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Making Direct Democracy Work. An economic perspective on the *graphe paranomon* in ancient Athens

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Making direct democracy work.

An economic perspective on the *graphe paranomon* in ancient Athens

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Abstract

The specific way the Athenians set up their democracy presents both theoretical and empirical challenges. Decisions were taken by majority vote in the Assembly. To keep politicians in line, the Athenians first used ostracism, which however was replaced by the *graphe paranomon* around 415 BCE. The latter provided that anybody who had made a proposal in the Assembly could be accused of having made an unconstitutional suggestion, bringing a severe penalty if found guilty. We know of 35 such cases between 403 and 322. During the fourth century the notion of illegality was extended to a mere question of undesirability. Henceforth *any* decision by the Assembly could be overturned by the courts, but if the accuser failed to get at least 20% of the jury votes, he was punished instead. While these rules can be seen as a safeguard against bad decisions, they also provided the Athenian politicians with important information about the relative strength of their political support. This effect has not been analysed before, and it may help explain the relative stability of political life in classical Athens. Furthermore this analysis also contributes to our understanding of a curious but often overlooked fact, namely that the decrees of the Athenian Assembly to a great extent concerned honorary rewards, and the use of the *graphe paranomon* in turn was largely focussed on the honorary decrees.

Keywords: Ancient Athens, *graphe paranomon*, direct democracy, judicial review, voter information, stability of policy, jury composition

JEL classification: N4, N43, H1

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Making direct democracy work

An economic perspective on the *graphe paranomon* in ancient Athens

“As the Athenians subjected their democratic institutions to ongoing scrutiny, we are rewarded with insights into democracy through perpetual reflection on Athens” (Schwartzberg, 2004, p. 324)

1. Introduction

Ancient Athens was the quintessential direct male participatory democracy where the *demos* (the citizens) deliberated and decided on all issues of public interest. Modern scholarship has identified several advantages of direct democracy.¹ First, the legitimacy and accuracy of the voting outcome, since decisions made directly by voters reflect accurately their preferences solving the well-known principal-agent problem that afflicts voting for political representatives. Second, contrary to elections where votes choose vague party platforms combining a range of policies for different issues, voting directly on an issue “unbundles” choices so that citizens focus on the issue to be decided. Third, direct democracy increases citizen political engagement and knowledge of the issue to be decided (which also leads to a better evaluation of the conduct of politicians).

However, these advantages rest crucially on voters having sufficient knowledge to choose the policy that best serves their interests. Voters may lack the information and sophistication required to decide policy, while elected politicians who develop expert knowledge in public policy issues are better equipped to choose policy. If voters lack that knowledge, the benefits of direct democracy are lost. It is even conceivable that a well-endowed interest group takes control of the campaigning in a direct vote forcing a policy that serves the objectives of the group at the expense of the majority of citizens.² In addition, policy making by politicians allows fine-grained choices instead of crude binary, yes–or–no, answers to complex policy issues.

Even the direct democracy of Athens needed to delegate responsibilities to individuals. The Assembly of the *demos* was not an amorphous mass, nor could it make spontaneous decisions. Solutions to issues of public interest needed to be proposed, implemented and administered.

¹ See Matsusaka (2004, 2005a and 2005b); Besley and Coate (2008) and Mueller (1996). This literature has developed in relation to direct democracy instruments, like the popular initiative and the referendum, which often supplement decision making in modern representatives democracies.

² See Matsusaka and McCarty (2001) for the case of popular initiatives.

Political entrepreneurs motivated by policy objectives and ego rents emerged who wished to lead and receive recognition as “protectors” of the demos. They debated their proposed policies in the Assembly of the demos and then the Assembly voted. In addition, Athens had to fill public offices including the posts of generals who would lead the army at war, financial officers, councillors to carry out the day-to-day management of the city-state, and many other administrative magistrates.

The Athenians knew that deceptive advice from political leaders pursuing private agendas and inappropriate conduct in office would put at risk the democratic constitution and could lead to disaster. They had also realised that unfettered decision-making by the Assembly could bring political and legal unpredictability and this uncertainty could have ruinous results.³ Two factors compounded the problem of unpredictability of decisions under democracy. First, the composition of the Assembly likely varied from meeting to meeting and the decision taken in one Assembly did not bind the decisions of a future Assembly. Second, the use of simple majority rule instead of super majority, which has the potential to make voting outcomes more stable, implied that public policy could easily be changed as preferences and experiences changed in society.

Like modern democracies, the Athenians had to establish mechanisms of political accountability. In modern democracies, rejection of a party at the polls is a most effective mechanism. Judicial review of policy and impeachment proceedings against serving public post-holders offer additional means of accountability. There were no political parties in the Athenian direct democracy; nor was there party alteration in government the way it is understood in modern democracies. Although citizens could vote down proposals, the politicians who proposed them were not voted in or out of office, and if they had lost a vote, they could still propose the same or other policies. In the fifth century, under certain conditions, ostracism (see below section 3) could remove political leaders. Around 415 BCE, a new instrument for checking wayward political leaders emerged, the *graphe paranomon*, a prosecution brought by any citizen against a proposer of a measure for being against the constitutional law.

³ Thucydides developed a theory of how the Athenian practice of public decisions made by large numbers of random Assembly-goers could err when the speaker was not in the mould of the virtuous political expert (Carugati et al. 2016b).

In this paper, we study the *graphe paranomon* in the direct democracy of ancient Athens as practiced in the period 403–322 BCE,⁴ and how it dealt with some of the information problems inherent in direct democracy institutions. This period is chosen because after the defeat in the Peloponnesian war in 404, the Athenians undertook a revision of the institutional structure of their democracy, while the democracy ended in 322 after being defeated by Macedon.

The present inquiry is a part of a small but steadily growing literature using the methods of modern economics, and social science more generally, to study the ancient world.⁵ This paper argues that the existence of the *graphe paranomon* in combination with the way the Athenian appointed those who were to serve as jurors in the courts had several important and previously unrecognized implications for the Athenian society. (1) Using the *graphe paranomon* on honorary decrees provided information on the relative strength of the popular support for different politicians. (2) The *graphe paranomon* transferred the political power to the courts, where not only the social composition was different from that in the Assembly; but also (3) the outcome of voting was relatively predictable. (4) The use of the *graphe paranomon* was in practice a low-cost political instrument for leaders who had learnt that they had a stable majority in the courts.

The paper is structured as follows. Section 2 presents the institutional structure of the Athenian direct democracy of the fourth century BCE. Section 3 details the special provisions aimed at protecting the democracy, in particular the *graphe paranomon*. Section 4 looks at extant information about the use of the *graphe paranomon*. The focus of this procedure seems to be the honorary decrees, a curious fact left unexplored in the literature. In section 5, we offer an economic analysis of the *graphe paranomon*, and argue that an important side effect of the *graphe paranomon* was to provide the Athenian politicians with information about the strength of their political support. The specific way the Athenians set up their political and judiciary institutions reduced the uncertainty in political decision-making, and most likely enhanced the stability of Athenian public policy thereby contributing to the relative success of the Athenians in the fourth century. Section 6 concludes.

2. The institutions of democracy in ancient Athens⁶

⁴ Women, slaves and foreigners had no political rights. Nevertheless, to the ancient Greeks, Athens was a democracy and very different from city-states that, e.g., applied property qualifications for political rights.

⁵ For book length treatments see Lyttkens (2013), and Ober (2008) and (2015).

⁶ The description of the institutional arrangements in classical Athens builds mainly on Hansen (1999) unless otherwise stated.

2.1 The emergence of democracy

After a period of tyranny, the aristocratic conflicts in Athens brought Kleisthenes of the Alkmaionid family to power in 508/7, but only after his appeal to the common people for support. These actions and the ensuing reforms of Kleisthenes were probably the spark that set off Athens on a path to democracy.⁷ By turning to the common people for support, Kleisthenes set an important example. Over the years to come, members of the elite introduced democratizing measures to gain popular support, thereby ironically contributing to a process that meant that there were fewer and fewer institutions that the aristocracy could control directly (Ober 1989, p. 85).

It is only occasionally that we can date the democratizing institutional changes. For example, in 462 BCE, the aristocratic council of the Areopagos was deprived of almost all its judicial powers, which were transferred to the Assembly and to courts manned by ordinary citizens. In 451/0 Perikles introduced pay for jurors so that even the poor could afford to serve on the courts.⁸ Offices became in practice open to citizens of all classes. It is generally believed that payment to magistrates was introduced about the same time as for jurors.

Towards the end of the fifth century, the Athenian Assembly had extensive powers. It passed decrees and decided on laws, some of which were inscribed on stone, and could also act as court in political trials. All citizens could attend the Assembly meetings, take part in the debate and vote on the proposals.

The issues taken up in the Assembly were first prepared by the Council of Five Hundred. Sometimes the Council sent an issue to the Assembly as a closed choice suggesting what the Assembly should decide, other times as an open choice. Each year, 500 Councilors, 6,000 potential jurors for the courts, and 600 magistrates were chosen by lot (sortition). The Athenians viewed lottery as democratic, while election was seen as elitist.⁹ A few magistrates were elected, most importantly the board of ten generals. A citizen was only allowed to serve as a particular magistrate once in his lifetime; he could serve twice on the Council though not in consecutive years. The consequence of this amazing set of rules of rotation is that about one third of the citizens would have had practical experience of running the democracy. Hansen (1999, p. 313–

⁷ Kleisthenes did not necessarily have democratic intentions, but even if he did not, his actions probably were instrumental in triggering the move towards democracy (Lyttkens 2013).

⁸ Cf. Lyttkens and Gerding (2017) for a rational-actor perspective on the politics of Perikles in mid-fifth century Athens.

⁹ See Tridimas (2012) for a rational choice account of the use of sortition in ancient Athens.

14) estimates that every second citizen above 30 would have served on the Council at least once in his life time. This provided a very unusual environment for politics. The way in which the political system worked must have been more widely known and understood than in our modern democracies.

In the decade following the Sicilian disaster in 415 BCE there was a lively debate in Athens on the relative merits of different political systems. After Athens had been defeated by Sparta in the Peloponnesian War, an oligarchic regime was set up with Spartan help, but democracy was soon restored in 404/3.

In the fourth century debates, it was typically claimed that proposals for institutional change represented in fact a return to the times of the early 6th century reformer Solon. This indicates that the Athenians did not consider the reforms as revolutionary shifts that broke with the past, but as evolutionary changes that took place within the confines of the law. As it turned out, the Athenians however *did not* simply return to old political and judicial rules. In 403–399, the constitution and laws were revised. A distinction was introduced between laws (*nomoi*, general permanent rules that apply to all individuals) and decrees (*psephismata*, applying to a specific person or matter or for a limited period). In 403, the right to pass laws was transferred from the Assembly to boards of citizens known as *nomothetai* (lawmakers), and most legal cases became exclusively the task for the courts. *Psephismata* were passed by the people in the Assembly. Around 355 the last jurisdiction in political trials was transferred from the Assembly to the courts.¹⁰ The pivotal role that courts played in the fourth century also explains why political life was dominated by the orators who unlike the 5th century statesmen were not elected generals. As Headlam (1891) astutely observed, when elections lack partisanship, accusation and condemnation in the court become the means for hurting political opponents. “The passions which with us find expression at elections could there find no vent except in law – courts ... Political persecution was the recognised way of injuring an opponent” (p.36)

¹⁰ Canevaro (2015) argues that the ratification of laws by panels of legislators specifically appointed for this purpose and reviews of decrees by the courts through the *graphe paranomon* did not limit popular sovereignty. Instead, it formalised the right of the demos to introduce new laws and change existing ones. Similarly, Cammack (2017) goes as far as suggesting that judicial panels better encapsulated the rule of the demos, because their members were the common people instead of the political leaders). We however follow Hansen (1999) who argues that there were substantial differences, several of which connected to the revision in 404/3.

2.2 The Assembly and the courts

There were ample of opportunities for those who wished to bring an issue to the Assembly. In the second half of the fourth century Athens, there were slightly more than forty Assembly meetings¹¹ and about 175–225 court days (courts did not meet on Assembly days). Voting in the Assembly was by show of hands.¹² The magistrates who led the proceedings made a visual assessment of which alternative had the majority – there was no actual counting of the votes. In the courts, on the other hand, voting was by secret ballot. It is likely that many Assembly decrees related to simple, uncontroversial and routine matters, unanimously accepted and quickly disposed of without voting in the Assembly meeting (Hansen, 1999, pp. 139–140). As soon as there was one citizen against the proposed decision, however, there would be regular voting. While all adult citizens above the age of 20 years could attend the Assembly, jurors in the courts had to be at least 30 years of age.

All citizens could speak in the Assembly but not everybody did. Those who were consistently active in the Assembly (acting as professional or semi-professional policy makers) are usually called 'speakers' (*rhetores* – *orators*) in the sources, but in the modern literature, they are often called politicians, and this is the convention followed here. It may well be that many citizens spoke up on rare occasions in the Assembly. According to Hansen (1999, Ch. 11), however, there cannot have been more than twenty or so politicians active at any given time, and fewer than a hundred during the whole period 403–322. Although there were no political parties in ancient Athens, a politician might have had some more permanent followers.

The courts were trying civil, penal and political cases. The courts furthermore scrutinized the suitability for office of potential magistrates, and their conduct when in office, the so called *dokimasia* and *enthynai* procedures respectively. In addition, the Athenians regulated political behavior by the *eisangelia eis ton demon* – a public prosecution of someone for having engaged in an attempt to overthrow the constitution, for treason, or for political corruption (often used against military commanders).

Private law suits also had a significant political element. As soon as a politician appeared as a disputant on a court, the trial could become a part of the struggle for power. Those engaged in private suits frequently referred to their own expenditures for the common good to convince the jurors of their value to the community. This does not mean, however, that all private suits were

¹¹ See Tridimas (2017) for a rational choice analysis of the frequency of Assembly meetings.

¹² Votes on ostracism and grants of citizenship, where actual ballots were cast, were important exceptions.

political. On the contrary, it seems entirely plausible that the political cases constituted a small proportion of the total in private law suits. Rhodes (1998) provides a vivid picture of how both public and private law suits could become entangled as prosecutions and accusations exchanged, in particular if those engaged were personal rivals.

A court sat for one day only and often handled just one case. This contrasts with the Assembly where a number of issues were dealt with in the space of half a day. At the beginning of each year, 6,000 citizens were selected by lot among those willing to act as potential jury members. All male citizens above 30 were eligible. Those who were selected then took the so-called *Heliastic Oath*. On a court day, the selection of jurors for the courts began by using lottery to decide which of those individuals that (a) were members of the 6,000 panel, and (b) had turned up for jury service that particular day were selected to actually serve on a court. The total number of jurors needed for a court day was probably around 1,500–2,000 (Hansen 1999, p.187); a *graphe paranomon* required at least 501 jurors. Finally, with the set of jurors for the day selected, these jurors were then (c) allocated to the different courts, again using lottery. A most significant aspect of the lottery procedures was to prevent bribery.

2.3 Economic consequences of attending the Assembly or serve as a juror

In the fourth century, citizens attending the Assembly received monetary compensation. The compensation was 3 obols by 390 (i.e., 0.5 drachma), and 6–9 obols in the 330s.¹³ Daily wages probably increased from 1 drachma to 1.5–2.5 drachmas during the course of the fourth century;¹⁴ hence, those attending the Assembly were adequately compensated for an Assembly meeting which usually took only half a day. Jurors in the courts received 3 obols, a sum that seems to have remained unchanged throughout the fourth century, implying a gradually reduced compensation rate given the wage increases just mentioned.

There has been considerable scholarly interest in the composition of the courts. Two types of inquiry have been pursued: first, how the speakers addressed the audiences, and second, the economic sacrifice various groups would make if they acted as jurors. There is no consensus with respect to the former. For the latter, it seems relatively clear that acting as a juror became less and less attractive as the fourth century went on implying that juror service would be relatively

¹³ According to the Attic standard, six obols equaled one drachma, 100 drachmas constituted one mina, and 60 minae made up one talent, so one talent equaled 6,000 drachmas.

¹⁴ Cf. Loomis (1998). Members of the Council of Five Hundred too were paid the average daily wage. For other magistrates, however, payment was probably discontinued after the Peloponnesian war (Hansen 1999, pp. 248–9).

more popular among the well-off and among the old and the disabled (who lacked better alternatives such as gainful work). In fact, it seems likely that the poor would often find it too expensive to attend a court. It was by no means certain that a member of the 6000 – panel turning up for jury service would win the lot and be actually picked for service.¹⁵ Scheidel (2010) has calculated the subsistence level of wages by comparing wages with wheat prices, and concluded that in Athens one drachma represented somewhere between 1 and 2.4 times the subsistence level. It follows that a payment of one expected obol was far below subsistence (between 20% – 40% of the money needed to maintain a family). We doubt that this option would attract poor citizens if they had gainful work as a realistic alternative.

On the other hand, this does not mean that only the rich turned up as jurors or constituted a majority in the courts, if nothing else because there were too few of them. It is often assumed that the richest liturgical class was only 300 persons strong and that adding the second property class (of four) adds perhaps 1,200 individuals. Obviously some jurors would also have belonged to the third property class (the hoplites), and some to the fourth (the *thetes*). Nor should we assume that a poor person necessarily voted against the rich in court (and vice versa). In view of the falling compensation rate, it seems likely that overall the relative influence of the well off in the courts gradually increased as we move through the fourth century. The latter inference is also supported by the fact that the rich could afford to hire orators – speechwriters – to argue in their favour in the court. This fits the overall picture suggested in Lyttkens (2013), that the Assembly, the institution where the common citizens were most influential, lost power in the fourth century to other institutions where members of the elite had relatively more influence (the courts). We note that for the purpose of the current investigation, the exact composition of the courts matters less than the fact that we can expect substantial differences in the preferences of the median voter in the Assembly and the courts respectively.

It bears noting that Assembly pay, which made it easier for the poor to attend the Assembly, was introduced at a time when the Assembly lost part of its power to the courts. An economic interpretation of this development is that with the loss of the empire, the Athenians could no longer credibly commit not to increase taxation of the rich. In order to prevent a coup from the rich, some political and/or financial concessions to them were necessary, which is what we see occurring in Athens (Lyttkens 2013, Ch. 4). In this context, the use of the *graphe paranomon*, a

¹⁵ Take for example an individual who on a given day shows up for juror service along with 3,000 others, and assume that 1,002 jurors are needed on that day for two courts with 501 jurors each. Thence, the expected benefit is 1 obol (i.e., 3 obols if selected multiplied with 1/3 probability of being selected).

court procedure, can be seen as one factor among several that increased the relative influence of the well off.

Finally, Athenian jurors were amateurs rather than legal professionals. In any trial, there were neither lawyers, nor public prosecutors nor judges. The forensic speeches did not confine to legal arguments only but made references to the character of the individual tried although it might not have been materially important to the trial. Similarly, the court was not obliged to follow any kind of legal precedent. The broad popular participation and lack of legal expertise characterizing the legal system of Athens implies that the court was an inextricable complement to the democratic constitution.

3. The *graphe paranomon*

The Athenians were painfully aware that there was nothing preordained about the continued existence of their democracy. In the Greek world at the end of the fifth century, violent change of political regime was common. Hence, policy measures to protect the democracy were presumably welcomed by the majority of citizens. For about a hundred years, ostracism, most probably introduced already by Kleisthenes in his reforms of 508/7, was the main safeguard against oligarchic coups in Athens. Each year, at its first meeting the Assembly was asked whether to hold an ostracism vote that year. If the answer was affirmative, then at a later meeting, the citizens could vote on *who* they wanted banished. A person who was ostracized had to go into exile for 10 years, but otherwise suffered no loss of property or of citizen rights. Only one person could be ostracized any particular year. There are ten attested ostracisms, the first in 487 and the last in 415, although the law remained valid until the end of the democracy.¹⁶ Hansen (1999, p. 205) argues that around the year 415, ostracism was for practical purposes replaced by *graphe paranomon* as a means to discipline the Athenian politicians. The *graphe paranomon* was a public prosecution of someone for having made an unconstitutional proposal in the Assembly.

The shift from ostracism to the *graphe paranomon* changed the focus away from individuals and towards decisions. Instead of temporarily removing a person any number of politicians or others could be punished for making bad suggestions in the Assembly. It cannot have been a coincidence that this shift occurs precisely at the time when the Athenians suffered the

¹⁶ See Lyttkens (2013) and Tridimas (2016) for an account of the introduction of ostracism as a utility maximizing strategy of Kleisthenes.

consequences of what turned out to be an extraordinarily foolish decision, namely to send a large expedition force to Sicily. This ended in 413 with the complete destruction of the Athenian land and sea forces in Sicily. This decision had not been prevented by ostracism. In fact, the last known ostracism took place in 415 on the initiative of Hyperboulos with a view to get rid of either Nikias or Alcibiades. Instead, Hyperboulos was ostracized, while Nikias and Alcibiades were appointed leaders of the Sicilian expedition. Against this background, it must then have been attractive to pay more attention to the contents of the Assembly decisions. In the fourth century, the Athenians regarded the *graphe paranomon* as the main instrument for the protection of democracy.¹⁷

The *graphe paranomon* was a so-called public prosecution, which means that the alleged crime concerned a threat to all Athenians. In classical Athens, there were no public magistrates for prosecuting citizens who tried to overthrow the constitution or committed other crimes; the whole judicial system relied on private initiatives. As with private lawsuits, the *graphe paranomon* prosecution came from a private citizen.

The principle behind the *graphe paranomon* was that the people by definition were never wrong, so if the Assembly took a bad decision, it must have been because the citizens had received bad advice from someone who ought to be punished when found out. Consequently, a politician would presumably often prefer not to give voice to his own proposals, but have someone else to do so. The *graphe paranomon* provided an opportunity to prosecute anybody who made suggestions in the Assembly. The punishment could be severe, e.g., a heavy fine that left the condemned with a life-long debt to the state.

At the same time, it was not without risk to appear as a prosecutor in a public trial. If the prosecutor did not get at least 20% of the juror votes he was fined 1,000 drachmas (a huge sum in comparison to the daily wage of 1.5–2.5 drachmas) and was no longer allowed instigating such court proceedings. Similarly, if the prosecutor withdrew his accusation, he was also fined 1,000 drachmas. The *graphe paranomon* indictment could be brought up to one year after the proposal in the Assembly. With a *graphe paranomon*, a court could overturn any decision by the Assembly. If a person had been condemned three times for coming up with an unconstitutional proposal, he would be punished with (among other penalties) the so-called *atimia* (meaning loss of honour) and be deprived of all political rights, the right to legal protection and the right to enter the marketplace and the sanctuaries. In contrast to ostracism, there was no limit on the number of

¹⁷ For example, "abolition of the *graphe paranomon* is as good as abolition of the democracy" (Demosthenes 58.34, quoted from Hansen 1999, p. 210).

times the procedure could be used, but it also implied a less severe punishment to those found guilty.

The *graphe paranomon* appears to have been popular: we know of relatively many (35) cases of *graphe paranomon* between 403 and 322 (Hansen 1974, 1999, p. 205–208). The notion of unconstitutionality was extended in the course of the fourth century to include plain undesirability (Hansen 1999, p. 207). As a consequence, "any decree without exception could be attacked as unconstitutional" (Hansen 1999: 205-206). The *graphe paranomon* thus provided an important link between Assembly decisions, court decisions and Athenian policy. Similarly to the *graphe paranomon* which concerned decrees of the Assembly, there was an analogous procedure to prosecute someone for having suggested an unsuitable law (*graphe nomon me epitedeion theinai*), though it appears that it was not used nearly as much as the *graphe paranomon* (Hansen, 1999, p.212, notes that we only know of six such cases from the orators).

4. The honorary decrees: the prime targets of the *graphe paranomon*

Combining literary evidence and evidence from inscriptions, Hansen (1999, p. 156) concludes that we know of some 766 decisions by the Athenian Assembly between the years 404–322 BCE. The content of these decrees is known in 666 cases. Over the 82 years, there would have been around 30,000 decrees in total (Hansen 1999, p. 156). So our sample comprises roughly two per cent of all decrees. Hansen argues that while the literary evidence obviously is biased, the preservation of inscriptions is random. This seems unfortunately optimistic. One can easily conceptualize several systematic selection processes between the decision itself and our records of it. For example, many Assembly decrees were honorary ones, i.e., they provided for the Assembly to praise some worthy individual and/or, in case of foreigners, to grant him Athenian citizenship. The beneficiaries of such decrees had an obvious personal incentive to ensure that the decision was recorded on stone (perhaps they were even being prepared to fund the inscription privately) lest it be forgotten by later generations. Nevertheless, the surviving Athenian record seems to indicate some interesting features in particular regarding the use of the *graphe paranomon*.

Table 1 shows the distribution of decrees and *graphe paranomon* on five categories of issues: i) honorary decrees including grants of citizenship, ii) war and foreign policy, iii) religion and festivals, iv) finance and public works, and v) other.

Table 1: Number of decrees and *graphe paranomon* in different categories in Athens, 404-322 BCE (percentage in brackets, sums along rows)

	Honorary decree or citizenship grant	Warfare and foreign policy	Religion and festivals	Finance and public works	Other	Total
666 decrees	362 (54%)	192 (29%)	35 (5%)	17 (3%)	60 (9%)	666 (100%)
35 <i>graphe paranomon</i>	18 (51%)	4 (11%)	0 (0%)	5 (14%)	8 (22%)	35 (100%)
Source: Hansen (1974; 1999 p. 156).						

The number of decrees known to us varies substantially across categories (Table 1, first row). What immediately strikes the modern observer is the number of honorary decrees. This category claims the largest share of Assembly decrees – 362 honorary decrees (including grants of citizenship) comprising 54% of the total number of decrees. The material that has come down to us thus suggests that honorary decrees were much more common than the decrees of the second largest group, those dealing with foreign and military policy (192 decrees, 29% of the total).¹⁸ With respect to the distribution of the *graphe paranomon* across categories several aspects seem intuitively plausible. It is no surprise that seemingly little controversy surrounded religious issues – we do not have evidence of a single decree of this category being challenged by a *graphe paranomon*. Conversely, recognising that tax and expenditure policies often generate winners and losers, the substantial number of *graphe paranomon* directed to public finance issues may be explained by the attempts of those harmed by such measures to reverse their losses.

In the following, we focus on two questions arising from the Athenian record as detailed in Table 1. First, the relatively large share of honorary decrees in the issues dealt with by the Athenian Assembly, and second, the reasons why honorary decrees were so often challenged by a *graphe paranomon*, eighteen out of our 35 cases or 51% of the total.¹⁹

¹⁸ Hansen (1999) argues that this evidence (and also the literary evidence) shows that this "was the Assembly's most important field of action." It is not obvious to us how this reasoning goes, unless it is on a priori considerations (e.g., warfare *must* be more important than honorary statues).

¹⁹ It is tempting to compare the proportion of decrees being challenged by a *graphe paranomon* across categories. However, the numbers of decrees and the numbers of *graphe paranomon* are not strictly comparable. They are both biased but we do not know how, only that it is unlikely to be by the same

According to Hansen (1999), the frequency of honorary decrees is explained by the nature of the Athenian democracy. Rewards and punishments of individuals was an important and integral part of the Athenian political system, as emphasized by the orators.²⁰ The proliferation of honorary decrees does indeed seem like a natural consequence of an important trend in Athenian society. In the fifth century BCE, rich citizens were expected to undertake various duties for the benefit of the whole population. The most important of these so-called liturgies were the trierarchy, paying for the running costs of a trireme for a year, and the *choregia*, which financed a performance at one of the religious festivals. To perform such liturgies was seen both as an obligation and as an honour. Originally, this system of “public finance” rested largely on voluntariness. To undertake such expenditures was a way of gaining status and recognition as a leading person in society. However, the system gradually became more like a tax that people tried to avoid. In the fourth century, we hear frequent complaints about “tax evasion”, i.e., people trying to avoid these expenditures.²¹

The vast amount of honorary decrees may signal that the status and honour informally accorded to the liturgists were increasingly becoming insufficient as incentives. As a result, in the fourth century great numbers of decrees bestowed honour on benefactors to the community, awarded them golden crowns or ordered statues to be erected in their honour.²² Awarding honorary decrees looks like a reasonable way of trying to sweeten the deal for the rich elite by finding new ways to thank them for their services to the community, and securing their continued support for the democracy. This interpretation goes hand in hand with the observation that the fourth century realities motivated financial and political concessions to the well-off (section 4 above). However, this interpretation does not answer our second question of why the use of the *graphe paranomon* was so concentrated on the honorary decrees, nor does it explain why the *graphe paranomon* was so popular.

Hansen (1999) argues that the *graphe paranomon* was used surprisingly often. “We possess no fewer than thirty-five examples of its use in the period 403–322, and that *is a very large number* if one thinks how limited our sources are” (Hansen, 1999, p. 208, emphasis added). Furthermore,

source of bias. The process of preservation differs between inscriptions and literary sources, and the reliance on these sets of sources varies across categories. Approximately 70% of the decrees are known to us from inscriptions, while the remaining 30% are quoted, paraphrased or referred in the literary sources (Hansen, 1999, p. 156). In contrast, information about the *graphe paranomon* comes almost entirely from the literature (Hansen 1974, pp. 28-41).

²⁰ Hansen (1999), p. 157; Demosthenes 20.154, 24.215.

²¹ Gabrielsen (1986), Lyttkens (1994).

²² Schwartzberg (2004) notes that decrees awarding honours lacked entrenchment clauses (which would provide for the decree not to be amended). She takes that as evidence of the Athenians recognised that the beneficiary might later harm the city, so that the honour could be withdrawn.

"the vast majority of Athenian political leaders must, at least once and often more than once in their careers, have been sent before the courts to defend the proposal that they had made in the Assembly [...] There is nothing against supposing that the jurors must have judged a *graphe paranomon* something like once every month." If this figure is in the right order of magnitude, as seems likely, the total number of *graphe paranomon* in the period 403–322 would have been in the order of 800.²³ The *graphe paranomon* would certainly have been a conspicuous feature in the political life of the Athenians. What made it so?

5. Understanding the use of the *graphe paranomon*

5.1 Thinking twice

The most obvious feature of the *graphe paranomon* is that it provided the Athenian citizens with an opportunity to think once more about an issue. This probably seemed sensible and important.²⁴ For example, Thucydides (III. 1-49) tells us how the Athenians in 427 BCE decided in an Assembly meeting to punish the inhabitants of Mytilene by killing all men and selling the rest of the population as slaves, and it was pure luck that gave them an opportunity to change this decision before it was implemented. Another well-known example of a hasty decision is when eight of the victorious Athenian generals after the battle of Arginoussai in 406 BCE were collectively sentenced to death because they failed to pick up survivors (Xenophon, *Hellenika* 1.7.1-35). This decision probably left the Athenians virtually without naval military competence (making the defeat against Sparta almost inevitable).

Since the *graphe paranomon* meant that an Assembly decision would be reviewed by an Athenian court, the *graphe paranomon* was by definition a kind of judicial review, as noted in the literature. In the modern world, this form of review can be seen as an insurance against radical changes in policy (Tridimas, 2010). Although this is not strictly applicable to ancient Athens, we can reasonably argue that the possibility to appeal a decision in the Assembly to a court is also a kind of insurance, namely against too hasty decisions. Similarly, the characterization of the *graphe paranomon* as a judicial review needs to be informed by the Athenian context. As already described, the judicial body was not independent of the current government in the modern sense of the word. In Athens there was no high court with judges on life-time tenure. The composition of the body where the judicial review took place (the Athenian courts) resembled the Assembly

²³ The Athenian year was divided to ten administrative periods, and each one of the ten tribes presided over the Council one tenth of the year.

²⁴ Cf., e.g., Kahneman (2011) on the difference between reflected decisions and hasty ones.

itself in that it was a sample of the population at large, but it also differed in composition from the Assembly.

The *graphe paranomon* could be initiated up to one year after the proposal in the Assembly. This gave the voters an opportunity to investigate the consequences and evaluate the policy ex post. The *graphe paranomon* provided an instrument to punish those who turned out to have given bad advice. The evaluation was complex as the outcome depended not only on the efforts of the politician but also on the influence of unpredictable exogenous factors. *Graphe paranomon* reviewed both legislation (as in standard judicial review) and politicians (as in political accountability of politicians who proposed measures to the Assembly). Yunis (1988) divided the review into two parts, a legal plea, where the decree under indictment is in conflict with one or more laws, and a political plea, where the decree was inexpedient for the Athenians (and if it granted citizenship, the beneficiary of the grant was unworthy of it). He argued that both parts were necessary. The legal issues were assessed against the communal law code and the political issues against the community's best interests, although some tension between them was not precluded. For Schwartzberg (2004) the punishment implied by the procedure resulted in increasing the credibility of existing laws. Specifically, during the fifth century direct democracy there were few, if any, effective constraints on the Assembly to change any law in response to new circumstances, because of the application of the simple majority rule and of the changing composition of the Assembly from meeting to meeting. The ensuing flexibility of laws voted implied legal uncertainty and unpredictability.

Not all ancient historians subscribe to the view that Athens operated judicial review. Cartledge (2016, p. 223) writes: "there was no modern notion of the separation of powers in the Classical Athenian democratic polis, and no Supreme Court." Since it was the demos who decided in the Assembly and the demos who judged in the courts, separation of powers was not clear-cut. Nevertheless, this does not negate the fact that the demos-in-court could review and override the demos-in-assembly. Moreover, the demos-in-court did not pass new measures, it only decided on whether the decree of the Assembly stood or had to be annulled and its proposer punished.

In his discussion of the *graphe paranomon*, Hansen (pp. 209–210) enumerates several ways in which the *graphe paranomon* could have improved the decisions of the Assembly in the eyes of the citizens. Jurors were on average older than participants in the Assembly and there was great respect for the wisdom of the elderly. A court usually spent considerably more time on a particular issue than the Assembly, and the parties could prepare themselves before the debate in

the court. Finally, the court vote was secret and the votes were actually counted, which is more likely to reflect the true preferences of the population than a show of hands.

This may all be true, but it still cannot explain why the *graphe paranomon* so often concerned honorary decrees, unless politicians simply grabbed every opportunity to strike against each other. The latter explanation seems possibly to be advanced by Hansen (1999, p. 210) when he states that "the frequent use of the *graphe paranomon* is doubtless due to the fact that in Athens there was often sharp conflict between groups of political leaders. The group that lost a vote in the Assembly often refused to accept defeat and made use of the possibility of appeal to the courts." However, a more articulate explanation requires a more systematic statement of the net benefits that politicians derived from using the procedure.

Suppose an Athenian citizen considers proposing in the Assembly that honours should be bestowed upon somebody. The costs are easy to see: he would run the risk of being punished through the *graphe paranomon* trial. The benefits are less clear but there must have been some, otherwise why would anyone ever make proposals in the Assembly? Most probably they related to the gratitude of the beneficiary of an honorary decree towards the proposer and even more so upon realising that the proposer took a risk by suggesting the decree. This may be politically important, not least because the beneficiaries of honorary decrees were rich individuals who had financed important projects.²⁵ This may explain why an Athenian politician would take the risk of being impeached under a *graphe paranomon*. It comes as no surprise that among the 35 cases of *graphe paranomon* identified by Hansen, several of the decrees were intended to confer honour to more than one person (6 out of 18 honorary decrees). This would create large numbers of thankful beneficiaries.

5.2 Modelling the political market in Athens

A politician derives utility from the status accorded to the person in charge of Athenian policy (winning votes) but also from the pursuit of specific policy goals. Additionally, some of the politicians who made proposals to the Assembly probably profited from their political activities; for example, Demosthenes is reported to once having been paid for *not* taking part in the debate in the Assembly (Hansen 1999, 274-76). To simplify, but without loss of generality, we proceed by assuming two competing politicians. Both politicians and voters are assumed to be rational, by which we mean that they have reasonably well-defined preferences over outcomes.

²⁵ Of the identifiable proposers and accused in Hansen's collection of *graphe paranomon*, roughly 50% appear in Davies' (1971) *Athenian propertied families*.

The likelihood that a citizen would vote for a proposal is assumed to depend on two factors. (a) His utility from the likely effects of the proposal. (b) The characteristics of the politician making the proposal, including his perceived character, competence and reputation. The citizens would often have had limited knowledge about the issue at stake in a debate in the Assembly, and they would therefore look to the politicians for guidance.

That the character and reputation of a politician was important is illustrated by the fact that when politicians engaged in court disputes (either public or private), they emphasised that their own reputation was good in contrast to that of their opponents. For example, in a dispute over inheritance, one finds arguments concerning the politician as a person, whether he had paid his taxes, had taken on liturgies, was kind to family and friends, and did not show immoral sexual behaviour, none of which would have had anything directly to do with the inheritance.²⁶ When choosing whether to support a particular leader or his opponent, the voters' perceptions of the different leaders and their previous proposals would be important.

5.3 Pitfalls of direct democracy

Carugati et al. (2016a) suggest that there are two major threats from judicial review of the Athenian kind in a direct democracy. First, there is the partisanship threat, i.e., the possibility that the (poor) majority uses its political power to benefit themselves at the expense of the rich minority. This may cause the rich minority to attempt a drastic and fundamental change in the rules of the political game, in short, to abolish democracy by unconstitutional or violent means. Such internal conflicts are detrimental to social peace and economic growth. However, for their two centuries of essentially democratic rule, with the exception of the two oligarchic episodes in 411 and 404, the Athenians avoided violent internal conflicts (*stasis*). The absence of violent internal conflicts was arguably an important contributory factor to Athenian success vis-à-vis their contemporary competitors.²⁷ The *graphe paranomon* was an integral part of this balance between the rich and the poor, as it meant that political power was transferred from the Assembly (where the poor majority was strong) to the courts, where the well-off had relatively more influence.

²⁶ To the extent that these aspects were not included in the laws of the Athenians but nevertheless affected verdicts, courts enforced social norms (Lanni 2009). In so far as these "irrelevant" factors were taken into account by the jurors, ancient Athens was not entirely "ruled by law." Cf. also Rhodes (1998) mentioned above.

²⁷ For a forceful statement regarding the Athenian success, its causes and consequences, see Ober (2008).

The second threat pointed out by Carugati et al. (2016a) is the risk that decisions may be inconsistent and unpredictable. They show that policy proposals in a direct democracy will not necessarily converge upon the preferences of the median voter. An implication of this is that a small shift in majority could lead to substantial changes in policy. This could be both disruptive and costly and a threat to the survival of democracy. At first sight, a democracy of the Athenian type seems predestined to suffer from inconsistent and highly variable policies.

Athenian politicians had limited information about the distribution of preferences in society in general (even though they arguably had better knowledge about them than politicians in a modern parliamentary democracy). Similarly, the distribution of preferences among those who attended the Assembly would only be imprecisely known. It is not unlikely that majority outcomes swung substantially in the short-run between consecutive meetings of the Assembly, especially since there was no mechanism to stop someone from suggesting that a previous decision – even a recent one – should be changed, once again implying decision instability and a waste of resources. This issue has attracted much less attention in the literature than the partisanship threat. We do not know how much the composition of the Assembly varied in the short run, nor could an Athenian politician have known this with precision, though presumably they knew a good deal about the extent to which it was likely that the same people appeared in the different Assembly meetings. The common Athenian farmer and those he hired to work for him often faced a considerable opportunity cost when devoting time to attend the Assembly and thus could be expected to travel to the Assembly mostly on special occasions. There would likely have been a non-trivial seasonal variation in the attendance of this group.

It would have been difficult for politicians to predict how the voters in the Assembly would choose, in particular if the issue was a complex one, such as, whether to go to war.

5.4 Voting on honorary decrees and the support for the politicians

However, the situation would be substantially different if there was an issue of no particular interest to the voters. In this case, voting on the issue would largely be determined by the politicians' characters and reputations. As a result, voting on issues that the citizens *did not* care much about would produce information about the reputation of politicians.

We suggest that the honorary decrees could constitute a reasonably good approximation of such an issue. Arguably, more often than not, the Athenian voters did not much care whether a particular person was honoured or not. Consequently, voting on an honorary decree would likely

be determined by the reputation of the politicians concerned.²⁸ Further, a court decision on an honorary decree with two politicians opposing each other would tell the politicians a lot about their relative support among the jurors in the court that day. Following the court ruling, it seems reasonable to argue that information about the current reputation of the politicians would enable them to make a more accurate prediction of their support for policy issues in the future. Hansen (1999, p. 211) states: “An honorary decree was a sort of a vote of confidence by the Assembly, but it could be attacked in the court, and that turned the court into a political forum and its condemnation into a vote of censure”. Hence, the verdict of the court depicted most accurately voters’ perceptions of politicians. Information about the preferences of the 6,000 jurors would improve substantially during an administrative year, as new court decisions based on new samples (from the same 6,000 panel) became known.

Contrary to the preferences of Assembly voters, some information regarding the preferences of the jurors of the courts was easy to ascertain. To see this, suppose that there are two kinds of citizens in Athens: those who support politician A and those who support politician B. So if the share of supporters of A is p , then the share of supporters of B is $(1-p)$. In any particular year, there will soon be very little uncertainty regarding who will win the vote in a trial between two politicians. Suppose the court consist of 501 jurors (the minimum number of jurors for a *graphe paranomon*). If politician A has the backing of, e.g., 51% of the members of the 6,000 panel, then the probability that he will win in the court is 68%²⁹ (Figure 1). Overall, with a jury this size, it is only if the share of supporters between two politicians is relatively equal and lies between – say – 45–55%, that the Athenians would experience uncertainty as to which politician will win. As we can see in Figure 1, if a politician has the support of 40% or less of the panel members he will (almost) never win,³⁰ and if he has the support of 60% or more, he (nearly) always wins.

²⁸ Of course this begs the question of why rational voters, who appreciate that the probability of casting the decisive vote was negligible, would turn up and vote in the Assembly. The answer here lies not only on the fee for attendance paid to first six thousands attending the Assembly, but also on the fact that each Assembly meeting dealt with both honorary decrees and “bread and butter” policy issues, as well as the intrinsic utility from participating in the democratic process.

²⁹ The distribution of the number of selected jurors that will vote for politician A follows a Hypergeometric distribution. The probability that politician A will win is the sum of the probabilities of him having 251 through 501 supporters in the jury. With 51% of the panel, i.e. 3060 members, supporting politician A, and the remaining 2940 members supporting politician B, the probability of politician A getting the majority of the 501 members of the court jury is $\sum_{k=251}^{501} \frac{\binom{3060}{k} \binom{2940}{501-k}}{\binom{6000}{501}} = 0.68$.

³⁰ For example, with the support of 40% of the panel, the probability of winning in the court is 1 in 900,000.

/Figure 1 here/

We draw the conclusion that it would quickly have become obvious who would win in the courts if two politicians were pitted against each other. This information could be elicited by involving one's opponent with a *graphe paranomon* dealing with an honorary decree. Obviously, the Athenians did not have the mathematical tools that we have, but they did have several decades of experience of how their institutional system worked. It is hard to believe that the more astute among the Athenian politicians did not have a good feeling for these mechanisms.

It is an interesting possibility that the reason why the *graphe paranomon* was often used in connection with honorary decrees was *not* that these honorary decrees were important issues but rather because honorary decrees were *unimportant issues* in the calculation of the voters. To initiate a *graphe paranomon* dealing with an honorary decree can be seen as a test to find out how the current-year panel of potential jurors assessed the character reputation of various politicians. This would be a useful device for eliciting information regarding political support which could be used for the rest of the year, in particular when major political issues were at stake.³¹

5.5 Running a democracy through the courts

Athenian politicians must have been aware that preferences differed among those sitting in the courts and those attending the Assembly. Remember, for instance, the difference in age structure and the different levels of monetary compensation. As regards the age limitation for sitting in a court, the exclusion of males aged 20-30 meant that roughly one third of those who could attend the Assembly could not act as a juror. These differences opened the possibility that a proposal that received a majority in the Assembly could be overturned by the court. Furthermore, the politician who had the strongest backing in the courts were likely to be the one who was most influential in Athens, rather than a politician who tended to win votes in the Assembly. Suppose, for example, that it had become known that one of two leading politicians had a better reputation than the other. Both politicians would have realised this. The politician with weak support in the courts would have great difficulties in pursuing any political aims he might have. Even if he won in the Assembly, his opponent could always transfer the matter to a court by

³¹ Although not specifically talking about honorary decrees, Carugati et al. (2015) reach a similar conclusion regarding the ability of the Athenian judicial system to reveal information regarding the views held by the community. They argue (p.317) that "Because [jury decisions] were the product of large, representative panels of jurors voting through majority rule, secret ballot and without deliberation, jury verdicts were consistent with broad community expectations concerning the norms and laws at issue in a given court case."

using the *graphe paranomon*. And in the court it would be voted down. At the same time, there was no risk that a proposal from the politician with a substantial majority in the courts that won the Assembly vote would be overturned by a court.

With a majority in the courts, a politician faced a negligible risk that he would be unable to muster the minimum of 20% of the votes and so he was safe from repercussions by not attracting enough votes in a *graphe paranomon*. This factor is most likely one of the more important ones behind the extensive use of the *graphe paranomon*; those who initiated a *graphe paranomon* did not in practice risk suffering from any disadvantages for having done so. In contrast, someone who could rely on a majority in the Assembly but had only minority backing in the courts would find it difficult to influence Athenian policy, and ran a considerable risk of being prosecuted and found guilty in a *graphe paranomon*.

This brings the selection of the members of the 6,000-panel to the fore, and more specifically whether its membership overlapped over consecutive years. If, as one may reasonably expect, politicians recognised that the 6,000-panel of jurors was highly important, they must have made every effort to get citizens that shared their point of view to try to participate on the panel. As expressed by Jones (1957, p.37). "The greatest political issues and the fate of statesmen were decided in the courts. Would it not be prudent for leading politicians to get their supporters to enrol in the 6,000 jurors? They were not obliged to empanel themselves every day for minor cases, but could turn out in force when a cause celebre was to be tried." Consequently, the outcome of the lottery for position on the panel would likely give similar results in consecutive years. This further implies that the court system and the *graphe paranomon* helped stabilise Athenian policy.³²

The discussion above should by no means be taken to imply the Athenian court system and use of the *graphe paranomon* eliminated all uncertainty in Athenian politics. On the contrary there must have been many cases when politicians were unsure which way the vote would go not only in the Assembly but also in a court, and the Athenian voters must also frequently have been unsure who they should support and what were the likely consequences of the alternative policies being discussed. However it does seem to us that the degree of uncertainty probably was a lot less prominent than we have believed before. Nor is it claimed that the *graphe paranomon* was

³² Hansen (1999), p. 182, suggests that there was a good deal of change in the 6000 panel, but also that there was competition for places. This is compatible with our argument that the strength of the support for a politician in the panel would probably not change much from one year to the next (it need not be the same selection from the politician's group of supporters that got "in" this year as the year before.).

conceived with the view to elicit preferences or stabilise politics. These were side effects most probably both unforeseen and unintended. Yet, unforeseen consequences are a ubiquitous phenomenon and ancient Athenians quickly learnt how to make full benefit of the procedure in the context of the Assembly and the courts.

6. Concluding remarks

In truth, questions about institutions of collective decision making change little, if at all, through time. Understanding how other societies designed and operated such institutions, especially when they share democratic structures, provides new and illuminating insights. The institutions analyzed in this paper take on considerable interest as they tell us something not only about the ancient societies, but also provide lessons for those who consider direct democracy mechanisms in today's politics.

In contrast to modern parliamentary democracies, Ancient Athens was a direct democracy. In Athens there were no political parties, but a number of so-called politicians who competed with each other in trying to direct Athenian policy. The *graphe paranomon* prescribed for annulment of decrees passed by the Assembly and punishment for those who gave bad council in the Assembly. The *graphe paranomon* not only gave the Athenian citizens an opportunity to reconsider an issue where the Assembly had already made a decision, but also kept the Athenian politicians in line, preventing them from giving bad advice. Having suffered the consequences of some rash decisions in the fifth century, the Athenian citizens probably welcomed the opportunity to think twice over important issues, and to punish those who came up with bad ideas that were contrary to the long-standing principles of their democracy.

In the extensive literature on the ancient Athenian democracy, some interesting properties of the political and legal rules of the game seem to have escaped notice. The present study examined the content and consequences of *graphe paranomon*. Quantitatively, awards of honorary decrees were the largest part of the business of the Assembly, and a large part of all *graphe paranomon* lawsuits attacked such honorary decrees. We attributed the extensive award of honours by the Assembly to the wish of the demos to co-opt and motivate private individuals to contribute to the Athenian community life and fund public services, and increase their stake in the survival of the democracy. We have also showed that the *graphe paranomon* had several side effects that have largely gone unnoticed in the literature. Specifically, initiating *graphe paranomon* against politicians who proposed honorary decrees reduced the uncertainty regarding voter preferences about politicians, providing most valuable information to the politicians wishing to propose policies

and lead Athens. This is an important feature, because it cannot have been easy for Athenian politicians to predict the preferences of the voters at an upcoming meeting of the Assembly. It was, for example, anybody's guess which selection of the eligible citizens would appear in the Assembly on any particular day. It is most likely that this made public policy less volatile than it would have been otherwise, a factor that helps explain the Athenian success in the fourth century.

The present analysis also highlights some of the fundamental differences between the ancient direct and modern representative democracy. In modern representative democracies citizens transfer significant discretionary powers to elected politicians, and instruments of direct democracy are occasionally complements rather than substitutes of indirect democracy. As a result representative government simultaneously requires accountability through representatives and accountability of representatives (Lord and Pollak, 2010, p.975). Competitive elections are an obvious mechanism to hold politicians accountable, but as choices are exercised several years apart additional mechanisms are put in place. These include formal state institutions like the judiciary for resolving disputes, the national audit office for checking financial propriety, and the ombudsman for investigating complaints against a public authority.

In the direct democracy of Athens there was no need for accountability through representatives. There was, however, accountability of the agents of the demos, both those who were appointed to administer public affairs, and those who with their proposals wished to lead the demos to particular outcomes. From a modern perspective threatening politicians with the severe punishment provided by the *graphe paranomon* would probably be against the grain of basic human rights, and discourage talented individuals to get involved in policy making. Not so for the ancient Athenians. *Graphe paranomon* was another manifestation of the participatory nature of the polity and supremacy of the demos. The demos in the form of the Assembly or in the form of the courts decided political institutions and policy within the institutions chosen; politicians knew that they were constrained by these rules.

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Figure 1. Probability of winning the vote in a court with 501 randomly drawn jurors, depending on your share of supporters among this year's 6.000 potential jurors.

