Ζεὺς ἀργὴς "Ηρη τε φερέσβιος ἢδ' 'Αϊδωνεὺς Νηστίς θ', η δακρύοις τέγγει κρούνωμα βρότειον.

Δία μὲν τὸ πῦρ λέγων, "Ηρην δὲ τὴν γῆν, 'Αϊδωνέα

δὲ τὸν ἀέρα, Νῆστιν δὲ τὸ νδωρ.

"Καὶ ταῦτα," φησίν, " ἀλλάττοντα διαμπερὲς οὐδαμὰ λήγει," ὡς ἂν ἀϊδίου τῆς τοιαύτης διακοσμήσεως οὔσης ἐπιφέρει γοῦν

άλλοτε μέν Φιλότητι συνερχόμεν' είς εν απαντα, άλλοτε δ' αὖ δίχ' έκαστα φορεύμενα Νείκεος έχθει.

77 Καὶ τὸν μὲν ἥλιόν φησι πυρὸς ἄθροισμα μέγα καὶ της σελήνης μείζω την δε σελήνην δισκοειδη, αὐτὸν δὲ τὸν οὐρανὸν κρυσταλλοειδῆ. καὶ τὴν ψυχὴν παντοῖα εἴδη ζώων καὶ φυτῶν ἐνδύεσθαι· φησί γοῦν.

ήδη γάρ ποτ' έγω γενόμην κοῦρός τε κόρη τε θάμνος τ' οἰωνός τε καὶ ἔξαλος ἔμπυρος ἰχθύς.

Τὰ μὲν οὖν Περὶ φύσεως αὐτῷ καὶ οἱ Καθαρμοὶ εἰς έπη τείνουσι πεντακισχίλια, δ δὲ Ἰατρικὸς λόγος είς έπη έξακόσια. περί δὲ τῶν τραγωδιῶν προειρήκαμεν.

## $K_{\epsilon}\phi$ . $\gamma'$ . EΠΙΧΑΡΜΟΣ

78 Ἐπίχαρμος Ἡλοθαλοῦς Κῷος. καὶ οὖτος ἤκουσε Πυθαγόρου. τριμηνιαίος δ' ύπάρχων ἀπηνέχθη της Σικελίας είς Μέγαρα, εντεῦθεν δ' είς Συρακούσας, ως φησι καὶ αὐτὸς ἐν τοῖς συγγράμμασιν. καὶ αὐτῷ ἐπὶ τοῦ ἀνδριάντος ἐπιγέγραπται τόδε·

<sup>1</sup> ξμπορος is found Athenaeus viii. 365. The true reading έλλοπος in Clem. Strom. vi. 24. 390

## VIII. 76-78. EMPEDOCLES—EPICHARMUS

Shining Zeus and life-bringing Hera, Aidoneus and Nestis, who lets flow from her tears the source of mortal life,

where by Zeus he means fire, by Hera earth, by Aidoneus air, and by Nestis water.

"And their continuous change," he says, "never ceases," a as if this ordering of things were eternal. At all events he goes on b:

At one time all things uniting in one through Love, at another each carried in a different direction through the hatred born of strife.

The sun he calls a vast collection of fire and larger than the moon; the moon, he says, is of the shape of a quoit, and the heaven itself crystalline. The soul, again, assumes all the various forms of animals and plants. At any rate he says c:

Before now I was born a boy and a maid, a bush and a bird, and a dumb fish leaping out of the sea.

His poems On Nature and Purifications run to 5000 lines, his Discourse on Medicine to 600. Of the tragedies we have spoken above.

# CHAPTER 3. EPICHARMUS (c. 550-460 B.C.)

Epicharmus of Cos, son of Helothales, was another pupil of Pythagoras. When three months old he was sent to Megara in Sicily and thence to Syracuse, as he tells us in his own writings. On his statue this epigram is written <sup>d</sup>:

<sup>a</sup> Fr. 17. 6 D. <sup>b</sup> Fr. 17. 7 D. <sup>d</sup> Anth. Pal. vii. 78.

εἴ τι παραλλάσσει φαέθων μέγας ἄλιος ἄστρων καὶ πόντος ποταμῶν μείζον' ἔχει δύναμιν, φαμὶ τοσοῦτον ἐγὰ σοφία προέχειν Ἐπίχαρμον, ὅν πατρὶς ἐστεφάνωσ' ἄδε Συρακοσίων.

οὖτος ὑπομνήματα καταλέλοιπεν ἐν οῗς φυσιολογεῖ, γνωμολογεῖ, ἰατρολογεῖ· καὶ παραστιχίδα γε ἐν τοῖς πλείστοις τῶν ὑπομνημάτων πεποίηκεν, οἶς διασαφεῖ ὅτι ἐαυτοῦ ἐστι τὰ συγγράμματα. βιοὺς δ' ἔτη ἐνενήκοντα κατέστρεψεν.

## $K\epsilon\phi$ . δ'. ΑΡΧΥΤΑΣ

79 'Αρχύτας Μνησαγόρου Ταραντίνος, ώς δὲ 'Αριστόξενος, Έστιαίου, Πυθαγορικὸς καὶ αὐτός. οὖτός ἐστιν ὁ Πλάτωνα ρυσάμενος δι' ἐπιστολῆς παρὰ Διονυσίου μέλλοντ' ἀναιρεῖσθαι. ἐθαυμάζετο δὲ καὶ παρὰ τοῖς πολλοῖς ἐπὶ πάση ἀρετῆ· καὶ δὴ ἐπτάκις τῶν πολιτῶν ἐστρατήγησε, τῶν ἄλλων μὴ πλέον ἐνιαυτοῦ στρατηγούντων διὰ τὸ κωλύειν τὸν νόμον. πρὸς τοῦτον καὶ Πλάτων γέγραφεν ἐπιστολὰς δύο, ἐπειδήπερ αὐτῷ πρότερος ἐγεγράφει τοῦτον τὸν τρόπον·

" 'Αρχύτας Πλάτωνι ύγιαίνειν.

ο "Καλῶς ποιέεις ὅτι ἀποπέφευγας ἐκ τᾶς ἀρρωστίας ταῦτα γὰρ αὐτός τυ ἐπέσταλκας καὶ τοὶ περὶ Λαμίσκον ἀπάγγελον. περὶ δὲ τῶν ὑπομνημάτων ἐπεμελήθημες καὶ ἀνήλθομες ὡς Λευκανὼς καὶ ἐνετύχομες τοῖς 'Οκκέλω ἐκγόνοις. τὰ μὲν ῶν Περὶ νόμω καὶ Βασιληίας καὶ 'Οσιότατος καὶ τᾶς τῶ παντὸς γενέσιος αὐτοί τ' ἔχομες καὶ τὶν ἀπεστάλκαμες τὰ δὲ λοιπὰ οὔτοι νῦν γα δύναται εὐρεθῆμεν, αὶ δέ κα εὐρεθῆ, ἤξει τοι.''

## VIII. 78-80. EPICHARMUS—ARCHYTAS

If the great sun outshines the other stars, If the great sea is mightier than the streams, So Epicharmus' wisdom all excelled, Whom Syracuse his fatherland thus crowned.

He has left memoirs containing his physical, ethical and medical doctrines, and he has made marginal notes in most of the memoirs, which clearly show that they were written by him. He died at the age of ninety.

# CHAPTER 4. ARCHYTAS (fourth century B.C.)

Archytas of Tarentum, son of Mnesagoras or, if we may believe Aristoxenus, of Hestiaeus, was another of the Pythagoreans. He it was whose letter saved Plato when he was about to be put to death by Dionysius. He was generally admired for his excellence in all fields; thus he was generalissimo of his city seven times, while the law excluded all others even from a second year of command. We have two letters written to him by Plato, he having first written to Plato in these terms:

"Archytas wishes Plato good health.

"You have done well to get rid of your ailment, as we learn both from your own message and through Lamiscus that you have: we attended to the matter of the memoirs and went up to Lucania where we found the true progeny of Ocellus [to wit, his writings]. We did get the works On Lan, On Kingship, Of Piety, and On the Origin of the Universe, all of which we have sent on to you; but the rest are, at present, nowhere to be found; if they should turn up, you shall have them."

<sup>\*</sup>Ωδε μεν δ 'Αρχύτας δ δε Πλάτων άντεπιστέλλει τοῦτον τον τρόπον.

" Πλάτων 'Αρχύτα εὖ πράττειν.

"Τὰ μὲν παρὰ σοῦ ἐλθόντα ὑπομνήματα θαυμαστῶς ἄσμενοί τε ἐλάβομεν καὶ τοῦ γράψαντος αὐτὰ ἡγάσθημεν ὡς ἔνι μάλιστα, καὶ ἔδοξεν ἡμῦν ἀνὴρ ἄξιος ἐκείνων τῶν παλαιῶν προγόνων. λέγονται γὰρ δὴ οἱ ἄνδρες οὖτοι Μυραῖοι εἶναι· οὖτοι δ' ἦσαν τῶν ἐπὶ Λαομέδοντος ἐξαναστάντων Τρώων ἄνδρες ἀγαθοί, ὡς ὁ παραδεδομένος μῦθος δηλοῖ. τὰ δὲ παρ' ἐμοῦ ὑπομνήματα, περὶ ὧν ἐπέστειλας, ἱκανῶς μὲν οὔπω ἔχει· ὡς δέ ποτε τυγχάνει ἔχοντα ἀπέσταλκά σοι. περὶ δὲ τῆς φυλακῆς ἀμφότεροι συμφωνοῦμεν, ὥστε οὐδὲν δεῖ παρακελεύεσθαι. ἔρρωσο."

Καὶ ὧδε μεν πρὸς ἀλλήλους αὐτοῖς ἔχουσιν αἱ ἐπιστολαί.

Β2 Γεγόνασι δ' 'Αρχύται τέτταρες: πρῶτος αὐτὸς οὖτος, δεύτερος Μυτιληναῖος μουσικός, τρίτος Περὶ γεωργίας συγγεγραφώς, τέταρτος ἐπιγραμματοποιός. ἔνιοι καὶ πέμπτον ἀρχιτέκτονά φασιν, οὖ φέρεται βιβλίον Περὶ μηχανῆς, ἀρχὴν ἔχον ταύτην, '' τάδε παρὰ Τεύκρου Καρχηδονίου διήκουσα.'' περὶ δὲ τοῦ μουσικοῦ φέρεται καὶ τόδε, ὡς ὀνειδιζόμενος ἐπὶ τῷ μὴ ἐξακούεσθαι εἴποι, '' τὸ γὰρ ὄργανον ὑπὲρ ἐμοῦ διαγωνιζόμενον λαλεῖ.''

Τον δε Πυθαγορικον 'Αριστόξενός φησι μηδέποτε στρατηγούντα ήττηθήναι φθονούμενον δ' απαξ έκχωρησαι της στρατηγίας και τους αυτίκα ληφθήναι.

3 Οθτος πρώτος τὰ μηχανικὰ ταῖς μαθηματικαῖς προσχρησάμενος ἄρχαῖς μεθώδευσε καὶ πρώτος 394

## VIII. 80-83. ARCHYTAS

This is Archytas's letter; and Plato's answer is as follows:

"Plato to Archytas greeting.

"I was overjoyed to get the memoirs which you sent, and I am very greatly pleased with the writer of them; he seems to be a right worthy descendant of his distant forbears. They came, so it is said, from Myra, and were among those who emigrated from Troy in Laomedon's time, really good men, as the traditional story shows. Those memoirs of mine about which you wrote are not yet in a fit state; but such as they are I have sent them on to you. We both agree about their custody, so I need Farewell." not give any advice on that head.

These then are the letters which passed between them.

Four men have borne the name of Archytas: (1) our subject; (2) a musician, of Mytilene;

(3) the compiler of a work On Agriculture; (4) a writer of epigrams. Some speak of a fifth, an architect, to whom is attributed a book On Mechanism which begins like this: "These things I learnt from Teucer of Carthage." A tale is told of the musician that, when it was cast in his teeth that he could not be heard, he replied, "Well, my instrument shall speak for me and win the day."

Aristoxenus says that our Pythagorean was never defeated during his whole generalship, though he once resigned itowing to badfeeling against him, whereupon the army at once fell into the hands of the enemy.

He was the first to bring mechanics to a system by applying mathematical principles; he also first

κίνησιν ὀργανικὴν διαγράμματι γεωμετρικῷ προσήγαγε, διὰ τῆς τομῆς τοῦ ἡμικυλίνδρου δύο μέσας ἀνὰ λόγον λαβεῖν ζητῶν εἰς τὸν τοῦ κύβου διπλασιασμόν. κἀν γεωμετρίᾳ πρῶτος κύβον εὖρεν, ὥς φησι Πλάτων ἐν Πολιτείᾳ.

## $K\epsilon\phi$ . $\epsilon'$ . AAKMAI $\Omega$ N

\*Αλκμαίων Κροτωνιάτης. καὶ οὖτος Πυθαγόρου διήκουσε· καὶ τὰ πλεῖστά γε ἰατρικὰ λέγει, ὅμως δὲ καὶ φυσιολογεῖ ἐνίστε λέγων '' δύο τὰ πολλά ἐστι τῶν ἀνθρωπίνων.'' δοκεῖ δὲ πρῶτος φυσικὸν λόγον συγγεγραφέναι, καθά φησι Φαβωρῖνος ἐν Παντοδαπῆ ἱστορία, καὶ τὴν σελήνην καθόλου¹ <τε τὰ ὑπὲρ> ταύτην ἔχειν ἀΐδιον φύσιν.

\*Ην δὲ Πειρίθου υίός, ὡς αὐτὸς ἐναρχόμενος τοῦ συγγράμματός φησιν· '' ᾿Αλκμαίων Κροτωνιήτης τάδε ἔλεξε Πειρίθου υίὸς Βροτίνω καὶ Λέοντι καὶ Βαθύλλω· ' περὶ τῶν ἀφανέων, περὶ τῶν θνητῶν σαφήνειαν μὲν θεοὶ ἔχοντι, ὡς δ' ἀνθρώποις τεκμαίρεσθαι ''' καὶ τὰ έξῆς· ἔφη δὲ καὶ τὴν ψυχὴν ἀθάνατον, καὶ κινεῖσθαι αὐτὴν συνεχὲς ὡς τὸν ἥλιον.

## $K\epsilon\phi$ . s'. $I\Pi\Pi A\Sigma O\Sigma$

84 «Ίππασος Μεταποντίνος καὶ αὐτὸς Πυθαγορικός. ἔφη δὲ χρόνον ώρισμένον είναι τῆς τοῦ κόσμου

 $^1$ καθόλου] καὶ θόλον dubitanter Apelt, coll. ii. 9: post καθόλου  $\langle \tau \epsilon \ \tau \grave{\alpha} \ \rlap/ v \pi \epsilon \rho \rangle$  inseruit Diels: ὅλον τὸν οὐρανὸν Zeller.

<sup>&</sup>lt;sup>a</sup> Cf. T. L. Heath, History of Greek Mathematics, i. 246-249. 396

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