserted that Pythagoras was the in-

ventor of the whole of political erudition, when he said that nothing is pure among things that have an existence ; but that earth participates of fire, fire of air, air of water, and water of spirit. And in a similar manner the beautiful participates of the deformed, the just of the unjust, and other things conformably to these. From this hypothesis, however, the reasoning tends to either part. He also said, that there are two motions of the body and the soul ; the one being irrational, but the other the effect of deliberate choice. That three certain lines also constitute polities, the extremes of which mutually touch each other, and produce one right angle ; so that one of them has the nature of the sesquitertian ; another that of the diapente ; and the third is a medium between the other two.¹ But when we consider by a reasoning process the coincidences of the lines with each other, and also of the places under these, we shall find that they represent the best image of a polity. Plato has made the glory of this invention his own ; for he clearly says in his Republic, “ that the sesquitertian progeny conjoined with the pentad produces two harmonies.”² It is also said, that Pythagoras cultivated the moderation of the passions, and me-

¹ These lines are as the numbers 4, 3, 2. For 4 to 3 is sesquitertian, 3 to 2 is sesquialter, and 2 is an arithmetical medium between 4 and 3.

² For an explanation of this assertion of Plato in the Republic, see my Theoretic Arithmetic.

diocrity, and that by the conjunction of a certain precedaneous good, he rendered the life of each of his disciples happy. And in short, it is said that he discovered the choice of our good, and of the works adapted to our nature. It is likewise narrated of him, that he withdrew the Crotonians from harlots, and universally from an association with women that were not affianced. For the wives of the Crotonians came to Theano the wife of Brontinus, one of the Pythagoreans, a woman of a wise and excellent soul, (and who was the author of that beautiful and admirable saying, "that it is lawful for a woman to sacrifice on the very day in which she has risen from the embraces of her husband," which some ascribe to Theano the wife of Pythagoras) the Crotonian wives came therefore to her, and entreated her to persuade Pythagoras to discourse to them on the continence which was due from them to their husbands. This she promised to do; and Pythagoras having accordingly made an oration to the Crotonians, which had the desired effect, the incontinence which then prevailed was entirely destroyed. It is further related likewise, that when ambassadors came to the city of the Crotonians from Sybaris, for the purpose of demanding the exiles, Pythagoras beholding one of the ambassadors, who with his own hand had slain one of his friends, made him no answer. But when the man interrogated him, and wished to converse with him, Pythagoras said, that it was not lawful to discourse

with homicides. Whence also by certain persons he was thought to be Apollo. All these particulars, therefore, and such as we have a little before mentioned concerning the destruction of tyrants, and the liberation of the cities of Italy and Sicily, and many other circumstances, are indications of the benefits conferred on mankind by Pythagoras in political concerns.

CHAP. XXVIII.

THAT which follows after this, we shall no longer discuss generally, but direct our attention particularly to the works resulting from the virtues of Pythagoras. And we shall begin in the first place from the Gods, as it is usual to do, and endeavour to exhibit his piety, and the admirable works which he performed. Let this, therefore, be one specimen of his piety, which also we have before mentioned, that he knew what his soul was, and whence it came into the body, and also its former lives, and that of these things he gave most evident indications. After this also, let the following be another specimen; that once passing over the river Nessus with many of his associates, he spoke to it, and the river in a distinct and clear voice, in the hearing of all his followers, answered, *Hail Pythagoras!* Farther still, nearly all historians of his life confidently assert, that in one and
I am.

the same day he was present at Metapontum in Italy, and Tauromenium in Sicily, and discoursed in common with his disciples in both places, though these cities are separated from each other by many stadia both by land and sea, and cannot be passed through in a great number of days. The report, also, is very much disseminated, that he showed his golden thigh to the Hyperborean Abaris, who said that he resembled the Apollo among the Hyperboreans, and of whom Abaris was the priest; and that he did this in order that Abaris might apprehend this to be true, and that he was not deceived in his opinion. Ten thousand other more divine and more admirable particulars likewise are uniformly and unanimously related of *the man*: such as infallible predictions of earthquakes, rapid expulsions of pestilence and violent winds, instantaneous cessations of the effusion of hail, and a tranquillization of the waves of rivers and seas, in order that his disciples might easily pass over them. Of which things also, Empedocles the Agrigentine, Epimenides the Cretan, and Abaris the Hyperborean, receiving the power of effecting, performed certain miracles of this kind in many places. Their deeds, however, are manifest. To which we may add, that Empedocles was surnamed *an expeller of winds*; Epimenides, *an expiator*; and Abaris, *a walker on air*; because being carried on the dart which was given to him by the Hyperborean Apollo, he passed over rivers and seas and inac-

cessible places, like one walking on the air. Certain persons likewise are of opinion, that Pythagoras did the same thing, when in the same day he discoursed with his disciples at Metapontum and Tauromenium. It is also said, that he predicted there would be an earthquake from the water of a well which he had tasted; and that a ship which was sailing with a prosperous wind, would be merged in the sea. And let these, indeed, be the indications of his piety.

Again, however, assuming a more elevated exordium, I am desirous to exhibit the principles of the worship of the Gods, which Pythagoras and his followers established; viz. that all such particulars as they define with respect to doing or not doing a thing, have for the mark at which they aim, a consent with divinity. This also is with them the principle, [of piety] and their whole life is arranged with a view *to follow God*. The language, too, of their philosophy is this, that men act ridiculously in exploring good from any other source than the Gods; and that their conduct in this respect resembles that of a man, who in a country governed by a king should reverence one of the magistrates in the city, and neglect him who is the ruler of all of them. For they were of opinion that such was the conduct of mankind. For since God is, and is the Lord of all things, it is universally acknowledged that good is to be requested of him. For all men impart good to those whom they love, and to those

with whom they are delighted ; but they give the contrary to good, to those to whom they are contrarily disposed. It is evident, therefore, that those things are to be done, in which God delights. It is, however, not easy for a man to know what these are, unless he obtains this knowledge from one who has heard God, or has heard God himself, or procures it through divine art. Hence also, the Pythagoreans were studious of divination. For this alone is an interpretation of the benevolence of the Gods. And in short, he will conceive an employment of this kind to be worthy of regard, who believes that there are Gods ; but he who thinks that either of these is folly, will also be of opinion that both are foolish. Many of the mandates, however, of the Pythagoreans were introduced from the mysteries ; for they did not conceive them to be the productions of arrogance, but to originate from a certain divinity. And in a similar manner, all the Pythagoreans believe such things as are mythologically related of Aristeas the Proconesian, and Abaris the Hyperborean, and other particulars of a like nature. For they consider every thing of this kind to be credible ; and of many [such] things they make trial themselves. They also frequently recollect such-like particulars as appear to be fabulous, as not disbelieving in any thing which may be referred to divinity. A certain person therefore relates, that Eurytus said, that a shepherd feeding his sheep near the tomb of Philolaus, heard some

one singing. But the person to whom this was related, did not at all disbelieve the narration, but asked what kind of harmony it was? Both of them, however, were Pythagoreans, and Eurytus was the disciple of Philolaus. It is likewise said, that a certain person told Pythagoras, that he appeared to himself once to converse with his father who was dead, and that he asked Pythagoras what this indicated? Pythagoras replied, that it indicated nothing; but that he had in reality conversed with his father. As therefore, said he, nothing is signified by my now discoursing with you, so neither is any thing signified by your conversing with your father. Hence, in all particulars of this kind, they did not think that they were stupid, but those that disbelieved in them. For they did not conceive that some things are possible to the Gods, but others impossible, as those fancy who reason sophistically; but they believed that all things are possible to the Gods. And this very assertion is the beginning of the verses, which they ascribe to Linus, and which are as follow:

All things may be the objects of our hope,
 Since nothing hopeless any where is found:
 All things with ease Divinity effects,
 And nought can frustrate his almighty power.

But they thought that their opinions deserved to be believed, because he who first promulgated them, was not any casual person, but a God. For this

was one of their questions ; What was Pythagoras ? For they say that he was the Hyperborean Apollo ; of which this was an indication, that rising up in the Olympic games, he showed his golden thigh ; and also that he received the Hyperborean Abaris as his guest, and was presented by him with the dart on which he rode through the air. But it is said that Abaris came from the Hyperborean regions, in order that he might collect gold for the temple, and that he predicted a pestilence. He also dwelt in temples, and was never seen either to eat or drink. It is likewise said, that rites which purify from evil are performed by the Lacedæmonians, and that on this account Lacedæmon was never infested with pestilence. Pythagoras, therefore, caused this Abaris to acknowledge [that he was more than man,] receiving from him at the same time the golden dart, without which it was not possible for him to find his way. In Metapontum also, certain persons praying that they might obtain what a ship contained that was then sailing into port, Pythagoras said to them, You will then have a dead body. In Sybaris, too, he caught a deadly serpent and dismissed it. In a similar manner likewise in Tyrrhenia, he caught a small serpent, whose bite was fatal. But in Crotona a white eagle, it is said, suffered Pythagoras to stroke it. A certain person also wishing to hear him discourse, he said that he could not, till some sign appeared. And after this

a white bear was seen in Cauconia ; the death of which he predicted to one who was about to tell him that it was dead. He likewise reminded Myllias the Crotonian that he had been Midas the son of Gordius. And Myllias passed over to the continent of Asia, in order to perform at the sepulchre [of Midas] those rites which had been enjoined him by Pythagoras. It is likewise said, that the person who bought his house, and who dug up that which had been buried in it, did not dare to tell any one what he saw [on this occasion]. But instead of suffering for this offence, he was seized at Crotona for sacrilege, and put to death. For he took away a golden beard which had fallen from a statue. These things therefore, and others of the like kind, are related by the Pythagoreans, in order to render their opinions worthy of belief. And as these are acknowledged to be true, and it is impossible they should have happened to one man, they consequently think it is clear, that what is related of Pythagoras, should be received as pertaining to a being superior to man, and not to a mere man. This also is the meaning of their enigmatical assertion, that *man, bird, and another third thing, are bipeds*. For the third thing is Pythagoras. Such, therefore, was Pythagoras on account of his piety, and such he was truly thought to be.

With respect to oaths, however, all the Pythagoreans religiously observe them, being mindful of the Pythagoric precept,

First to th' immortal Gods thy homage pay,
 As they by law are orderly dispos'd ;
 And reverence thy oath, but honor next
 Th' illustrious heroes.

Hence a certain Pythagorean, being compelled by law to take an oath, yet in order that he might preserve a Pythagoric dogma, though he would have sworn religiously, chose instead of swearing to pay three talents, this being the fine which he was condemned to pay to the defendant. That Pythagoras however thought that nothing was from chance and fortune, but that all events happened conformably to divine providence, and especially to good and pious men, is confirmed by what is related by Androcydes in his treatise on Pythagoric Symbols, of Thymaridas the Tarentine, and a Pythagorean. For when through a certain circumstance he was about to sail from his own country, and his friends who were present were embracing him, and bidding him farewell, some one said to him, when he had now ascended into the ship, May such things happen to you from the Gods, O Thymaridas, as are conformable to your wishes ! But he replied, predict better things ; for I should rather wish that such things may happen to me as are conformable to the will of the Gods. For he thought it was more scientific and equitable, not to resist or be indignant with divine providence. If, therefore, any one wishes to learn what were the sources whence these men derived so much piety, it must

be said, that a perspicuous paradigm of the Pythagoric theology according to numbers, is in a certain respect to be found in the writings of Orpheus. Nor is it to be doubted, that Pythagoras receiving auxiliaries from Orpheus, composed his treatise Concerning the Gods, which on this account also he inscribed the Sacred Discourse, because it contains the flower of the most mystical place in Orpheus; whether this work was in reality written by Pythagoras, as by most authors it is said to have been, or as some of the Pythagoric school who are both learned and worthy of belief assert, was composed by Telauges; being taken by him from the commentaries which were left by Pythagoras himself to his daughter Damo, the sister of Telauges, and which it is said after her death were given to Bitale the daughter of Damo, and to Telauges the son of Pythagoras, and the husband of Bitale, when he was of a mature age. For when Pythagoras died, he was left very young with his mother Theano. In this Sacred Discourse also, or treatise concerning the Gods (for it has both these inscriptions), who it was that delivered to Pythagoras what is there said concerning the Gods, is rendered manifest. For it says: “*that Pythagoras the son of Mnesarchus was instructed in what pertains to the Gods, when he celebrated orgies in the Thracian Libethra, being initiated in them by Aglaophemus; and that Orpheus the son of Calliope, having learnt wisdom from his mother in the moun-*

*tain Pangæus, said, that the eternal essence of number is the most providential principle of the universe, of heaven and earth, and the intermediate nature ; and farther still, that it is the root of the permanency of divine natures, of Gods and dæmons."*¹ From these things, therefore, it is evi-

¹ "The Pythagoreans," (says Syrianus in Aristot. Metaphys. lib. 13.) "received from the theology of Orpheus, the principles of intelligible and intellectual numbers, they assigned them an abundant progression, and extended their dominion as far as to sensibles themselves. Hence that proverb was peculiar to the Pythagoreans, that *all things are assimilated to number*. Pythagoras, therefore, in THE SACRED DISCOURSE, clearly says, that "number is the ruler of forms and ideas, and is the cause of Gods and dæmons." He also supposes, that "to the most ancient and artificially ruling deity, number is the canon, the artificial reason, the intellect also, and the most undeviating balance of the composition and generation of all things." αὐτος μὲν Πυθαγόρας, ἐν τῷ ἱερῷ λόγῳ, διαρρηδην μορφῶν καὶ ἰδεῶν κραντορα τὸν ἀριθμὸν ἔλεγεν εἶναι, καὶ θεῶν καὶ δαιμονῶν αἰτιον· καὶ τῷ πρεσβυτάτῳ καὶ κρατιστενοντι τεχνιτῇ θεῷ κανονα, καὶ λόγον τεχνικόν, νοῦν τε καὶ σταθμὰν ἀκλινεστάταν τὸν ἀριθμὸν ὑπείκε συστάσιος καὶ γενεσεως τῶν παντῶν. Syrianus adds, "But Philolaus declared that number is the governing and self-begotten bond of the eternal permanency of mundane natures." Φιλόλαος δὲ, τῆς τῶν κοσμικῶν αἰωνίας διαμονῆς τὴν κρατιστενονσαν καὶ αὐτογενῆ συνοχὴν εἶναι ἀπεφῆνατο τὸν ἀριθμὸν. "And Hippasus, and all those who were destined to a quinquennial silence, called number the judicial instrument of the maker of the universe, and the first paradigm of mundane fabrication." οἱ δὲ περὶ Ἰππασὸν ἀκουσματικοὶ εἶπον κριτικὸν κοσμοῦργοῦ θεοῦ ὄργανον, καὶ παραδειγμα πρῶτον κοσμοποιΐας. "But how is it possible they could

dent that he learnt from the Orphic writers that the essence of the Gods is defined by number. *Through the same numbers also, he produced an admirable fore-knowledge and worship of the Gods, both which are especially most allied to numbers.* This, however, may be known from hence ; for it is necessary to adduce a certain fact, in order to procure belief of what is said. When Abaris performed sacred rites in his accustomed manner, he procured a fore-knowledge of future events, which is studiously cultivated by all the Barbarians, through sacrificing animals, and especially birds ; for they are of opinion that the viscera of such animals are subservient to a more accurate inspection. Pythagoras, therefore, not wishing to suppress his ardent pursuit of truth, but to impart it to him through a certain safer way, and without blood and slaughter, and also because he thought that a cock was sacred to the sun, *furnished him with a consummate knowledge of all truth, as it is said, through the arithmetical science.* He also obtained from piety, faith concerning the Gods. For Pythagoras always proclaimed, that nothing admirable pertaining to the Gods or divine dogmas should be disbelieved, because the Gods are able to accomplish all things. And the divine dogmas

have spoken thus sublimely of number, unless they had considered it as possessing an essence separate from sensibles, and a transcendence fabricative, and at the same time paradigmatic?"

in which it is requisite to believe, are those which Pythagoras delivered. Thus, therefore, the Pythagoreans believed in, and assumed the things about which they dogmatised, because they were not the progeny of false opinion. Hence Eurytus the Crotonian, the auditor of Philolaus said, that a shepherd feeding his sheep near the tomb of Philolaus, heard some one singing. But the person to whom this was related, did not at all disbelieve the narration, but asked what kind of harmony it was. Pythagoras himself, also, being asked by a certain person what was indicated by seeming in sleep to converse with his father who was dead, answered that it indicated nothing. For neither, said he, is any thing portended by your speaking with me.

Pythagoras likewise used pure and white garments, and in a similar manner white and pure coverlids ; for he did not use those that were made of wool. And this custom he also delivered to his auditors. In speaking also of the natures superior to man, he employed honorable appellations, and words of good omen, and upon every occasion made mention of and revered the Gods ; so that while at supper, he performed libations to the divinities, and ordered his disciples to celebrate with hymns the beings that are above us, every day. He paid attention likewise to rumors and omens, prophecies and lots, and in short, to all casual circumstances. Moreover, he sacrificed to the Gods with millet, cakes, honey-combs, and

other fumigations. But he did not sacrifice animals, nor did any one of the contemplative philosophers. His other disciples, however, viz. the acusmatici, and the politici, were ordered by him to sacrifice animals, such as a cock, or a lamb, or some other animal recently born, but not frequently. At the same time they were prohibited from sacrificing oxen. This also is an indication of the honor which he paid to the Gods, that he exhorted his disciples never to employ the names of the Gods uselessly in swearing. On which account also Syllus, one of the Pythagoreans in Crotona, paid a fine for not swearing, though he could have sworn without violating truth. An oath too such as the following is ascribed to the Pythagoreans, as they were unwilling, through reverence, to name Pythagoras ; just as they very much abstained from using the names of the Gods. But they manifested the man through the invention of the tetractys.

I swear by him who the tetractys found,
Whence all our wisdom springs, and which contains
Perennial Nature's fountain, cause, and root.

And, in short, it is said that Pythagoras was emulous of the Orphic mode of writing and [piety of] disposition ; and that he honored the Gods in a way similar to that of Orpheus, placing them in images and in brass, not conjoined to our forms,

but to divine receptacles ;¹ because they comprehend and provide for all things, and have a nature and *morphe* similar to the universe. He also promulgated purifications, and initiations as they are called, which contain the most accurate knowledge of the Gods. And farther still, it is said, that he was the author of a compound divine philosophy and worship of the Gods ; having learnt indeed some things from the followers of Orpheus, but others from the Egyptian priests ; some from the Chaldæans and Magi ; some from the mysteries performed in Eleusis, in Imbrus, Samothracia, and Delos ; and some also from those which are performed by the Celtæ, and in Iberia. It is also said that the Sacred Discourse of Pythagoras is extant among the Latins, and is read not to all, nor by all of them, but by those who are promptly dis-

¹ i. e. To spheres ; Iamblichus indicating by this, that Pythagoras as well as Orpheus considered a spherical figure as the most appropriate image of divinity. For the universe is spherical ; and, as Iamblichus afterwards observes, the Gods have a nature and *morphe* similar to the universe ; *morphe*, as we learn from Simplicius, pertaining to the color, figure, and magnitude of superficies. Keissling, having no conception of this meaning, and supposing the whole passage to be corrupt, has made nonsense of it by his alterations. For according to his version, Pythagoras, after the manner of Orpheus, worshipped the Gods not bound to a human form, but *to divine numbers*. For instead of *ιδρυμασι* he reads *αριθμοις*. But divine numbers both according to Orpheus and Pythagoras are the Gods themselves.

posed to learn what is excellent, and apply themselves to nothing base. He likewise ordained that men should make libations thrice, and observed that Apollo delivered oracles from the tripod, because the triad is the first number. That sacrifices also should be made to Venus on the sixth day, because this number is the first that partakes of every number, and, when divided in every possible way, receives the power of the numbers subtracted and of those that remain. But that it is necessary to sacrifice to Hercules on the eighth day of the month from the beginning, looking in so doing to his being born in the seventh month. He further asserted, that it was necessary that he who entered a temple should be clothed with a pure garment, and in which no one had slept; because sleep in the same manner as the black and the brown, is an indication of sluggishness; but purity is a sign of equality and justice in reasoning. He also ordered, that if blood should be found involuntarily spilt in a temple, a lustration should be made, either in a golden vessel, or with the water of the sea; the former of these [i. e. gold] being the most beautiful of things, and a measure by which the price of all things is regulated; but the latter as he conceived being the progeny of a moist nature, and the nutriment of the first and more common matter. He likewise said, that it was not proper to bring forth children in a temple; because it is not holy that in a temple the divine part of the soul should be bound to the

body. He further ordained, that on a festive day neither the hair should be cut, nor the nails paired ; not thinking it fit that we should leave the service of the Gods for the purpose of increasing our good. He also said, that a louse ought not to be killed in a temple ; conceiving that a divine power ought not to participate of any thing superfluous and corruptible. But that the Gods should be honored with cedar, laurel, cypress, oak, and myrtle ; and that the body should not be purified with these, nor should any of them be divided by the teeth. He likewise ordained, that what is boiled should not be roasted ; signifying by this that mildness is not in want of anger. But he would not suffer the bodies of the dead to be burned ; following in this the Magi, being unwilling that any thing divine should communicate with a mortal nature. He likewise thought it was holy for the dead to be carried out in white garments ; obscurely signifying by this the simple and first nature, according to number and the principle of all things. But above all things he ordained, that an oath should be taken religiously ; since that which is behind is long.* And he said, that it is much more holy to be injured than to kill a man ; for judgment is deposited in Hades, where the soul and its essence, and the first nature

* i. e. Futurity is long ; Pythagoras signifying by this, that those who do not take an oath religiously, will be punished in some future period, if they are not at present.

of things are [properly] estimated. Farther still, he ordered that sepulchral chests [i. e. biers] should not be made of cypress, because the sceptre of Jupiter was made of this wood, or for some other mystic reason. He likewise ordained that libations should be performed before the table of Jupiter the Saviour, and of Hercules and the Dioscuri; in so doing celebrating Jupiter as the presiding cause and leader of this nutriment; Hercules, as the power of nature; and the Dioscuri, as the symphony of all things. But he said, that libations should not be offered with closed eyes. For he did not think it fit, that any thing beautiful should be undertaken with shame and bashfulness. Moreover, when it thundered, he ordained that the earth should be touched, in remembrance of the generation of things. But he ordered that temples should be entered from places on the right hand, and that they should be departed out of from the left hand. For he asserted that the right hand is the principle of what is called the odd number, and is divine; but that the left hand is a symbol of the even number, and of that which is dissolved. And such is the mode which he is said to have adopted in the cultivation of piety. But other particulars which we have omitted concerning it, may be conjectured from what has been said. So that I shall cease to speak further on this subject.

CHAP. XXIX.

OF his wisdom, however, the commentaries written by the Pythagoreans afford, in short, the greatest indication ; for they adhere to truth in every thing, and are more concise than all other compositions, so that they savour of the ancient elegance of style, and the conclusions are exquisitely deduced with divine science. They are also replete with the most condensed conceptions, and are in other respects various and diversified both in the form and the matter. At one and the same time likewise, they are transcendently excellent, and without any deficiency in the diction, and are in an eminent degree full of clear and indubitable arguments, accompanied with scientific demonstration, and as it is said, the most perfect syllogism ; as he will find to be the case, who, proceeding in such paths as are fit, does not negligently peruse them. This science, therefore, concerning intelligible natures and the Gods, Pythagoras delivers in his writings from a supernal origin. Afterwards, he teaches the whole of physics, and unfolds completely ethical philosophy and logic. He likewise

delivers all-various disciplines, and the most excellent sciences. And in short there is nothing pertaining to human knowledge which is not accurately discussed in these writings. If therefore it is acknowledged, that of the [Pythagoric] writings which are now in circulation, some were written by Pythagoras himself, but others consist of what he was heard to say, and on this account are anonymous, but are referred to Pythagoras as their author;—if this be the case, it is evident that he was abundantly skilled in all wisdom. But it is said that he very much applied himself to geometry among the Egyptians. For with the Egyptians there are many geometrical problems; since it is necessary that from remote periods, and from the time of the Gods themselves,¹ on account of the increments and decrements of the Nile, those that were skilful should have measured all the Egyptian land which they cultivated. Hence also geometry derived its name. Neither did they negligently investigate the theory of the celestial orbs, in which likewise Pythagoras was skilled. Moreover, all the theorems about lines appear to have been derived from thence. For it is said that what pertains to computation and numbers, was discovered in Phœnicia. For some persons refer the theorems about

¹ i. e. From the time in which the Gods are fabulously said to have reigned in Egypt.

the celestial bodies to the Egyptians and Chaldeans in common. It is said therefore, that Pythagoras having received and increased all these [theories,] imparted the sciences, and at the same time demonstrated them to his auditors with perspicuity and elegance. And he was the first indeed that denominated philosophy, and said that it was the desire, and as it were love of wisdom. But he defined wisdom to be the science of the truth which is in beings. And he said that beings are immaterial and eternal natures, and alone possess an efficacious power, such as incorporeal essences. But that the rest of things are only homonymously beings, and are so denominated through the participation of real beings, and such are corporeal and material forms, which are generated and corrupted, and never truly are. And that wisdom is the science of things which are properly beings, but not of such as are homonymously so. For corporeal natures are neither the objects of science nor admit of a stable knowledge, since they are infinite and incomprehensible by science, and are as it were non-beings, when compared with universals, and are incapable of being properly circumscribed by definition. It is impossible however to conceive that there should be science of things which are not naturally the objects of science. Hence it is not probable that there will be a desire of science which has no subsistence, but rather that desire will be

extended to things which are properly beings, which exist with invariable permanency, and are always consubsistent with a true appellation. For it happens that the perception of things which are homonymously beings, and which are never truly what they seem to be, follows the apprehension of real beings ; just as the knowledge of particulars follows the science of universals. For he who knows universals properly, says Archytas, will also have a clear perception of the nature of particulars. Hence things which have an existence are not alone, nor only-begotten, nor simple, but they are seen to be various and multiform. For some of them are intelligible and incorporeal natures, and which are denominated beings ; but others are corporeal and fall under the perception of sense, and by participation communicate with that which has a real existence. Concerning all these therefore, he delivered the most appropriate sciences, and left nothing [pertaining to them] uninvestigated. *He likewise unfolded to men those sciences which are common [to all disciplines,]* as for instance the demonstrative, the definitive, and that which consists in dividing, as may be known from the Pythagoric commentaries. He was also accustomed to pour forth sentences resembling oracles to his familiars in a symbolical manner, and which in the greatest brevity of words contained the most abundant and multifarious meaning, like the Pythian

Apollo through certain oracles, or like nature herself through seeds small in bulk, the former exhibiting conceptions, and the latter effects, innumerable in multitude, and difficult to be understood. Of this kind is the sentence, *The beginning is the half of the whole*, which is an apothegm of Pythagoras himself. But not only in the present hemistich, but in others of a similar nature, the most divine Pythagoras has concealed the sparks of truth ; depositing as in a treasury for those who are capable of being enkindled by them, and with a certain brevity of diction, an extension of theory most ample and difficult to be comprehended, as in the following hemistich :

All things accord in number :

which he very frequently uttered to all his disciples. Or again, *Friendship is equality ; equality is friendship*. Or in the word *cosmos*, i. e. *the world* ; or by Jupiter, in the word *philosophy*, or in the so much celebrated word *tetractys*. All these and many other inventions of the like kind, were devised by Pythagoras for the benefit and amendment of his associates ; and they were considered by those that understood them to be so venerable, and so much the progeny of divine inspiration, that the following was adopted as an oath by those that dwelt together in the common auditory :

I swear by him who the tetractys found,
 And to our race reveal'd ; the cause and root,
 And fount of ever-flowing Nature.

This therefore was the form of his wisdom which is so admirable.

It is also said, that of the sciences which the Pythagoreans honored, music, medicine and divination, were not among the least. But they were habitually silent and prompt to hear, and he who was able to hear [in a proper manner] was praised by them. Of medicine, however, they especially embraced the diætic species, and in the exercise of this were most accurate. And in the first place, indeed, they endeavoured to learn the indications of symmetry, of labor, food, and repose. In the next place, with respect to the preparation of food, they were nearly the first who attempted to employ themselves in it, and to define the mode in which it should be performed. The Pythagoreans likewise employed cataplasms more frequently than their predecessors ; but they in a less degree approved of medicated ointments. These however they principally used in the cure of ulcerations. But incisions and burnings they admitted the least of all things. Some diseases also they cured by incantations. Pythagoras, however, thought that music greatly contributed to health, if it was used in a proper manner. The Pythagoreans likewise employed select sentences of Homer and Hesiod

for the amendment of souls. But they thought it was necessary to retain and preserve in the memory things which they had learnt and heard ; and that it was requisite to be furnished with disciplines and auditions, to as great an extent as there was an ability of learning and remembering ; the former of these being the power by which knowledge is obtained, but the latter, the power by which it is preserved. Hence, they very much honored the memory, abundantly exercised, and paid great attention to it. In learning too, they did not dismiss what they were taught, till they had firmly comprehended the first rudiments of it ; and they recalled to their memory what they had daily heard, after the following manner : A Pythagorean never rose from his bed till he had first recollected the transactions of the former day ; and he accomplished this by endeavouring to remember what he first said, or heard, or ordered his domestics to do when he was rising, or what was the second and third thing which he said, heard, or commanded to be done. And the same method was adopted with respect to the remainder of the day. For again, he endeavoured to recollect who was the first person that he met, on leaving his house, or who was the second ; and with whom he in the first, or second, or third place discoursed. And after the same manner he proceeded in other things. For he endeavoured to resume in his memory all the events

of the whole day, and in the very same order in which each of them happened to take place. But if they had sufficient leisure after rising from sleep, they tried after the same manner to recollect the events of the third preceding day. And thus they endeavoured to exercise the memory to a great extent. For there is not any thing which is of greater importance with respect to science, experience and wisdom, than the ability of remembering. From these studies therefore, it happened that all Italy was filled with philosophers, and this place, which before was unknown, was afterwards on account of Pythagoras called Magna Græcia. Hence also it contained many philosophers, poets, and legislators. For the rhetorical arts, demonstrative reasonings, and the laws written by them, were transferred from Italy to Greece. Those likewise who make mention of physics, adduce as the principal physiologists Empedocles and the Elean Parmenides. Those too, who wish to cite sentences, pertaining to the conduct of human life, adduce for this purpose the conceptions of Epicharmus. And nearly all philosophers make use of these. Thus much therefore concerning the wisdom of Pythagoras, how in a certain respect he very much impelled all his auditors to the pursuit of it, as far as they were adapted to its participation, and how perfectly it was delivered by him.

CHAP. XXX.

WITH respect to justice, however, we shall learn in the best manner, how he cultivated and delivered it to mankind, if we survey it from its first principle, and from what first causes it germinates, and also direct our attention to the first cause of injustice. For thus we shall discover how he avoided the latter, and what methods he adopted in order that the former might be properly ingenerated in the soul. The principle of justice therefore, is the common and the equal, through which, in a way most nearly approximating to one body and one soul, all men may be co-passive, and may call the same thing mine and thine; as is also testified by Plato, who learnt this from the Pythagoreans. This therefore, Pythagoras effected in the best manner, exterminating every thing private in manners, but increasing that which is common as far as to ultimate possessions, which are the causes of sedition and tumult. For all things [with his disciples] were common and the same to all, and no one possessed any thing private. And he indeed, who approved of this communion, used common

possessions in the most just manner ; but he who did not, received his own property, which he brought to the common stock, with an addition to it, and departed. And thus he established justice in the best manner, from the first principle of it.

In the next place, therefore, association with men introduces justice ; but alienation, and a contempt of the common genus, produce injustice. Wishing therefore to insert this familiarity from afar in men, he also ordained that his disciples should extend it to animals of the same genus, and commanded them to consider these as their familiars and friends ; so as neither to injure, nor slay, nor eat any one of them. He therefore who associates men with animals, because they consist of the same elements as we do, and participate with us of a more common life, will in a much greater degree establish fellowship with those who partake of a soul of the same species, and also of a rational soul. From this also it is evident that he introduced justice produced from the most proper principle. Since likewise the want of riches, sometimes compels many to do something contrary to justice, he well foresaw that this would be the case, and through economy procured for himself liberal expenses, and what was just in sufficient abundance. For again, a just arrangement of domestic concerns is the principle of all good order in cities. For cities are constituted from houses. It is said therefore, that Pythagoras

himself was the heir of the property of Alcæus, who died after performing an embassy to the Lacedæmonians, but that notwithstanding this, he was no less admired for his economy than for his philosophy. When also he was married, he so educated the daughter that was born to him, and who was afterwards married to Meno the Crotonian, that when she was a virgin she was the leader of choirs, but when a wife she held the first place among those that approached to altars. It is likewise said, that the Metapontines preserving the remembrance of Pythagoras after his time, made his house a temple of Ceres, but the street in which he lived a museum.

Because also insolence, luxury, and a contempt of the laws, frequently impel men to injustice, on this account he daily exhorted his disciples to give assistance to law, and to be hostile to illegality. Hence he made such a division as the following: that what is called luxury, is the first evil that usually glides into houses and cities; that the second is insolence; and the third destruction. That hence luxury should by all possible means be excluded and expelled [from every house and city,] and that men should be accustomed from their birth to a temperate and manly life. He farther added, that it is requisite to be purified from all malediction, whether it be that which is lamentable, or that which excites hostility, and whether

it be of a reviling, or insolent, or scurrilous nature.

Besides these, likewise, he established another most beautiful species of justice, viz. the legislative; which orders indeed what ought to be done; but forbids what ought not to be done. This species, however, is more excellent than the judicial form of justice. For it resembles medicine which heals those that are diseased. It differs from it however in this, that it does not suffer disease to commence, but pays attention from afar to the health of the soul. This therefore being the case, the best of all legislators came from the school of Pythagoras: in the first place, indeed, Charondas the Catanæan; and in the next place, Zaleucus and Timaratus, who wrote laws for the Locrians. Besides these likewise there were Theætetus and Helicaon, Aristocrates, and Phytius, who became the legislators of the Rhegini. All these likewise obtained from their citizens honors similar to those of the Gods. For Pythagoras did not act like Heraclitus, who said that he would write laws for the Ephesians, and also petulantly¹ said, that in those laws he would order the citizens to

¹ I wonder that the learned Obrechtus should translate *ἡβηδον*, *cum omni juventute sua*. Had his translation, which is on the whole very excellent, been reviewed by English or Scotch critics, they would have immediately said from this circumstance, that he did not understand Greek.

hang themselves. But Pythagoras endeavoured to establish laws, with great benevolence and political science. Why however is it requisite to admire these men? For Zamolxis being a Thracian, and the slave of Pythagoras, after he had heard the discourses of Pythagoras, having obtained his liberty, and returned to the Getæ, gave laws to them, as we have before observed in the beginning of this work, and exhorted the citizens to fortitude, *having persuaded them that the soul is immortal. Hence even at present, all the Galatæ, and Tralians, and many others of the Barbarians, persuade their children that the soul cannot be destroyed; but that it remains after death, and that death is not to be feared, but danger is to be encountered with a firm and manly mind.* Having therefore instructed the Getæ in these things, and written laws for them, he was considered by them as the greatest of the Gods.

Farther still, he apprehended that the dominion of the Gods was most efficacious to the establishment of justice, and supernally from this he constituted a polity and laws, and also justice. It will not however be foreign to the purpose, to add particularly the manner in which he thought we ought to conceive of divinity; viz. that we should conceive that he exists, and that he is so disposed towards the human race, that he inspects and does not neglect it. And this conception which the Py-

thagoreans derived from Pythagoras, they apprehended to be of great utility. For we require an inspection of this kind, which we do not in any thing think fit to resist. But such as this is the inspective government of divinity. For if a divine nature is a thing of this kind, it deserves to have the empire of the universe. For it was rightly said by the Pythagoreans, that man is an animal [so far as pertains to his irrational part,] naturally insolent, and various, according to impulses, desires, and the rest of the passions. He requires therefore a transcendent inspection and government of this kind, from which a certain castigation and order may be derived. Hence they thought that every one being conscious of the variety of his nature, should never be forgetful of piety towards, and the worship of divinity ; but should always place him before the eye of the mind, as inspecting and diligently observing the conduct of mankind. But after divinity and the dæmoniacal nature, they thought that every one should pay the greatest attention to his parents and the laws, and should be obedient to them, not feignedly, but faithfully. And universally, they thought it necessary to believe, that nothing is a greater evil than anarchy ; since the human race is not naturally adapted to be saved, when no one rules over it.

These men also thought it right to adhere to the customs and legal institutes of their ancestors, even

though they should be somewhat inferior to other customs and laws. For to fly from the existing laws, and to be studious of innovation, is by no means profitable and salutary. Pythagoras therefore gave many other specimens of piety to the Gods, evincing that his life was conformable to his doctrines. Nor will it be foreign to the purpose to mention one of them, which may serve to elucidate the rest. But I will relate what Pythagoras said and did relative to the embassy from Sybaris to Crotona, about demanding the return of the exiles. For some of his associates were slain by order of the ambassadors, one of whom slew a part of them with his own hands ; but another was the son of one of those who had excited the sedition, and who died through disease. When the Crotonians therefore were deliberating how they should act in this affair, Pythagoras said to his disciples, that he was not willing the Crotonians should be so greatly discordant in this affair, and that in his opinion, the ambassadors should not even lead victims to the altars, much less ought they to drag suppliants [i. e. the exiles] from them. But when the Sybarites came to him with their complaints, and the man who had slain some of his associates with his own hands, was defending his conduct, Pythagoras said, that he should not answer [an homicide]. Hence, some persons accused him of asserting that he was Apollo, because prior to this

some one having asked him about a certain object of inquiry, why the thing was so; he in his turn asked the interrogator, if he would think fit to inquire of Apollo when he was delivering oracles to him, why he delivered them? But to another of the ambassadors who appeared to him to deride his school, in which he taught the return of souls to the supernal realms, and who said that he would give him an epistle to his father, as he was about to descend into Hades, and exhorted him to bring another letter in answer, from his father, when he returned; Pythagoras replied, that he was not about to descend into the abode of the impious, where he clearly knew that murderers were punished. But the ambassadors reviling him, he proceeded to the sea, many persons following him, and there sprinkled himself with marine water. Some one however of the Crotonian counsellors, after reviling the rest of the ambassadors, observed that he understood they had defamed Pythagoras, whom not even a brute would dare to blaspheme, though all animals should again utter the same voice as men, which fables report they did in the beginning of things.

Pythagoras likewise discovered another method of restraining men from injustice, through the judgment of souls, truly knowing indeed that this method may be taught, and also knowing that it is useful to the suppression of justice through fear.

Iam.

I

He asserted therefore, that it is much better to be injured than to kill a man ; for that judgment is deposited in Hades, where the soul, and its essence, and the first nature of beings, are properly estimated. Being desirous, however, to exhibit in things unequal, without symmetry and infinite, a definite, equal, and commensurate justice, and to show how it ought to be exercised, he said, that justice resembles that figure, which is the only one among geometrical diagrams, that having indeed infinite compositions of figures, but dissimilarly disposed with reference to each other, yet has equal demonstrations of power.¹ Since also there is a certain justice in making use of another person, such a mode of it as the following, is said to have been delivered by the Pythagoreans : Of associations with others, one kind is seasonable, but another is unseasonable. These likewise are distinguished from each other by difference of age, desert, the familiarity of alliance, and of beneficence, and

¹ Iamblichus here alludes to a right-angled triangle, and the Pythagoric theorem of 47. 1 of Euclid. For the square described on the longest side is equal to the two squares described on the two other sides. The longest side therefore is said by geometers to be equal in power to the powers of the other sides. This however Kiessling not understanding, says, "that power is the space contained between the concurring lines of figures, and is the area of the triangle." "*Δυναμὶς* idem est, quod *ἐμβάδον*, spatium, quod intra concurrentes lineas figurarum continetur, area trigoni." But Kiessling, though a good verbalist, is a bad geometrician, and no philosopher.

whatever else there may be of the like kind in the different associations of men with each other. For there is a species of association, viz. of a younger with a younger person, which does not appear to be unseasonable; but that of a younger with an elderly person is unseasonable. For no species of anger, or threatening, or boldness, is becoming in a younger towards an elderly man, but all unseasonable conduct of this kind should be cautiously avoided. A similar reasoning likewise should be adopted with respect to desert. For it is neither decorous, nor seasonable, to use an unrestrained freedom of speech, or to adopt any of the above-mentioned modes of conduct, towards a man who has arrived at the true dignity of consummate virtue. Conformably to this also, was what he said respecting the association with parents, and likewise with benefactors. He added, that there is a certain various and multiform use of an opportune time. For of those that are enraged and angry, some are so seasonably, but others unseasonably. And again, of those that aspire after, desire, and are impelled to any thing appetible, an opportune time is the attendant on some, and an unseasonable time on others. And the same thing may be said concerning other passions and actions, dispositions, associations, and meetings. He farther observed, that an opportune time is *to a certain extent* to be taught, and also, that what hap-

pens contrary to expectation, is capable of receiving an artificial discussion ; but that when it is considered universally and simply, none of the above-mentioned particulars pertain to it. Nearly, however, such things are the attendants on it, as follow the nature of opportune time, viz. what is called the florid, the becoming, the adapted, and whatever else there may be homogeneous to these. He likewise asserted, that principle [or the beginning] is in the universe unity, and is the most honorable of things ; and that in a similar manner it is so in science, in experience, and in generation. And again, that the number two is most honorable in a house, in a city, in a camp, and in all such like systems. But that the nature of principle is difficult to be surveyed and apprehended in all the above-mentioned particulars. For in sciences, it is not the province of any casual understanding to learn and judge, by well surveying the parts of things, what the nature is of the principle of these. He added, that it makes a great difference, and that there is danger with respect to the knowledge of the whole of things, when principle is not rightly assumed. For none, in short, of the consequent conclusions can be sane, when the true principle is unknown. The same thing may also be said respecting a principle of another kind. For neither can a house, or a city, be well instituted, unless each has a true ruler, who governs those that

voluntarily submit to him. For it is necessary that in both these the governor should be willing to rule, and the governed to obey. Just as with respect to disciplines, when they are taught with proper effect, it is necessary that there should be a concurrence in the will both of the teacher and learner. For if there is a resistance on the part of either, the proposed work will never be accomplished in a proper manner. Thus therefore, he proved, that it was beautiful to be persuaded by rulers, and to be obedient to preceptors. But he exhibited the following as the greatest argument through deeds, of the truth of his observations. He went from Italy to Delos, to Pherecydes the Syrian, who had been his preceptor, in order that he might afford him some assistance, as he was then afflicted with what is called the morbus pedicularis, and he carefully attended him to the time of his death, and piously performed whatever rites were due to his dead preceptor. So diligent was he in the discharge of his duties to him from whom he had received instruction.

Moreover, with respect to compacts and the veracity pertaining to them, Pythagoras so prepared his disciples for the observance of them, that, as it is said, Lysis having once performed his adorations in the temple of Juno, met, as he was departing from it, about the vestibules with Euryphamus the Syracusan, who was one of his fellow disciples, and

was then entering into the temple. Euryphamus therefore desiring Lysis to wait for him, till he also had adored the Goddess, Lysis sat down on a stone seat which was placed there. Euryphamus however having finished his adoration, and becoming absorbed in certain profound conceptions, forgot his appointment, and went out of the temple through another gate. But Lysis waited for him without quitting his seat, the remainder of that day and the following night, and also the greater part of the next day. And perhaps he would have staid there for a still longer time, unless Euryphamus on the following day, had heard in the auditory, that Lysis was wanted by his associates. Recollecting therefore his compact, he came to Lysis, and liberated him from his engagement, at the same time telling him the cause of his forgetfulness, and added, "Some God produced in me this oblivion, as a trial of your firmness in preserving your compacts." Pythagoras likewise ordained abstinence from animal food, for many other reasons, and likewise because it is productive of peace. For those who are accustomed to abominate the slaughter of animals as iniquitous and preternatural, will think it to be much more unlawful to kill a man, or engage in war. But war is the leader and legislator of slaughter. For by this it is increased, and becomes strong and powerful. Not to step also above the beam of the balance, is an exhortation to

justice, announcing, that whatever is just should be cultivated, as will be shown when we discuss the Pythagoric symbols. It appears therefore, through all these particulars, that Pythagoras paid great attention to the exercise of justice, and to the delivery of it to mankind, both in deeds and in words.

CHAP. XXXI.

IT follows, in the next place, that we should speak of temperance, and show how it was cultivated by Pythagoras, and how he delivered it to his associates. We have already therefore narrated the common precepts concerning it, in which it is said that every thing incommensurate should be cut off with fire and sword. The abstinence also from animal food, is a precept of the same species ; and likewise from certain foods calculated to produce intemperance, and impeding the vigilance and genuine energies of the reasoning power. Farther still, to this species the precept belongs, that sumptuous food should indeed be introduced in banquets, but should [shortly after] be sent away, and given to the servants, being placed on the table

merely for the sake of punishing the desires. Likewise, that no liberal and ingenuous woman should wear gold, but only harlots. And again, the exercise of taciturnity, and perfect silence, for the purpose of governing the tongue. Likewise a strenuous and assiduous resumption and investigation of the most difficult theorems. But on account of all these, we must refer to the same virtue [i. e. to temperance,] abstinence from wine ; paucity of food and sleep ; an inartificial contempt of renown, wealth, and the like ; a sincere reverence towards those to whom reverence is due, but an unfeigned similitude of behaviour and benevolence towards those of the same age ; an animadversion and exhortation of those that are younger, without envy ; and every thing else of the like kind.

The temperance also of those men, and how Pythagoras taught this virtue, may be learnt from what Hippobotus and Neanthes narrate of Myllias and Timycha who were Pythagoreans. For they say that Dionysius the tyrant could not obtain the friendship of any one of the Pythagoreans, though he did every thing to accomplish his purpose ; for they had observed, and carefully avoided his monarchical disposition. He sent therefore to the Pythagoreans, a troop of thirty soldiers, under the command of Eurymenes the Syracusan, who was the brother of Dion, in order that by treachery their accustomed migration from Tarentum to Me-

tapontum, might be opportunely effected for his purpose. For it was usual with them to change their abode at different seasons of the year, and they chose such places as were adapted to this migration. In Phalæ therefore, a craggy part of Tarentum, through which the Pythagoreans must necessarily pass in their journey, Eurymenes insidiously concealed his troop, and when the Pythagoreans, expecting no such thing, came to that place about the middle of the day, the soldiers rushed upon them with shouts, after the manner of robbers. But the Pythagoreans being disturbed and terrified at an attack so unexpected, and at the superior number of their enemies (for the whole number of the Pythagoreans was but ten), and considering also that they must be taken captive, as they were without arms, and had to contend with men who were variously armed,—they found that their only safety was in flight, and they did not conceive that this was foreign to virtue. For they knew that fortitude, according to the decision of right reason, is the science of things which are to be avoided and endured. And this they now obtained. For those who were with Eurymenes, being heavy-armed, would have abandoned the pursuit of the Pythagoreans, if the latter in their flight had not arrived at a certain field sown with beans, and which were in a sufficiently flourishing condition. Not being willing therefore to violate the dogma which ordered

them not to touch beans, they stood still, and from necessity attacked their pursuers with stones and sticks, and whatever else they happened to meet with, till they had slain some, and wounded many of them. All the Pythagoreans however, were at length slain by the spearmen, nor would any one of them suffer himself to be taken captive, but preferred death to this, conformably to the mandates of their sect.

Eurymenes therefore, and his soldiers, were beyond measure disturbed on finding that they should not be able to bring one of the Pythagoreans alive to Dionysius, though they were sent by him for this purpose alone. Hence, having piled earth on the slain, and buried them in that place in a common sepulchre, they turned their steps homeward. As they were returning, however, they happened to meet with Myllias the Crotonian, and his wife Timycha the Lacedemonian, whom the other Pythagoreans had left behind, because Timycha being pregnant, was now in her sixth¹ month, and on this account walked leisurely. These therefore, the soldiers gladly made captive, and led them to the tyrant, paying every attention to them, in order that

¹ In the original *δεκατον* *the tenth month*; but as it very seldom happens that a woman is in a state of pregnancy more than nine months, it appears to me that for *δεκατον* we should read *εκτον* *the sixth month*, as in the above translation.

they might be brought to him safe. But the tyrant having learnt what had happened, was greatly dejected, and said to the two Pythagoreans, You shall obtain from me honors transcending all others in dignity, if you will consent to reign in conjunction with me. All his offers however being rejected by Myllias and Timycha ; If then, said he, you will only teach me one thing, I will dismiss you with a sufficiently safe guard. Myllias therefore asking him what it was he wished to learn ; Dionysius replied, It is this, why your companions chose rather to die, than to tread on beans ? But Myllias immediately answered, My companions indeed submitted to death, in order that they might not tread upon beans, but I would rather tread on them, than tell you the cause of this. Dionysius therefore, being astonished at this answer, ordered him to be forcibly taken away, but commanded Timycha to be tortured : for he thought, that as she was a woman, pregnant, and deprived of her husband, she would easily tell him what he wanted to know, through fear of the torments. The heroic woman, however, grinding her tongue with her teeth, bit it off, and spit it at the tyrant ; evincing by this, that though her sex being vanquished by the torments might be compelled to disclose something which ought to be concealed in silence, yet the member subservient to the developement of it, should be entirely cut off. So much difficulty did they make

in admitting foreign friendships, even though they should happen to be royal.

Similar to these also, were the precepts concerning silence, and which tended to the exercise of temperance. For the subjugation of the tongue, is of all other continence the most difficult. The persuading likewise the Crotonians to abstain from the profane and spurious association with harlots, pertains to the same virtue. And besides this, the correction through music, by means of which Pythagoras restored a young man to temperance, who had become furious through love. The exhortation also, which leads from lascivious insolence, must be referred to the same virtue. And these things Pythagoras delivered to the Pythagoreans, he himself being the cause of them. For they so attended to their bodies, that they might always remain in the same condition, and not at one time be lean, but at another, abounding in flesh. For they considered this to be an indication of an anomalous life. In a similar manner also with respect to the mind, they were careful that they might not be at one time cheerful, and at another sad, but that they might be mildly joyful with uniformity. But they expelled rage, despondency, and perturbation. *And it was a precept with them, that no human casualties ought to be unexpected by those who are endued with intellect, but that they should expect every thing may happen which it is not in their*

power to prevent. But if at any time they were in a rage, or oppressed with sorrow, or any thing else of this kind, they separated themselves from the rest of their associates, and each by himself alone, endeavoured to digest and heal the passion.

This also is said of the Pythagoreans, that no one of them when angry, either punished a servant, or admonished any free man, but each of them waited till his mind was restored to its former [tranquil] condition. But they called *to admonish*, *pæ-dartan*. For they accomplished this waiting by employing silence and quiet. Hence Spintharus relates of Archytas the Tarentine, that returning after a certain time from the war which the city of Tarentum waged against the Messenians, to inspect some land which belonged to him, and finding that the bailiff and the other servants, had not paid proper attention to the cultivation of it, but had greatly neglected it, being enraged, he was so indignant, that he told his servants it was well for them he was angry; since, if this had not happened, they would not have escaped the punishment due to so great an offence. Spintharus likewise says that a similar thing is related of Clinias. For he also deferred all admonitions and punishments, till his mind was restored to tranquillity.

It is farther related of the Pythagoreans, that they expelled from themselves lamentation, weeping, and every thing else of this kind; and that

neither gain, nor desire, nor anger, nor ambition, nor any thing of a similar nature, became the cause of dissension among them; but that all the Pythagoreans were so disposed towards each other, as a worthy father is towards his offspring. This also is a beautiful circumstance, that they referred every thing to Pythagoras, and called it by his name; and that they did not ascribe to themselves the glory of their own inventions, except very rarely. For there are very few whose works are acknowledged to be their own. The accuracy too, with which they preserved their writings is admirable. For in so many ages, no one appears to have met with any of the commentaries of the Pythagoreans, prior to the time of Philolaus. But he first published those three celebrated books, which Dion the Syracusan is said to have bought, at the request of Plato, for a hundred mina. For Philolaus had fallen into a certain great and severe poverty; and from his alliance to the Pythagoreans, was a partaker of their writings.

With respect also to opinion,¹ it is related that they spoke of it as follows: That it is the province of a stupid man to pay attention to the opinion of every one, and especially to that of the multitude.

¹ Obrechtus by translating *περι δε δοξης* in this place, "De fama et gloria," has evidently mistaken the meaning of Iamblichus.

For it belongs to a few only to apprehend and opine rightly ; since it is evident that this pertains to the intelligent alone. But they are few. It is manifest therefore, that a power of this kind does not extend itself to the multitude. But it is also stupid to despise the opinion of every one. For it will happen that he who is so disposed will be unlearned and incorrigible. It is however necessary that he who is destitute of science should learn those things of which he is ignorant, and has no scientific knowledge. And it is likewise necessary that the learner should pay attention to the opinion of him who possesses science, and is able to teach. And universally, it is necessary that those young men who wish to be saved, should attend to the opinion of their elders, and of those who have lived well. But in the whole of human life there are certain ages (denominated by them as it is said *endedasmenæ*) which it is not in the power of any casual person to connect with each other. For they are expelled by each other, unless some one conducts a man from his birth, in a beautiful and upright manner. It is necessary therefore, when a child is educated well, and is formed to temperance and fortitude, that a great part of his education should be given to the age of adolescence [which is that of a lad]. In a similar manner also, when a lad is formed to temperance and fortitude, it is necessary that a great part of his education should be trans-

ferred to the age of manhood. For that which happens to the multitude is absurd and ridiculous. For they fancy it is requisite that boys should be orderly and temperate, and should abstain from every thing which appears to be troublesome and indecorous; but that when they have arrived at adolescence, they may for the most part do whatever they please. Hence there is nearly a conflux of both kinds of errors into this age. For lads commit many faults which are both puerile and virile. For, in short, to avoid every kind of sedulity and order, and to pursue every species of sport, and puerile intemperance and insolence, are most adapted to the age of a boy. Such a disposition therefore as this, is derived from the puerile into the following age. But the genus of strong desires, and of different species of ambition, and in a similar manner the remaining impulses and dispositions, when they are of a severe and turbulent nature, are derived from the virile age into that of adolescence. Hence this of all the ages demands the greatest attention. And universally, no man ought to be suffered to do whatever he pleases, but it is always necessary that there should be a certain inspection, and a legal and elegantly-formed government, to which each of the citizens is obedient. For the animal, when left to itself and neglected, rapidly degenerates into vice and depravity.

It is likewise said, that the Pythagoreans fre-

quently inquired and doubted why we accustom boys to take their food in an orderly and commensurate manner, and show them that order and symmetry are beautiful; but that the contraries to these, disorder and incommensuration, are base; and that he who is given to wine and is insatiable, is held in great disgrace. For if no one of these is useful to us when we have arrived at the age of virility, it was in vain that we were accustomed, when boys, to an order of this kind. And there is also the same reason concerning the other manners [to which we are accustomed when boys]. This, therefore, is not seen to happen in other animals which are disciplined by men; but immediately from the first, a whelp and a colt are accustomed to, and learn those things which it is requisite for them to do when they have arrived at the perfection of their nature. And universally, it is said that the Pythagoreans exhorted both those they happened to meet, and their familiars, to avoid pleasure as a thing that required the greatest caution. For nothing so much deceives us, or precipitates us into error, as this passion. In short, as it seems, they contended that we should never do any thing with a view to pleasure as the end. For this scope is, for the most part, indecorous and noxious. *But they asserted, that especially looking to the beautiful and decorous, we should do whatever*
I am.

*is to be done.*¹ And that in the second place we should look to the advantageous and the useful. These things, however, require no casual judgment.

With respect to what is called desire, these men are said to have asserted as follows: That *desire indeed, itself, is a certain tendency, impulse, and appetite of the soul, in order to be filled with something, or to enjoy something present, or to be disposed according to some sensitive energy*; but that there is also a desire of the contraries to these, and this is a desire of the evacuation and absence, and of having no sensible perception of certain things. That this passion likewise is various, and is nearly the most multifarious of all those that pertain to man. But that many human desires are adscitious, and procured by men themselves. Hence

¹ The wise and magnanimous Pythagoreans, Platonists, Peripatetics and Stoics, among the ancients, looked to virtue as its own reward, and performed what is right, because it is right to do so. And though they firmly believed in the immortality of the soul, their conduct was not at all influenced by the hope of future reward. This great truth indeed, that virtue brings with it its own recompense, is almost at present obsolete; and it is no unusual thing to hear a man, when afflicted, exclaiming with Methodistical cant,

“The many troubles that I meet,
In getting to a Mercy-seat!”

this passion requires the greatest attention, and no casual care and corporeal exercise. For that the body when empty should desire food, is natural : and again, it is also natural, that when filled, it should desire an appropriate evacuation. But to desire superfluous nutriment, or superfluous and luxurious garments or coverlids, or habitations, is adscititious. They also reasoned in the same manner concerning furniture, vessels, servants, and cattle subservient to food. And universally, with respect to human passions, they are nearly things of such a kind, as to be nowhere permanent, but to proceed to infinity. Hence attention should be paid to youth from the earliest period, in order that they may aspire after such things as are proper, may avoid vain and superfluous desires, and thus be undisturbed by, and purified from, such-like appetites, and may despise those who are objects of contempt, because they are bound to [all-various] desires. But it must be especially observed, that vain, noxious, superfluous, and insolent desires subsist with those who have the greatest power. For there is not any thing so absurd, which the soul of such boys, men, and women, does not incite them to perform. In short, the variety of food which is assumed, is most manifold. For there are an infinite number of fruits, and an infinite multitude of roots, which the human race uses for food. It likewise uses all-various kinds of flesh ;

and it is difficult to find any terrestrial, aerial, or aquatic animal, which it does not taste. It also employs all-various contrivances in the preparation of these, and manifold mixtures of juices. Hence it properly follows that the human tribe is insane and multiform, according to the motion of the soul. For each kind of food that is introduced into the body, becomes the cause of a certain peculiar disposition.

We however perceive that some things become immediately the cause of a great change in quality, as is evident in wine. For when it is drank abundantly, it makes men at first more cheerful, but afterwards more insane and indecorous. But men are ignorant of those things which do not exhibit a power of this kind ; though every thing that is eaten is the cause of a certain peculiar disposition. Hence it requires great wisdom, to be able to know and perceive, what kind and what quantity of food ought to be used. This science, however, was at first unfolded by Apollo and Pæon ; but afterwards by Esculapius and his followers.

With respect to generation also, the Pythagoreans are said to have made the following observations. In the first place, they thought it necessary to guard against what is called untimely [offspring]. For neither untimely plants, nor animals, are good ; but prior to their bearing fruit, it is necessary that a certain time should intervene, in order that seeds

and fruit may be produced from strong and perfect bodies. It is requisite, therefore, that boys and virgins should be accustomed to labors and exercises, and appropriate endurance, and that food should be given to them adapted to a life of labor, temperance, and endurance. But there are many things of this kind in human life, which it is better to learn at a late period, and among these is the use of venery. It is necessary, therefore, that a boy should be so educated, as not to seek after such a connexion as this, within the twentieth year of his age. But when he arrives at this age, he should use venery rarely. This however will be the case, if he thinks that a good habit of body is an honorable and beautiful thing. For intemperance and a good habit of body, are not very much adapted to subsist together in the same person. It is also said, that those laws were praised by the Pythagoreans, which existed prior to their time in Grecian cities, and which prohibited the having connexion with a woman who is a mother, or a daughter, or a sister, either in a temple, or in a public place. For it is beautiful and advantageous that there should be numerous impediments to this energy. These men also apprehended, as it seems, that preternatural generations, and those which are effected in conjunction with wanton insolence, should be entirely prevented from taking place; but that those should be suffered to remain, which are

according to nature, and subsist with temperance, and which take place in the chaste and légal procreation of children.

They likewise were of opinion that great providential attention should be paid by those who beget children, to the future progeny. The first, therefore, and the greatest care which should be taken by him who applies himself to the procreation of children is, that he lives temperately and healthfully, that he neither fills himself with food unseasonably, nor uses such aliments as may render the habits of the body worse than they were, and above all things, that he avoids intoxication. For they thought that depraved seed was produced from a bad, discordant, and turbid temperament. And universally they were of opinion, that none but an indolent and inconsiderate person would attempt to produce an animal, and lead it into existence, without providing with all possible diligence that its ingress into being and life might be most elegant and pleasing. For those that are lovers of dogs, pay every possible attention to the generation of whelps, in order that they may be produced from such things as are proper, and when it is proper, and in such a way as is proper, and thus may become a good offspring. The same attention also is paid by those who are lovers of birds. And it is evident that others also who are studious about the procreation of generous animals, endeavour by all

possible means, that the generation of them may not be in vain. It would be absurd therefore that men should pay no attention to their own offspring, but should both beget them casually and with perfect carelessness, and, after they are begotten, nourish and educate them with extreme negligence. For this is the most powerful and most manifest cause of the vice and depravity of the greater part of mankind. For with the multitude the procreation of children is undertaken in a beastly and rash manner. And such were the assertions, and such the doctrine of these men, which they verified both in words and deeds, respecting temperance ; these precepts having been originally received by them from Pythagoras himself, like certain oracles delivered by the Pythian Apollo.

CHAP. XXXII.

WITH respect to fortitude, however, many of the particulars which have been already related, appropriately pertain to it ; such as the admirable deeds of Timycha, and of those Pythagoreans who chose to die rather than transgress the decisions of Pythagoras concerning beans, and other things conform-

able to such-like pursuits. Such also are the deeds which Pythagoras himself generously accomplished, when he travelled everywhere alone, and underwent immense labors and dangers, choosing to leave his country, and dwell among strangers. Likewise, when he dissolved tyrannies, gave an orderly arrangement to confused polities, and emancipated cities. When also he caused illegality to cease, and impeded the operations of insolent and tyrannical men; exhibiting himself a benignant leader to the just and mild, but expelling savage and licentious men from his association, and refusing even to give them an answer; gladly, indeed, giving assistance to the former, but with all his might resisting the latter. Many instances therefore of these things might be adduced, and of upright actions frequently performed by him. But the greatest of all these, is what he said and did to Phalaris, with an invincible freedom of speech. For when he was detained in captivity by Phalaris, the most cruel of tyrants, a wise man of the Hyperborean race, whose name was Abaris, was his associate, who came to him for the sake of conversing with him, and asked him many questions, and especially such as were of a sacred nature, respecting statues and the most holy worship, the providence of the Gods, celestial and terrestrial natures, and many other things of a similar kind. But Pythagoras, being under the influence of divine

inspiration, answered Abaris vehemently, and with all truth and persuasion, so as to convince those that heard him. Then, however, Phalaris was inflamed with anger against Abaris, because he praised Pythagoras, and was ferociously disposed towards Pythagoras himself. He also dared to utter blasphemies against the Gods themselves, and such as he was accustomed to pour forth. But Abaris gave Pythagoras thanks for what he said ; and after this, learnt from him that *all things are suspended from and governed by the heavens ; which he evinced to be the case from many other things, and also from the energy of sacred rites.* And Abaris was so far from thinking that Pythagoras, who taught these things, was an enchanter, that he beyond measure admired him as if he had been a God. To these things, however, Phalaris replied by endeavouring to subvert divination, and openly denying the efficacy of the things which are performed in sacred rites. But Abaris transferred the discourse from these particulars to such as are clearly apparent to all men ; and endeavoured to persuade him that there is a divine providence, from those circumstances which transcend all human hope and power, whether they are immense wars, or incurable diseases, or the corruption of fruits, or the incursions of pestilence, or certain other things of the like kind, which are most difficult to be borne, and deplorable, arising from the benefi-

cent energies of certain dæmoniacal and divine powers.¹

Phalaris, however, shamelessly and audaciously opposed what was said. Again therefore Pythagoras, suspecting that Phalaris intended to put him to death, but at the same time knowing that he was not destined to die by Phalaris, began to address him with great freedom of speech. For looking to Abaris he said, that a transition was naturally adapted to take place from the heavens to aerial and terrestrial beings. And again, he showed that all things follow the heavens, from instances most known to all men. He likewise indubitably demonstrated, that the [deliberative] power of the soul possesses freedom of will. And proceeding still farther, he amply discussed the perfect energy of reason and intellect. Afterwards also, with his [usual] freedom of speech, he spoke concerning tyranny, and all the prerogatives of fortune, and concerning injustice and human avarice, and solidly taught him that all these are of no worth. In the next place, he gave him a divine admonition concerning the most excellent life, and earnestly entered on a comparison of it with the most depraved

¹ These energies are called beneficent, because they are of a purifying character. Hence Plato in the *Timæus* says, that a deluge is the consequence of the Gods *purifying* the earth by water.

life. He likewise most clearly unfolded to him, how the soul, and its powers and passions, subsist ; *and, what is the most beautiful thing of all, demonstrated to him that the Gods are not the causes of evils, and that diseases, and such things as are the calamities of the body, are the seeds of intemperance* ; reprehending at the same time mythologists and poets for what they have badly said in fables [on this subject]. Confuting Phalaris also, he admonished him, and exhibited to him through works what the power of heaven is, and the magnitude of that power ; and proved to him by many arguments, that legal punishment is reasonably established. He likewise clearly showed him what the difference is between men and other animals ; and scientifically discussed internal and external speech. He also perfectly demonstrated the nature of intellect, and of the knowledge which descends from it ; together with many other ethical dogmas consequent to these things.

Farther still, he instructed him in what is most beneficial among the things that are useful in life ; and in the mildest manner adapted admonitions harmonising with these ; adding at the same time prohibitions of what ought not to be done. And that which is the greatest of all, he unfolded to him the distinction between the productions of fate, and those of intellect, and also the difference between what is done by destiny, and what is done by fate.

He likewise wisely discussed many things concerning dæmons, and the immortality of the soul. These things however pertain to another treatise. But those particulars are more appropriate to our present purpose which belong to the cultivation of fortitude. For if, when situated in the midst of dreadful circumstances, Pythagoras appears to have philosophised with firmness of decision, if on all sides he resisted and repelled fortune, and strenuously endured its attacks, and if he employed the greatest freedom of speech towards him who brought his life into danger, it is evident that he perfectly despised those things which are thought to be dreadful, and that he considered them as undeserving of notice. If also, when he expected according to appearances to be put to death, he entirely despised this, and was not moved by the expectation of it, it is evident that he was perfectly free from the dread of death.¹

He performed however what is still more generous than this, by effecting the dissolution of ty-

¹ Iamblichus a little before informs us, that Pythagoras suspected that Phalaris intended to put him to death, but at the same time knew that he was not destined to die by Phalaris. This being the case therefore, Pythagoras has no claim to fortitude in this instance, in being free from the fear of death. But he has great claim to it, when it is considered that he was in the power of a tyrant who might have caused him to suffer tortures worse than death.

ranny, restraining the tyrant when he was about to bring the most deplorable calamities on mankind, and liberating Sicily from the most cruel and imperious power. But that it was Pythagoras who accomplished this, is evident from the oracles of Apollo, in which it is predicted that the domination of Phalaris would then be dissolved, when those that were governed by him should become better men, and be more concordant with each other; such as they then became, when Pythagoras was present with them, through the doctrines and instruction which he imparted to them. A greater proof however of the truth of this, is derived from the time in which it happened. For on the very same day in which Phalaris put Pythagoras and Abaris in danger of death, he himself was slain by stratagem. That also which happened to Epimenides may be an argument of the truth of these things. For as he, who was the disciple of Pythagoras, when certain persons intended to destroy him, invoked the Furies, and the avenging Gods, and by so doing caused all those that attempted his life, to destroy each other;—thus also Pythagoras, who gave assistance to mankind, after the manner and with the fortitude of Hercules, for the benefit of men, punished and occasioned the death of him who had acted in an insolent and disorderly manner towards others; and this through the oracles themselves of Apollo, to the series of which divinity

both he and Epimenides spontaneously belonged from their very birth. And thus far, indeed, we have thought it requisite to mention this admirable and strenuous deed, the effect of his fortitude.

We shall however adduce another example of it, viz. the salvation of legitimate opinion; for, preserving this, he performed that which appeared to him to be just, and which was dictated by right reason, not being diverted from his intention either by pleasure, or labor, or any other passion, or danger. His disciples also chose to die rather than transgress his mandates. And when they were exposed to all-various fortunes, they preserved invariably the same manners. When also they were involved in ten thousand calamities, they never deviated from his precepts. But it was a never-failing exhortation with them, always to give assistance to law, but to be hostile to illegality, and to be accustomed from their birth to a life of temperance and fortitude, in order to restrain and repel luxury. They had also certain melodies which were devised by them, as remedies against the passions of the soul, and likewise against despondency and lamentation, which Pythagoras invented, as affording the greatest assistance in these maladies. And again, they employed other melodies against rage and anger, through which they gave intension and remission to these passions, till they reduced them to moderation, and rendered them commensu-

rate with fortitude. *That, however, which afforded them the greatest support in generous endurance, was the persuasion that no human casualties ought to be unexpected by men who are in the possession of intellect, but that all things ought to be expected by them, over which they have no absolute power.*

Moreover, if at any time they happened to be angry, or sorrowful, they immediately separated themselves from the rest of their associates, and each by himself alone strenuously endeavoured to digest and heal the passion [by which he was oppressed]. They also conceived generally, that labor should be employed about disciplines and studies, and that they should be severely exercised in trials of the most various nature, in punishments and restraints by fire and sword, in order to be liberated from innate intemperance, and an inexhaustible avidity of possessing; and that for this purpose, no labors, nor any endurance should be spared. In order to accomplish this likewise, they generously exercised abstinence from all animals, and besides this, from certain other kinds of food. Hence also arose their detention of speech, and their perfect silence as preparatory to the subjugation of the tongue; in which for many years they exercised their fortitude. To which also may be added, their strenuous and assiduous investigation and resumption of the most difficult theorems; and on account of these things, their abstinence from wine, their paucity of food

and sleep, and their contempt of glory, wealth, and the like. And in conjunction with all these particulars, they extended themselves to fortitude.

It is likewise said, that these men expelled lamentations and tears, and every thing else of this kind. They also abstained from entreaty, from supplication, and from all such illiberal adulation, as being effeminate and abject.¹ To the same conception likewise the peculiarity of their manners must be referred, and that all of them perpetually preserved among their arcana, the most principal dogmas in which their discipline was chiefly contained, keeping them with the greatest silence from being divulged to strangers, committing them unwritten to the memory, and transmitting them orally to their successors, as if they were the mysteries of the Gods. Hence it happened, that nothing of their philosophy worth mentioning, was made public, and that though for a long time it had been taught and learnt, it was alone known within their walls. But to those out of their walls, and as I may say, to the profane, if they happened to be present, these men spoke obscurely to each other

¹ i. e. *Humble* (ταπεινὴς οὐσις). With the Pythagoreans, therefore, humility was no virtue, though in modern times it is considered to be the greatest of the virtues. With Aristotle likewise it is no virtue: for in his *Nicomachean Ethics* he says, “that all humble men are flatterers, and all flatterers are humble.”

through symbols, of which the celebrated precepts that are now in circulation retain a vestige ; such as, Dig not fire with a sword, and other symbols of the like kind, which, taken literally, resemble the tales of old women ; but when unfolded, impart a certain admirable and venerable benefit to those that receive them.

The precept, however, which is of the greatest efficacy of all others to the attainment of fortitude, is that which has for its most principal scope the being defended and liberated from those bonds which detain the intellect in captivity from infancy, and without which no one can learn or perceive any thing sane or true, through whatever sense he may energize. For according to the Pythagoreans,

'Tis mind that all things sees and hears ;
What else exists is deaf and blind.

But the precept which is next to this in efficacy is that which exhorts to be beyond measure studious of purifying the intellect, and by various methods adapting it through mathematical orgies to receive something divinely beneficial, so as neither to fear a separation from body, nor, when led to incorporeal natures, to be forced to turn away the eyes, through their most refulgent splendor,¹ nor to be

¹ See the Cave of Plato, in the 7th book of his Republic.

converted to those passions which nail and fasten the soul to the body. And, in short, which urges the soul to be untamed by all those passions which are the progeny of the realms of generation, and which draw it to an inferior condition of being. For the exercise and ascent through all these, is the study of the most perfect fortitude. And such are the instances adduced by us of the fortitude of Pythagoras, and the Pythagoreans.

CHAP. XXXIII.

WITH respect to the amity, however, which subsists in all things towards all, Pythagoras delivered it in the clearest manner. And, the amity of the Gods indeed towards men, he unfolded through piety and scientific cultivation; but that of dogmas towards each other, and universally of the soul towards the body, and of the rational towards the species of the irrational part, through philosophy, and the theory pertaining to it. With respect to the amity of men also towards each other; that of citizens he delivered through sane legislation, but that of strangers through a correct physiology; and that between man and wife, or children, or bro-

thers, and kindred, through unperverted communion. In short, he unfolded the friendship of all things towards all, and still farther, of certain irrational animals, through justice and a physical connexion and association. But the pacification and conciliation of the body, which is of itself mortal, and of its latent contrary powers, he unfolded through health, and a diet and temperance conformable to this, in imitation of the salubrious condition of the mundane elements. In all these, however, Pythagoras is acknowledged to have been the inventor and legislator of the summary comprehension of them in one and the same name, which is that of friendship. And indeed he delivered such an admirable friendship to his associates, that even now those who are benevolent in the extreme towards each other, are said to belong to the Pythagoreans. It is necessary therefore to narrate the discipline of Pythagoras respecting these things, and the precepts which he used towards his disciples.

These men, then, exhorted others to remove from true friendship, contest and contention, and if possible, indeed, from all friendship; but if not, at least from that which is parental, and universally from that which pertains to seniors and benefactors. For to strive or contend with such as these, in consequence of anger intervening, or some other such-like passion, is not the salvation of the exist-

ing friendship. But they said it is requisite that there should be the least possible scars and ulcers in friendships; and that this will be the case, if those that are friends know how to soften and subdue anger. If both indeed know this, or rather the younger of the two, and who ranks in some one of the above-mentioned orders [their friendship will be more easily preserved]. They also were of opinion, that corrections and admonitions, which they called *pædartases*, should take place from the elder to the younger with much suavity and caution; and likewise, that much sedulous and appropriate attention should be manifested in admonitions. For thus they will be decorous and beneficial. They also said, that confidence should never be separated from friendship, neither seriously nor even in jest. For it is no longer easy for the existing friendship to be in a sane condition, when falsehood once insinuates itself into the manners of those that acknowledge themselves to be friends. Again, according to them, friendship should not be abandoned on account of misfortune, or any other imbecility to which human life is incident; but they said, that the only approvable rejection of a friend and friendship, is that which arises from great and incorrigible vice. Likewise, that hatred should not be voluntarily entertained against those who are not perfectly bad; but that if it is once formed, it should be generously and strenuously

retained, unless the object of it changes his manners, so as to become a better man. That the hostility also should not consist in words, but in deeds. And that this war is legitimate and holy, when it is conducted in such a way as it becomes one man to contend with another.

They likewise said, that we should never, to the utmost of our power, become the cause of dissension; but that we should as much as possible avoid the source of it. That in the friendship also, which is intended to be pure, the greater part of the things pertaining to it ought to be definite and legitimate. And that these should be properly distinguished, and should not be casual; and moreover, that we should be careful that our conversation may never be negligently and casually performed, but with modesty, benevolence, and good order. Also, that no passion, such as desire, or anger, be rashly excited, and in a bad and erroneous manner. And the same thing must be said of the remaining passions and dispositions.

Moreover, that they did not decline foreign friendships carelessly, but that they avoided and guarded against them, with the greatest sedulity; and also, that they rigidly preserved friendship towards each other for many ages, may be inferred from what Aristoxenus in his treatise On the Pythagoric life, says he heard from Dionysius, the tyrant of Sicily, when having fallen from monarchy

he taught grammar at Corinth. For Aristoxenus says as follows: "These men as much as possible prohibited lamentations and tears, and every thing of this kind; and in a similar manner adulation, entreaty, supplication, and the like. Dionysius, therefore, having fallen from his tyranny and come to Corinth, narrated to us the particulars concerning Phintias and Damon the Pythagoreans; and these were respecting the one being sponsor for the death of the other. But the mode of the suretyship was as follows: He said that certain persons, who were familiar with him, had frequently made mention of the Pythagoreans, defaming and reviling them, calling them arrogant, and asserting that their gravity, their pretended fidelity, and apathy would be laid aside, if any one should cause them to fall into [some great] calamity. Certain persons however contradicting this, and contention arising on the subject, recourse was had to artifice, and one of the accusers of Phintias said before him, that he evidently conspired with certain others against the life of Dionysius. This also was testified by some that were present, and the charges against Phintias appeared to be very probable. Phintias therefore was astonished at the accusation. But when Dionysius had unequivocally said, that he had accurately explored all these particulars, and that it was necessary that he should die, Phintias replied, that if it appeared requisite to him that this should take

place, he requested that he would grant him the remainder of the day, in order that he might settle his own affairs, and also those of Damon. For those men lived together, and had all things in common. Phintias, however, being the elder, the management of the domestic concerns was for the most part undertaken by him. He requested therefore, that Dionysius would suffer him to depart for this purpose, and he would appoint Damon for his surety. Dionysius therefore said that he wondered at the request, and that he asked him whether there was any man who was willing to become security for the death of another. But Phintias asserting that there was, Damon was sent for, who, on hearing what had happened, said that he would become the sponsor, and that he would remain there till Phintias returned. Dionysius therefore said, that he was immediately astonished at these circumstances ; but that they who at first introduced the experiment, derided Damon as one who would be caught, and said sneeringly that he would be the vicarious stag. When therefore it was near sunset, Phintias came to die ; at which all that were present were astonished and subdued. But Dionysius said, that having embraced and kissed the men, he requested that they would receive him as the third into their friendship. They however would by no means consent to a thing of this kind, though he entreated

them to comply with his request." And these things are related by Aristoxenus, who received them from Dionysius himself.

It is also said, that the Pythagoreans endeavoured to perform the offices of friendship to those of their sect, though they were unknown to, and had never been seen by each other, when they had received a certain indication of the participation of the same doctrines ; so that from such friendly offices the assertion may be credited, that worthy men, even though they should dwell in the most remote parts of the earth, are mutually friends, and this before they become known to and salute each other. It is said therefore, that a certain Pythagorean, travelling through a long and solitary road on foot, came to an inn ; and there, from labor and other all-various causes, fell into a long and severe disease, so as to be at length in want of the necessities of life. The inn-keeper, however, whether from commiseration of the man, or from benevolence, supplied him with every thing that was requisite, neither sparing for this purpose any assistance or expense. But the Pythagorean falling a victim to the disease, wrote a certain symbol, before he died, in a table, and desired the inn-keeper, if he should happen to die, to suspend the table near the road, and observe whether any passenger read the symbol. For that person, said he, will repay you what you have spent on me, and will

also thank you for your kindness. The inn-keeper, therefore, after the death of the Pythagorean, having buried, and paid the requisite attention to his body, had neither any hopes of being repaid, nor of receiving any recompense from some one who might read the table. At the same time, however, being surprised at the request of the Pythagorean, he was induced to expose the writing in the public road. A long time after, therefore, a certain Pythagorean passing that way, having understood the symbol, and learnt who it was that placed the table there, and having also investigated every particular, paid the inn-keeper a much greater sum of money than he had disbursed.

It is likewise related of Clinias the Tarentine, that when he had learnt that Prorus the Cyrenæan, who was zealously addicted to the Pythagorean doctrines, was in danger of losing all his property, he sailed to Cyrene, after having collected a sum of money, and restored the affairs of Prorus to a better condition, not only incurring, in so doing, a diminution of his own property, but despising the peril which he was exposed to in the voyage. After the same manner also, Thestor Posidoniates, having learnt from report alone, that Thymaridas Parus the Pythagorean had fallen into poverty, from the possession of great wealth, is said to have sailed to Parus, after having collected a large sum of money, and thus reinstated Thymaridas in pro-

perty. These therefore are beautiful instances of friendship. *The decisions, however, of the Pythagoreans respecting the communion of divine goods, the concord of intellect, and things pertaining to a divine soul, are much more admirable than the above examples. For they perpetually exhorted each other, not to divulge the God within them. Hence all the endeavour of their friendship both in deeds and words, was directed to a certain divine mixture, to a union with divinity, and to a communion with intellect and a divine soul.* But it is not possible to find any thing better than this, either in what is uttered by words, or performed by deeds. For I am of opinion, that all the goods of friendship are comprehended in this. Hence, as we have collected in this, as in a summit, all the prerogatives of the Pythagoric friendship, we shall omit to say any thing further about it.

CHAP. XXXIV.

SINCE, however, we have thus generally, and with arrangement, discussed what pertains to Pythagoras and the Pythagoreans; let us after this

narrate such scattered particulars relative to this subject, as do not fall under the above-mentioned order. It is said, therefore, that each of the Greeks who joined himself to this community of the Pythagoreans, was ordered to use his native language. For they did not approve of the use of a foreign tongue. Foreigners also united themselves to the Pythagoric sect, viz. the Messenians, the Lucani, Picentini, and the Romans. And Metrodorus the son of Thyrsus who was the father of Epicharmus,¹ and who transferred the greater part of his doctrine to medicine, says in explaining the writings of his father to his brother, that Epicharmus, and prior to him Pythagoras, conceived that the best dialect, as well as the best harmony of music, is the Doric; that the Ionic and the Æolic participate of the chromatic harmony; but that the Attic dialect is replete with this in a still greater degree. They were also of opinion, that the Doric dialect, which consists of vocal letters, is enharmonic.

Fables likewise bear testimony to the antiquity of this dialect. For in these it is said that Nereus married Doris the daughter of Ocean; by whom he had fifty daughters, one of which was the mother of Achilles. Metrodorus also says, that according to

¹ The original is, *Μητροδωρος τε ο Θυρσου του πατρος Επιχαρμου*, which Obrechtus erroneously translates, "Metrodorus Epicharmi filius Thyrsi nepos."

some, Hellen was the offspring of Deucalion, who was the son of Prometheus and Pyrrha the daughter of Epimetheus; and that from him came Dorus, and Æolus. He farther observes, that he learnt from the sacred rites of the Babylonians, that Hellen was the offspring of Jupiter, and that the sons of Hellen were Dorus, Xuthus, and Æolus; with which narrations Herodotus also accords. It is difficult, however, for those in more recent times to know accurately, in particulars so ancient, which of these narrations is to be preferred. But it may be collected from each of these histories, that the Doric dialect is acknowledged to be the most ancient; that the Æolic is next to this, which received its name from Æolus; and that the Ionic ranks as the third, which derived its appellation from Ion the son of Xuthus. The Attic is the fourth, which was denominated from Creusa, the daughter of Erectheus, and is posterior to the former dialects by three generations, as it existed about the time of the Thracians, and the rape of Orithyia, as is evident from the testimony of most histories. Orpheus also, who is the most ancient of the poets, used the Doric dialect.

Of medicine, however, they especially embraced the diætetic species, and in the exercise of this were most accurate. And in the first place, indeed, they endeavoured to learn the indications of symmetry, of labor, food, and repose. In the next place,

with respect to the preparation of food, they were nearly the first who attempted to employ themselves in it, and to define the mode in which it should be performed. The Pythagoreans likewise employed cataplasms, more frequently than their predecessors; but they in a less degree approved of medicated ointments. These, however, they principally used in the cure of ulcerations. But incisions and burnings they admitted the least of all things. Some diseases also they cured by incantations. But they are said to have objected to those who expose disciplines to sale; who open their souls like the gates of an inn to every man that approaches to them; and who, if they do not thus find buyers, diffuse themselves through cities, and, in short, hire gymnasia and require a reward from young men for those things which are without price. Pythagoras, however, concealed the meaning of much that was said by him, in order that those who were genuinely instructed might clearly be partakers of it; but that others, as Homer says of Tantalus, might be pained in the midst of what they heard, in consequence of receiving no delight from thence.

I think also, it was said by the Pythagoreans, respecting those who teach for the sake of reward, that they show themselves to be worse than statuaries, or those artists who perform their work sitting. For these, when some one orders them to make a

statue of Hermes, search for wood adapted to the reception of the proper form; but those pretend that they can readily produce the works of virtue from every nature.¹ The Pythagoreans likewise said, that it is more necessary to pay attention to philosophy, than to parents and agriculture; for it is owing to the latter, indeed, that we live; but philosophers and preceptors are the causes of our living well, and becoming wise, in consequence of having discovered the right mode of discipline and instruction. Nor did they think fit either to speak or write in such a way, that their conceptions might be obvious to any casual persons; but Pythagoras is said to have taught this in the first place to those that came to him, that, being purified from all incontinence, they should preserve in silence the doctrines they had heard. It is said, therefore, that he who first divulged the theory of commensurable and incommensurable quantities, to those who were unworthy to receive it, was so hated by the Pythagoreans that they not only expelled him from their

¹ This observation applies also to those of the present day, who, from a profound ignorance of human nature, attempt to enlighten by education the *lowest* class of mankind. For this, as I have elsewhere observed, is an attempt to break the golden chain of beings, to disorganise society, and to render the vulgar dissatisfied with the servile situations in which God and nature intended them to be placed. See p. 73. of the introduction to my translation of Select Works of Plotinus.

common association, and from living with them, but also constructed a tomb for him, as one who had migrated from the human and passed into another life. Others also say, that the Divine Power was indignant with those who divulged the dogmas of Pythagoras: for that he perished in the sea, as an impious person, who rendered manifest the composition of the *icostagonus*; viz. who delivered the method of inscribing in a sphere the dodecaedron, which is one of what are called the five solid figures. But according to others, this happened to him who unfolded the doctrine of irrational and incommensurable quantities.¹ Moreover, all the Pythagoric discipline was symbolic, and resembled enigmas and riddles, consisting of apothegms, in consequence of imitating antiquity in its character; just as the truly divine and Pythian oracles appear to be in a certain respect difficult to be understood and explained, to those who carelessly receive the answers which they give. Such therefore, and so many are the indications respecting Pythagoras and the Pythagoreans, which may be collected from what is disseminated about them.

¹ This also is asserted, as I have before observed, in the Scholia on the 10th book of Commandine's edition of Euclid's Elements, p. 122.

CHAP. XXXV.

THERE were, however, certain persons who were hostile to these men, and rose against them. That stratagems therefore were employed to destroy them, during the absence of Pythagoras, is universally acknowledged; but those that have written on this subject, differ in their account of the journey which he then undertook. For some say that he went to Pherecydes the Syrian, but others to Metapontum. Many causes, however, of the stratagems are enumerated. And one of them, which is said to have originated from the men called Cylonians, was as follows: Cylon the Crotonian held the first place among the citizens for birth, renown, and wealth; but otherwise, he was a severe, violent, and turbulent man, and of tyrannical manners. He had, however, the greatest desire of being made a partaker of the Pythagoric life, and having applied himself to Pythagoras, who was now an elderly man,¹ for this purpose, was rejected by him on account of the above-mentioned causes. In consequence of this, therefore, he and his friends exer-

¹ Obrechtus has omitted to translate the words *ηδη πρεσβυτην οντα*, "being now an elderly man."

cised violent hostilities against Pythagoras and his disciples. So vehement likewise and immoderate¹ was the ambition of Cylon, and of those who arranged themselves on his side, that it extended itself to the very last of the Pythagoreans. Pythagoras, therefore, for this cause went to Metapontum, and there is said to have terminated his life. But those who were called the Cylonians continued to form stratagems against the Pythagoreans, and to exhibit indications of all possible malevolence. Nevertheless, for a certain time the probity of the Pythagoreans subdued [this enmity,] and also the decision of the cities themselves, so that they were willing that their political concerns should be managed by the Pythagoreans [alone]. At length, however, the Cylonians became so hostile to the men,² that setting fire to the house of Milo in which the Pythagoreans were seated, and were consulting about warlike concerns; they burnt all the men except two, Archippus and Lysis. For these being in perfect vigour, and most robust, escaped out of the house. But this taking place, and no mention being made by the multitude of the calamity which had happened, the Pythagoreans ceased to pay any further attention to the affairs of govern-

¹ In the original *akparos*, which Obrechtus very erroneously translates *impotens*.

² i. e. To the Pythagoreans.

ment. This however happened through two causes, through the negligence of the cities (for they were not at all affected by so great a calamity taking place) and through the loss of those men who were most qualified to govern. But of the two Pythagoreans that were saved, and both of whom were Tarentines, Archippus indeed returned to Tarentum; but Lysis hating the negligence [of the cities] went into Greece, and dwelt in the Achaia of Peloponnesus. Afterwards, he migrated to Thebes, being stimulated by a certain ardent desire [of retreating thither]; and *there he had for his auditor Epaminondas who called Lysis his father.* There also Lysis terminated his life. But the rest of the Pythagoreans, except Archytas of Tarentum, departed from Italy, and being collected together in Rhegium, there dwelt with each other. The most celebrated of them, however, were Phanto, Echebrates, Polymnastus, and Diocles, who were Phlyasians; and Xenophilus Chalcidensis of Thrace. But in the course of time, when the administration of public affairs proceeded into a worse condition, these Pythagoreans nevertheless preserved their pristine manners and disciplines, though the sect began to fail, till it generously perished. These things, therefore, are narrated by Aristoxenus.

Nicomachus, however, in other respects accords with Aristoxenus, but as to the journey of Pytha-

goras, he says that this stratagem took place, while Pythagoras was at Delos. For he went there, in order to give assistance to his preceptor Pherecydes the Syrian who was then afflicted with the morbus pedicularis, and when he died, performed the necessary funeral rites. Then, therefore, those who had been rejected by the Pythagoreans, and to whom monuments had been raised, as if they were dead, attacked them, and committed all of them to the flames. Afterwards, they were overwhelmed by the Italians with stones, and thrown out of the house unburied. At that time, therefore, it happened that science failed together with those who possessed scientific knowledge, because till that period, it was preserved by them in their breasts as something arcane and ineffable. But such things only as were difficult to be understood, and which were not unfolded, were preserved in the memory of those who did not belong to the Pythagorean sect; a few things excepted, which certain Pythagoreans, who happened at that time to be in foreign lands, preserved as certain sparks of science very obscure and of difficult investigation. These also, being left by themselves, and not moderately dejected by the calamity, were scattered in different places, and no longer endured to have any communion with the rest of mankind. But they lived alone in solitary places, wherever they happened to meet with them; and each greatly preferred an

association with himself to that with any other person.

Fearing, however, lest the name of philosophy should be entirely exterminated from mankind, and that they should on this account incur the indignation of the Gods, by suffering so great a gift of theirs to perish, they made an arrangement of certain commentaries and symbols, and likewise, collected together the writings of the more ancient Pythagoreans, and of such things as they remembered. These, each left at his death to his son, or daughter, or wife, with a strict injunction not to give them to any one out of the family. This mandate therefore, was for a long time observed, and was transmitted in succession to their posterity.

Since, however, Apollonius dissents in a certain place respecting these particulars, and adds many things which we have not mentioned, we shall also insert his narration of the stratagem employed against the Pythagoreans. He says, therefore, that the envy of others attended Pythagoras from his childhood. For as long as he conversed with all that came to him, he was pleasing to them ; but when he associated with his disciples alone, the favourable opinion which the multitude entertained of him was diminished. And they permitted him indeed, to pay more attention to strangers than to themselves ; but they were indignant at his preferring some of their fellow-citizens before others, and

they apprehended that his disciples assembled together with intentions hostile to them. In the next place, as the young men that were indignant with him were of high rank, and surpassed others in wealth, and when they arrived at a proper age, not only held the first honors in their own families, but also managed the affairs of the city in common, they formed a large body of men (for they were more than three hundred in number) and in consequence of this there was but a small part of the city, which was not conversant with the same manners and the same pursuits as they were.

Moreover, as long as the Crotonians continued in their own country, and Pythagoras dwelt with them, that form of government remained which had been established when the city was founded, but which was not pleasing to the people, and therefore induced them to seek an occasion of producing a change. When therefore Sybaris was captured, and the land taken in the war was not divided by lot, according to the desire of the multitude, their silent hatred of the Pythagoreans burst forth, and the populace separated themselves from them. But the leaders of this dissension were those that were most near to the Pythagoreans, both by alliance and familiarity. The cause however of the discord was this, that many of the actions of the Pythagoreans offended these leaders, as well as casual persons, because these actions had something

peculiar in them when compared with those of others. But in the greatest of these actions they conceived that disgrace befel themselves alone.

Farther still, no one of the Pythagoreans called Pythagoras by his name, but while he was alive, when they wished to denote him, they called him *divine* ; and after his death they denominated him *that man* ; just as Homer represents Eumæus when he makes mention of Ulysses, saying,

Him, tho' he's absent, yet I fear, O guest,
To name ; such is the greatness of my love and care.

Conformably likewise to the precepts of their master, the Pythagoreans always rose from bed before the rising of the sun ; and never wore a ring in which the image of God was engraved. They also carefully observed to adore the rising sun, and avoided wearing a ring of the above mentioned description, lest they should have it about them at funerals, or in some impure place. In a similar manner, they were attentive to the mandate of Pythagoras, not to do any thing without previous deliberation and disquisition ; but to form a plan in the morning of what ought to be done [in the course of the day,] and at night to call to mind the actions of the day, by this means at one and the same time exploring their conduct, and exercising their memory. Thus too, they observed the precept, that if any one of their associates appoint-

ed to meet them at a certain place, they should stay there till he came through the day and the night; in this again, the Pythagoreans being accustomed to remember what was said, and not to speak casually. In short Pythagoras ordered them to be attentive to order and method as long as they lived, and not to blaspheme at the time of death, but to die with propitious words, such as are used by those who are sailing out of port into the Adriatic sea.¹

The kindred of the Pythagoreans however, were indignant that the Pythagoreans gave their right hand to those of their own sect alone, their parents excepted; and that they shared their possessions with each other in common, but excluded their relations from this fellowship, as if they were strangers. These, therefore, becoming the sources of the dissension, the rest readily fell into hostility against the Pythagoreans. Hippasus, also, Diodorus and Theages said at the same time, that every citizen ought to be a partaker of the magistracy and the assembly, and that the rulers should give an account of their conduct, to those who were elected by lot for this purpose from the multitude. But the Pythagoreans, Alcimachus, Dima-

¹ The whole of this paragraph, the greater part of which is a repetition of what has been said elsewhere, does not certainly belong to this place.

chus, Meton and Democedes opposed this, and persevered in prohibiting the dissolution of the polity derived from their ancestors. Those however, who patronized the multitude, subdued the other party. The multitude therefore, being assembled together, Cylon and Ninon who were rhetoricians accused the Pythagoreans. And of these, one belonged to the class of the rich, but the other was a plebeian. They also divided their harangues between themselves. But of these harangues, the longer being delivered by Cylon, Ninon concluded, pretending that he had explored the arcana of the Pythagoreans, and that he had connected and committed to writing such particulars as were especially calculated to criminate the Pythagoreans, and giving a book to ascribe, he ordered him to read it. But the book was inscribed *the Sacred Discourse*. And the following is a specimen of what it contained: Friends are to be venerated in the same manner as the Gods; but others are to be treated as brutes. This very sentence also is ascribed to Pythagoras by his disciples, and is by them expressed in verse as follows:

He like the blessed Gods his friends rever'd,
But reckon'd others men of no account.

Homer, too, especially deserves to be praised for calling a king *the shepherd of the people*. For being a friend to that government in which the rulers

are few, he evinced by this epithet that the rest of men are cattle. To beans it is requisite to be hostile, as being the leaders of decision by lot ; for by these men were allotted the administration of affairs. Again, empire should be the object of desire : for they proclaim that it is better to be one day a bull, than to be an ox for ever. That the legal institutes of others are laudable ; but that they should be exhorted to use those which are known to themselves. In one word, Ninon showed that their philosophy was a conspiracy against the multitude, and therefore exhorted them not to hear the counsellors, but to consider that they would never have been admitted into the assembly, if the council of the Pythagoreans had been approved by the session of a thousand men ; so that it was not fit to suffer those to speak, who prevented to the utmost of their power others from being heard. He observed, therefore, that they should consider the right hand which was rejected by the Pythagoreans, as hostile to them, when they gave their suffrages by an extension of the hands, or calculated the number of the votes. That they should also consider it to be a disgraceful circumstance, that they who conquered thirty myriads of men at the river Tracis, should be vanquished by a thousandth part of the same number through sedition in the city itself. In short Ninon so exasperated his hearers by his calumnies, that in a few days after, a great

multitude assembled together intending to attack the Pythagoreans as they were sacrificing to the Muses in a house near to the temple of Apollo. The Pythagoreans, however, foreseeing that this would take place, fled to an inn; but Democedes, with those that had arrived at puberty, withdrew to Platea. And those that had dissolved the laws made a decree in which they accused Democedes of compelling the younger part of the community to the possession of empire, and proclaimed by a cryer that thirty talents should be given to any one who destroyed him. An engagement also taking place, and Theages having vanquished Democedes in that contest, they distributed to him the thirty talents which the city had promised. But as the city, and the whole region were involved in many evils, the exiles were brought to judgment, and the power of decision being given to three cities, viz. to the Tarentines, Metapontines, and the Caulonians, those that were sent by them to determine the cause were corrupted by money, as we learn from the chronicles of the Crotonians. Hence the Crotonians condemned by their own decision those that were accused, to exile. In consequence, too, of this decision, and the authority which it conferred on them, they expelled all those from the city, who were dissatisfied with the existing state of affairs, and at the same time banished all their families, asserting that it was not fit to be impious, and that children ought not to be divulsed from their parents. They

likewise abolished loans, and made the land to be undivided.¹

Many years after this, when Dinarchus and his associates were slain in another battle, and Litagus also was dead, who had been the greatest leader of the seditious, a certain pity and repentance induced the citizens to recall those Pythagoreans that were left, from exile. For this purpose, they sent ambassadors from Achaia, and through them became amicable with the exiles, and consecrated their oaths at Delphi. But the Pythagoreans who returned from exile were about sixty in number, except those who were of a more advanced age, among which were some who applied themselves to medicine, and restored health to those that were sick by a certain diet; of which method of cure they were themselves the authors. It happened however, that those Pythagoreans who were saved, and who were particularly celebrated by the multitude, at that time in which it was said to the lawless, *This is not the condition of things which was under Ninon*;—these same Pythagoreans having left the city in order to procure assistance against the Thurians who invaded the country, perished in battle, mutually defending each other. But the

¹ In the original, *και την γην αναδαστον εποιησαν*, which Obrechtus erroneously translates, “*et agrorum divisionem introduxerunt.*”

city was so changed into a contrary opinion [of the Pythagoreans,] that besides the praise which it bestowed on them, it apprehended that it would gratify the Muses in a still greater degree, if it performed a public sacrifice in the temple of the Muses, which at the request of the Pythagoreans, they had before constructed in honor of those Goddesses. And thus much concerning the attack which was made on the Pythagoreans.

CHAP. XXXVI.

THE successor, however, of Pythagoras, is acknowledged by all men to have been Aristæus, the son of Damophon the Crotonian, who existing at the same time as Pythagoras, was seven ages prior to Plato. Aristæus likewise, was not only thought worthy to succeed Pythagoras in his school, but also to educate his children, and marry his wife Theano, because he was eminently skilled in the Pythagoric dogmas. For Pythagoras himself is said to have taught in his school, forty years wanting one, and to have lived nearly one hundred years. But Aristæus, when much advanced in

years, relinquished the school; and after him Mnesarchus succeeded, who was the son of Pythagoras. Bulagoras succeeded Mnesarchus, in whose time it happened that the city of the Crotonians was plundered. Gartydas the Crotonian succeeded Bulagoras, on his return from a journey which he had undertaken prior to the war. Nevertheless on account of the calamity of his country, he suffered so much anxiety, as to die prematurely through grief. But it was the custom with the rest of the Pythagoreans, when they became very old, to liberate themselves from the body as from a prison.

Moreover, some time after, Aresas Lucanus, being saved through certain strangers, undertook the management of the school; and to him came Diodorus Aspendius, who was received into the school, on account of the paucity of the Pythagoreans it contained. And in Heraclea, indeed, were Clinias and Philolaus; but at Metapontum, Theorides and Eurytus; and at Tarentum Archytas. It is also said that Epicharmus was one of the foreign auditors; but that he was not one of the school. Having however arrived at Syracuse, he abstained from philosophizing openly, on account of the tyranny of Hiero. But he inserted the conceptions of the men in metre, and published in comedies the occult dogmas of Pythagoras.

Of all the Pythagoreans, however, it is probable that many are unknown and anonymous. But the

following are the names of those that are known and celebrated : Of the Crotonians, Hippostratus, Dymas, Ægon, Æmon, Sillus, Cleosthenes, Agelas, Episylus, Phyciadas, Ecphantus, Timæus, Buthius, Eratus, Itmæus, Rhodippus, Bryas, Evandrus, Myllias, Antimedon, Ageas, Leophron, Agylus, Onatus, Hipposthenes, Cleophron, Alcmaeon, Damocles, Milon, Menon. Of the Metapontines, Brontinus, Parmiseus, Orestadas, Leon, Damarmenus, Æneas, Chilas, Melisias, Aristetas, Laphion, Evandrus, Agesidamus, Xenocades, Euryphemus, Aristomenes, Agesarchus, Alceas, Xenophantes, Thraseus, Arytus, Epiphron, Eiriscus, Megistias, Leocydes, Thrasymedes, Euphemus, Procles, Antimenēs, Lacritus, Damotages, Pyrrho, Rhexibius, Alopecus, Astylus, Dacidas, Aliochus, Lacrates, Glycinus. Of the Agrigentines, Empedocles. Of the Eleatæ, Parmenides. Of the Tarentines, Philolaus, Eurytus, Archytas, Theodorus, Aristippus, Lycon, Hestiæus, Polemarchus, Asteas, Clinias, Cleon, Eurymedon, Arceas, Clinagoras, Archippus, Zopyrus, Euthynus, Dicæarchus, Philonidas, Phrontidas, Lysis, Lysibius, Dinocrates, Echebrates, Paction, Acusiladas, Icmus, Pisicrates, Clearatus.

Of the Leontines, Phrynichus, Smichias, Aristoclidas, Clinias, Abroteles, Pisyrrhydus, Bryas, Evandrus, Archemachus, Mimnomachus, Achmonidas, Dicas, Carophantidas. Of the Sybarites, Metopus, Hippasus, Proxenus, Evanor, Deanax,

Menestor, Diocles, Empedus, Timasius, Polemæus, Evæus, Tyrsenus. Of the Carthaginians, Miltiades, Anthen, Odius, Leocritus. Of the Parians, Æetius, Phænecles, Dexitheus, Alcimachus, Dinarchus, Meton, Timæus, Timesianax, Amærus, Thymaridas. Of the Locrians, Gyptius, Xenon, Philodamus, Evetes, Adicus, Sthenonidas, Sosistratus, Euthynus, Zaleucus, Timares. Of the Posidonians, Athamas, Simus, Proxenus, Cranous, Myes, Bathylaus, Phædon. Of the Lucani, Ocellus and Occillus who were brothers, Oresandrus, Cerambus, Dardaneus, Malion. Of the Ægeans, Hippomedon, Timosthenes, Euelthon, Thrasydamus, Crito, Polycrator. Of the Lacones, Autocharidas, Cleonor, Eurycrates. Of the Hyperboreans, Abaris. Of the Rheginenses, Aristides, Demosthenes, Aristocrates, Phytius, Helicaon, Mnesibulus, Hipparchides, Athosion, Euthycles, Opsimus. Of the Selinuntians, Calais. Of the Syracusans, Leptines, Phintias, Damon. Of the Samians, Melissus, Lacon, Archippus, Glorippus, Heloris, Hippon. Of the Caulonienses, Callibrotus, Dicon, Nastas, Drymon, Xentas. Of the Phliasians, Diocles, Echebrates, Polymnastus, Phanton. Of the Sicyonians, Poliades, Demon, Sostratius, Sosthenes. Of the Cyrenæans, Prorus, Melanippus, Aristangelus, Theodorus. Of the Cyziceni, Pythodorus, Hipposthenes, Butherus, Xenophilus. Of the Catantæi, Charondas, Lysiades. Of the Corinthians,

Chrysippus. Of the Tyrrhenians, Nausitheus. Of the Athenians, Neocritus. And of Pontus, Lyrarnus. In all, two hundred and eighteen. [And these, indeed, are not all the Pythagoreans, but of all of them they are the most famous.¹]

But the most illustrious Pythagorean women are Timycha, the wife of Myllias the Crotonian. Philtis, the daughter of Theophrisus the Crotonian. Byndacis, the sister of Ocellus and Occillus, Lucanians. Chilonis, the daughter of Chilon the Lacedæmonian. Cratesiclea the Lacedæmonian, the wife of Cleanor the Lacedæmonian. Theano, the wife of Brontinus of Metapontum. Mya, the wife of Milon the Crotonian. Lasthenia the Arcadian. Abrotelia, the daughter of Abroteles the Tarentine. Echekratia the Phliasian. Tyrsenis, the Sybarite. Pisirrhonde, the Tarentine. Nisleadusa, the Lacedæmonian. Bryo, the Argive. Babelyma, the Argive. And Cleæchma, the sister of Autocharidas the Lacedæmonian. In all seventeen.

¹ The words within the brackets are from a Latin Manuscript, which was in the possession of Fabricius.

FRAGMENTS
OF THE
ETHICAL WRITINGS
OF CERTAIN
PYTHAGOREANS.

FROM
HIPPODAMUS, THE THURIAN,
IN HIS TREATISE
ON FELICITY.

OF animals, some are the recipients of felicity, but others are incapable of receiving it. And those animals, indeed, are receptive of it that have reason. For felicity cannot subsist without virtue; and virtue is first ingenerated in that which possesses reason. But those animals are incapable of receiving felicity, that are destitute of reason. For neither can that which is deprived of sight, receive the work or the virtue of sight; nor can that which is destitute of reason, be the recipient of the work, or the virtue of that which possesses reason. With respect to felicity, however, and virtue, the former is as a work, but the latter as a certain art, to that which possesses reason. But of animals which

possess reason, some are self-perfect, and these are such as are perfect through themselves, and are indigent of nothing external, either to their existence, or to their existing well and beautifully. And such, indeed, is God. Those animals, however, are not self-perfect, which are not perfect through themselves, but are in want of external causes to their perfection. And man is an animal of this kind. Of animals, therefore, which are not self-perfect, some indeed are perfect, but others are not perfect. And those indeed are perfect which derive their subsistence both from their own [proper] causes, and from external causes. And they derive it indeed from their own causes, because they obtain from thence both an excellent nature and deliberate choice; but from external causes, because they receive from thence equitable legislation and good rulers. But the animals which are not perfect, are either such as participate of neither of these, or of some one of these, or whose souls are entirely depraved. And such will the man be who is of a description different from the above.

Moreover, of perfect men there are two differences. For some of them are naturally perfect; but others are perfect according to life. And those indeed alone that are good, are naturally perfect. But these are such as possess virtue. For the virtue of the nature of every thing is a summit and perfection. Thus the virtue of the eye is the sum-

mit and perfection of the nature of the eye. But the virtue of man is the summit and perfection of the nature of man. Those also are perfect according to life, who are not only good, but happy. For felicity, indeed, is the perfection of human life. But human life is a system of actions : and felicity gives completion to the actions. Virtue also and fortune give completion to actions ; virtue, indeed, according to use ; but good fortune according to prosperity. God therefore is neither good through learning virtue from any one, nor is he happy through being attended by good fortune. For he is good by nature, and happy by nature, and always was and will be, and will never cease to be, such ; since he is incorruptible, and naturally good. But man is neither happy nor good by nature, but requires discipline and providential care. And in order to become good, indeed, he requires virtue ; but in order to become happy, good fortune. On this account, human felicity summarily consists of these two things, viz. of praise, and the predication of beatitude. Of praise indeed, from virtue ; but of the predication of beatitude, from prosperity. It possesses virtue therefore, through a divine destiny, but prosperity through a mortal allotment. But mortal are suspended from divine concerns, and terrestrial from such as are celestial. Things subordinate, also, are suspended from such as are more excellent. And on this account, the good

man who follows the Gods is happy ; but he who follows mortal natures is miserable. For to him who possesses wisdom, prosperity is good and useful. It is good, indeed, through his knowledge of the use of it ; but it is useful, through his co-operating with actions. It is beautiful, therefore, when prosperity is present with intellect, and when sailing as it were with a prosperous wind, actions are performed looking to virtue ; just as a pilot looks to the motions of the stars. For thus, he who does this will not only follow God, but will also co-arrange human with divine good.

This also is evident, that [human] life becomes different from disposition and action. But it is necessary that the disposition should be either worthy or depraved ; and that action should be attended either with felicity or misery. And a worthy disposition, indeed, participates of virtue ; but a bad one of vice. With respect to actions, also, those that are prosperous are attended with felicity ; (for they derive their completion through looking to reason) but those that are unfortunate, are attended with misery ; for they are frustrated of the end. Hence, it is not only necessary to learn virtue, but also to possess and use it, either for security, or increase, [of property when it is too little] or, which is the greatest thing of all, for the emendation of families and cities. For it is not only necessary to have the possession of things beautiful, but also the

use of them. All these things, however, will take place, when a man lives in a city that uses equitable laws. And these, indeed, I say, are what is called the horn of Amalthea. For all things are contained in equitable legislation. And without this, the greatest good of human nature can neither be effected, nor, when effected, be increased and become permanent. For this comprehends in itself virtue, and the tendency to virtue ; because excellent natures are generated according to it. Manners, likewise, studies, and laws, subsist through this in the most excellent condition ; and besides these, rightly-deciding reason, and piety and sanctity towards the most honorable natures. So that it is necessary that he who is to be happy, and whose life is to be prosperous, should live and die in a country governed by equitable laws, relinquishing all illegality. At the same time what has been said is attended with necessity. For man is a part of society, and hence from the same reasoning, will become entire and perfect, if he not only associates with others, but associates in a becoming manner. For some things are naturally adapted to subsist in many things, and not in one thing ; others in one thing, and not in many ; but others both in many, and in one thing, and on this account in one thing, because in many. For harmony, indeed, and symphony and number, are naturally adapted to be ingenerated in many things.

For nothing which makes a whole from these parts, is sufficient to itself.¹ But acuteness of seeing and hearing, and swiftness of feet, subsist in one thing alone. Felicity, however, and the virtue of soul, subsist both in one thing and in many, in a whole, and in the universe. And on this account they subsist in one thing, because they also subsist in many: and they subsist in many, because they are inherent in a whole and in the universe. For the orderly distribution of the whole nature of things methodically arranges each particular. And the orderly distribution of particulars gives completion to the whole of things and to the universe. But this follows from the whole being naturally prior to the part, and not the part to the whole. For if the world was not, neither the sun nor the moon would exist, nor the planets, nor the fixed stars. But the world existing, each of these also exists.

The truth of this also may be seen in the nature itself of animals. For if animal had no existence, there would neither be eye, nor mouth, nor ear. But animal existing, each of these likewise exists. As the whole, however, is to the part, so is the virtue of the whole to the virtue of the part. For harmony not existing, and a divine inspection of

¹ In the original, *ουδεν γαρ ανταρκες, ο τουτων των μοριων ποιει το ολον*. This Canter erroneously translates, “Quandoquidem horum nulla pars totum queat constituere.” And Gale has not noticed the error.

mundane affairs, things which are adorned would no longer be able to remain in an excellent condition. And equitable legislation not existing in a city, it is not possible for a citizen to be good or happy. Health, likewise, not existing in the animal, it is not possible for the foot or the hand to be strong and healthy. For harmony indeed is the virtue of the world; equitable legislation is the virtue of a city; and health and strength are the virtue of the body. Each of the parts likewise in these things is co-arranged on account of the whole and the universe. For the eyes see on account of the whole body. And the other parts and members are co-arranged for the sake of the whole [body] and the universe.

FROM
EURYPHAMUS,
IN HIS TREATISE
CONCERNING HUMAN LIFE.

THE perfect life of man falls short indeed of the life of God, because it is not self-perfect, but surpasses that of irrational animals, because it participates of virtue and felicity. For neither is God in want of external causes; since being naturally good and happy, he is perfect from himself; nor any irrational animal. For brutes being destitute of reason, they are also destitute of the sciences pertaining to actions. But the nature of man partly consists of his own proper deliberate choice, and partly is in want of the assistance derived from divinity. For that which is capable of being fashioned by reason, which has an intellectual perception of things beautiful and base, can erectly extend itself from earth, and look to heaven, and can perceive with the eye of intellect the highest

Gods,—that which is capable of all this, participates likewise of assistance from the Gods. But in consequence of possessing will, deliberate choice, and a principle of such a kind in itself as enables it to study virtue, and to be agitated by the storms of vice, to follow, and also to apostatize from the Gods,—it is likewise able to be moved by itself. Hence it is a partaker of praise and blame, honor and ignominy, partly from the Gods and partly from men, according as it zealously applies itself either to virtue or vice. For the whole reason of the thing is as follows: Divinity introduced man into the world as a most exquisite animal, to be reciprocally honored with himself, and *as the eye of the orderly distribution of things*. Hence also man gave names to things, becoming himself the character of them. He likewise invented letters, procuring through these a treasury of memory. And he imitated the established order of the universe, co-harmonizing by judicial proceedings and laws the communion of cities. For no work is performed by men more decorous to the world, or more worthy of the notice of the Gods, than the apt constitution of a city governed by good laws, and an orderly distribution of laws and a polity. For though each man himself by himself is nothing, and is not himself by himself sufficient to lead a life conformable to the common concord, and apt composition of a polity, yet he is well adapted to the

whole and to the perfect system of society. For the life of man is the image of a lyre accurately [harmonized,] and in every respect perfect. For every lyre requires these three things, apparatus, apt composition, and a certain musical contrectation. And apparatus indeed, is a preparation of all the appropriate parts; viz. of the chords, and of the instruments which co-operate with the well-sounding and striking of the lyre. But the apt composition is the commixture of the sounds with each other. And the musical contrectation is the motion of these conformably to the apt composition. Thus also human life requires these same three things. Apparatus, indeed, which is the completion of the parts of life. But the parts of life are the goods of the body, of riches, renown, and friends. The apt composition is the co-arrangement of these according to virtue and the laws. And the musical contrectation is the commixture of these conformably to virtue and the laws; virtue sailing with a prosperous wind, and having nothing externally resisting it. For felicity does not consist in being driven from the purpose of voluntary intentions, but in obtaining them; nor in virtue being without attendants and ministrant aids; but in completely possessing its own proper powers which are adapted to actions. For man is not self-perfect, but imperfect. And he becomes perfect, partly from himself, and partly from an external cause. He is

likewise perfect, either according to nature, or according to life. And he is perfect indeed according to nature, if he becomes a good man. For the virtue of each thing is the summit and perfection of the nature of that thing. Thus the virtue¹ of the eyes is the summit and perfection of the nature of the eyes; and this is also true of the virtue of the ears. Thus too, the virtue of man is the summit and perfection of the nature of man. But man is perfect according to life, when he becomes happy. For felicity is the perfection and completion of human goods. Hence, again, virtue and prosperity become the parts of the life of man. And virtue, indeed, is a part of him so far as he is soul, but prosperity so far as he is connected with body. But both are parts of him so far as he is an animal. For it is the province of virtue to use in a becoming manner the goods which are conformable to nature; but of prosperity to impart the use of them. And the former, indeed, imparts deliberate choice and right reason; but the latter, energies and actions. For to wish what is beautiful in conduct and to endure things of a dreadful nature, is the proper business of virtue. But it is the work of prosperity to render deliberate choice successful,

¹ Gale says in his notes, that after *οφθαλμων* he adds *φυσιος*, but he should evidently have added *απετα*, as in the above translation.

and to cause actions to arrive at the [desired] end. For the general conquers in conjunction with virtue and good fortune. The pilot sails well in conjunction with art and prosperous winds. The eye sees well in conjunction with acuteness of vision^a and light. And the life of man becomes most excellent through virtue itself, and prosperity.

^a In the original *συν τα οξυδορκια*, which Canter very defectively translates, *videndi facultate*.

FROM
HIPPARCHUS,
IN HIS TREATISE
ON TRANQUILLITY.

SINCE men live but for a very short period, if their life is compared with the whole of time, they will make a most beautiful journey as it were, if they pass through life with tranquillity. This however they will possess in the most eminent degree, if they accurately and scientifically know themselves, viz. if they know that they are mortal and of a fleshly nature, and that they have a body which is corruptible and can be easily injured, and which is exposed to every thing most grievous and severe, even to their latest breath. And in the first place, let us direct our attention to those things which happen to the body ; and these are pleurisy, inflammation of the lungs, phrensy, gout, stranguary, dysentery, lethargy, epilepsy, putrid ulcers, and ten thousand other diseases. But the diseases

which happen to the soul are much greater and more dire than these. For all the iniquitous, evil, illegal, and impious conduct in the life of man, originates from the passions of the soul. For through preternatural immoderate desires many have become subject to unrestrained impulses, and have not refrained from the most unholy pleasures, arising from being connected with daughters or even mothers. Many also have been induced to destroy their fathers, and their own offspring. But what occasion is there to be prolix in narrating externally impending evils, such as excessive rain, drought, violent heat and cold; so that frequently from the anomalous state of the air, pestilence and famine are produced, and all-various calamities, and whole cities become desolate? Since therefore many such-like calamities are impendent, we should neither be elevated by the possession of corporeal goods, which may rapidly be consumed by the incursions of a small fever, nor with what are conceived to be prosperous external circumstances, which frequently in their own nature perish more rapidly than they accede. For all these are uncertain and unstable, and are found to have their existence in many and various mutations; and no one of them is permanent, or immutable, or stable, or indivisible. Hence well considering these things, and also being persuaded, that if what is present and is imparted to us, is able to remain for the

smallest portion of time, it is as much as we ought to expect ; we shall then live in tranquillity and with hilarity, generously bearing whatever may befall us.

Now, however, many previously conceiving in imagination, that all that is present with, and imparted to them by nature and fortune, is better than it is, and not thinking it to be such as it is in reality, but such as it is able to become when it has arrived at the summit of excellence, they burden the soul with many great, nefarious, and stupid evils, when they are suddenly deprived of [these evanescent goods]. And thus it happens to them that they lead a most bitter and miserable life. But this takes place in the loss of riches, or the death of friends or children, or in the privation of certain other things, which are conceived by them to be most honorable possessions. Afterwards, weeping and lamenting, they assert of themselves, that they alone are most unfortunate and miserable, not remembering that these things have happened, and even now happen, to many others ; nor are they able to understand the life of those that are now in existence, and of those that have lived in former times, nor to see in what great calamities and waves of evils, many of the present time are, and of the past have been involved. Considering with ourselves therefore, that many having lost their property, have afterwards on account of this

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very loss been saved, since hereafter they might either have fallen into the hands of robbers, or into the power of a tyrant ; that many also who have loved certain persons, and have been benevolently disposed towards them in the extreme, have afterwards greatly hated them ;—considering all these things, which have been delivered to us by history, and likewise learning that many have been destroyed by their children, and by those that they have most dearly loved ; and comparing our own life with that of those who have been more unhappy than we have been, and taking into account human casualties [in general] and not only such as happen to ourselves, we shall pass through life with greater tranquillity. For it is not lawful that he who is himself a man, should think the calamities of others easy to be borne, and not his own, since he sees that the whole of life is naturally exposed to many calamities. Those however, that weep and lament, besides not being able to recover what they have lost, or recal to life those that are dead, impel the soul to greater perturbations, in consequence of its being filled with much depravity. It is requisite therefore, that, being washed and purified, we should by all possible contrivances wipe away our inveterate stains by the reasonings of philosophy. But we shall accomplish this by adhering to prudence and temperance, being satisfied with our present circumstances, and

not aspiring after many things. For men who procure for themselves a great abundance [of external goods], do not consider that the enjoyment of them terminates with the present life. We ought therefore to use the goods that are present; and by the assistance of the beautiful and venerable things of which philosophy is the source, we shall be liberated from the insatiable desire of depraved possessions.

FROM
ARCHYTAS,
IN HIS TREATISE CONCERNING
THE GOOD AND HAPPY MAN.

IN the first place, it is requisite to know this, that the good man is not immediately happy from necessity ; but that this is the case with the man who is both happy and good. For the happy man obtains both praise and the predication of blessedness ; but the good man [so far as he is good] obtains praise alone. The praise also arises from virtue ; but the predication of blessedness from good fortune. And the worthy man, indeed, becomes such from the goods which he possesses ; but the happy man is sometimes deprived of his felicity. For the power of virtue is perfectly free, but that of felicity is subject to restraint. For long-continued diseases of the body, and deprivations of the senses, cause the flourishing condition of felicity to waste away. God, however, differs from

a good man in this, that God indeed not only possesses virtue genuine and purified from every mortal passion, but his power also is unwearied and unrestrained, as being adapted to the most venerable and magnificent production of eternal works. Man indeed, by the mortal condition of his nature, not only enjoys this power and this virtue in a less degree; but sometimes through the want of symmetry¹ in the goods which he possesses, or through powerful custom, or a depraved nature, or through many other causes, he is unable to possess in the extreme a good which is perfectly true.

Since therefore of goods, some are eligible for their own sakes, and not for the sake of another thing; but others are eligible for the sake of something else, and not on their own account; there is also a certain third species of goods, which is eligible both on its own account, and for the sake of another thing. What, therefore, is the good which is eligible on its own account, and not for the sake of something else? It is evident that it is felicity. For we aspire after other things for the sake of this, but we do not desire this for the sake of any thing else. Again, what are those goods which we desire indeed for the sake of something else, but which we do not desire on their own account? It is evident they are such things as are useful, and pre-eligible

¹ For *συμμετριαν* here, I read *ασυμμετριαν*.

goods, which become the causes of our obtaining things which are eligible [on their own account]; such as corporeal labors, exercise, and frictions which are employed for the sake of a good habit of body; and also reading, meditation, and study, which are undertaken for the sake of things beautiful and virtue. But what are the things which are eligible on their own account, and also for the sake of something else? They are such things as the virtues, and the habits of them, deliberate choice and actions, and whatever adheres to that which is really beautiful. Hence, that indeed which is eligible on its own account, and not on account of something else, is a solitary good and one. But that which is eligible for its own sake, and for the sake of another thing, is triply divided. For one part of it indeed subsists about the soul; another about the body; and another pertains to externals. And that which is about the soul, consists of the virtues of the soul; that which is about the body, of the virtues of the body; and that which pertains to externals, consists of friends, glory, honor, and wealth. There is likewise a similar reasoning with respect to that which is eligible on account of something else. For one part of it indeed is effective of the goods of the soul; another part of it, of the goods of the body; and that which pertains to externals is the cause of wealth, glory, honor, and friendship.

That virtue however happens to be eligible for its own sake, is evident from the following considerations. For if things which are naturally subordinate, I mean the goods of the body, are eligible for their own sakes, but the soul is better than the body, it is evident that we love the goods of the soul on their own account, and not for the sake of the consequences with which they are attended.

There are likewise three definite times of human life ; one of prosperity ; another of adversity ; and a third subsisting between these. Since therefore, he is a good man who possesses and uses virtue ; but he uses it according to three seasons ; for he uses it either in adversity, or in prosperity, or in the time between these ; and in adversity indeed he is unhappy, but in prosperity happy, and in the middle condition, he is not happy [though he is not miserable] ;—this being the case, it is evident that felicity is nothing else than the use of virtue in prosperity. We now speak, however, of the felicity of man. But man is not soul alone, but is likewise body. For the animal which consists of both, and that which is constituted from things of this kind is man. For though the body is naturally adapted to be the instrument of the soul, yet this as well as the soul is a part of man [so far as he is an animal.*] Hence of goods also, some are

* i. e. So far as he is considered as energizing in conjunction with the body ; but so far as he has an energy indepen-

the goods of man, but others, of the parts of man. And the good of man, indeed, is felicity. But of the parts of man, the good of the soul is prudence, fortitude, justice, and temperance. And the good of the body is beauty, health, a good corporeal habit, and excellence of sensation. With respect to externals however, wealth, glory, honor, and nobility, are naturally adapted to be attendant on man, and to follow precedaneous goods. The less, also, are ministrant to the greater goods. Thus friendship, glory, and wealth, are ministrant both to the body and the soul ; but health, strength, and excellence of sensation, are subservient to the soul ; and prudence [i. e. wisdom] and justice are ministrant to the intellect of the soul. *Intellect, however, is the satellite of Deity.* For God is the most excellent, and the leader and ruler of all things. And for the sake of these, it is necessary that other goods should be present. For the general, indeed, is the leader of the army ; the pilot, of the ship ; God, of the world ; and intellect, of soul. But prudence is the leader of the felicity pertaining to life. For prudence is nothing else than the science of the felicity which respects human life, or the science of the goods which naturally pertain to man.

dent of the body, viz. so far as he is a rational soul, the body is not to be considered as a part of his essence. And the energy of the rational soul by itself alone, without any assistance from the corporeal organs, constitutes the true man, into the definition of which body does not enter.

And the felicity, indeed, and life of God are most excellent; but the felicity of man consists of science, and virtue, and in the third place of prosperity¹ corporalized. But I mean by science, the wisdom pertaining to things divine and demoniacal; and by prudence, the wisdom pertaining to human concerns, and the affairs of life. For it is requisite to call the virtues which employ reasonings and demonstrations, sciences. But it is fit to denominate virtue ethical, and the best habit of the irrational part of the soul, according to which we are said to possess certain qualities pertaining to manners; viz. by which we are called liberal,

¹ Canter, in his version of these Pythagoric fragments, uniformly translates *ευτυχια felicitas*, contrary to the obvious meaning of the word, as is evident in this, and many other passages. It is also directly contrary to what Aristotle says in cap. 13. lib. 7. of his Nicomachean Ethics: *δια δε το προσδειςθαι της τυχης, δοκει τισι ταυτον ειναι η ευτυχια τη ευδαιμονια, ουκ ουσα· επει και αυτη υπερβαλλουσα, εμποδιος εστι. i. e.* “Because felicity requires fortune, it appears to some persons that prosperity is the same with felicity. This however is not the case; since prosperity, when it is excessive, is an impediment to felicity.” But Canter did not, I believe, pretend to have any knowledge of philosophy: and Gale, who did, has not corrected him in this and many other places in which he has erred through the want of this knowledge. Gale however, though verbally learned, was but a garrulous smatterer in philosophy, as is evident from his notes on Iamblichus de Mysteriis.

Just, and temperate. But it is requisite to call prosperity, the preter-rational presence of goods, [or a supply of goods without the assistance of reason,] and which is not effected on account of it. Since therefore virtue and science are in our power, but prosperity is not; and since also felicity consists in the contemplation and performance of things [truly] beautiful; but contemplations and actions, when they are not prosperous, are attended with ministrant offices and necessity, but when they proceed in the right path, produce delight and felicity; and these things are effected in prosperity;—this being the case, it is evident that *felicity is nothing else than the use of virtue in prosperity*. Hence the good man is disposed with respect to prosperity, in the same manner as he who has an excellent and robust body. For such a one is able to endure heat and cold, to raise a great burden, and to sustain easily many other molestations.

Since therefore felicity is the use of virtue in prosperity, we must speak concerning virtue and prosperity, and in the first place concerning prosperity. For of goods, some indeed do not admit of excess, and this is the case with virtue. For there is not any virtue which is excessive, nor any worthy man who is beyond measure good. For virtue has the fit and becoming for a rule, and is the habit of the decorous in practical concerns. But prosperity receives excess and diminution.

And when it is excessive indeed, it generates certain vices, and removes a man from his natural habit; so that he frequently through this opposes the constitution of virtue. And this is not only the case with prosperity, but many other causes likewise may effect the same thing. For it is by no means proper to wonder, that some of those who play on the pipe should be arrogant men, who, bidding farewell to truth, ensnare by a certain false imagination those who are unskilled in music; and to disbelieve that a thing of this kind does not take place in virtue. For the more venerable a thing is, so much the more numerous are those that pretend to the possession of it. For there are many things which distort the habit and form of virtue; some of which are insidious arts and affectation; others are kindred physical passions, which sometimes produce an indecorum¹ contrary to the true disposition [of virtue.] This also is effected through manners in which men have been nurtured for a long time; and it not unfrequently happens that it is produced through youth or old age, and through prosperity or adversity; and by other very numerous ways. Hence, we ought never to wonder, if sometimes a distorted judgment is formed of all things, the true disposition being changed.² Thus we see that the

¹ For *επιπρεπειαν* here, I read *απρεπειαν*.

² In the original, *ωστε ουδεποκα δει θαυμαινεν, ει παντ' αν-*

most excellent carpenter frequently errs in the works which are the subjects of his art ; and this is also the case with the general, the pilot, the painter, and in short, with all artists. And yet at the same time we do not deprive them of the habit which they possess. For as we do not rank among bad men him who at certain times acts intemperately, or unjustly, or timidly ; so neither do we place him in the class of good men, who does something right in things pertaining to temperance, or justice, or fortitude. But it must be said that the conduct of bad men in things of this kind is casually right, and that good men [sometimes] err. A true judgment however [in these instances] is to be formed, not by looking to a certain occasion, or to a certain extent of time, but to the whole of life. But as indigence and excess are injurious to the body, yet excess and what are called superfluities, are naturally adapted to produce greater diseases [than those caused by indigence] ; thus also prosperity or adversity injure the soul, when they unseasonably happen ; yet that which is called by all men prosperity, is naturally adapted to produce greater diseases [than adversity], since it intoxi-

τεστραμμενως ενιοκα κρινεται, τας αληθινας διαθεσιος μεταπιπτουσας, which Canter erroneously translates as follows : “ Quo- circa mirandum non est, si cuncta nonnunquam, verâ affectione mutatâ, aliter eveniunt.” Nor is the error noticed by Gale.

cates like wine the reasoning power of good men.

Hence it is more difficult to bear prosperity in a becoming manner than adversity. For all men when they continue in adversity, are seen for the most part to be moderate and orderly in their manners ; but in prosperity they are brave, magnificent, and magnanimous [when they bear it in a becoming manner]. For adversity has the power of contracting and depressing the soul ; but prosperity, on the contrary, elevates and expands it. Hence all those that are unfortunate, are in their manners cautious and prudent ; but those that are fortunate are insolent and confident. But the boundary of prosperity, is that which a good man would deliberately choose to co-operate with him in his own proper actions ; just as the [proper] magnitude of a ship, and the [proper] magnitude of a rudder, are such as will enable a good pilot to sail over a great extent of sea, and to accomplish a great voyage. An excess of prosperity, however, is not naturally adapted to be vanquished by, but to vanquish the soul. For as a [very] splendid light causes an obscuration of sight in the eyes ; thus also excessive prosperity darkens the intellect of the soul. And thus much may suffice concerning prosperity.

FROM
THE AGES,
IN HIS TREATISE
ON THE VIRTUES.

THE order of the soul subsists in such a way, that one part of it is the reasoning power, another is anger, and another is desire. And the reasoning power, indeed, has dominion over knowledge ; anger over impetus ; and desire intrepidly rules over the appetitions of the soul. When therefore these three parts pass into one, and exhibit one appropriate composition, then virtue and concord are produced in the soul. But when they are divulsed from each other by sedition, then vice and discord are produced in the soul. It is necessary, however, that virtue should have these three things, viz. reason, power, and deliberate choice. The virtue, therefore, of the reasoning power of the soul is prudence ; for it is a habit of judging and contemplating. But the virtue of the irascible part, is for-

titude ; for it is a habit of resisting, and enduring things of a dreadful nature. And the virtue of the epithymetic or appetitive part is temperance ; for it is a moderation and detention of the pleasures which arise through the body. But the virtue of the whole soul is justice. For men indeed become bad, either through vice, or through incontinence, or through a natural ferocity. But they injure each other, either through gain, or through pleasure, or through ambition. Vice, therefore, more appropriately belongs to the reasoning part of the soul. For prudence indeed is similar to art ; but vice to pernicious art. For it invents contrivances for the purpose of acting unjustly. But incontinence rather pertains to the appetitive part of the soul. For continence consists in subduing, and incontinence in not subduing pleasures. And ferocity pertains to the irascible part of the soul. For when some one, through acting ill from desire, is gratified not as a man should be, but as a wild beast, then a thing of this kind is denominated ferocity. The effects also of these dispositions are consequent to the things for the sake of which they are performed. For avarice is consequent to vice ; but vice is consequent to the reasoning part of the soul. And ambition, indeed, follows from the irascible part ; and this becoming excessive, generates ferocity. Again, pleasure pertains to the appeti-

tive part ; but this being sought after more vehemently, generates incontinence. Hence, since the acting unjustly is produced from so many causes, it is evident that acting justly is effected through an equal number of causes. For virtue, indeed, is naturally beneficent and profitable ; but vice is productive of evil, and is noxious.

Since, however, of the parts of the soul, one is the leader, but the other follows, and the virtues and the vices subsist about these, and in these ; it is evident that with respect to the virtues also, some are leaders, others are followers, and others are composed from these. And the leaders, indeed, are such as prudence ; but the followers are such as fortitude and temperance ; and the composites from these, are such as justice. The passions, however, are the matter of virtue ; for the virtues subsist about, and in these. But of the passions, one is voluntary, but another is involuntary. And the voluntary, indeed, is pleasure ; but the involuntary is pain. Men also, who have the political virtues, give intension and remission to these, co-harmonizing the other parts of the soul, to that part which possesses reason. But the boundary of this co-adaptation, is for intellect not to be prevented from accomplishing its proper work, either by indigence, or excess. For that which is less excellent, is co-arranged for the sake of that which is more excellent.

Thus in the world, every part that is always passive, subsists for the sake of that which is always moved. And in the conjunction of animals, the female subsists for the sake of the male. For the latter sows, generating a soul; but the former alone imparts matter to that which is generated. In the soul however, the irrational subsists for the sake of the rational part. For anger and desire are co-arranged in subserviency to the first part of the soul; the former as a certain satellite, and guardian of the body; but the latter as a dispensator and provident curator of necessary wants. But intellect being established in the highest summit of the body, and having a prospect in that which is on all sides splendid and transparent,¹ investigates the wisdom of [real] beings. And this is the work of it accord-

¹ i. e. In the etherial vehicle of the soul, which when the soul energizes intellectually is spherical, and is moved circularly. This vehicle also is *αυγοειδης*, or luciform, throughout diaphanous, and of a star-like nature. Hence Marcus Antoninus beautifully observes: σφαιρα ψυχης αυτοειδης, (lege αυγοειδης) οταν μητε εκτεινηται επι τι, μητε εσω συντρεχη μητε συνιζανη, αλλα φωτι λαμπηται, ω την αληθειαν ορα την παντων, και την εν αυτη. Lib. II. i. e. "The sphere of the soul is then luciform, when the soul is neither extended to any thing [external] nor inwardly concurs with it, nor is depressed by it, but is illuminated with a light by which she sees the truth of all things, and the truth that is in herself."

ing to nature, viz. having investigated, and obtained the possession [of truth] to follow those beings who are more excellent and more honorable than itself. *For the knowledge of things divine and most honorable, is the principle, cause, and rule of human blessedness.*

FROM
METOPUS,
IN HIS TREATISE
CONCERNING VIRTUE.

THE virtue of man is the perfection of the nature of man. For every being becomes perfect, and arrives at the summit of excellence according to the proper nature of its virtue. Thus the virtue of a horse, is that which leads the nature of a horse to its summit. And the same reasoning is applicable to the several parts of a thing. Thus the virtue of the eyes is acuteness of vision : and this in the nature of the eyes is the summit. The virtue of the ears also, is acuteness of hearing : and this is the summit of the nature of the ears. Thus too, the virtue of the feet is swiftness : and this is the summit of the nature of the feet. It is necessary however, that every virtue should have these three things, reason, power, and deliberate choice ; rea-

son indeed, by which it judges and contemplates ; power, by which it prohibits and vanquishes ; and deliberate choice, by which it loves and delights in [what is proper]. To judge therefore, and contemplate, pertain to the dianoetic part of the soul ; but to prohibit and vanquish are the peculiarity of the irrational ¹ part of the soul ; and to love and delight in what is proper, pertain to both the rational and irrational parts. For deliberate choice consists of dianoia [or the discursive energy of reason] and appetite. Dianoia therefore, belongs to the rational, but appetite to the irrational part of the soul. The multitude however, of all the virtues, may be perceived from the parts of the soul ; and in a similar manner the generation and nature of virtue. For of the parts of the soul, there are two that rank as the first, viz. the rational and the irrational parts. And the rational part indeed, is that by which we judge and contemplate ; but the irra-

¹ M. Meibomius observes, that Canter did not see that λογιστικῷ should be written in this place for αλογῷ. Canter however was right in retaining αλογῷ. For the dianoetic is the same with the logistic part of the soul ; and it is evident that a part of the soul different from the dianoetic is here intended to be signified. Besides, as Aristotle shows in his Nicomachean Ethics, when the irrational becomes obedient to the rational part of the soul, the former then prohibits and vanquishes base appetites in conjunction with the latter.

tional part is that by which we are impelled and desire. These however, are either concordant or discordant with each other. But the contest and dissonance between them, are produced through excess and defect. It is evident therefore, that when the rational vanquishes the irrational part of the soul, endurance and continence are produced ; and that when the former leads, and the latter follows, and both accord with each other, then virtue is generated. Hence, endurance and continence are generated accompanied with pain ; but endurance resists pain, and continence pleasure. Incontinence however, and effeminacy, neither resist nor vanquish [pleasure]. And on this account it happens that men fly from good through pain, but reject it through pleasure. Praise likewise, and blame, and every thing beautiful in human conduct are produced in these parts of the soul. And in short, the nature of virtue derives its subsistence after this manner.

The species however, and the parts of it, may be surveyed as follows : Since there are two parts of the soul, the rational and the irrational ; the latter is divided into the irascible and appetitive. And the rational part indeed, is that by which we judge and contemplate ; but the irrational part is that by which we are impelled and desire. And of this, that which is as it were adapted to defend us, and

revenge incidental molestations, is denominated the irascible part; but that which is as it were orectic of, and desires to preserve the proper constitution of the body, is the appetitive part. It is evident therefore, that the multitude of the virtues, their differences, and their peculiarities, follow conformably to these parts of the soul.

FROM CLINIAS.

EVERY virtue is perfected, as was shown by us in the beginning, from reason, deliberate choice, and power. Each of these, however, is not by itself a part of virtue, but the cause of it. Such therefore, as have the intellectual and gnostic part of virtue,¹ are denominated skilful and intelligent; but such as have the ethical and pre-elective part of it, are denominated useful and equitable.² Since however, man is naturally adapted to act unjustly from exciting causes; and these are three, the love of pleasure in corporeal enjoyments; avarice, in the accumulation of wealth; and ambition, in surpassing those that are equal and similar to him;—this being the case, it is necessary to know, that it is possible to oppose to these such things as procure fear, shame, and desire in men; viz. fear through the laws, shame through the Gods, and desire through

¹ viz. Such as have the theoretic virtues.

² i. e. Such as have the ethical and political virtues.

the energies of reason. Hence, it is necessary that youth should be taught from the first to honor the Gods and the laws. For from these, it will be manifest, that every human work, and every kind of human life, by the participation of sanctity and piety, will sail prosperously [over the sea of generation].

FROM
THE AGES,
IN HIS TREATISE
ON THE VIRTUES.

THE principles of all virtue are three; knowledge, power, and deliberate choice. And knowledge indeed, is that by which we contemplate and form a judgment of things; power is as it were a certain strength of the nature¹ from which we derive our subsistence, and is that which gives stability to our actions; and deliberate choice is as it were certain hands of the soul by which we are impelled to, and

¹ The original is, *α δε δυναμις, οιον αλκα τις τω σκανεος, α υφισταμεθα, και εμμενομες τοις πραγμασιν*. This sentence in its present state is certainly unintelligible. For *σκανεος* therefore, I read *φυσεως*, and then the sense will be as in the above translation. The version of Canter is certainly absurd; for it is, “*Facultas tanquam robur et causæ, quo ferimus, et in rebus permanemus.*” And Gale, as usual, takes no notice of the absurdity.

lay hold on the objects of our choice. The order of the soul also subsists as follows : One part of it is the reasoning power, another part is anger, and another is desire. And the reasoning power indeed, is that which has dominion over knowledge ; anger is that which rules over the ardent impulses of the soul ; and desire is that which willingly rules over appetite. When therefore, these three pass into one, so as to exhibit one co-adaptation, then virtue and concord are produced in the soul ; but when they are seditious, and divulsed from each other, then vice and discord are generated in the soul. And when the reasoning power prevails over the irrational parts of the soul, then endurance and continence are produced ; endurance indeed, in the retention of pains ; but continence in the abstinence from pleasures. But when the irrational parts of the soul prevail over the reasoning power, then effeminacy and incontinence are produced ; effeminacy indeed, in flying from pain ; but incontinence, in the being vanquished by pleasures. When however, the better part of the soul governs, but the less excellent part is governed ; and the former leads, but the latter follows, and both consent, and are concordant with each other, then virtue and every good are generated in the whole soul. When likewise the appetitive follows the reasoning part of the soul, then temperance is produced ; but when this is the case with the irascible

part, fortitude is produced ; and when it takes place in all the parts of the soul, then justice is the result. For justice is that which separates all the vices and all the virtues of the soul from each other. And justice is a certain established order of the apt conjunction of the parts of the soul, and perfect and supreme virtue. For every good is contained in this ; but the other goods of the soul cannot subsist without this. Hence justice possesses great strength both among Gods and men. For this virtue contains the bond by which the whole and the universe are held together, and also by which Gods and men are connected. Justice therefore, is said to be Themis among the celestial, but Dice among the terrestrial Gods ; and Law among men. These assertions however, are indications and symbols, that justice is the supreme virtue. Hence virtue, when it consists in contemplating and judging, is called prudence ; when in sustaining things of a dreadful nature, it is denominated fortitude ; when in restraining pleasure, temperance ; and when in abstaining from gain, and from injuring our neighbours, justice.

Moreover, the arrangement of virtue according to right reason, and the transgression of it contrary to right reason, produce [in the former case] a tendency to the decorous as the final mark, and [in the latter] the frustration of it. The decorous however, is that which ought to be. But this does

not require either addition or ablation ; since it is that which it is requisite to be. But of the indecorous there are two species ; one of which is excess, and the other defect. And excess indeed, is more, but deficiency is less, than is decorous. Virtue also, is a certain habit of the decorous. Hence it is directly, both a summit and a medium. For thus, things that are decorous are both media and summits. They are media indeed, because they fall between excess and deficiency ; but they are summits, because they do not require either addition or ablation. For they are the very things themselves which they ought to be.

Since however, the virtue of manners is conversant with the passions, but of the passions pleasure and pain are supreme, it is evident that virtue does not consist in extirpating the passions of the soul, pleasure and pain, but in co-harmonizing them. For neither does health, which is a certain apt mixture of the powers of the body, consist in expelling the cold and the hot, the moist and the dry ; but in these being [appropriately] mingled together. For it is as it were, a certain symmetry of these. Thus too, in music, concord does not consist in expelling the sharp and the flat ; but when these are co-harmonized, then concord is produced, and dissonance is exterminated. In a similar manner, the hot and the cold, the moist and the dry, being harmoniously mingled together, health

is produced, and disease destroyed. But when anger and desire are co-harmonized, the vices and the [other] passions are extirpated, and the virtues and manners are ingenerated. Deliberate choice however, in beautiful conduct, is the greatest peculiarity of the virtue of manners. For it is possible to use reason and power without virtue; but it is not possible to use deliberate choice without it. For deliberate choice indicates the dignity of manners. Hence also, the reasoning power subduing *by force* anger and desire, produces continence and endurance. And again, when the reasoning power is violently dethroned by the irrational parts, then incontinence and effeminacy are produced. Such dispositions however, of the soul as these, are half-perfect virtues, and half-perfect vices. For the reasoning power of the soul is [according to its natural subsistence] in a healthy, but the irrational parts are in a diseased condition. And so far indeed, as anger and desire are governed and led by the rational part of the soul, continence and endurance become virtues; but so far as this is effected by violence, and not voluntarily, they become vices. For it is necessary that virtue should perform such things as are fit, not with pain, but with pleasure. Again, so far as anger and desire govern the reasoning power, effeminacy and incontinence are produced, which are certain vices. But so far as they gratify the passions with pain, knowing that they are erro-

neous, in consequence of the eye of the soul being sane,—so far as this is the case, they are not vices. Hence, it is evident that virtue must necessarily perform what is fit voluntarily; that which is involuntary indeed, not being without pain and fear; and that which is voluntary, not subsisting without pleasure and delight.

By division also it will at the same time be found that this is the case. For knowledge and the perception of things, are the province of the rational part of the soul; but power pertains to the irrational part. For not to be able to resist pain, or to vanquish pleasure, is the peculiarity of the irrational part of the soul. But deliberate choice subsists in both these, viz. in the rational, and also in the irrational part. For it consists of *dianoia* and appetite; of which, *dianoia* indeed, pertains to the rational, but appetite to the irrational part. Hence every virtue consists in a co-adaptation of the parts of the soul; and both will and deliberate choice, entirely subsist in virtue.

Universally therefore, virtue is a certain co-adaptation of the irrational parts of the soul to the rational part. Virtue however, is produced through pleasure and pain receiving the boundary of that which is fit. For true virtue is nothing else than the habit of that which is fit. But the fit, or the decorous, is that which ought to be; and the unfit, or indecorous, is that which ought

not to be. Of the indecorous however, there are two species, viz. excess and defect. And excess indeed, is more than is fit; but defect is less than is fit. But since the fit is that which ought to be, it is both a summit and a middle. It is a summit indeed, because it neither requires ablation, nor addition; but it is a middle, because it subsists between excess and defect. The fit, however, and the unfit, are to each other as the equal and the unequal, that which is arranged, and that which is without arrangement; and both the two former and the two latter are finite and infinite.¹ On this account, the parts of the unequal are referred to the middle, but not to each other. For the angle is called obtuse which is greater than a right angle; but that is called acute, which is less than a right angle. The right line also [in a circle] is greater, which surpasses that which is drawn from the center. And the day is longer indeed, which exceeds that of the equinox. Diseases, likewise, of the body are generated, through the body becoming more hot or more cold [than is proper]. For that which is more hot [than is fit] exceeds moderation; and that

¹ viz. The equal and that which is arranged, belong to the order of bound, and the unequal and that which is without arrangement, to the order of infinity. And bound and infinity are the two great principles of things after the ineffable cause of all. See the third book of my translation of Proclus, On the Theology of Plato.

which is more cold [than is fit] is below mediocrity. The soul also, and such things as pertain to it, have this disposition and analogy. For audacity indeed, is an excess of the decorous in the endurance of things of a dreadful nature; but timidity is a deficiency of the decorous. And prodigality is an excess of what is fit in the expenditure of money; but illiberality is a deficiency in this. And rage indeed, is an excess of the decorous in the impulse of the irascible part of the soul; but insensibility is a deficiency of this. The same reasoning likewise applies to the opposition of the other dispositions of the soul. It is necessary however, that virtue, since it is a habit of the decorous, and a medium of the passions, should neither be [wholly] impassive, nor immoderately passive. For impassivity indeed, causes the soul to be unimpelled, and to be without an enthusiastic tendency to the beautiful in conduct; but immoderate passivity causes it to be full of perturbation, and inconsiderate. It is necessary therefore, that passion should so present itself to the view, in virtue, as shadow and outline in a picture. For the animated and the delicate, and that which imitates the truth, in conjunction with goodness of colors, are especially effected in a picture through these [i. e. through shadow and outline]. But the passions of the soul are animated by the natural incitation and enthusiasm of virtue. For virtue is generated

from the passions, and when generated, again subsists together with them ; just as that which is well harmonized consists of the sharp and the flat, that which is well mingled consists of the hot and the cold, and that which is in equilibrium derives its equality of weight from the heavy and the light. It is not therefore necessary to take away the passions of the soul ; for neither would this be profitable ; but it is requisite that they should be co-harmonized with the rational part, in conjunction with fitness and mediocrity.

FROM
THE TREATISE OF
ARCHYTAS
ON ETHICAL ERUDITION.

I SAY that virtue will be found sufficient to the avoidance of infelicity, and vice to the non-attainment of felicity, if we judiciously consider the habits [by which these are produced]. For it is necessary that the bad man should always be miserable; whether he is in affluence, for he employs it badly; or whether he is in penury; just as the blind man, whether he has light, and the most splendid visible object before him, or whether he is in the dark [is always necessarily without sight]. But the good man is not always happy; for felicity does not consist in the possession, but in the use of virtue. For neither does he who has sight always see; for he will not see, if he is without light. Life, however, is divided into two paths; one of which is more arduous, and in which the

patient Ulysses walked ; but the other is more free from molestation, and is that in which Nestor proceeded. I say therefore that virtue desires the latter, but is able to proceed in the former of these paths. The nature however of felicity proclaims it to be a desirable and stable life, because it gives perfection to the decision of the soul. Hence the virtuous man who does not obtain such a life as this, is not indeed happy, nor yet entirely miserable. No one therefore will dare to say that the good man should be exempt from disease, and pain, and sorrow. For as we leave certain painful things to the body, so likewise we must permit them to be present with the soul. The sorrows, however, of fools are most irrational ; but those of wise men proceed only as far as reason, which gives limitation to things, permits. Moreover, the boast of apathy dissolves the generosity of virtue, when it opposes itself to things of an indifferent nature, and not to evils such as death, and pain, and poverty. For things which are not evils are easily vanquished. We should therefore exercise ourselves in the mediocrity of the passions, as we shall then equally avoid insensibility, and too much passivity, and shall not speak higher of our nature than we ought.

FROM
ARCHYTAS,
IN HIS TREATISE ON
THE GOOD AND HAPPY MAN.

I SAY then that the good man is one who uses in a beautiful manner great things and opportunities. He likewise is able to bear well both prosperity and adversity. In beautiful and honorable circumstances also, he becomes worthy of the condition in which he is placed ; and when his fortune is changed, receives it in a proper manner. In short, on all occasions, he contends well from contingencies that may arise. Nor does he only thus prepare himself [for whatever may happen], but likewise those who confide in and contend together with him.

FROM
CRITO,
IN HIS TREATISE ON
PRUDENCE AND PROSPERITY.

PRU DENCE and prosperity subsist, with reference to each other, as follows : Prudence indeed is effable and possesses reason ; for it is something orderly and definite. But prosperity is ineffable and irrational ; for it is something disorderly and indefinite. And prudence, indeed, is prior, but prosperity is posterior in beginning and in power. For the former is naturally adapted to govern and define ; but the latter to be governed and defined. Moreover, both prudence and prosperity receive co-adaptation, since they concur in one and the same thing. For it is always necessary that the thing which bounds and co-arranges, should have a nature which is effable and participates of reason ; but that the thing which is bounded and co-arranged, should be naturally ineffable and irrational.

For the reason of the nature of the infinite and of that which bounds, thus subsists in all things. For infinities are always naturally disposed to be bounded and co-arranged by things which possess reason and prudence, since the former have the order of matter and essence with relation to the latter. But finites are co-arranged and bounded from themselves, since they have the order of cause, and of that which is energetic.

The co-adaptation, however, of these natures in different things, produces a great and various difference of co-adapted substances. For in the comprehension of the whole of things, the co-adaptation of both the natures, i. e. of the nature which is always moved, and of that which is always passive, is the world. For it is not possible for the whole and the universe to be otherwise saved, than by that which is generated being co-adapted to that which is divine, and that which is always passive to that which is always moved.¹ In man, likewise, the co-adaptation of the irrational to the rational part of the soul, is virtue. For it is not possible in these, when there is sedition in both the parts, that virtue should have a subsistence. In a city also, the co-adaptation of the governors to the governed, produces strength and concord. For to govern

¹ viz. The salvation of the universe arises from the co-adaptation of the sublunary region to the heavens.

is the peculiarity of the better nature ; but to be governed, is easier to the subordinate [than to the more excellent] nature. And strength and concord are common to both. There is, however, the same mode of adaptation in the universe and in a family : for allurements¹ and erudition concur with reason in one and the same thing ; and likewise pains and pleasures, prosperity and adversity. For the life of man requires intension and remission, sorrow and gladness, prosperity and adversity. For some things are able to collect and retain the intellect to industry and wisdom ; but others impart relaxation and delight, and thus render the intellect vigorous and prompt to action. If however one of these prevails in life, then the life of man becomes of one part, and verges to one part, tending either to sorrow and difficulty, or to remission and levity. But the co-adaptation of all these ought to subsist with reference to prudence. For this separates and distinguishes² bound and infinity in actions. Hence prudence is the leader and mother of the

¹ In the Greek *επωδας* ; on which Gale observes, “ Forte *αμαθιας*, nisi aliud subsit mysterium.” But it appears to me that there is no occasion to substitute any other word for *επωδας*. For in the education of youth, it is certainly requisite to unite allurement with erudition. And the substitution of *αμαθιας*, *ignorance*, is monstrous.

² In the original *αυτα γαρ α διενεργουσα*, instead of which Gale proposes to read *αυτα γαρ αδε ενεργοισα*, which still

other virtues. For all of them are co-harmonized and co-arranged with reference to the reason and law of this virtue. And now my discussion of this subject is terminated. For the irrational and the effable are in all things. And the latter defines and bounds; but the former is defined and bounded. That, however, which consists of both these, is the apt composition of the whole and the universe.

The following beautiful fragment of CRITO on Prudence, is from the Physical Eclogues of Stobæus, p. 198, and is omitted by Gale in his Collection of Pythagoric Ethical Fragments in Opusc. Mythol. &c.

God fashioned man in such a way as to render it manifest, that he is not through the want of power, or of deliberate choice, incapable of being impelled to what is beautiful in conduct. For he implanted in him a principle of such a kind as to comprehend at one and the same time the possible and the pre-eligible; so that man might be the cause of power, and the possession of good, but

leaves the sentence involved in obscurity. But if for *διεργουσα* we read *διοριζουσα* as in the above translation, the meaning is clear.

God of impulse and incitation according to right reason. On this account also, he made him tend to heaven, gave him an intellective power, and implanted in him a sight called intellect, which is capable of beholding God. For it is not possible without God to discover that which is best and most beautiful, nor without intellect to see God, since every mortal nature is established in conjunction with a kindred privation of intellect. This however is not imparted to it by God, but by the essence of generation, and by that impulse of the soul which is without deliberate choice.

FROM
ARCHYTAS,
IN HIS TREATISE ON
THE GOOD AND HAPPY MAN.

THE prudent [i. e. the wise] man will especially become so as follows: In the first place, being naturally sagacious, possessing a good memory, and being a lover of labor, he should exercise his dialectic power immediately from his youth in reasonings and disciplines, and in accurate theories, and adhere to genuine philosophy. But after this he should acquire knowledge and experience in what pertains to the Gods, the laws, and human lives. For there are two things from which the disposition of prudence is produced; one of which consists in obtaining a mathematical and gnostic habit; but the other, in a man perceiving by himself many theorems and things, and understanding other things through a certain different mode. For neither is he sufficient to the possession of pru-

dence, who immediately from his youth has exercised his dianoetic power in reasonings and disciplines ; nor he who being destitute of these, has heard and has been conversant with a multitude of things. But the latter will have his dianoetic power blind, through judging of particulars ; and the former through always surveying universals. For as in computations the amount of the whole is obtained by the addition of the parts, thus also in things, reason is able to delineate the theory of universals ; but experience has the power of forming a judgment of particulars.

FROM
ARCHYTAS,
IN HIS TREATISE
ON DISCIPLINES.

It is necessary that you should become scientific, either by learning from another person, or by discovering yourself the things of which you have a scientific knowledge. If, therefore, you learn from another person, that which you learn is foreign ; but what you discover yourself is through yourself, and is your own. Moreover, if you investigate, discovery will be easy, and soon obtained ; but if you do not know how to investigate, discovery will be to you impossible. And [right] reasoning indeed, when discovered, causes sedition to cease, and increases concord. For through this the inexhaustible desire of possessing is suppressed, and equality prevails ; since by this we obtain what is just in contracts. Hence, on account of this, the poor receive from those who are able to give ; and the rich

give to those that are in want, both of them believing that through this they shall obtain the equal. This however will be a rule and an impediment to those that act unjustly, viz. that men who possess scientific knowledge will appease their anger, prior to the commission of an injury, being persuaded that the perpetrators of it will not be concealed when it is committed ; but that those who do not possess scientific knowledge, becoming manifest in the commission of an injury, will be restrained from acting unjustly.

FROM
POLUS,
IN HIS TREATISE
ON JUSTICE.

It appears to me that the justice which subsists among men, may be called the mother and the nurse of the other virtues. For without this a man can neither be temperate, nor brave, nor prudent. For it is the harmony and peace, in conjunction with elegance, of the whole soul. The strength however of this virtue will become more manifest, if we direct our attention to the other habits. For they have a partial utility, and which is referred to one thing; but this is referred to whole systems, and to a multitude. In the world therefore, it conducts the whole government of things, and is providence, harmony, and Dice, by the decree of a certain genus of Gods. But in a city it is justly called peace, and equitable legislation. And in a house, it is the concord between

the husband and wife ; the benevolence of the servant towards the master ; and the anxious care of the master for the welfare of the servant. In the body likewise, which is the first and dearest thing to all animals, [so far as they are animals,] it is the health and intireness of all the parts. But in the soul, it is the wisdom, which among men subsists from science and justice. If therefore, this virtue thus disciplines and saves both the whole and the parts [of every thing] rendering things concordant and familiar with each other, how is it possible it should not be called by the decision of all men, the mother and the nurse of all things ?

The following fragments also, from the Treatise of Archytas on Wisdom, are preserved by Iamblichus, in the 3rd Chapter of his *Protreptics*, or Exhortations to Philosophy.

“ Archytas therefore, in the beginning of his Treatise on Wisdom, exhorts to the possession of it as follows :

1. “ Wisdom as much excels in all human affairs as the sight does the [other] corporeal senses, intellect the soul, and the sun the stars. For the sight is the most far-darting, and the most multiform of all the senses ; intellect is the supreme part of the soul, judging by reason and *dianoia* what is fit, and

existing as the sight and power of the most honorable things ; and the sun is the eye and soul of things which have a natural subsistence. For through it all things become visible, are generated, and rise into existence.¹ Deriving also their roots, and being generated from thence, they are nourished, increased and excited by it in conjunction with sense.

2. “ Man was generated by far the wisest of all [terrestrial] animals. For he is able to contemplate the things which exist, and to obtain from all things science and wisdom. To which also it may be added, that divinity has engraved and exhibited in him the system of universal reason, in which all the forms of things in existence are distributed, and the significations of nouns and verbs. For a place is assigned for the sounds of the voice, viz. the pharynx, the mouth, and the nostrils. But as man was generated the instrument of the sounds, through which nouns and verbs are signified, so likewise of the conceptions which are beheld in the things that have an existence. And this appears to me to be the work of wisdom, for the accomplishment of which man was generated and constituted, and received organs and powers from divinity.

3. “ Man was generated and constituted, for the purpose of contemplating the reason of the whole

¹ For νοηται in this place, I read φυεται.

of nature, and in order that, being himself the work of wisdom, he might survey the wisdom of the things which exist.—For if the reason of man is contemplative of the reason of the whole of nature, and the wisdom also of man perceives and contemplates the wisdom of the things in existence,—this being acknowledged, it is at the same time demonstrated, that man is a part of universal reason, and of the whole of the intellectual nature.

4. “ Wisdom is not conversant with a certain definite existing thing, but is simply conversant with all the things that exist. And it is requisite, that it should not first investigate the principles of itself, but the common principles of all beings. For wisdom so subsists with reference to all beings, that it is the province of it to know and contemplate the universal accidents of all things. And on this account wisdom discovers the principles of all beings.

5. “ Whoever, therefore, is able to analyze all the genera which are contained under one and the same principle, and again to compose and con-numerate them, he appears to me to be the wisest of men, and to possess the most perfect veracity. Farther still, he will also have discovered a beautiful place of survey, from which it will be possible to behold divinity, and all things that are in co-ordination with, and successive to him, subsisting

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separately, or distinct from each other.¹ Having likewise entered this most ample road, being impelled in a right direction by intellect, and having arrived at the end of his course, he will have conjoined beginnings with ends, and will know that God is the principle, middle, and end, of all things which are accomplished according to justice and right reason.”²

¹ Neither of the Latin translators North and Arcerius have understood this passage, and therefore have erroneously translated it. For the original is : *και παντα τα εν τα συστοιχεια και ταξει τα εκεινου κατακεχωρισμενα*. This North translates : “*Atque omnia in rerum serie et ordine ab illo separata.*” But Arcerius : “*Atque omnia quæ sunt in naturæ cognatione ordineque ab illo separata.*” By the things however co-ordinate with, and successive to God, Archytas means the other Gods, who, though subordinate to the supreme, yet in consequence of partaking of the same nature, are said to be co-ordinate with him. Gale, likewise, did not perceive the error of the Latin translators.

² Plato says this of God in his Laws.

PYTHAGORIC ETHICAL SENTENCES

FROM

STOBÆUS,

Which are omitted in the Opuscula Mythologica, &c.

of Gale.

Do not even *think* of doing what ought not to be done.

Choose rather to be strong in soul than in body.

Be persuaded that things of a laborious nature contribute more than pleasures to virtue.

Every passion of the soul is most hostile to its salvation.

It is difficult to walk at one and the same time in many paths of life.¹

Pythagoras said, it is requisite to choose the most excellent life ; for custom will make it pleasant. Wealth is an infirm anchor, glory is still more infirm ; and in a similar manner the body,

¹ The above sentences are from Stobæi Sententiæ, p. 3. (the edition that of 1609,) and are ascribed to Pythagoras.

dominion, and honor. For all these are imbecile and powerless. What then are powerful anchors? Prudence, magnanimity, fortitude. These no tempest can shake. This is the law of God, that virtue is the only thing that is strong; and that every thing else is a trifle.

All the parts of human life, in the same manner as those of a statue, ought to be beautiful.

A statue indeed standing on its basis, but a worthy man on the subject of his deliberate choice, ought to be immovable.

Frankincense ought to be given to the Gods, but praise to good men.

It is requisite to defend those who are unjustly accused of having acted injuriously, but to praise those who excel in a certain good.

Neither will the horse be judged to be generous, that is sumptuously adorned, but the horse whose nature is illustrious; nor is the man worthy who possesses great wealth, but he whose soul is generous.

When the wise man opens his mouth, the beauties of his soul present themselves to the view, like the statues in a temple.¹

¹ The above seven sentences are to be found in p. 4. of Stobæus, and as it appears to me are erroneously ascribed to Socrates. For I conceive them to have been written either by Democrates or Demophilus.

Remind yourself that all men assert that wisdom is the greatest good, but that there are few who strenuously endeavour to obtain this greatest good.¹ Pythagoras.

Be sober, and remember to be disposed to believe; for these are the nerves of wisdom. Epicharmus.

It is better to live lying on the grass, confiding in divinity and yourself, than to lie on a golden bed with perturbation.

You will not be in want of any thing, which it is in the power of Fortune to give and take away.²

Despise all those things, which when liberated from the body you will not want; and exercising yourself in those things of which when liberated from the body you will be in want, invoke the Gods to become your helpers.³

Neither is it possible to conceal fire in a garment, nor a base deviation from rectitude in time.

Wind indeed increases fire, but custom love.⁴

¹ Stob. p. 48.

² Hence the dogma of the Stoics derived its origin, that the wise man is independent of Fortune.

³ Stob. p. 65. These three sentences are ascribed to Pythagoras.

⁴ Stob. p. 80. These two sentences are ascribed to Socrates, but I have no doubt originally formed a part of the sentences of Demophilus.

Those alone are dear to divinity, who are hostile to injustice.¹

Those things which the body necessarily requires, are easily to be procured by all men, without labor and molestation; but those things to the attainment of which labor and molestation are requisite, are objects of desire, not to the body, but to depraved opinion. Aristoxenus Pythag. Stob. p. 132.

Of desire also, he [i. e. Pythagoras] said as follows: This passion is various, laborious, and very multiform. Of desires however, some are acquired and adventitious, but others are connascent. But he defined desire itself to be a certain tendency and impulse of the soul, and an appetite of a plenitude or presence of sense, or of an emptiness and absence of it, and of non-perception. He also said, that there are three most known species of erroneous and depraved desire, viz. the indecorous, the incommensurate, and the unseasonable. For desire is either immediately indecorous, troublesome, and illiberal; or it is not absolutely so, but is more vehement and lasting than is fit. Or in the third place, it is impelled when it is not proper, and to objects to which it ought not to tend. Ex Aristoxeni Pythag. Sententiis. Stob. p. 132.

¹ Stob. p. 104. This sentence is ascribed to Democritus in Stobæus, but has doubtless either Democrates or Demophilus for its author.

Endeavour not to conceal your errors by words, but to remedy them by reproofs. Pythagoras. Stob. p. 146.

It is not so difficult to err, as not to reprove him who errs. Pythagoras. Stob. p. 147.

As a bodily disease cannot be healed, if it is concealed, or praised; thus also, neither can a remedy be applied to a diseased soul, which is badly guarded and protected. Pythagoras. Stob. p. 147.

The grace of freedom of speech, like beauty in season, is productive of greater delight.

It is not proper either to have a blunt sword, or to use freedom of speech ineffectually.

Neither is the sun to be taken from the world, nor freedom of speech from erudition.

As it is possible for one who is clothed with a sordid robe, to have a good habit of body; thus also he whose life is poor may possess freedom of speech.¹

Be rather delighted with those that reprove, than with those that flatter you; but avoid flatterers, as worse than enemies. Pythagoras. Stob. p. 149.

The life of the avaricious resembles a funeral banquet. For though it has all things [requisite to

¹ Stob. p. 147. The above four sentences, are in Stobæus ascribed to Socrates; but I refer them either to Democrates or Demophilus.

a feast,] yet no one present rejoices. Stob. p. 155.¹

Acquire continence as the greatest strength and wealth. Pythagoras. Stob. p. 156.

“Not frequently man from man,” is one of the exhortations of Pythagoras; by which he obscurely signifies, that it is not proper to be frequently engaged in venereal connexions. Stob. p. 156.

It is impossible that he can be free who is a slave to his passions. Pythagoras. Stob. 165.

Pythagoras said, that intoxication is the meditation of insanity. Stob. p. 165.

Pythagoras being asked, how a lover of wine might be cured of intoxication, answered, if he frequently surveys what his actions were when he was intoxicated. Stob. p. 165.

Pythagoras said, that it was either requisite to be silent, or to say something better than silence. Stob. p. 215.

Let it be more eligible to you to throw a stone in vain, than to utter an idle word. Pythagoras. Stob. p. 215.

Do not say a few things in many words, but

¹ This sentence in Stobæus is ascribed to Socrates, as is also the one which immediately precedes it, viz. “The wealth of the avaricious man, like the sun descending under the earth, delights no living thing.” But as this sentence is to be found among the Similitudes of Demophilus, there can be no doubt of the other belonging to the same work.

much in a few words. Pythagoras. Stob. p. 216.

Genius is to men either a good or an evil dæmon. Epicharmus. Stob. p. 220.

Pythagoras being asked, how a man ought to conduct himself towards his country, when it had acted iniquitously with respect to him, replied, as to a mother. Stob. p. 227.

Travelling teaches a man frugality, and the way in which he may be sufficient to himself. For bread made of milk and flower, and a bed of grass, are the sweetest remedies of hunger and labor.

To the wise man every land is eligible as a place of residence; for the whole world is the country of the worthy soul.¹ Stob. p. 231.

Pythagoras said, that luxury entered into cities in the first place, afterwards satiety, then lascivious insolence, and after all these destruction. Stob. p. 247.

Pythagoras said, that of cities that was the best, which contained worthy men. Stob. p. 247.

Do those things which you judge to be beautiful, though in doing them you should be without renown. For the rabble is a bad judge of a good thing. [Despise therefore the reprehension of

¹ This and the preceding sentence, are in Stobæus ascribed to Democritus, but I attribute them to Democrates or Demophilus.

those whose praise you despise.] Demophilus. Stob. p. 310.¹

Those that do not punish bad men, wish that good men may be injured. Pythagoras. Stob. p. 321.

It is not possible for a horse to be governed without a bridle, or riches without prudence. Pythagoras. Stob. p. 513.

It is the same thing to think greatly of yourself in prosperity, as to contend in the race in a slippery road. Stob. p. 563.

There is not any gate of wealth so secure, which the opportunity of Fortune may not open. Stob. p. 563.²

Expel by reasoning the unrestrained grief of a torpid soul. Stob. p. 572.

It is the province of a wise man to bear poverty with equanimity. Stob. p. 572.³

¹ This sentence in Stobæus is ascribed to Pythagoras, but, excepting the part within the brackets, is to be found among the sentences of Demophilus.

² This sentence in Stobæus, is ascribed to Democritus, and that immediately preceding it, to Socrates; but I ascribe both of them to Democrates, or Demophilus.

³ This and the preceding sentences, together with two other sentences that accompany them, are in Stobæus ascribed to Democritus; but as the other two are to be found in the Collection of Democrates, there can be no doubt that all of them are from the same author.

Spare your life, lest you consume it with sorrow and care. Pythagoras. Stob. p. 616.

Nor will I be silent as to this particular, that it appeared both to Plato and Pythagoras, that old age was not to be considered with reference to an egress from the present life, but to the beginning of a blessed life. From Phavorinus on Old Age. Stob. p. 585.

The two following extracts are from Clemens Alexandrinus in Stromat. lib. 3. p. 413.

The ancient theologists and priests testify that the soul is conjoined to the body through a certain punishment, and that it is buried in this body as in a sepulchre. Philolaus.

Whatever we see when awake is death; and when asleep, a dream. Pythagoras.

SELECT SENTENCES
OF
SEXTUS THE PYTHAGOREAN.

To neglect things of the smallest consequence, is not the least thing in human life.

The wise man, and the despiser of wealth, resembles God.

Do not investigate the name of God, because you will not find it. For every thing which is called by a name, receives its appellation from that which is more worthy than itself,¹ so that it is one

¹ For as every cause of existence to a thing, is better than that thing, so far as the one is cause and the other effect; thus also that which gives a name to any thing is better than the thing named, so far as it is named, i. e. so far as pertains to its possession of a name. For the nominator is the cause, and the name the effect.

person that calls, and another that hears. Who is it, therefore, that has given a name to God? God, however, is not a name to God, but an indication of what we conceive of him.

God is a light incapable of receiving its contrary [darkness.]

You have in yourself something similar to God, and therefore use yourself as the temple of God, on account of that which in you resembles God.

Honor God above all things, that he may rule over you.

Whatever you honor above all things, that which you so honor will have dominion over you. But if you give yourself to the domination of God, you will thus have dominion over all things.

The greatest honor which can be paid to God, is to know and imitate him.

There is not any thing, indeed, which wholly resembles God; nevertheless the imitation of him as much as possible by an inferior nature is grateful to him.

God, indeed, is not in want of any thing, but the wise man is in want of God alone. He, therefore, who is in want but of few things, and those necessary, emulates him who is in want of nothing.

Endeavour to be great in the estimation of divinity, but among men avoid envy.

The wise man whose estimation with men was

but small while he was living, will be renowned when he is dead.

Consider all the time to be lost to you in which you do not think of divinity.

A good intellect is the choir of divinity.

A bad intellect is the choir of evil dæmons.

Honor that which is just, on this very account that it is just.

You will not be concealed from divinity when you act unjustly, nor even when you think of acting so.

The foundation of piety is continence; but the summit of piety is the love of God.

Wish that what is expedient and not what is pleasing may happen to you.

Such as you wish your neighbour to be to you, such also be you to your neighbours.

That which God gives you, no one can take away.

Neither do nor even think of that which you are not willing God should know.

Before you do any thing think of God, that his light may precede your energies.

The soul is illuminated by the recollection of deity.

The use of all animals as food is indifferent, but it is more rational to abstain from them.

God is not the author of any evil.

You should not possess more than the use of the body requires.

Possess those things which no one can take from you.

Bear that which is necessary, as it is necessary.

Ask those things of God which it is worthy of God to bestow.

The reason which is in you, is the light of your life.

Ask those things of God, which you cannot receive from man.

Wish that those things which labor ought to precede, may be possessed by you after labor.

Be not anxious to please the multitude.

It is not proper to despise those things of which we shall be in want after the dissolution¹ of the body.

You should not ask of divinity that which, when you have obtained, you will not perpetually possess.

Accustom your soul after [it has conceived all that is great of] divinity, to conceive something great of itself.

Esteem nothing to be precious, which a bad man may take from you.

He is dear to divinity, who considers those

¹ In the Latin it is "post *dispositionem* corporis." But for *dispositionem* it is evidently necessary to read *dissolutionem*.

things alone to be precious, which are esteemed to be so by divinity.

Every thing which is more than necessary to man, is hostile to him.

He who loves that which is not expedient, will not love that which is expedient.

The intellect of the wise man is always with divinity.

God dwells in the intellect of the wise man.

Every desire is insatiable, and therefore is always in want.

The wise man is always similar to himself.

The knowledge and imitation of divinity, are alone sufficient to beatitude.

Use lying as poison.

Nothing is so peculiar to wisdom as truth.

When you preside over men, remember that divinity also presides over you.

Be persuaded that the end of life, is to live conformably to divinity.

Depraved affections are the beginnings of sorrows.

An evil disposition is the disease of the soul; but injustice and impiety are the death of it.

Use all men in such a way, as if you were the common curator of all things after God.

He who uses mankind badly, uses himself badly.

Wish that you may be able to benefit your enemies.

Endure all things, in order that you may live conformably to God.

By honoring a wise man, you will honor yourself.

In all your actions place God before your eyes.¹

You are permitted to refuse matrimony, in order that you may live incessantly adhering to God.² If, however, as one knowing the battle, you are willing to fight, take a wife, and beget children.

To live, indeed, is not in our power, but to live rightly is.

Be unwilling to admit accusations against the man who is studious of wisdom.

If you wish to live with hilarity, be unwilling to do many things. For in a multitude of actions you will be minor.

Every cup should be sweet to you which extinguishes thirst.

Fly from intoxication as you would from insanity.

No good originates from the body.

¹ This is conformable to the well-known Pythagoric precept, "Follow God."

² "We can by no other means," (says Porphyry De Abstin. lib. I.) "obtain the true end of a contemplative intellectual life than by *adhering* to God, if I may be allowed the expression, as if fastened by a nail, at the same time being torn away and separated from body and corporeal delights; having procured safety from our deeds, and not from the mere attention to words."

Think that you suffer a great punishment when you obtain the object of corporeal desire ; for the attainment of such objects never satisfies desire.

Invoke God as a witness to whatever you do.

The bad man does not think there is a providence.

Assert that which possesses wisdom in you, to be the [true] man.¹

The wise man participates of God.

Where that which is wise in you resides, there also is your good.

That which is not noxious to the soul, is not noxious to man.

He who unjustly expels a wise man from the body, confers a benefit on him by his iniquity. For he thus becomes liberated as it were, from bonds.

The fear of death renders a man sad through the ignorance of his soul.

You will not possess intellect, till you understand that you have it.

Think that your body is the garment of your soul ; and therefore preserve it pure.

Impure dæmons vindicate to themselves the impure soul.

Speak not of God to every man.

It is dangerous, and the danger is not small, to speak of God even things which are true.

¹ But intellect is the recipient of wisdom, and therefore intellect is the true man. This also is asserted by Aristotle.

A true assertion respecting God, is an assertion of God.

You should not dare to speak of God to the multitude.

He does not know God who does not worship him.

The man who is worthy of God is also a God among men.

It is better to have nothing, than to possess much and impart it to no one.

He who thinks that there is a God, and that nothing is taken care of by him, differs in no respect from him who does not believe that there is a God.

He honors God in the best manner who renders his intellect as much as possible similar to God.

If you injure no one, you will fear no one.

No one is wise who looks downward to the earth.

To lie is to deceive in life, and to be deceived.

Recognise what God is, and what that is in you which recognises God.

It is not death, but a bad life, that destroys the soul.

If you know him by whom you were made, you will know yourself.

It is not possible for a man to live conformable

to divinity, unless he acts modestly, well, and justly.

Divine wisdom is true science.

You should not dare to speak of God to an impure soul.

The wise man follows God, and God follows the soul of the wise man.

A king rejoices in those whom he governs, and therefore God rejoices in the wise man. He who governs likewise, is inseparable from those whom he governs; and therefore God is inseparable from the soul of the wise man, which he defends and governs.

The wise man is governed by God, and on this account is blessed.

A scientific knowledge of God causes a man to use few words.

To use many words when speaking of God, produces an ignorance of God.

The man who possesses a knowledge of God, will not be very ambitious.

The erudite,¹ chaste, and wise soul, is the prophet of the truth of God.

¹ In the Latin *fidelis*; but as Ruffinus, the Latin translator of these sentences, frequently adulterates the true meaning of Sextus, by substituting one word for another, I have no doubt that in this sentence the original was *παιδευμενος eruditus*, and not *πιστος fidelis*. My reason for so thinking is, that in

Accustom yourself always to look to Divinity.
A wise intellect is the mirror of God.

one of the sentences of Demophilus it is said, "that the life of *ignorant* men is a disgrace," τῶν ἀμαθῶν ονειδος εἶναι τὸν βίον; and this in the sentences of Sextus is, "Hominum *infidelium* vita, opprobrium est." If, therefore, Ruffinus translates ἀμαθῶν, *infidelium*, there is every reason to suppose that he would translate πεπαιδευμενος, *fidelis*.

PYTHAGORIC SENTENCES,
FROM THE
PROTREPTICS OF IAMBlichus.¹

As we live through soul, it must be said that by the virtue of this we live well ; just as because we see through the eyes, we see well through the virtue of these.

It must not be thought that gold can be injured by rust, or virtue by haseness.

We should betake ourselves to virtue as to an inviolable temple, in order that we may not be exposed to any ignoble insolence of soul with respect to our communion with, and continuance in life.

We should confide in Virtue as in a chaste wife ; but trust to Fortune as to an inconstant mistress.

¹ Several of these sentences as published by Arcerius, are in a very defective state ; but which, as the learned reader will perceive, I have endeavoured to amend in my translation of them.

It is better that virtue should be received accompanied with poverty, than wealth with violence ; and frugality with health, than veracity with disease.

An abundance of nutriment is noxious to the body ; but the body is preserved when the soul is disposed in a becoming manner.

It is equally dangerous to give a sword to a madman, and power to a depraved man.

As it is better for a part of the body which contains purulent matter to be burnt, than to continue in the state in which it is, thus also it is better for a depraved man to die than to live.

The theorems of philosophy are to be enjoyed as much as possible, as if they were ambrosia and nectar. For the pleasure arising from them is genuine, incorruptible, and divine. They are also capable of producing magnanimity ; and though they cannot make us eternal beings, yet they enable us to obtain a scientific knowledge of eternal natures.

If vigor of sensation is considered by us to be an eligible thing, we should much more strenuously endeavour to obtain prudence ; for it is as it were the sensitive vigor of the practical intellect which we contain. And as through the former we are not deceived in sensible perceptions, so through the latter we avoid false reasoning in practical affairs.

We shall venerate Divinity in a proper manner,

if we render the intellect that is in us pure from all vice, as from a certain stain.

A temple, indeed, should be adorned with gifts, but the soul with disciplines.

As the lesser mysteries are to be delivered before the greater, thus also discipline must precede philosophy.

The fruits of the earth, indeed, are annually imparted, but the fruits of philosophy at every part of the year.

As land is especially to be attended to by him who wishes to obtain from it the most excellent fruit, thus also the greatest attention should be paid to the soul, in order that it may produce fruit worthy of its nature.

ADDITIONAL NOTES.

ADDITIONAL NOTES.

P. 50. *BETTER worth saving than ten thousand corporeal eyes.*

Iamblichus here alludes to what Plato says in the seventh book of his Republic, respecting the mathematical disciplines. For he there says, “that the soul through these disciplines has an organ purified and enlightened, which is blinded and buried by studies of another kind, an organ better worth saving than ten thousand eyes, since truth becomes visible through this alone.”

P. 58. *That in which the Sirens subsist.*

“The divine Plato, (says Proclus in his MS. Scholia on the Cratylus,) knew that there are three kinds of Sirens; the *celestial*, which is under

the government of Jupiter ; *that which produces generation*, and is under the government of Neptune ; and *that which is cathartic*, and is under the government of Pluto. It is common to all these to incline all things through an harmonic motion to their ruling Gods. Hence, when the soul is in the heavens, the Sirens are desirous of uniting it to the divine life which flourishes there. But it is proper that souls living in generation should sail beyond them, like the Homeric Ulysses, that they may not be allured by generation, of which the sea is an image. And when souls are in Hades, the Sirens are desirous of uniting them through intellectual conceptions to Pluto. So that Plato knew that in the kingdom of Hades there are Gods, dæmons, and souls, who dance as it were round Pluto, allured by the Sirens that dwell there." See more concerning the Sirens in my translation of Proclus on the Theology of Plato, Book the 6th.

P. 60. *That it is requisite to put the shoe on the right foot first.*

This audition is taken from what forms the 12th Symbol in the Protreptics of Iamblichus, and is as follows : " When stretching forth your feet to have your sandals put on, first extend your right foot ; but when about to use a foot bath, first extend your

left foot." "This Symbol, (says Iamblichus,) exhorts to practical prudence, admonishing us to place worthy actions about us as right-handed; but entirely to lay aside and throw away such as are base, as being left-handed."

P. 60. *That it is not proper to walk in the public ways.*

This is the 5th Symbol in the Protreptics of Iamblichus, but is there differently expressed: for it is, "Declining from the public ways, walk in unfrequented paths." On which Iamblichus observes: "I think that this Symbol also contributes to the same thing as the preceding, [which is, "Disbelieve nothing wonderful concerning the Gods, nor concerning divine dogmas"]. For this exhorts us to abandon a popular and merely human life; but thinks fit that we should pursue a separate and divine life. It also signifies that it is necessary to look above common opinions; but very much to esteem such as are private and arcane; and that we should despise merely human delight; but ardently pursue that felicitous mode of conduct which adheres to the divine will. It likewise exhorts us to dismiss human manners as popular, and to exchange for these the religious cultivation of the Gods, as transcending a popular life.

P. 61. *Do not assist a man in laying a burden down.*

This in the Protreptics is the 11th Symbol, and is explained by Iamblichus as follows: "This Symbol exhorts to fortitude; for whoever takes up a burden, signifies that he undertakes an action of labor and energy; but he who lays one down, of rest and remission. So that the Symbol has the following meaning: Do not become either to yourself or another the cause of an indolent and effeminate mode of conduct; for every useful thing is acquired by labor. But the Pythagoreans celebrate this Symbol as Herculean, thus denominating it from the labors of Hercules. For during his association with men, he frequently returned from fire and every thing dreadful, indignantly rejecting indolence. For rectitude of conduct is produced from acting and operating, but not from sluggishness."

P. 61. *Do not draw near to a woman for the sake of begetting children, if she has gold.*

In the Protreptics of Iamblichus (Symbol 35.) this is expressed as follows: "Draw not near to that which has gold, in order to produce children."

On which Iamblichus observes : “ The Symbol does not here speak of a woman, but of that sect and philosophy which has much of the corporeal in it, and a gravitating tendency downwards. For gold is the heaviest of all things in the earth, and pursues a tendency to the middle, which is the peculiarity of corporeal weight. But the term to *draw near*, not only signifies to be connected with, but always to approach towards, and to be seated near another.”

P. 61. *Speak not about Pythagoric concerns without light.*

This is the 13th Symbol in the Protreptics, and is thus explained by Iamblichus : “ This Symbol exhorts to the possession of intellectual prudence. For this is similar to the light of the soul, to which being indefinite it gives bound, and leads, as it were, from darkness into light. It is proper, therefore, to place intellect as the leader of every thing beautiful in life, but especially in Pythagoric dogmas ; for these cannot be known without light.”

P. 61. *Wear not the image of God in a ring.*

This in the Protreptics is the 24th Symbol ; but instead of *wear*, it is there *inscribe*. But Iam-

blichus' explanation of it is as follows : " This Symbol, conformably to the foregoing conception, employs the following exhortation : Philosophize, and before every thing consider the Gods as having an incorporeal subsistence. For this is the most principal root of the Pythagoric dogmas, from which nearly all of them are suspended, and by which they are strengthened even to the end. Do not therefore think that the Gods use such forms as are corporeal, or that they are received by a material subject, and by body as a material bond, like other animals. But the engravings in rings exhibit the bond which subsists through the ring, its corporeal nature and sensible form, and the view as it were of some partial animal, which becomes apparent through the engraving ; from which especially we should separate the genus of the Gods, as being eternal and intelligible, and always subsisting according to the same and in a similar manner, as we have particularly, most fully, and scientifically shown in our treatise concerning the Gods." ¹

P. 61. *Nor is it proper to sacrifice a white cock ; for this also is a suppliant, and is sacred to the moon.*

In the Protreptics, the 18th Symbol is partly the same with, and partly different from this. For it

¹ This work is unfortunately lost.

is, “Nourish a cock; but sacrifice it not; for it is sacred to the sun and the moon.” And Iamblichus explains it as follows: This Symbol advises us to nourish and strengthen the body and not neglect it, dissolving and destroying the mighty tokens of the union, connexion, sympathy, and consent of the world. So that it exhorts us to engage in the contemplation and philosophy of the universe. For though the truth concerning the universe is naturally occult, and sufficiently difficult of investigation, it must, however, at the same time, be inquired into and investigated by man, and especially through philosophy. For it is truly impossible to be discovered through any other pursuit. But philosophy receiving certain sparks, and as it were viatica, from nature, excites and expands them into magnitude, rendering them more conspicuous through the disciplines which it possesses. Hence, therefore, we should philosophize.”

P. 61. *It is proper to sacrifice, and to enter temples, unshod.*

This in the Protreptics is the 3rd Symbol; but is thus enunciated by Iamblichus, “Sacrifice and adore unshod.” On which Iamblichus observes: “This Symbol signifies that we ought to worship the Gods, and acquire a knowledge of them in an *Iam*.
T

orderly and modest manner, and in a way not surpassing our condition on the earth. It also signifies that in worshipping them, and acquiring this knowledge, we should be free from bonds, and properly liberated. But the Symbol exhorts that sacrifice and adoration should be performed not only in the body, but also in the energies of the soul ; so that these energies may neither be detained by passions, nor by the imbecility of the body, nor by generation, with which we are externally surrounded. But every thing pertaining to us should be properly liberated, and prepared for the participation of the Gods."

P. 77. *Enter not into a temple negligently, nor, in short, adore carelessly, not even though you should stand at the very doors themselves.*

This in the Protreptics is the 2nd Symbol, and is explained by Iamblichus as follows : " If the similar is friendly and allied to the similar, it is evident that since the Gods have a most principal essence among wholes, we ought to make the worship of them a principal object. But he who does this for the sake of any thing else, gives a secondary rank to that which takes the precedence of all things, and subverts the whole order of religious worship and knowledge. Besides, it is not proper to rank illus-

trious goods in the subordinate condition of human utility, nor to place our concerns in the order of an end, but things more excellent, whether they be works or conceptions, in the condition of an appendage."

P. 79. *These, therefore, he ordered not to eat the heart.*

This is the 30th Symbol in the Protreptics, and is thus explained by Iamblichus: "This Symbol signifies that it is not proper to divulse the union and consent of the universe. And still further, it signifies this, Be not envious, but philanthropic, and communicative: and from this it exhorts us to philosophize. For philosophy alone among the sciences and arts, is neither pained with the goods of others, nor rejoices in the evils of neighbours, these being allied and familiar by nature, subject to the like passions, and exposed to one common fortune. It likewise evinces that the future is equally unlooked for by all men. Hence, it exhorts us to sympathy and mutual love, and to be truly communicative, as it becomes rational animals."

P. 79. *Nor the brain.*

This is the 31st Symbol in the Protreptics, and which Iamblichus thus explains: "This Symbol also resembles the former: for the brain is the ruling instrument of intellectual prudence. The Symbol, therefore, obscurely signifies that we ought not to dilacerate nor mangle things and dogmas, which have been the objects of judicious deliberation. But these will be such as have been the subject of intellectual consideration, becoming thus equal to objects of a scientific nature. For things of this kind are to be surveyed, not through the instruments of the irrational form of the soul, such as the heart and the liver; but through the pure rational nature. Hence, to dilacerate these by opposition, is inconsiderate folly; but the Symbol rather exhorts us to venerate the fountain of intelligence, and the most proximate organ of intellectual perception, through which we shall possess contemplation, science, and wisdom; and by which we shall truly philosophize, and neither confound nor obscure the vestiges which philosophy produces."

P. 79. *To abstain from mallows, &c.*

The 38th Symbol in the Protreptics is : “ Transplant mallows in your garden, but eat them not.” On which Iamblichus observes as follows : “ This Symbol obscurely signifies that plants of this kind turn with the sun, and it thinks fit that this should be noticed by us. It also adds, *transplant*, that is to say, observe its nature, its tendency towards, and sympathy with, the sun ; but rest not satisfied, nor dwell upon this, but transfer, and as it were transplant your conception to kindred plants and pot-herbs, and also to animals which are not kindred, to stones and rivers, and, in short, to natures of every kind. For you will find them to be prolific and multiform, and admirably abundant ; and this to one who begins from the mallows, as from a root and principle, is significant of the union and consent of the world. Not only, therefore, do not destroy or obliterate observations of this kind ; but increase and multiply them as if they were transplanted.”

P. 80. *Thus too he ordered them to abstain from the fish Melanurus.*¹

The 6th Symbol in the Protreptics is, “Abstain from melanurus; for it belongs to the terrestrial Gods.” And this, according to Iamblichus, admonishes us to embrace the celestial journey, to conjoin ourselves to the intellectual Gods, to become separated from a material nature, and to be led as it were in a circular progression to an immaterial and pure life. It further exhorts us to adopt the most excellent worship of the Gods, and especially that which pertains to the primary² Gods.”

P. 80. *And also not to receive the fish Erythynus.*

This in the Protreptics is the 33rd Symbol, and which Iamblichus thus explains: “This Symbol seems to be merely referred to the etymology of the

¹ According to Ælian and Suidas also, *melanurus* is a fish; but as the word signifies that which has a black termination, it is very appropriately used as a symbol of a material nature.

² viz. Those Gods that are characterized by the *intelligible*, and *intellect*. See my translation of Proclus, On the Theology of Plato.

name. Receive not an unblushing and impudent man ; nor on the contrary one stupidly astonished, and who in every thing blushes, and is humble in the extreme, through the imbecility of his intellect and reasoning power. Hence this also is understood, Be not yourself such a one."

P. 80. *He likewise exhorted them to abstain from beans.*

In the Protreptics this is the 37th Symbol ; and Iamblichus has not developed for us the more mystical signification of this symbol. For he only says that " it admonishes us to beware of every thing which is corruptive of our converse with the Gods and divine prophecy." But Aristotle appears to have assigned the true mystical reason why the Pythagoreans abstained from beans. For he says, (apud Laert.) " that Pythagoras considered beans as a symbol of generation [i. e. of the whole of a visible and corporeal nature,] which subsists according to a right line, and is without inflection ; because a bean alone of almost all spermatic plants, is perforated through the whole of it, and is not obstructed by any intervening joints." Hence he adds, " it resembles the gates of Hades." For these are perpetually open without any impediment to souls descending into generation. The exhortation,

therefore, to abstain from beans, is equivalent to admonishing us to beware of a continued and perpetual descent into the realms of generation. Hence the true meaning of the following celebrated lines in Virgil :

————— facilis descensus Averno.

Noctes atque dies patet atri janua Ditis :

Sed revocare gradum, superasque evadere ad auras,
Hoc opus, hic labor est.

i. e.

The gates of Hell are open night and day,
Smooth the descent, and easy is the way ;
But to return, and view the cheerful skies,
In this, the mighty task and labor lies.

DRYDEN.

P. 98. *Such as infallible predictions of earthquakes, rapid expulsions of pestilence, &c. &c.*

Since Pythagoras, as Iamblichus informs us, p. 9. was initiated in all the mysteries of Byblus and Tyre, in the sacred operations of the Syrians, and in the mysteries of the Phœnicians, and also (p. 12.) that he spent two and twenty years in the adyta of temples in Egypt, associated with the Magi in Babylon, and was instructed by them in their venerable knowledge ;—it is not at all wonder-

ful that he was skilled in magic or theurgy, and was therefore able to perform things which surpass *merely human power*, and which appear to be perfectly incredible to the vulgar. For “magic,” (as we learn from Psellus in his MS. treatise on Dæmons) “formed the last part of the sacerdotal science.” He farther likewise informs us, “that magic investigates the nature, power, and quality of every thing sublunary ; viz. of the elements and their parts, of animals, all-various plants, and their fruits, of stones, and herbs : and in short, it explores the essence and power of every thing. From hence, therefore, it produces its effects. And it forms statues which procure health, makes all-various figures, and things which become the instruments of disease. It asserts too, that eagles and dragons contribute to health ; but that cats, dogs, and crows, are symbols of vigilance, to which therefore they contribute. But for the fashioning of certain parts, wax and clay are used. Often, too, celestial fire is made to appear through magic ; and then statues laugh, and lamps are spontaneously enkindled.” See the original in the Notes to my Pausanias, p. 325. And that theurgy was employed by the ancients in their mysteries, I have fully proved in my treatise *On the Eleusinian and Bacchic Mysteries*.¹

¹ See the second edition of this work in Nos. 15 and 16 of the Pamphleteer.

Conformably to this, Plato also in the First Alcibiades says, that the magic of Zoroaster consisted in the worship of the Gods, on which passage, I shall present the reader with what I have said, in the first volume of my Plato, p. 63, as it will enable him to see that the theurgy of the ancients is founded in a theory equally scientific and sublime.

“ The following account of magic by Proclus, originally formed, as it appears to me, a part of the Commentary written by him on the present passage. For the MS. Commentary of Proclus, which is extant on this dialogue, does not extend to more than a third part of it ; and this Dissertation on Magic, which is only extant in Latin, was published by Ficinus the translator, immediately after his Excerpta from this Commentary. So that it seems highly probable, that the manuscript from which Ficinus translated his Excerpta, was much more perfect, than that which has been preserved to us, in consequence of containing this account of the magic of the ancients.

“ In the same manner as lovers gradually advance from that beauty which is apparent in sensible forms, to that which is divine ; so the ancient priests, when they considered that there is a certain alliance and sympathy in natural things to each other, and of things manifest to occult powers, and discovered that all things subsist in all, they fabricated a sacred science from this mutual sympathy

and similarity. Thus they recognized things supreme in such as are subordinate, and the subordinate in the supreme: in the celestial regions, terrene properties subsisting in a causal and celestial manner; and in earth celestial properties, but according to a terrene condition. For how shall we account for those plants called heliotropes, that is, attendants on the sun, moving in correspondence with the revolution of its orb, but selenitropes, or attendants on the moon, turning in exact conformity to her motion? It is because all things pray, and hymn the leaders of their respective orders; but some intellectually, and others rationally; some in a natural, and others after a sensible manner. Hence the sun-flower, as far as it is able, moves in a circular dance towards the sun; so that if any one could hear the pulsation made by its circuit in the air, he would perceive something composed by a sound of this kind, in honor of its king, such as a plant is capable of framing. Hence, too, we may behold the sun and moon in the earth, but according to a terrene quality; but in the celestial regions, all plants, and stones, and animals, possessing an intellectual life according to a celestial nature. Now the ancients, having contemplated this mutual sympathy of things, applied for occult purposes, both celestial and terrene natures, by means of which, through a certain similitude, they deduced divine virtues into this inferior abode.

For, indeed, similitude itself is a sufficient cause of binding things together in union and consent. Thus, if a piece of paper is heated, and afterwards placed near a lamp, though it does not touch the fire, the paper will be suddenly inflamed, and the flame will descend from the superior to the inferior parts. This heated paper we may compare to a certain relation of inferiors to superiors ; and its approximation to the lamp, to the opportune use of things according to time, place, and matter. But the procession of fire into the paper, aptly represents the presence of divine light, to that nature which is capable of its reception. Lastly, the inflammation of the paper may be compared to the deification of mortals, and to the illumination of material natures, which are afterwards carried upwards like the enkindled paper, from a certain participation of divine seed.

“ Again, the lotus, before the rising of the sun, folds its leaves into itself, but gradually expands them on its rising : unfolding them in proportion to the sun’s ascent to the zenith ; but as gradually contracting them, as that luminary descends to the west. Hence this plant, by the expansion and contraction of its leaves, appears no less to honor the sun, than men by the gesture of their eye-lids, and the motion of their lips. But this imitation and certain participation of supernal light, is not only visible in plants, which possess nothing more

than a vestige of life, but likewise in particular stones. Thus the sun-stone, by its golden rays, imitates those of the sun ; but the stone called the eye of heaven, or of the sun, has a figure similar to the pupil of an eye, and a ray shines from the middle of the pupil. Thus too the lunar stone, which has a figure similar to the moon when horned, by a certain change of itself, follows the lunar motion. Lastly, the stone called helioselenus, i. e. of the sun and moon, imitates, after a manner, the congress of those luminaries, which it images by its color. So that all things are full of divine natures ; terrestrial natures receiving the plenitude of such as are celestial, but celestial of supercelestial essences ;¹ while every order of things proceeds gradually in a beautiful descent from the highest to the lowest. For whatever particulars are collected into one above the order of things, are afterwards dilated in descending, various souls being distributed under their various ruling divinities.

“ In the next place, there are many solar animals, such as lions and cocks, which participate, according to their nature, of a certain solar divinity ; whence it is wonderful how much inferiors yield to superiors in the same order, though they do not yield in magnitude and power. Hence it is said, that a cock is very much feared, and as it

¹ i. e. Natures which are not connected with body.

were revered, by a lion ; the reason of which we cannot assign from matter or sense, but from the contemplation alone of a supernal order. For thus we shall find that the presence of the solar virtue accords more with a cock than with a lion. This will be evident from considering that the cock, as it were, with certain hymns, applauds and calls to the rising sun, when he bends his course to us from the antipodes ; and that solar angels sometimes appear in forms of this kind, who though they are without shape, yet present themselves to us who are connected with shape, in some sensible form. Sometimes too there are dæmons with a leonine front, who, when a cock is placed before them, unless they are of a solar order, suddenly disappear ; and this, because those natures which have an inferior rank in the same order, always reverence their superiors ; just as many, on beholding the images of divine men, are accustomed, from the very view, to be fearful of perpetrating any thing base.

“ In fine, some things turn round correspondent to the revolutions of the sun, as the plants which we have mentioned, and others after a manner imitate the solar rays, as the palm and the date ; some the fiery nature of the sun, as the laurel ; and others a different property. For, indeed, we may perceive that the properties which are collected in the sun, are every where distributed to subse-

quent natures constituted in a solar order ; that is, to angels, dæmons, souls, animals, plants, and stones. Hence the authors of the ancient priesthood discovered from things apparent, the worship of superior powers, while they mingled some things and purified others. They mingled many things indeed together, because they saw that some simple substances possessed a divine property (though not taken singly) sufficient to call down that particular power, of which they were participants. Hence, by the mingling of many things together, they attracted upon us a supernal influx ; and by the composition of one thing from many, they produced an assimilation to that one which is above many ; and composed statues from the mixture of various substances conspiring in sympathy and consent. Besides this, they collected composite odours, by a divine art, into one, comprehending a multitude of powers, and symbolizing with the unity of a divine essence ; considering that division debilitates each of these, but that mingling them together, restores them to the idea of their exemplar.

“ But sometimes one herb, or one stone, is sufficient to a divine operation. Thus, a thistle is sufficient to procure the sudden appearance of some superior power ; but a laurel, *raccinum*, (or a thorny kind of spig) the land and sea onion, the coral, the diamond, and the jasper, operate as a

safeguard. The heart of a mole is subservient to divination, but sulphur and marine water to purification. Hence, the ancient priests, by the mutual relation and sympathy of things to each other, collected their virtues into one, but expelled them by repugnancy and antipathy; purifying when it was requisite with sulphur and bitumen, and sprinkling with marine water. For sulphur purifies, from the sharpness of its odour; but marine water, on account of its fiery portion. Besides this, in the worship of the Gods, they offered animals, and other substances congruous to their nature; and received, in the first place, the powers of dæmons, as proximate to natural substances and operations; and by these natural substances they convoked into their presence those powers to which they approached. Afterwards, they proceeded from dæmons to the powers and energies of the Gods; partly, indeed, from dæmoniacal instruction, but partly by their own industry, interpreting convenient symbols, and ascending to a proper intelligence of the Gods. And lastly, laying aside natural substances and their operations, they received themselves into the communion and fellowship of the Gods."

It will doubtless be objected by most of the present period, who believe in nothing beyond the information of their senses, that plants, animals, and stones, no longer possess those wonderful sympa-

thetic powers, which are mentioned by Proclus in the above extract. In answer to any such objector, whose *little* soul, (in the language of the Emperor Julian) is indeed acute, but sees nothing with a vision healthy and sound, it must be said, that this is not at all wonderful at a period, when, as the author of the Asclepian dialogue justly observes, “there is a lamentable departure of divinity from man, when nothing worthy of heaven, or celestial concerns, is heard or believed, and when every divine voice is by a *necessary* silence dumb.”[†] But to the philosophic reader, it must be observed, that as in the realms of generation, or in other words, the sublunary region, wholes, viz. the spheres of the different elements, remain perpetually according to nature; but their parts are sometimes according, and sometimes contrary to nature; this must also be true of the parts of the earth. When those circulations therefore take place, during which the parts of the earth subsist according to nature, and which are justly called, by Plato, fertile periods, the powers of plants, animals, and stones, magically sympathize with superior natures, in consequence of a more abundant participation of them, through a greater degree of aptitude to receive, and alliance

[†] See an extract of some length, and of the greatest importance, from this dialogue, in my translation of Select Works of Plotinus, p. 553, &c.

to the participated powers. But during those circulations, in which the parts of the earth subsist contrary to nature, as at present, and which Plato calls barren periods, the powers of plants, animals, and stones, no longer possess a magic sympathy, and consequently are no longer capable of producing magical operations.

P. 106. *The eternal essence of number is the most providential principle of the universe, &c.*

The following account of the manner in which the Pythagoreans philosophized about numbers, is extracted from my Theoretic Arithmetic, and the information contained in it is principally derived from the great Syrianus.

“The Pythagoreans, turning from the vulgar paths, and delivering their philosophy in secret to those alone who were worthy to receive it, exhibited it to others through mathematical names. Hence, they called forms, numbers, as things which are the first separated from impartible union; for the natures which are above forms, are also above separation.¹ The all-perfect multitude of forms, there-

¹ Forms subsist at the extremity of the intelligible triad, which triad consists of *being*, *life*, and *intellect*. But being and life, with all they contain, subsist here involved in impartible union. See my Proclus on the Theology of Plato.

fore, they obscurely signified through the duad ; but they indicated the first formal principles by the monad and duad, as not being numbers ; and also by the first triad and tetrad, as being the first numbers, the one being odd, and the other even, from which by addition the decad is generated ; for the sum of 1, 2, 3, and 4, is ten. But after numbers, in secondary and multifarious lives, introducing geometrical prior to physical magnitudes ; these also they referred to numbers, as to formal causes and the principles of these ; referring the point indeed, as being impartible, to the monad ; but a line, as the first interval, to the duad ; and again, a superficies, as having a more abundant interval, to the triad ; and a solid to the tetrad. They also called, as is evident from the testimony of Aristotle, the first length the duad ; for it is not simply length, but the *first* length, in order that by this they might signify *cause*. In a similar manner also, they denominated the *first* breadth, the triad ; and the *first* depth the tetrad. They also referred to formal principles all psychical knowledge. And intellectual knowledge indeed, as being contracted according to impartible union, they referred to the monad ; but scientific knowledge, as being evolved, and as proceeding from cause to the thing caused, yet through the inerratic, and always through the same things, they referred to the duad ; and opinion to the triad, because the power of it is not

always directed to the same thing, but at one time inclines to the true, and at another to the false. And they referred sense to the tetrad, because it has an apprehension of bodies ; for in the duad, indeed, there is one interval from one monad to the other ; but in the triad there are two intervals from any one monad to the rest ; and in the tetrad there are three. They referred, therefore, to principles every thing knowable, viz. beings, and the gnostic powers of these. But they divided beings not according to breadth, but according to depth ; into intelligibles, objects of science, objects of opinion, and sensibles. In a similar manner, also, they divided knowledge into intellect, science, opinion, and sense. The extremity, therefore, of the intelligible triad, or animal itself, as it is called by Plato in the *Timæus*, is assumed from the division of the objects of knowledge, manifesting the intelligible order, in which forms themselves, viz. the first forms and the principles of these, are contained, viz. the idea of the one itself, of the first length, which is the duad itself, and also the ideas of the first breadth and the first depth ; (for in common the term *first* is adapted to all of them), viz. to the triad itself, and the tetrad itself.

“ Again, the Pythagoreans and Plato did not denominate idea from one thing, and ideal number from another. But since the asser-

tion is eminently true, that all things are similar to number, it is evident that number, and especially every ideal number, was denominated on account of its paradigmatic peculiarity. If any one, however, wishes to apprehend this from the appellation itself, it is easy to infer that idea was so called, from rendering as it were its participants similar to itself, and imparting to them *form, order, beauty, and unity*; and this in consequence of always preserving the same form, expanding its own power to the infinity of particulars, and investing with the same species its eternal participants. *Number* also, since it imparts proportion and elegant arrangement to all things, was allotted this appellation. For the ancients, says Syrianus,¹ call to *adapt* or *compose* ἀρσαι *arsai*, whence is derived ἀριθμός *arithmos number*. Hence ἀναρσιον *anarsion* among the Greeks signifies *incomposite*. Hence too, those Grecian sayings, *you will adapt the balance, they placed number together with them, and also number and friendship*. From all which number was called by the Greeks *arithmos*, as that which measures and orderly arranges all things, and unites them in amicable league.

“Farther still, some of the Pythagoreans discoursed about inseparable numbers alone, i. e. numbers which are inseparable from mundane na-

¹ In Aristot. Metaphys. Lib. 13.

tures, but others about such as have a subsistence separate from the universe, in which as paradigms they saw those numbers are contained, which are perfected by nature. But others, making a distinction between the two, unfolded their doctrine in a more clear and perfect manner. If it be requisite, however, to speak concerning the difference of these monads, and their privation of difference, we must say that the monads which subsist in quantity, are by no means to be extended to essential numbers ; but when we call essential numbers monads, we must assert that all of them mutually differ from each other by *difference* itself, and that they possess a privation of difference from *sameness*. It is evident also, that those which are in the same order, are contained through mutual comparison, in *sameness* rather than in difference, but that those which are in different orders are conversant with much diversity, through the dominion of *difference*.

“ Again, the Pythagoreans asserted that nature produces sensibles by numbers ; but then these numbers were not mathematical but physical ; and as they spoke symbolically, it is not improbable that they demonstrated every property of sensibles by mathematical names. However, says Syrianus, to ascribe to them a knowledge of sensible numbers alone, is not only ridiculous, but highly impious. For they received indeed, from the theology of Orpheus, the principles of intelligible and

intellectual numbers, they assigned them an abundant progression, and extended their dominion as far as to sensibles themselves."

Again, their conceptions about mathematical and physical number, were as follow :

" As in every thing, according to the doctrine of Aristotle, one thing corresponds to matter, and another to form, in any number, as for instance the pentad, its five monads, and in short its quantity, and the number which is the subject of participation, are derived from the duad itself ; but its form, i. e. the pentad itself, is from the monad : for every form is a monad, and unites its subject quantity. The pentad itself, therefore, which is a monad, proceeds from the principal monad, forms its subject quantity, which is itself formless, and connects it to its own form. For there are two principles of mathematical numbers in our souls : the monad, which comprehends in itself all the forms of numbers, and corresponds to the monad in intellectual natures ; and the duad, which is a certain generative principle of infinite power, and which on this account, as being the image of the never-failing and intelligible duad, is called indefinite. While this proceeds to all things, it is not deserted in its course by the monad, but that which proceeds from the monad continually distinguishes and forms boundless quantity, gives a specific distinction to all its orderly progressions, and incessantly adorns them with forms. And as in mundane natures,

there is neither any thing formless, nor any vacuum among the species of things, so likewise in mathematical number, neither is any quantity left innumerable; for thus the forming power of the monad would be vanquished by the indefinite duad, nor does any medium intervene between the consequent numbers, and the well-disposed energy of the monad.

“Neither, therefore, does the pentad consist of substance and accident, as a white man; nor of genus and difference, as man of animal and biped; nor of five monads mutually touching each other, like a bundle of wood; nor of things mingled, like a drink made from wine and honey; nor of things sustaining position, as stones by their position complete the house; nor lastly, as things numerable, for these are nothing else than particulars. But it does not follow that numbers themselves, because they consist of indivisible monads, have nothing else besides monads, (for the multitude of points in continued quantity is an indivisible multitude, yet it is not on this account that there is a completion of something else from the points themselves); but this takes place because there is something in them which corresponds to matter, and something which corresponds to form. Lastly, when we unite the triad with the tetrad, we say that we make seven. The assertion, however, is not true: for monads conjoined with monads, produce indeed the subject of the number 7, but no-

thing more. Who then imparts the heptadic form to these monads? Who is it also that gives the form of a bed to a certain number of pieces of wood? Shall we not say that the soul of the carpenter, from the art which he possesses, fashions the wood, so as to receive the form of a bed, and that the numerative soul, from possessing in herself a monad which has the relation of a principle, gives form and subsistence to all numbers? But in this only consists the difference, that the carpenter's art is not naturally inherent in us, and requires manual operation, because it is conversant with sensible matter; but the numerative art is naturally present with us, and is therefore possessed by all men, and has an intellectual matter which it instantaneously invests with form. And this is that which deceives the multitude, who think that the heptad is nothing besides seven monads. For the imagination of the vulgar, unless it first sees a thing unadorned, afterwards the supervening energy of the adorer, and lastly, above all the thing itself, perfect and formed, cannot be persuaded that it has two natures, one formless, the other formal, and still further, that which beyond these imparts form; but asserts that the subject is one, and without generation. Hence, perhaps, the ancient theologists and Plato ascribed temporal generations to things without generation, and to things which are perpetually adorned, and regularly disposed, privation of order and orna-

ment, the erroneous and the boundless, that they might lead men to the knowledge of a formal and effective cause. It is, therefore, by no means wonderful, that though seven sensible monads are never without the heptad, these should be distinguished by science, and that the former should have the relation of a subject, and be analogous to matter, but the latter should correspond to species and form.

“ Again, as when water is changed into air, the water does not become air, or the subject of air, but that which was the subject of water becomes the subject of air, so when one number unites itself with another, as for instance the triad with the duad, the species or forms of the two numbers are not mingled, except in their immaterial reasons (or productive principles), in which at the same time that they are separate, they are not impeded from being united, but the quantities of the two numbers which are placed together, become the subject of the pentad. The triad, therefore, is one, and also the tetrad, even in mathematical numbers: for though in the ennead or number nine, you may conceive a first, second, and third triad, yet you see one thing thrice assumed; and in short, in the ennead there is nothing but the form of the ennead in the quantity of nine monads. But if you mentally separate its subject, (for form is impartible) you will immediately invest it with forms corre-

sponding to its division ; for our soul cannot endure to see that which is formless, unadorned, especially as she possesses the power of investing it with ornament.

“Since also separate numbers possess a demiurgic or fabricative power, which mathematical numbers imitate, the sensible world likewise contains images of those numbers by which it is adorned ; so that all things are in all, but in an appropriate manner in each. The sensible world, therefore, subsists from immaterial and energetic reasons, and from more ancient causes. But those who do not admit that nature herself is full of productive powers, lest they should be obliged to double things themselves, these wonder how from things void of magnitude and gravity, magnitude and gravity are composed ; though they are never composed from things of this kind which are void of gravity and magnitude, as from parts. But magnitude is generated from essentially impartible elements ; since form and matter are the elements of bodies ; and still much more is it generated from those truer causes which are considered in demiurgic reasons and forms. Is it not therefore necessary that all dimensions, and all moving masses, must from these receive their generation ? For either bodies are unbegotten, like incorporeal natures ; or of things with interval, things without interval are the causes ; of partibles impartibles ; and of sensibles and contra-

ries, things insensible and void of contact : and we must assent to those who assert that things possessing magnitude are thus generated from impartibles. Hence the Pythagorean Eurytus, and his followers, beholding the images of things themselves in numbers, rightly attributed certain numbers to certain things, according to their peculiarity. In consequence of this, he said that a particular number is the boundary of this plant, and again, another number of this animal ; just as of a triangle 6 is the boundary, of a square 9, and of a cube 8. As the musician, too, harmonizes his lyre through mathematical numbers, so nature through her own natural numbers, orderly arranges, and modulates her productions.

“ Indeed, that numbers are participated by the heavens, and that there is a solar number, and also a lunar number, is manifest according to the adage, even to the blind. For the restitutions of the heavenly bodies to their pristine state (*αποκαταστασεις*) would not always be effected through the same things, and in the same manner, unless one and the same number had dominion in each. Yet all these contribute to the procession of the celestial spheres, and are contained by their perfect number. But there is also a certain natural number belonging to every animal. For things of the same species would not be distinguished by organs after the same manner, nor would they arrive at

puberty and old age about the same time, or generate, nor would the fœtus be nourished or increase, according to regular periods, unless they were detained by the same measure of nature. According to the best of the Pythagoreans also, Plato himself, number is the cause of better and worse generations. Hence though the Pythagoreans sometimes speak of the squares and cubes of natural numbers, they do not make them to be monadic, such as the number 9, and the number 27 ; but they signify through these names, from similitude, the progression of natural numbers into, and dominion about, generations. In like manner, though they call them equal or double, they exhibit the dominion and symphony of ideas in these numbers. Hence different things do not use the same number, so far as they are different, nor do the same things use a different number, so far as they are the same.

“ In short, physical numbers are material forms divided about the subject which receives them. But material powers are the sources of connexion and modification to bodies. For form is one thing, and the power proceeding from it another. For form itself is indeed impartible and essential ; but being extended, and becoming bulky, it emits from itself, as if it were a blast, material powers which are certain qualities. Thus, for instance, in fire, the form and essence of it is impartible, and is truly the image of the cause of fire : for in partible

natures, the impartible has a subsistence. But from form which is impartible in fire, and which subsists in it as number, an extension of it accompanied with interval takes place about matter, from which the powers of fire are emitted, such as heat, or refrigeration, or moisture, or something else of the like kind. And these qualities are indeed essential, but are by no means the essence of fire. For essences do not proceed from qualities, nor are essence and power the same thing. But the essential every where precedes power. And from this being one the multitude of powers proceeds, and the distributed from that which is undistributed; just as many energies are the progeny of one power."

P. 107. *For Pythagoras always proclaimed, that nothing admirable pertaining to the Gods, or divine dogmas, should be disbelieved.*

This in the Protreptics forms the fourth symbol, and is thus explained by Iamblichus:—"This dogma sufficiently venerates and unfolds the transcendency of the Gods, affording us a viaticum, and recalling to our memory that we ought not to estimate divine power from our judgment. But it is likely that some things should appear difficult and impossible to us, in consequence of our corporeal subsistence,

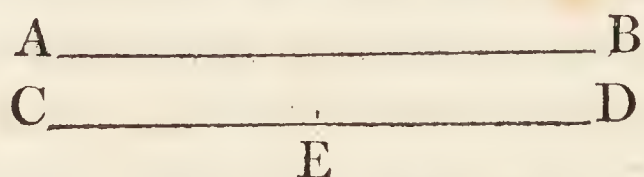
and from our being conversant with generation and corruption; from our having a momentary existence; from being subject to a variety of diseases; from the smallness of our habitation; from our gravitating tendency to the middle; from our somnolency, indigence and repletion; from our want of counsel and our imbecility; from the impediments of our soul, and a variety of other circumstances, although our nature possesses many illustrious prerogatives. At the same time however we perfectly fall short of the Gods, and neither possess the same power with them, nor equal virtue. This symbol therefore in a particular manner introduces the knowledge of the Gods, as beings who are able to effect all things. On this account it exhorts us to disbelieve nothing concerning the Gods. It also adds, nor about divine dogmas; viz. those belonging to the Pythagoric philosophy. For these being secured by disciplines and scientific theory, are alone true and free from falsehood, being corroborated by all-various demonstration, accompanied with necessity. The same symbol, also, is capable of exhorting us to the science concerning the Gods: for it urges us to acquire a science of that kind, through which we shall be in no respect deficient in things asserted about the Gods. It is also able to exhort the same things concerning divine dogmas, and a disciplinative progression. For disciplines alone give eyes to, and produce light about, all

things, in him who intends to consider and survey them. For from the participation of disciplines, one thing before all others is effected, viz. a belief in the nature, essence, and power of the Gods, and also in those Pythagoric dogmas, which appear to be prodigious to such as have not been introduced to, and are uninitiated in, disciplines. So that the precept *disbelieve not* is equivalent to *participate* and *acquire* those things through which you will not disbelieve; that is to say, acquire disciplines and scientific demonstrations."

P. 108. *After this manner therefore it is said that music was discovered by Pythagoras.*

The following particulars relative to music are added for the purpose of elucidating what is said about it in this chapter.

"Take two brazen chords, such as are used in harps; for those chords which are made from the intestines of sheep are for the most part either false or obnoxious to the change of the air,

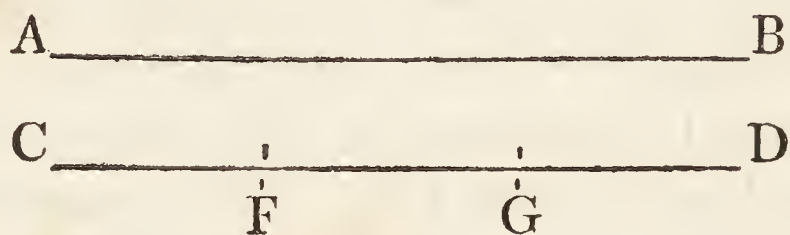


"Let these chords be perfectly equal, and equally

stretched, so as to be in unison, i. e. so that there may be only one sound, though there are two strings. But it is requisite that they should be placed upon some oblong and polished rule. The ancients called this rule an harmonic rule, or also a monochord, by which instrument all consonances and dissonances, and likewise musical intervals, were tried. Let now one of these chords be bisected in E. Afterwards under the point E place what is vulgarly called the *tactus*, but which was denominated by the ancients, from its figure, a hemisphere. The *tactus*, therefore, being placed under E, press there the chord, so that one half of it only, as for instance ED, may be wholly struck and resound. Having therefore struck each of the chords at the same time, viz. the whole of AB, and the half ED, so that they may resound at one and the same time, you will hear the sweetest of all consonances, composed from the sound of the whole chord AB, and the sound of the half ED. This consonance the ancients called diapason, i. e. *through all* [the chords], because in the musical instruments of the ancients, the two extreme chords, i. e. the most grave, and the most acute of all the chords, contained this consonance; so that, from the gravest chord having made a transition through all the chords to the supreme and most acute of all, they would hear this sweetest consonance. It was, likewise, said to be in a duple ratio of the proportion

of one sound to the other. For the sound of the chord AB is doubly greater or more grave than the sound of the half ED. For as sounding bodies are to each other, so are their sounds. But the chord AB is the double of ED. This, however, is now commonly called the octave, because from the first sound, and that the gravest, which is called *ut*, as far as to that sound which corresponds to it in the consonance diapason, there are these eight sounds, *ut, re, mi, fa, sol, re, mi, fa*. And of these the first *ut*, and the last *fa*, which is the eighth, produce the consonance diapason, or the double, or the octave.

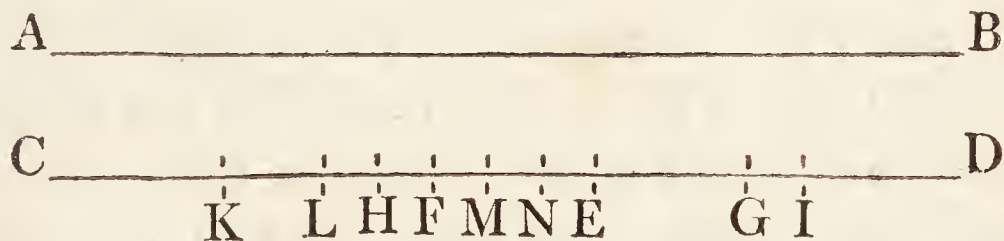
Again, let the same chord CD be divided into three equal parts in the points F, G.



FD, therefore, will be two-thirds as well of the whole CD as of the whole AB. Let the tactus now be placed in F, and let AB and FD be struck at the same time, and a consonance very sweet and perfect will indeed be heard, yet not so sweet as the diapason. This the ancients called diapentē (i. e. through five chords), because the first and the fifth chord produce this consonance. But accord-

ing to proportion it is called sesquialter, because the chord AB is sesquialter to FD, and consequently the sounds of these chords also are in the same ratio. But sesquialter ratio is when the greater quantity AB contains the less FD once, and the half of it besides. It is, indeed, commonly called the fifth, because it is composed from the first sound *ut*, and the fifth, *sol*.

Again, let the same chord be cut into four equal parts in the points H, E, I,



so that the chord HD, may be three-fourths of the whole CD. The tactus, therefore, being placed in H, let AB and HD be struck at one and the same time, and a consonance will be heard, indeed, yet more imperfect than the preceding two. This was called by the ancients diatessaron, i. e. through four chords or sounds, for a similar reason to that by which the former were denominated. With reference, however, to the ratio of the chords and sounds, it is called sesquitercian, because the greater AB contains the less once, and a third part of it besides. But it is now commonly called a

fourth, because it is found between the first sound *ut*, and the fourth *fa*. If now the point F be added in the preceding figure, and at one and the same time two chords HD and FD are compared in arithmetical ratios, we shall find that the greater HD will have to the less FD a sesquioctave [†] ratio, and the sound of the greater HD to the less FD will have the same ratio, i. e. in modern terms, that between *fa* and *sol* there is a sesquioctave ratio. But if these two sounds are heard together, they will be discordant to the ear. Again, the distance between these sounds *fa*, *sol*, or between the chords HD and FD, or between the two harmonic intervals HD and FD, the ratio of which was sesquioctave, was called by the ancients a tone. Afterwards they divided the whole of CD into nine equal parts, the first of which is divided in K, so that the whole CD may have to the remainder KD, which contains eight of those parts, a sesquioctave ratio. This, in like manner, will be the interval of a tone, the first sound of which, i. e. of the whole CD, is now called *ut*, but the second sound of the rest of the chord KD is called *re*. Afterwards they in a similar manner divided the remainder KD into nine parts, the first part of which is marked in the point L. And for the same reason between the chord KD and the chord LD,

[†] Because $\frac{9}{8}$ is to $\frac{8}{3}$ as 9 to 8.

and their sounds, there will be a sesquioctave ratio. The sound of the chord LD is now called *mi*; but the interval which remains between the chord LD and the chord HD has not a sesquioctave ratio, but less than it almost by half, and therefore an interval of this kind was called a semitone, and also diesis or a division. But that interval which remains between the points F and E they divided after the same manner as the space between C and H was divided, and they again found the same sounds. Let those divisions be marked by the points M and N; and here, also, between N and E, or between *mi* and *fa*, there is in like manner another semitone. These eight sounds, therefore, are *ut, re, mi, fa, sol, re, mi, fa*, which compose the whole diapason. For as we have before observed, between *ut* and the last *fa* is the consonance diapason, or between the chord CD or AB, and the chord ED. But from the intervals which are between the sounds there are two semitones, viz. one between *mi* and *fa*, denoted by the letters L, N, and the other between the last *mi* and *fa*, denoted by the letters N, E. The remaining five intervals are entire tones. It must, also, be observed, that from *ut* to the first *sol* is the consonance diapente, which contains three tonic intervals, and one semitone; nevertheless in all there are five sounds, *ut, re, mi, fa, sol*.

Again, from *sol* to the last *fa* there are four

sounds, *sol*, *re*, *mi*, *fa*, which are perfectly similar to the first four, *ut*, *re*, *mi*, *fa*. Nevertheless these are more grave, but those are more acute. And as from *ut* to the first *fa* is the diatessaron, so likewise from *sol* to the last *fa* is another diatessaron; from which, in the last place, it must be observed, it follows that the two consonances diatessaron and diapente constitute the whole diapason; or that the diapason is divided into one diatessaron, and one diapente. For from *ut* to *sol* is the diapente, but from *sol* to the last *fa* is the diatessaron. This will also be the case if we should say that from *ut* to the first *fa* is the diatessaron, as is evident from the division of the chord; but from the first *fa* to the last *fa* is the diapente, as is evident from the four intervals of the chord, three of which are tones, and the remaining interval is a semitone, which also in the other diapente were contained between *ut* and *sol*.

Now again, let the tactus be placed in I; but I is the fourth part of the whole CD. Let, also, AB and ID be struck at one and the same time, and the sweetest consonance, called bisdiapason, will be produced; which is so denominated, because it is composed from two diapasons, of which the first is between AB or CD, and ED, but the second is between ED and ID; for the ratio of these is double as well as of those. The ratio, also, of the bisdiapason is quadruple, as is evident from

the division ; and is commonly called a fifteenth, because from the first *ut* to this sound, which is also denominated *fa*, there would be fifteen sounds, if the interval EI were divided after the same manner as the first CE is divided.

Farther still, let GD be a third part of the whole CD, and let the tactus be placed in G. Then at one and the same time let AB and GD be struck, and a sweet consonance will be heard, which is called diapasondiapente, because it is composed from one diapason contained by the interval CE, or the two chords CD, ED, and one diapente, contained by the interval EG, or the chords ED, GD. For the chord ED is sesquialter to the chord GD ; which ratio constitutes the nature of the diapente. The proportion, also, of this consonance is triple. For the chord AB or CD is triple of GD ; and it is commonly called the twelfth, because between *ut* and *sol*, denoted by the letter G, there would be twelve sounds, if the interval EG received its divisions. From all which it is manifest by the experience of the ear, that there are altogether five consonances, three simple, the diapason, the diapente, and the diatessaron ; but two composite, the bisdiapason, and the diapasondiapente.

In the last place, it is necessary to observe that those ancient Greeks differently denominated these sounds, *ut*, *re*, &c. For the first, i. e. the gravest

sound or chord, which is now called *ut*, they denominated hypate, and the others in the following order :

Ut,	Hypate,	i. e.	Principalis.
Re,	Parhypate,	—	Postprincipalis.
Mi,	Lychanos,	—	Index.
Fa,	Mese,	—	Media.
Sol,	Paramese,	—	Postmedia.
Re,	Trite,	—	Tertia.
Mi,	Paranete,	—	Antepenultima.
Fa,	Nete,	—	Ultima, vel suprema.

P. 109. *I swear by him who the tetractys found.*

The tetrad was called by the Pythagoreans every number, because it comprehends in itself all the numbers as far as to the decad, and the decad itself ; for the sum of 1, 2, 3, and 4, is 10. Hence both the decad and the tetrad were said by them to be every number ; the decad indeed in energy, but the tetrad in capacity. The sum likewise of these four numbers was said by them to constitute the tetractys, in which all harmonic ratios are included. For 4 to 1, which is a quadruple ratio, forms the symphony bisdiapason ; the ratio of 3 to 2, which is sesquialter, forms the symphony diapente ; 4 to

3, which is sesquitertian, the symphony diatessaron; and 2 to 1, which is a duple ratio, forms the diapason.

In consequence, however, of the great veneration paid to the tetractys by the Pythagoreans, it will be proper to give it a more ample discussion, and for this purpose to show from Theo of Smyrna,¹ how many tetractys there are: "The tetractys," says he, "was not only principally honored by the Pythagoreans, because all symphonies are found to exist within it, but also because it appears to contain the nature of all things." Hence the following was their oath: "Not by him who delivered to our soul the tetractys, which contains the fountain and root of everlasting nature." But by him who delivered the tetractys they mean Pythagoras; for the doctrine concerning it appears to have been his invention. The above-mentioned tetractys, therefore, is seen in the composition of the first numbers 1. 2. 3. 4. But the second tetractys arises from the increase by multiplication of even and odd numbers beginning from the monad.

Of these, the monad is assumed as the first, because, as we have before observed, it is the principle of all even, odd, and evenly-odd numbers, and the nature of it is simple. But the three successive numbers receive their composition according to

¹ In *Mathemat.* p. 147.

the even and the odd; because every number is not alone even, nor alone odd. Hence the even and the odd receive two tetractys, according to multiplication; the even indeed, in a duple ratio; for 2 is the first of even numbers, and increases from the monad by duplication. But the odd number is increased in a triple ratio; for 3 is the first of odd numbers, and is itself increased from the monad by triplication. Hence the monad is common to both these, being itself even and odd. The second number, however, in even and double numbers is 2; but in odd and triple numbers 3. The third among even numbers is 4; but among odd numbers is 9. And the fourth among even numbers is 8; but among odd numbers is 27.

$$\left\{ \begin{array}{cccc} 1. & 2. & 4. & 8. \\ 1. & 3. & 9. & 27. \end{array} \right\}$$

In these numbers the more perfect ratios of symphonies are found; and in these also a tone is comprehended. The monad, however, contains the productive principle of a point. But the second numbers 2 and 3 contain the principle of a side, since they are incomposite, and first, are measured by the monad, and naturally measure a right line. The third terms are 4 and 9, which are in power a square superficies, since they are equally equal. And the fourth terms 8 and 27 being equally equal, are in power a cube. Hence from these

numbers, and this tetractys, the increase takes place from a point to a solid. For a side follows after a point, a superficies after a side, and a solid after a superficies. In these numbers also, Plato in the *Timæus* constitutes the soul. But the last of these seven numbers, i. e. 27, is equal to all the numbers that precede it; for $1+2+3+4+8+9=27$. There are, therefore, two tetractys of numbers, one of which subsists by addition, but the other by multiplication, and they comprehend musical, geometrical, and arithmetical ratios, from which also the harmony of the universe consists.

But the third tetractys is that which according to the same analogy or proportion comprehends the nature of all magnitude. For what the monad was in the former tetractys, that a point is in this. What the numbers 2 and 3, which are in power a side, were in the former tetractys, that the extended species of a line, the circular and the right, are in this; the right line indeed subsisting in conformity to the even number, since it is terminated¹ by two points; but the circular in conformity to the odd number, because it is comprehended by one line which has no end. But what in the former tetractys the square numbers 4 and 9 were, that the two-

¹ Instead of *περιττοιται*, it is necessary to read *πεπατοιται*; the necessity of which emendation, I wonder the learned Bullialdus did not observe.

fold species of planes, the rectilinear and the circular, are in this. And what the cube numbers 8 and 27 were in the former, the one being an even, but the other an odd number, that the two solids, one of which has a hollow superficies, as the sphere and the cylinder, but the other a plane superficies, as the cube and pyramid, are in this tetractys. Hence, this is the third tetractys, which gives completion to every magnitude, from a point, a line, a superficies, and a solid.

The fourth tetractys is of the simple bodies fire, air, water, and earth, which have an analogy according to numbers. For what the monad was in the first tetractys, that fire is in this. But the duad is air, the triad is water, and the tetrad is earth. For such is the nature of the elements according to tenuity and density of parts. Hence fire has to air the ratio of 1 to 2; but to water, the ratio of 1 to 3; and to earth, the ratio of 1 to 4. In other respects also they are analogous to each other.

The fifth tetractys is of the figures of the simple bodies. For the pyramid, indeed, is the figure of fire; the octaedron, of air; the icosaedron, of water; and the cube, of earth.

The sixth tetractys is of things rising into existence through the vegetative life. And the seed, indeed, is analogous to the monad and a point.

But if it increases in length it is analogous to the duad and a line ; if in breadth, to the triad and a superficies ; but if in thickness, to the tetrad and a solid.

The seventh tetractys is of communities ; of which the principle indeed, and as it were monad, is man ; the duad is a house ; the triad a street ; and the tetrad a city. For a nation consists of these. And these indeed are the material and sensible tetractys.

The eighth tetractys consists of the powers which form a judgment of things material and sensible, and which are of a certain intelligible nature. And these are, intellect, science, opinion, and sense. And intellect, indeed, corresponds in its essence to the monad ; but science to the duad ; for science is the science of a certain thing. Opinion subsists between science and ignorance ; but sense is as the tetrad. For the touch which is common to all the senses being fourfold, all the senses energize according to contact.

The ninth tetractys is that from which the animal is composed, the soul and the body. For the parts of the soul, indeed, are the rational, the irascible, and the epithymetic, or that which desires external good ; and the fourth is the body in which the soul subsists.

The tenth tetractys is of the seasons of the year,

through which all things rise into existence, viz. the spring, the summer, the autumn, and the winter.

And the eleventh is of the ages of man, viz. of the infant, the lad, the man, and the old man.

Hence there are eleven tetractys. The first is that which subsists according to the composition of numbers. The second, according to the multiplication of numbers. The third subsists according to magnitude. The fourth is of the simple bodies. The fifth is of figures. The sixth is of things rising into existence through the vegetative life. The seventh is of communities. The eighth is the judicial power. The ninth is of the parts of the animal. The tenth is of the seasons of the year. And the eleventh is of the ages of man. All of them however are proportional to each other. For what the monad is in the first and second tetractys, that a point is in the third ; fire in the fourth ; a pyramid in the fifth ; seed in the sixth ; man in the seventh ; intellect in the eighth ; and so of the rest. Thus, for instance, the first tetractys is 1. 2. 3. 4. The second is the monad, a side, a square, and a cube. The third is a point, a line, a superficies, and a solid. The fourth is fire, air, water, earth. The fifth the pyramid, the octaedron, the icosaedron, and the cube. The sixth, seed, length, breadth and depth. The seventh, man, a house, a street, a city. The eighth, intellect, science, opinion,

sense. The ninth, the rational, the irascible, and the epithymetic parts, and the body. The tenth, the spring, summer, autumn, winter. The eleventh, the infant, the lad, the man, and the old man.

The world also, which is composed from these tetractys, is perfect, being elegantly arranged in geometrical, harmonical, and arithmetical proportion ; comprehending every power, all the nature of number, every magnitude, and every simple and composite body. But it is perfect, because all things are the parts of it, but it is not itself the part of any thing. Hence, the Pythagoreans are said to have first used the before-mentioned oath, and also the assertion that “all things are assimilated to number.”

P. 111. *This number is the first that partakes of every number, and when divided in every possible way, receives the power of the numbers subtracted, and of those that remain.*

Because 6 consists of 1, 2 and 3, the two first of which are the principles of all number, and also because 2 and 3 are the first even and odd, which are the sources of all the species of numbers ; the number 6 may be said to partake of every number. In what Iamblichus afterwards adds, I

suppose he alludes to 6 being a perfect number and therefore equal to all its parts.

P. 134. *Not to step above the beam of the balance.*

This is the 14th Symbol in the Protreptics of Iamblichus, whose explanation of it is as follows :
 “ This symbol exhorts us to the exercise of justice, to the honoring equality and moderation in an admirable degree, and to the knowledge of justice as the most perfect virtue, to which the other virtues give completion, and without which none of the rest are of any advantage. It also admonishes us, that it is proper to know this virtue not in a careless manner, but through theorems and scientific demonstrations. But this knowledge is the business of no other art and science than the Pythagoric philosophy alone, which in a transcendent degree honors disciplines before every thing else.”

The following extract also from my Theoretic Arithmetic, (p. 194.), will in a still greater degree elucidate this symbol. The information contained in it is derived from the anonymous author of a very valuable work entitled Θεολογούμενα Αριθμητικῆς *Theologumena Arithmeticæ*, and which has lately been reprinted at Leipsic. “ The Pythago-

reans called the pentad providence and justice, because it equalizes things unequal, justice being a medium between excess and defect, just as 5 is the middle of all the numbers that are equally distant from it on both sides as far as to the decad, some of which it surpasses, and by others is surpassed, as may be seen in the following arrangement :

1.	4.	7.
2.	5.	8.
3.	6.	9.

For here, as in the middle of the beam of a balance, 5 does not depart from the line of the equilibrium, while one scale is raised, and the other is depressed.

In the following arrangement also, viz. 1, 2, 3, 4, 5, 6, 7, 8, 9, it will be found that the sum of the numbers which are posterior, is triple the sum of those that are prior to 5 ; for $6+7+8+9=30$; but $1+2+3+4=10$. If therefore the numbers on each side of 5 represent the beam of a balance, 5 being the tongue of it, when a weight depresses the beam, an obtuse angle is produced by the depressed part with the tongue, and an acute angle by the elevated part of the beam. Hence it is worse to do than to suffer an injury : and the authors of the injury verge downward as it were to the infernal regions ; but the injured tend upward as it were to the Gods, imploring the divine assistance. Hence the meaning of the Pythagoric symbol is obvious, “ Pass not above the beam of the balance.” Since

Iam.

Y

however injustice pertains to inequality, in order to correct this, equalization is requisite, that the beam of the balance may remain on both sides without obliquity. But equalization is effected by addition and subtraction. Thus if 4 is added to 5, and 4 is also taken from 5, the number 9 will be produced on one side, and 1 on the other, each of which is equally distant from 5. Thus too, if 3 is added to 5, and is also subtracted from it, on the one side 8 will be produced, and on the other 2. If 2 is added to 5, and likewise taken from it, 7 and 3 will be produced. And by adding 1 to 5, and subtracting 1 from it, 6 and 4 will be the result; in all which instances, the numbers produced are equidistant from 5, and the sum of each couple is equal to 10."

P. 161. *Such as dig not fire with a sword.*

This is the 9th Symbol in the Protreptics, and is thus explained by Iamblichus. "This symbol exhorts to prudence. For it excites in us an appropriate conception with respect to the propriety of not opposing sharp words to a man full of fire and wrath, nor contending with him. For frequently by words you will agitate and disturb an ignorant man, and will yourself suffer things dreadful and unpleasant. Heraclitus also testifies to the truth of this symbol. For he says, "It is difficult to

fight with anger : for whatever is necessary to be done redeems the soul." And this he says truly. For many, by gratifying anger, have changed the condition of their soul, and have made death preferable to life. But by governing the tongue, and being quiet, friendship is produced from strife, the fire of anger being extinguished ; and you yourself will not appear to be destitute of intellect."

P. 200. *But this follows from the whole being naturally prior to the part, and not the part to the whole.*

For whole co-subverts, but is not co-subverted by part : since if whole is taken away, part also is taken away ; but the contrary does not follow.

P. 231. *Such therefore as have the intellective and gnostic part of virtue, are denominated skilful and intelligent ; but such as have the ethical and pre-elective part of it, are denominated useful and equitable.*

The following account of the virtues is extracted from the Notes to my Translation of the Phædo of Plato : The first of the virtues are the physical, which are common to brutes, being mingled with

the temperaments, and for the most part contrary to each other ; or rather pertaining to the animal. Or it may be said that they are illuminations from reason, when not impeded by a certain bad temperament : or that they are the result of energies in a former life. Of these Plato speaks in the *Politicus* and the *Laws*. The ethical virtues, which are above these, are ingenerated by custom and a certain right opinion, and are the virtues of children when well educated. These virtues also are to be found in some brute animals. They likewise transcend the temperaments, and on this account are not contrary to each other. These virtues Plato delivers in the *Laws*. They pertain however at the same time both to reason and the irrational nature. In the third rank above these are the political virtues, which pertain to reason alone ; for they are scientific. But they are the virtues of reason adorning the irrational part as its instrument ; through prudence adorning the gnostic, through fortitude the irascible, and through temperance the epithymetic power, (or the power which is the source of desire ;) but adorning all the parts of the irrational nature through justice. And of these virtues Plato speaks much in the *Republic*. These virtues too follow each other. Above these are the cathartic virtues, which pertain to reason alone, withdrawing from other things to itself, throwing aside the instruments of sense as vain, repressing also the energies through

these instruments, and liberating the soul from the bonds of generation. Plato particularly unfolds these virtues in the *Phædo*. Prior to these however are the theoretic virtues, which pertain to the soul, introducing itself to natures superior to itself, not only gnostically, as some one may be induced to think from the name, but also orectically: for it hastens to become, as it were, intellect instead of soul; and intellect possesses both desire and knowledge. These virtues are the converse of the political: for as the latter energize about things subordinate according to reason, so the former about things more excellent according to intellect. These virtues Plato delivers in the *Theætetus*.

According to Plotinus, there is also another gradation of the virtues besides these, viz. the paradigmatic. For, as our eye, when it is first illuminated by the solar light, is different from that which illuminates, as being illuminated, but afterwards is in a certain respect united and conjoined with it, and becomes, as it were, solar-form; so also our soul at first indeed is illuminated by intellect, and energizes according to the theoretic virtues, but afterwards becomes, as it were, that which is illuminated, and energizes uniformly according to the paradigmatic virtues. And it is the business indeed of philosophy to make us intellect; but of theurgy to unite us to intelligibles, so that we may energize paradigmatically. And as when possessing the

physical virtues, we know mundane bodies (for the subjects to virtues of this kind are bodies); so from possessing the ethical virtues, we know the fate of the universe, because fate is conversant with irrational lives. For the rational soul is not under fate; and the ethical virtues are irrational, because they pertain to the irrational part. According to the political virtues we know mundane affairs, and according to the cathartic supermundane; but as possessing the theoretic we know intellectual, and from the paradigmatic intelligible natures. Temperance also pertains to the ethical virtues; justice to the political, on account of compacts; fortitude to the cathartic, through not verging to matter; and prudence to the theoretic. Observe too, that Plato in the Phædo calls the physical virtues servile, because they may subsist in servile souls; but he calls the ethical *σκιογραφίαι* *adumbrations*, because their possessors only know *that* the energies of such virtues are right, but do not know *why* they are so. It is well observed too here, by Olympiodorus, that Plato calls the cathartic and theoretic virtues, those which are in reality true virtues. He also separates them in another way, viz. that the political are not telestic, i. e. do not pertain to mystic ceremonies, but that the cathartic and theoretic are telestic. Hence, Olympiodorus adds, the cathartic virtues are denominated from the purification which is used in the mysteries; but the theoretic from

perceiving things divine. On this account he accords with the Orphic verses, that

The soul that uninitiated dies,

Plung'd in the blackest mire in Hades lies.

For initiation is the divinely-inspired energy of the virtues. Olympiodorus also further observes, that by the thyrsus-bearers, Plato means those that energize according to the political virtues, but by the Bacchuses those that exercise the cathartic virtues. For we are bound in matter as Titans, through the great partibility of our nature; but we rise from the dark mire as Bacchuses. Hence we become more prophetic at the time of death: and Bacchus is the inspective guardian of death, because he is likewise of every thing pertaining to the Bacchic sacred rites.

All the virtues likewise exhibit their proper characters, these being every where common, but subsisting appropriately in each. For the characteristic property of fortitude is the not declining to things subordinate; of temperance, a conversion from an inferior nature; of justice, a proper energy, and which is adapted to being; and of prudence, the election and selection of things good and evil. Olympiodorus farther observes, that all the virtues are in the Gods. For many Gods, says he, are adorned with their appellations; and all goodness originates from the Gods. Likewise, prior to things which sometimes participate the virtues, as

is our case, it is necessary there should be natures which always participate them. In what order, therefore, do the virtues appear? Shall we say in the psychical? For virtue is the perfection of the soul; and election and pre-election are the energies and projections of the soul. Hence the Chaldaean oracles conjoin fontal virtue with fontal soul, or in other words, with soul subsisting according to cause. But may it not also be said, that the virtues naturally wish to give an orderly arrangement to that which is disordered? If this be admitted, they will originate from the demiurgic order. How then will they be cathartic there? May we not say, Olympiodorus adds, that through the cathartic virtues considered according to their causal subsistence in Jupiter the demiurgus, he is enabled to abide in his accustomed mode, as Plato says in the *Timæus*? And farther still, according to ancient theologists, he ascends to the tower of Saturn, who is a *pure* intellect.

As this distribution of the virtues, however, is at present no less novel than important, the following discussion of them from the *Αφορμαὶ πρὸς τὰ νοήτα*, or *AUXILIARIES TO INTELLIGIBLES*, of Porphyry, is added for the sake of the genuinely philosophic reader :

“ There is one kind of virtues pertaining to the political character, and another to the man who tends to contemplation, and on this account is

called theoretic, and is now a beholder. And there are also other virtues pertaining to intellect, so far as it is intellect, and separate from soul. The virtues indeed of the political character, and which consist in the moderation of the passions, are characterised by following and being obedient to the reasoning about that which is becoming in actions. Hence, looking to an innoxious converse with neighbours, they are denominated, from the aggregation of fellowship, political. And prudence indeed subsists about the reasoning part; fortitude about the irascible part; temperance, in the consent and symphony of the epithymetic with the reasoning part; and justice in each of these performing its proper employment with respect to governing and being governed. But the virtues of him who proceeds to the contemplative life, consist in a departure from terrestrial concerns. Hence also, they are called purifications, being surveyed in the refraining from corporeal actions, and avoiding sympathies with the body. For these are the virtues of the soul elevating itself to true being. The political virtues, therefore, adorn the mortal man, and are the forerunners of purifications. For it is necessary that he who is adorned by these, should abstain from doing any thing precededaneously in conjunction with body. Hence in purifications, not to opine with body, but to energize alone, gives subsistence to prudence; which derives its perfection

through energizing intellectually with purity. But not to be similarly passive with the body, constitutes temperance. Not to fear a departure from body as into something void, and nonentity, gives subsistence to fortitude. But when reason and intellect are the leaders, and there is no resistance [from the irrational part,] justice is produced. The disposition therefore, according to the political virtues, is surveyed in the moderation of the passions ; having for its end to live as man conformable to nature. But the disposition according to the theoretic virtues, is beheld in apathy ;¹ the end of which is a similitude to God.

“ Since, however, of purification one kind consists in purifying, but another pertains to those that are purified, the cathartic virtues are surveyed according to both these significations of purification ; for they purify the soul, and are present with purification. For the end of purification is to become pure. But since purification, and the being purified, are an ablation of every thing foreign, the good resulting from them will be different from that which purifies ; so that if that which is purified was good prior to the impurity with which it is defiled, purification is sufficient. That, however, which remains after purification, is good, and not purifica-

¹ This philosophic apathy is not, as is stupidly supposed by most of the present day, insensibility, but a perfect subjugation of the passions to reason.

tion. The nature of the soul also was not good, but is that which is able to partake of good, and is boniform. For if this were not the case, it would not have become situated in evil. The good, therefore, of the soul consists in being united to its generator; but its evil, in an association with things subordinate to itself. Its evil also is twofold; the one arising from an association with terrestrial natures; but the other from doing this with an excess of the passions. Hence all the political virtues, which liberate the soul from one evil, may be denominated virtues, and are honorable. But the cathartic are more honorable, and liberate it from evil, so far as it is soul. It is necessary, therefore, that the soul when purified should associate with its generator. Hence the virtue of it after its conversion consists in a scientific knowledge of [true] being; but this will not be the case unless conversion precedes.

“There is therefore another genus of virtues after the cathartic and political, and which are the virtues of the soul energizing intellectually. And here, indeed, wisdom and prudence consist in the contemplation of those things which intellect possesses. But justice consists in performing what is appropriate in a conformity to, and energizing according to intellect. Temperance is an inward conversion of the soul to intellect. And fortitude is apathy; according to a similitude of that to

which the soul looks, and which is naturally impassive. These virtues also, in the same manner as the others, alternately follow each other.

“ The fourth species of the virtues is that of the paradigms subsisting in intellect; which are more excellent than the psychical virtues, and exist as the paradigms of these; the virtues of the soul being the similitudes of them. And intellect indeed is that in which all things subsist at once as paradigms. Here, therefore, prudence is science; but intellect that knows [all things] is wisdom. Temperance is that which is converted to itself. The proper work of intellect, is the performance of its appropriate duty, [and this is justice¹]. But fortitude is sameness, and the abiding with purity in itself, through an abundance of power. There are therefore four genera of virtues; of which, indeed, some pertain to intellect, concur with the essence of it, and are paradigmatic. Others pertain to soul now looking to intellect, and being filled from it. Others belong to the soul of man, purifying itself, and becoming purified from the body, and the irrational passions. And others are the virtues of the soul of man, adorning the man, through giving measure and bound to the irrational nature, and producing moderation in the passions.

¹ The words *καὶ δικαιοσύνη* are omitted in the original. But it is evident from Plotinus, that they ought to be inserted.

And he, indeed, who has the greater virtues has also necessarily the less ; but the contrary is not true, that he who has the less has also the greater virtues. Nor will he who possesses the greater, energize precedaneously according to the less, but only so far as the necessities of the mortal nature require. The scope also of the virtues, is, as we have said, generically different in the different virtues. For the scope of the political virtues, is to give measure to the passions in their practical energies according to nature. But the scope of the cathartic virtues, is entirely to obliterate the remembrance of the passions. And the scope of the rest subsists analogously to what has been before said. Hence, he who energizes according to the practical virtues, is a *worthy* man : but he who energizes according to the cathartic virtues, is a *dæmoniacal man*, or is also a *good dæmon*. He who energizes according to the intellectual virtues alone, is a *God*. But he who energizes according to the paradigmatic virtues, is *the father of the Gods*. We, therefore, ought especially to pay attention to the cathartic virtues, since we may obtain these in the present life. But through these, the ascent is to the more honorable virtues. Hence it is requisite to survey to what degree purification may be extended. For it is a separation from body, and from the passive motion of the irrational part.

But how this may be effected, and to what extent, must now be said.

“ In the first place, indeed, it is necessary that he who intends to acquire this purification, should, as the foundation and basis of it, know himself to be a soul bound in a foreign thing, and in a different essence. In the second place, as that which is raised from this foundation, he should collect himself from the body, and as it were from different places, so as to be disposed in a manner perfectly impassive with respect to the body. For he who energizes uninterruptedly according to sense, though he may not do this with an adhering affection, and the enjoyment resulting from pleasure, yet at the same time his attention is dissipated about the body, in consequence of becoming through sense¹ in contact with it. But we are addicted to the pleasures or pains of sensibles, in conjunction with a promptitude, and converging sympathy ; from which disposition it is requisite to be purified. *This, however, will be effected by admitting necessary pleasures, and the sensations of them, merely as remedies, or as a liberation from pain, in order that [the rational part] may not be impeded [in its energies.]* Pain also must be taken away. But if this is not possible, it must be mildly

¹ Instead of κατ' αὐτήν here, it is necessary to read κατ' αἰσθησιν.

diminished. And it will be diminished, if the soul is not copassive with it. Anger, likewise, must as much as possible be taken away ; and must by no means be premeditated. But if it cannot be entirely removed, deliberate choice must not be mingled with it, but the unpremeditated motion must be the impulse of the irrational part. *That however which is unpremeditated is imbecile and small.* All fear, likewise, must be expelled. For he who acquires this purification, will fear nothing. Here, however, if it should take place, it will be unpremeditated. Anger therefore and fear must be used for the purpose of admonition. But the desire of every thing base must be exterminated. Such a one also, so far as he is a cathartic philosopher, will not desire meats and drinks. Neither must there be the unpremeditated in natural venereal connexions ; *but if this should take place, it must only be as far as to that precipitate imagination which energizes in sleep.* In short, the intellectual soul itself of the purified man, must be liberated from all these [corporeal propensities.] He must likewise endeavour that what is moved to the irrational nature of corporeal passions, may be moved without sympathy, and without animadversion ; so that the motions themselves may be immediately dissolved, through their vicinity to the reasoning power. This, however, will not take place while the purification is proceeding to its per-

fection ; but will happen to those in whom reason rules without opposition. Hence in these, the inferior part will so venerate reason, that it will be indignant if it is at all moved, in consequence of not being quiet when its master is present, and will reprove itself for its imbecility. These, however, are yet only moderations of the passions, but at length terminate in apathy. For when co-passivity is entirely exterminated, then apathy is present with him who is purified from it. For passion becomes moved, when reason imparts excitation, through verging [to the irrational nature.]”

P. 279. *The theorems of philosophy are to be enjoyed, as much as possible, as if they were ambrosia and nectar, &c. &c.*

This Sentence in the original of Arcerius is as follows: τῶν κατὰ φιλοσοφίαν θεωρημάτων ἀπολαύστέον, ἐφ’ ὅσον οἶον, καθάπερ ἀμβροσίας καὶ νέκταρος· ἀκηράτον τε γὰρ τὸ ἀπ’ αὐτῶν ἡδὺ καὶ τὸ θεῖον τὸ μεγαλοψυχὸν δύναται τε ποιεῖν, καὶ εἰ μὴ αἰδίους, αἰδίων γε ἐπιστημονας.

In the edition of the Protreptics by Kiessling, which I did not see, till the greater part of this work was printed, σοφίαν is substituted for φιλοσοφίαν, but in my opinion very erroneously ; and this German editor, from not perceiving the necessity

of reading ακηρατον τε γαρ το απ' αυτων ηδου και
 θειον, το μεγαλοψυχον, κ. λ. instead of retaining the
 reading of Arcerius, has made nonsense of this part
 of the Sentence. For his version of it is : “ Nam
 et sincera est eorum dulcedo, et divinam naturam,
 animum magnum efficere possunt.”

THE END.



