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## **ECONOMIC ANALYSIS OF LAW**

## SIXTH EDITION

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## CHAPTER 1

# THE NATURE OF ECONOMIC REASONING

the abstract is confined to this chapter. crete, numerous, and varied legal questions; the discussion of economic theory in indentures. This book's design is to anchor discussion of economic theory in confree speech or accidents or crime or the Rule Against Perpetuities or corporate problems. A student takes a course in price theory and learns what happens to the bright ones-have difficulty connecting economic principles to concrete legal a vast range of legal questions but that most lawyers and law students-This book is written in the conviction that economics is a powerful tool for analyzing the price of beef rises but does not understand what these things have to do with price of wheat when the price of corn falls and to the price of grazing land when

## **Fundamental Concepts**

of this chapter) rather than of self-interest. fusion, economists prefer to speak of "utility" (discussed further in the next section interest should not be confused with selfishness; the happiness (or for that matter when it conforms to the model of rational choice, whatever the state of mind of calculation. Economics is not a theory about consciousness. Behavior is rational his "self-interest." Rational maximization should not be confused with conscious man<sup>2</sup> is a rational maximizer of his ends in life, his satisfactions—what we shall call a world broader. As conceived in this book, economics is the science of rational choice in day-to-day concerns of the legal system. Actually the domain of economics is much Many lawyers still think that economics is the study of inflation, unemployment, the misery) of other people may be a part of one's satisfactions. To avoid this conthe chooser (see §1.3 infra on the meaning of "rational" in economics). And self-The task of economics, so defined, is to explore the implications of assuming that business cycles, and other mysterious macroeconomic phenomena remote from the our world—in which resources are limited in relation to human wants. 1

<sup>§1.1 1.</sup> See Gary S. Becker, The Economic Approach to Human Behavior (1976), and for criticism of so broad a definition of economics, Ronald H. Coase, Economics and Contiguous Disciplines, 7 J. Leg. Stud. 201 (1978).

2. And woman too, of course. Throughout this book, the "masculine" pronouns are used in a generic rather than a gendered sense. The book devotes more space to issues of particular concern to women (see, e.g., Chapter 5) than is typical in economic analyses of law.

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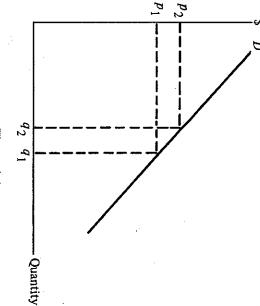


Figure 1.1

Jeremy Bentham engaged in buying and selling in explicit markets. This is an idea that goes back to imizer in all areas of life, not just in his "economic" affairs, that is, not only when economists until the work of Gary Becker in the 1950s and 1960s. <sup>3</sup> Central to this book is the further assumption that man is a rational utility maxin the eighteenth century, but it received little attention from

this proposition derive the three fundamental principles of economics. ple respond to incentives that he could increase his satisfactions by altering his behavior, he will do so. From The concept of man as a rational maximizer of his self-interest implies that peo--that if a person's surroundings change in such a way

why the causality runs in both directions? observe that the effect was to raise the price of the good from  $p_1$  to  $p_2$ . Can you see from  $q_1$  to  $q_2$ . Equally, we could imagine quantity supplied falling from  $q_1$  to  $q_2$  and foods, or different products altogether), with the result that the total quantity dechasers will reduce their purchases of steak and substitute other meats (or other goods are poor substitutes even at somewhat lower relative prices. But some pur-Many consumers will continue to buy as much steak as before; for them, other the possibility of substituting goods that he preferred less when steak was at its old zontal. A rise in price from  $p_1$  to  $p_2$  results in a reduction in the quantity demanded in Figure 1.1. Dollars are plotted on the vertical axis, units of output on the horimanded by purchasers, and hence the amount produced, will decline. This is shown price but that are more attractive now because they are cheaper relative to steak before. Being rational and self-interested, the consumer will react by investigating remain unchanged, a steak will now cost the consumer more, relatively, than it did (the Law of Demand). If the price of steak rises by 10¢ a pound, and if other prices The first is the inverse relation between price charged and quantity demanded

in relative \* price or in quantity. Yet if, for example, demand were increasing at the This analysis assumes that the only change occurring in the system is the change

3. See Becker, note 1 supra, ch. 1 (1976); Richard A. Posner, Frontiers of Legal Theory 54-57 (2001).
4. If the price level is rising for all goods (i.e., if there is inflation), there is no quantity effect (why

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resources seller wou suggests v making (; seller wor speaks of presumat trying to resources the price the altern moment

perior" if a income falls in the consi A consumer

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been found 7. We sh

in Chapter 9. fall; it might even rise. (Can you graph an increase in demand? If not, see Figure 9.5 same time that price was rising, the quantity demanded and supplied might not

change ordinarily exceed the income or wealth effects. So the latter can usually be feedback effect on demand; in other words, the substitution effects of a price of a single good are unlikely to be so great as to have more than a negligible though improbably, outweigh the first. 6 The wealth effects of a change in the price tion that it is an inferior good) increases the demand for it and might conceivably, The first effect reduces demand for the good, but the second (under the assumpsumers' wealth will be reduced because the same income now buys fewer goods. on consumers of the good: (1) good. 5 Then an increase in the price of that good will have two immediate effects Suppose that a reduction in a person's income will cause him to buy more of some on incomes. Such a change might have a feedback effect on the quantity demanded The analysis also assumes away the possible impact of a change in relative price Substitutes will become more attractive; (2) con-

Economists call nonpecuniary prices "shadow prices." ishment or the likelihood of its imposition will raise the price of crime and therefore offense. The economist predicts that an increase in either the severity of the punhis debt to society," and an economist would find the metaphor apt. Punishment student. The convicted criminal who has served his sentence is said to have " ular teachers sometimes try to increase class enrollment by raising the average grade reduce its incidence. The criminal will be encouraged to substitute other activity. ishment is in the form of a fine?), the price that society charges for a of the students in their courses, thereby reducing the price of the course at least from the criminal's standpoint (why not from society's, unless the pun-The Law of Demand doesn't operate just on goods with explicit prices. Unpopcriminal

seller would not sell below cost. For example, the cost of making a lawn mower is the price the manufacturer must pay for the capital, labor, materials, and other resources consumed in making it. That price must exceed the price at which the resources could have been sold to the next highest bidder for them, for if the suggests why (subject to some exceptions that need not trouble us here) a rational making (and selling) the seller's product would command in their next best use seller would charge. That minimum is the price that the resources consumed in moment we are interested only in the maximize the difference between their costs and their sales revenues, but for the speaks of profit maximization rather than of utility maximization. Sellers seek to the alternative price. It is what the economist means by the cost of a good, and presumably true of the producers of beef, though in the case of sellers one usually trying to maximize their utility (happiness, pleasure, satisfactions).7 The same is The consumers in our steak example—and the criminal lowest price that a rational self-interested -were assumed to be

5. This would be what economists call an "inferior" good. Technically, a good is inferior if a reduction in the consumer's income will not have a proportionately negative effect on his purchase of the good. A consumer is apt to change the composition of his diet in favor of potatoes and against caviar if his income falls, but, especially if his income falls a lot, he may not actually buy more potatoes than he did before. A "normal" good is one the demand for which is proportional to income; and a good is "superior" if a fall (rise) in income will cause a proportionately greater fall (rise) in the consumption of

the good. 6. This is the Giffen paradox, but no well-authenticated real-world example of a "Giffen good" has

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<sup>7.</sup> We shall examine the concept of utility more critically in the next section

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alternative price cation that is introduced when the sellers of a resource price it higher than high bidder and would not have obtained the resources. We postpone the complimanufacturer had not been willing to beat that price he would not have been the

rapidly depleted, a barrel of oil is expected to cost \$20 to produce in 10 years. The gone by employing a resource in a way that denies its use to someone else. Here relinquish my air to him; therefore air is costless. 8 So is a good with only one use I want without depriving anyone of any of the air he wants, no one will pay me to when someone is denied the use of a resource. Since I can breathe as much air as which will have the effect of alleviating a future scarcity future price will be, and therefore the likelier the oil is to be left in the ground, the then cost of production) 10 years hence. So he is better off leaving the oil in will have a profit of only \$2. If he invests the \$2, it is unlikely to grow to \$20 (minus that the current price of oil is only \$4 a barrel, so that if the producer sells now, he would have earned by selling now and investing the proceeds. Suppose, however, tunity cost, because if the producer waits to sell his oil, he will lose the interest he That \$20 is an opportunity cost of selling the oil now producer who holds on to his oil for that long will be able to sell it for \$20 then. and materials costs of a barrel of oil total is only \$2, but because low-cost oil is being attending school; this cost exceeds the tuition cost. (2) Suppose the labor, capital, is the forgone earnings that the student would have if he were working rather than are two more examples of opportunity cost: (1) The major cost of higher education A corollary of the notion of cost as alternative price is that a cost is incurred only ground. The scarcer that oil is expected to be in the future, the higher the you see why?) Cost to the economist is "opportunity cost". although not a net oppor-—the benefit for-

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actions that affect the use of resources, whether or not money changes hands, and being merely a claim on resources.9 The economist distinguishes between transwould be costless in itself, that is, regardless of its secondary effects on his and my nancy is also a cost of sexits next-best use. The risk of a sexually transmitted disease or of an unwanted pregact itself) takes time and thus imposes a cost measured by the value of that time in Sex is an economic activity too. The search for a sexual partner (as well as the sex sation; it involves costtivity, even if the houseworker is a spouse who does not receive pecuniary compenpurely pecuniary transactionseconomicsamount. Put differently, it would be a private cost but not a social one. A social cost value of a dollar to us. It would not diminish the stock of resources. It would diincentives, the (other) costs of implementing it, or any possible differences in the diminishes the wealth of society; a private cost rearranges that wealth. minish my purchasing power, but it would increase the recipient's by the same This discussion of cost may help dispel one of the most tenacious fallacies about the transfer by taxation of \$1,000 from me to a poor (or to a rich) -that it is about money. On the contrary, it is about resource use, money -primarily the opportunity cost of the houseworker's time. -a real, though not primarily a pecuniary, cost. In con--transfer payments. Housework is an economic ac-

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<sup>8.</sup> That is not to say that clean air is costless, cf. §3.7 infra.

<sup>9.</sup> Noneconomists attach more significance to money than economists do. One of Adam Smith's great achievements in *The Wealth of Nations* was to demonstrate that mercantilism, the policy of trying to maximize a country's gold reserves, would impoverish rather than enrich the country that followed it. Other common misconceptions about economics that this book will try to dispel is that it is primarily about business or explicit markets, that it is pro-business, that it is beartless, that it slights nonquantifiable costs and benefits, and that it is inherently conservative

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n the ground he higher the ying the oil in er sells now, he pose, however, the interest he ot a net opport for \$20 then. 10 years. ost oil is being : labor, capital, ng rather than ther education one else. Here he benefit forı only one use. as much air as s incurred only will pay me to to \$20 (minus

 A social cost s by the same s. It would dierences in the on his and my ı rich) y, cost. In connwanted pregof that time in well as the sex worker's time. niary compenges hands, and between trans fallacies about economic acperson

olicy of trying to y that followed it. hat it is primarily dam Smith's great

> petition and thus incurs a private cost. in overall wealth and hence no social cost, even though B is harmed by A's comunconsenting parties. Suppose A opens a gas station opposite B's gas station and as a result siphons revenues from B. Since B's loss is A's gain, there is no diminution Competition is a rich source of "pecuniary" as distinct from "technological" that is, of wealth transfers from, as distinct from cost impositions on,

\$990 he will lose \$1,000. elephant cost \$1,000 to build (\$1,000 being the alternative price of the inputs that words between economic and accounting costs, helps show that cost to an economist is a forward-looking concept. "Sunk" (incurred) costs do not affect a rational sell it for less than it cost him to make it, the only result will be that instead of losing sold, provided the seller is rational. For if he takes the position that he must not \$10. The fact that \$1,000 was sunk in making it will not affect the price at which it ment into making it) but that the most anyone will pay for it now that it is built is actor's decisions on price and quantity. Suppose that a life-sized porcelain white The distinction between opportunity costs and transfer payments, or in other

the terms of the contract ex post, few contracts will be made. to whom a contract to which he freely agreed turns out badly is allowed to revise ando decisions, the ability of people to shape their destinies is impaired. <sup>10</sup> If a party on regrets about the past. They treat bygones as bygones. If regret is allowed to ine. Rational people base their decisions on expectations of the future rather than place on the ex ante (before the fact) rather than ex post (after the fact) perspec-This discussion of sunk costs should help explain the emphasis that economists

exemment of rights. has land will be shifted into some fire-insensitive use, just as if the railroad had crop only by selling his property right to the railroad; he will do this; and as a result then to install the spark arresters. The farmer can realize the higher value of the e the crop to the farmer is not \$100 but somewhere between \$100 and \$110, since as it wants without injuring the farmer's crop. On these assumptions, the real value minpeded use of its right-of-way is much higher, but at a cost of \$110 it can install value and sometives. The crop is worth \$100 to him. The value to the railroad of the destruction of the crop that he grows on the land by sparks from an adjacent property. Suppose a farmer owns his land and ownership entitles him to prevent the initial assignment of a property right will not affect the ultimate use of the **fied**—for necessary qualifications see §3.6 infra—is that if transactions are costless, resters cost, the farmer will buy the right to use his land free of spark damage right-of-way, but the farmer's growing a crop produces more value than the spark ened it. Similarly, if the railroad initially has the right to the unimpeded use of any price below \$110 the railroad would prefer to buy the farmer's property right spark arresters that will eliminate the fire hazard and then it can run as many trains mornic analysis of law is the Coase Theorem. 11 The theorem, slightly oversimpli-The most celebrated application of the concept of opportunity cost in the ecoend so again the land will be put to its most productive use regardless of the initial

manimum price. (Can you see why our farmer-railroad example is an exception The forces of competition tend to make opportunity cost the maximum as well

It is not the *emotion* of regret that is irrational, but acting on the emotion rather than letting increases be bygones. Regret is a form of self-evaluation and is valuable in improving future conduct ("I securite do this again because I know I would regret it").

It Ronald H. Coase, The Problem of Social Cost, 3 J. Law & Econ. 1 (1960).

plying a unit of output at various levels of output. Another name for S is the industry output level? the left or the right of the intersection represent an unstable, disequilibrium priceis no incentive for sellers to alter price or output. Why would any point to either that is, a point at which, unless the conditions of demand or supply change, there rium price and output under competition. "Equilibrium" means a stable point, This definition should help you see why the intersection of D and S is the equilibproducing one unit less. (Marginal cost is explored further in Chapters 9 and 10.) one-unit change in output; in other words, it is the cost that would be avoided by marginal-cost curve. Marginal cost is the change in total costs brought about by a the demand schedule for the good in question and S the opportunity cost of supprice below opportunity  $\cos(r)$  . This process is illustrated in Figure 1.2. D represents by the Law of Demand, down to the level of cost (why will competition not drive sources into the production of the good until the increase in output drives price, to this generalization?) A price above opportunity cost is a magnet drawing re-

location will continue until price and marginal cost are equalized, as in Figure 1.2 will be shifted into corn productionto expand production, and since the good land cannot be expanded, inferior land would be \$10 a bushel were no other corn-produced. Clearly there are incentives its next best use, and that the market price of the corn produced on such land direct costs of producing corn (labor, fertilizer, etc.) and the value of the land in land can produce corn at a cost of \$1 a bushel, with the cost consisting both of the such as fertile or well-located land. Suppose, for example, that the very best corn requires some resource that is inherently very scarce in relation to the demand, producing the good rises with the quantity produced implies that its production in the upward slope of the supply curve in Figure 1.2. The fact that the cost of take place at prices equal to the opportunity costs of the goods sold. This is implicit fertilizer, and so forth to produce the same quantity of corn. This process of real-Even in long-run competitive equilibrium, there is no assurance that all sales will -land that requires greater inputs of labor,

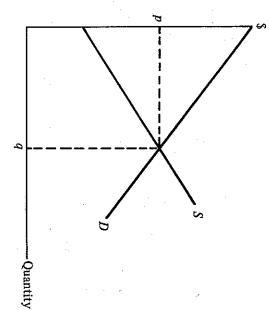


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Il sales will is implicit he cost of roduction edemand, best corn ooth of the he land in such land incentives erior land s of labor, ass of real-figure 1.2.

At this point, the market price will equal the cost of the marginal producer. Suppose with the best land will be incurring a (social) opportunity cost of only \$1. that cost is \$2.50. All corn farmers will be selling corn at \$2.50 a bushel, but those

demand for the goods they are used to produce of resources that cannot be augmented rapidly and at low cost to meet an increased the rents themselves. Thus under competition rents are earned only by the owners cost, competition would eliminate the scarcity that generates the rents, and with it source that generates them. If the quantity of ideal land could be increased without any producer rents, leaving all the rents to be captured by the owners of the reowner and producer are distinct). Competition between producers will eliminate owners of the good land (of course, they may be the same people, but the roles of costs. Who gets the rents in Figure 1.2? Not the producers of the corn, but the purposes is a (positive) difference between total revenues and total opportunity the left of q) is called economic rent (not to be confused with rental). Rent for our The difference between the total revenues of the industry depicted in Figure 1.2  $p \times q$ ) and the total opportunity costs of production (the area under S to

services in a fully competitive market. A different kind of economic rent, discussed in Chapter 9, is earned by the monopolist, who creates an artificial scarcity of his their highest potential earnings in an alternative occupation even if they sell their persons controleconomic rents that are due to the inherent scarcity of the resources that these ical and forensic skills of the successful lawyer. Their earnings may greatly exceed The very high incomes earned by a few singers, athletes, and lawyers include -a fine singing voice, athletic skill and determination, the analyt-

and discuss its consequences.) have learned in recent years. (As an exercise, graph a glut caused by a price floor, removal of price regulation invariably reduces, and usually eliminates, queueskets in which prices are regulated, and we shall discuss examples in this book. of their time will determine the length of the queue. Queues are common in mar-For example, consumers might be required to queue up for the product; the cost equilibrium restored? By using a nonprice method of allocating supply to demand. and increases the desire of consumers to buy it. The result is a shortage. How is the lower price simultaneously reduces the incentive of producers to make the good demand curve dotted line p. As a result, p will now intersect the supply curve to the left of the the equilibrium price (otherwise it would be ineffective), thus forcing down the placed a price ceiling on the good depicted in Figure 1.2, and the ceiling is below the inhabitants of the formerly communist countries of Central and Eastern Europe Returning to the concept of an equilibrium, imagine that the government has -meaning that supply will fall short of demand. The reason is that

process of voluntary exchange, resources are shifted to those uses in which the more valuable output as measured by the prices consumers are willing to pay. By a the property is worth more to A than to B, meaning that A can use it to produce a to buy B's farm at a price higher than B's minimum price for the property? Because peting demanders; the resources were worth more to him. Why does farmer A offer their most valuable uses if voluntary exchangehe could use them to obtain a higher price for his finished good than could commaterials than competing users of these resources? The answer is that he thought the manufacturer of lawn mowers in an earlier example pay more for labor and The third basic principle of economics is that resources tend to gravitate toward -a market--is permitted. Why did

sources are being used where their value is highest, or equivalently when no reallocation would increase their value, we say they are being employed efficiently. value to consumers, as measured by their willingness to pay, is highest. When re-

opportunity that another seller will immediately snatch away from him. and thereby opening a gap between price and marginal cost, he will create a profit significance of a horizontal demand curve is that if the seller raises, however slightly, i.e., approximately horizontal, but the aggregate of which is steeply sloped). 12 individual-firm demand curves, each of which is only trivially downward-sloping, sloping demand curve (which can be viewed as the sum of a very large number of demand curve equal to p even though the market as a whole faces a downwarddepicted in Figure 1.2 each seller will (as shown in Figure 1.3) confront a horizontal tions discussed in this book. ties, inherent scarcities as in our rent-of-land example, or other economic condithe free flow of resources. The barrier could be high information costs, externaliweird tastes or have ceased to be rational maximizers but that there are barriers to doesn't work, the economist takes this as a sign not that people are dumb or have A profit opportunity is a magnet drawing resources into an activity. unexploited profit (in the sense of rent, not cost of equity capital) opportunities. his price above the market price, his sales will go to zero; for by raising his price A methodologically useful although unrealistic assumption is that there are no If there are no such barriers, then in the market If the magnet

# §1.2 Value, Utility, Efficiency

something is how much someone is willing to pay for it or, if he has it already, how The previous section bandled about some pretty highly charged words—value, utility, efficiency—about which we need to be more precise. The economic value of amounts, and this can cause difficulties, which we shall consider later. much money he demands for parting with it. These are not always the -about which we need to be more precise.

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million). Probably, then, you are risk averse. Risk aversion is a corollary of the or a 10 percent chance of \$10 million. Probably you would prefer the former, even though the expected value of the two choices is the same: \$1 million (= .10  $\times$  \$10 of risk. Suppose you were asked whether you would prefer to be given \$1 million utility (more precisely, "expected utility") in this sense is entwined with the concept analyzing the value of an uncertain cost or benefit as distinct from a certain one; modities than money-Diminishing marginal utility is more dramatically illustrated by less versatile commoney you have, the less additional happiness you would get from another dollar. principle of diminishing marginal utility of money, which just means that the more Utility is used in two quite different senses in economics. -it is easy to picture in the context, say, of chairs, or lamps, First, it is used in

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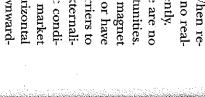
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industry's curve in Figure 1.2. The same things that cause the industry's marginal cost to rise will cause the individual firm's to do so; an additional consideration is the increasing cost of information and control as a firm grows larger and more complex. See §14.1 infra. Notice that if a firm did not encounter rising marginal costs at some point, its output would be indeterminate. The relationship between costs and demand is discussed more fully in Chapter 12. Chapter 9. Notice in Figure 12. It is not necessary to assume, however, that there is an infinitely large number of sellers in the rket—only that entry is instantaneous if price exceeds marginal cost. This point is explained in apter 9. Notice in Figure 1.3 that the firm's marginal cost curve is shown upward-sloping, just like the

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Value, Utility, Efficiency



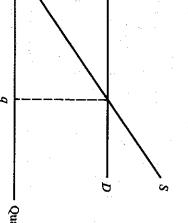


Figure 1.3

million would be. not, it means that your first million dollars is worth more to you than a second of \$1 million: Would you be willing to stake it on a 50-50 bet to win \$2 million? If also will mean less to a person as his wealth increases. Suppose you had a net worth or pet gerbils. Nevertheless, it should be apparent on reflection that another dollar

such as insurance and the corporation may make people effectively risk neutral in many situations. pected return of common stock than of bonds), that most people are risk averse most of the time, though we shall see that institutional responses to risk aversion risk preference (can you see why?). But economists believe, with some evidence (notably the popularity of insurance and the equity premium-Risk aversion is not a universal phenomenon; gambling illustrates its opposite, the higher ex-

and (2) utility that a risk-averse person "values" \$1 more than a 10 percent chance of getting \$10, (roughly) happiness. distinction between (1) value in a broad economic sense, which includes the idea someone who is not risk neutral obscures a more dramatic distinction. This is the it will actually materialize) and (2) what that expected cost or benefit is worth to cost or benefit (i.e., the cost or benefit, in dollars, multiplied by the probability that The use of the words "value" and "utility" to distinguish between (1) an expected in the sense used by philosophers of utilitarianism, meaning

the hands of the rich one the extract would confer greater happiness in the hands of the poor family than in In the sense of value used in this book, the pituitary extract is more valuable to the the price of the extract. A rich family has a child who will grow to normal height, not get some of the extract, but the family cannot afford the price and could not rich than to the poor family, because value is measured by willingness to pay; but but the extract will add a few inches more, and his parents decide to buy it for him height, because the present value of those earnings net of consumption is less than even if it could borrow against the child's future earnings as a person of normal is therefore very expensive. A poor family has a child who will be a dwarf if he does Suppose that pituitary extract is in very short supply relative to the demand and

that allocation of resources in which value is maximized, has limitations as an ethical As this example shows, the term "efficiency," when used as in this book to denote or have rriers to tternalicy condimarket rizontal wnward-nber of sloping, 12 The slightly, is price a profit a profit alue of dy, how

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were absolutely convinced of the safety and efficacy of the pill and the trance? people, but it isn't everything. Would you be willing to take a pill that would put you into a blissfully happy dreamlike trance for the rest of your life, even if version of utility is or should be one's object in life. Happiness is important to most or joy, or preference satisfaction, or the excess of pleasure over pain, or some other there is no way to prove them wrong—that maximizing happiness, or contentment, willingness to pay is jettisoned as a metric. First, most people don't believealso has grave limitations, and not only because it is difficult to measure when criterion of social decisionmaking. The concept of utility in the utilitarian sense

in the overall social organism rather than as individuals. This is the source of a the sake of the greater good are deeply disquieting objections to the logical implications of utilitarianism strike critics as missing the a form of rule utilitarianism that limited the power of government. But practical deflect such criticisms by pointing out that lack of trust in officials would defeat so far exceeds the capacity of his victims to experience pain that utility is maximized rifice of innocents to maximize the total amount of happiness in the society (or the number of well-known barbarisms of utilitarian ethics, such as the deliberate sacutterly benign, democratically responsive officials and the sacrifice of innocents for mentation are assumed away, such results as the inducement of blissful trances by point. They regard the logic itself as repulsive. Even if all the problems of impleany effort to empower the state to attempt to maximize utility on a case by case by allowing him to commit rape and murder. Defenders of utilitarianism seek to world, or the universe); or the "utility monster," whose capacity for sadistic pleasure Second, by aggregating utility across persons, utilitarianism treats people as cells The only regime that would be utility maximizing in the real world would be

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is, moral sentiments may have a pragmatic, conceivably an economic, basis of utilitarianism are what underlie the "repulsiveness" of those implications; that Of course, it is possible that the practical objections to the logical implications

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of our own society than to outsiders and greater to human beings than to (other) lides with powerful intuitions that our social obligations are greater to the people Animals feel pain, and even more clearly do foreigners, so that utilitarianism col-But, third, utilitarianism has no boundary principles, except possibly sentience

that makes at least one person better off and no one worse off. (In our example, it the transaction. A Pareto-superior transaction (or "Pareto improvement") is one the transaction is said to be Pareto superior to the allocation of resources before off.) In other words, the criterion of Pareto superiority is unanimity of all affected presumably made both A and B better off, and by assumption it made no one worse no effect on anyone else. carving to B for \$100, both parties have full information, and the transaction has confines the term to outcomes of voluntary transactions. Suppose A sells a wood utilitarian ethics have turned many economists to a definition of efficiency that The objections to utilitarianism and thus to tying the concept of efficiency to Then the allocation of resources that is brought about by

preferences concerning each other's consumption. Imagine a society composed of anyone else's liberty—can quarrel with it. The problem arises when people have person should be entitled to the maximum liberty consistent with not infringing the nineteenth-century sense-Who can quarrel with unanimity as a criterion of social choice? Well, a liberal in -one who believes with John Stuart Mill that every

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a Protestant, doesn't want B, a Catholic, to read the Catholic Bible. He would like two individuals (or two homogeneous groups, to make it a little more realistic). A, iting B from reading a book that he wants to read. 2 allowed to read the book than that B be allowed to read it. That is therefore the only he himself, B, be allowed to read it. His last choice, obviously, is that the book is that B read the book. B's first choice is that A be required to read the Catholic he considers himself sufficiently inoculated against Catholic heresy. His last choice the Catholic Bible to be banned. His second choice is that he, A, read the book, as Pareto-superior choice. But it is also an illiberal choice, because it involves prohibbe banned. So the only thing that A and B agree on is that it is better that A be he needs it the most, being a Protestantand his second choice is that

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the prices of other goods (how?). In the less austere concept of efficiency mainly cations to the real world because most transactions (and if not a single transaction, for any harm suffered by them. The Kaldor-Hicks concept is also and suggestively would not be Pareto superior unless A and B actually compensated the third parties third parties (minus any benefit to them) does not exceed \$70. The transaction better off), it is an efficient transaction, provided that the harm (if any) done to \$100, for example, A considers himself \$50 better off and B considers himself \$20 between \$50 and \$120 the transaction creates a total benefit of \$70 (at a price of used in this bookthen a series of like transactions) have effects on third parties, if only by changing whether or not they actually do. called potential Pareto superiority: The winners could compensate the losers, Another objection to the criterion of Pareto superiority is that it has few appliif A values the wood carving at \$50 and B at \$120, so that at any price -called the Kaldor-Hicks concept of efficiency, or wealth maxi-

trade or competition or the control of pollution or some other policy or state of in economics must not be Pareto superiority. When an economist says that free yet economists talk quite a bit about efficiency; the operating definition of efficiency the world is efficient, nine times out of ten he means Kaldor-Hicks efficient. The conditions for Pareto superiority are almost never satisfied in the real world,

wealth by holding a variety of collectibles. These circumstances (a variant of the while indeed, let us assume, indifferent to them wood carving in order to eat, and B, while not passionate about wood carvings is any appealing concept of desert to which B might appeal to validate his claim to wood carvings less than B—he may like them much more-A may have valued the wood carving at only \$70 and B at \$120 not because A good. We can illustrate with the earlier example of A's sale of a wood carving to B. that distributiondistribution of wealthboth better off. But they undermine the moral foundations of a social system orithe sale's making both A and B better off; on the contrary, they explain why it makes earlier example of the market for pituitary extract) are not at all inconsistent with be able to buy the wood carving. The dependence of even the Pareto-superiority concept of efficiency on the -further limits efficiency as an ultimate criterion of the social -willingness to pay, and hence value, A may simply be destitute and have to sell his —wishes to diversify his enormous and not because there being a function of

<sup>§1.2 1.</sup> If "a" means that only A reads the book, "b" that only B reads it, and "n" that neither reads it, A's order of preference is n-a-b, and B's is a-b-n; hence both agree—and agree only—that a is preferable to b.

See Amartya Sen, The Impossibility of a Paretian Liberal, 78 J. Pol. Econ. 152 (1970)

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of the just distribution. market, the justice of the market cannot be derived from some independent notion either. And insofar as the distribution of wealth is itself largely determined by the nomic activities derived from it will not have a strong claim to be regarded as just underlying distribution of wealth. If that distribution is unjust, the pattern of ecoefficiency, the pattern of consumption and production will be derivative from an society's institutions have been brought into conformity with the requirements of ented to Pareto superiority, let alone potential Pareto superiority. Even after all

(what might a defensible weak sense of "just" be in this context?). is. The greater the role of luck in the distribution of wealth and economic opporparents' ability and willingness to invest in your human capital. Determinists think the luck of the financial markets, the luck of whom you know, and the luck of your a wealthy versus a poor country, a product of the random sorting of the genes. There is the luck of being born in that it's all luck, that deservedness has nothing to do with how rich or poor anyone predictable shifts in consumer demands and labor markets, the luck of inheritance, endowment of character and intelligence is considered an entitlement rather than Much inequality of wealth undoubtedly reflects sheer luck, even if one's natural the more difficult it is to defend the distribution as just in a strong sense the luck of being a beneficiary or casualty of un-

the difference in the quality of the individuals. It illustrates, rather, the moral arthe record company may be offset by the economies of a larger output. A may thus derives not from performing or teaching but from recording. Since recordings of nomenon.3 Consider two concert pianists, one of whom (A) is slightly better than bitruriness of many of the wealth differences among individuals. There need be nothing "unjust" in this outcome; but neither can it be referred to quality may be discernible by only a small percentage of the music-loving public. from it, though A may be only a 2 percent better pianist and the difference in end up with a very substantial income from recording and B with a zero income his contract with the record company than B could command, the added cost to difference in price, and there need not be; even if A receives a higher royalty from recordings made by B rather than those made by A unless there is a significant the same piece of music are close substitutes, a consumer has no reason to buy the other (B). Suppose that most of the income of a concert pianist nowadays wedge between the natural lottery and income. The cause is the "superstar" phe-A market system tends actually to magnify differences in innate ability, driving a

scientists, including some economists, doubt the authenticity of many of the beliefs whether, assuming the existing distribution of income and wealth is just, consumer satisfaction should be the preeminent social value. Many philosophers and social of resources would be socially or ethically desirable. Nor can the economist tell us icies. Neither does it answer the ultimate question whether an efficient allocation existing distribution, as well as about the distributive consequences of various poljust or unjust, although it can tell us a great deal about the costs of altering the question whether the existing distribution of income and wealth is good or bad, different deployment of our economic resources. Economics does not answer the the pattern of demands might also be different and efficiency would require The basic point is simply that if income and wealth were distributed differently,

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3. See Sherwin Rosen, The Economics of Superstars, 71 Am. Econ. Rev. 845 (1981).

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and desires that determine consumer and other individual choices. These behavtionally (see §1.4 infra); we shall consider examples throughout the book. ioralists contend that certain cognitive quirks prevent people from behaving ra-

system is limited. He can predict the effect of legal rules on value and efficiency, wealth, but he cannot issue mandatory prescriptions for social change. Yet this turns in their strict technical senses, and on the existing distribution of income and in economic policy or arrangements would advance us toward that goal, they can value of output, rather than having to defend the goal. By showing how a change Economists can usually appeal to a generally accepted goal, such as maximizing the out to be less of a handicap to the normative use of economics than might appear. than ends. They can demonstrate for example that cartelization results in a reducmake a normative statement without having to defend their fundamental premises. value is a generally accepted goal of a commercial society, their demonstration tion in the value of output (see Chapters 9 and 10), and since maximizing that They can keep debate at the technical level, where reasoning is over means rather provides, without more, a prima facie case for prohibiting cartels. For all these reasons, the economist's competence in a discussion of the legal

say that an area is not traditionally regarded as "economic" is to say that suggestions not traditionally economic, which happens often in economic analysis of law. maximization. This is especially the case when economists get into areas that are nomic reform are quick to posit competing goals to that of efficiency or value it is assumed that noneconomic values dominate issues that are not explicitly ecofor orienting it toward efficiency or other economic values are likely to jar, because shown that policy X would increase efficiency but that he cannot speak to its ultinomic. And then what is the economist to do? Can he The qualification "prima facie" is important. Opponents of proposals for ecosay more than that he has

mate merit? This is a question to be borne in mind throughout this book voluntary transaction can create—even if the Kaldor-Hicks concept is used to increase efficiency. Even if efficiency is not defined as something that only a whether and in what circumstances an involuntary exchange can confidently be said transaction would not have taken place unless both parties had expected to be made we can be reasonably sure that the shift involves an increase in efficiency.4 The a voluntary transaction. Where resources are shifted pursuant to such a transaction, better off. This implies that the such transactions increase, and when they reduce, efficiency? If we insist that a tions, and so is a legal judgment to pay damages or a fine. How is one to know when legal system are involuntary. Most crimes and accidents are involuntary transacnew owner's hands. But many of the transactions either affected or effected by the transaction be truly voluntary before it can be said to be efficientif a voluntary transaction had been feasible, it would have taken place. If, for exsense. An alternative approach, used heavily in this book, is to try to guess whether, casions to make judgments of efficiency, for few transactions are voluntary in that because all potential losers have been fully compensated-An important question, already alluded to, in the economic analysis of law is -willingness to pay can be confidently determined only by actually observing resources transferred are more valuable in their -we shall have few octruly voluntary

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<sup>4.</sup> We cannot be completely sure, however, because that would require that everyone affected by the transaction be a party to it, and (to repeat) this requirement is almost never satisfied.

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transaction costs the paper industry would purchase from the boaters the right to quantitative or other data might be available to help us, whether in a world of zero paper production than into boating, we might try to determine, using whatever ample, the question were whether clean water was more valuable as an input into

as all have some third-party effects. inefficiencies of forbidding all forced exchanges, which could mean all exchanges, necessarily crude system of legally regulated forced exchanges and the even greater late the market, in other words. A coerced exchange, with the legal system later in circumstances where instead a forced exchange took placetransactions are feasible. But often they are not, and then the choice is between a efficient method of allocating resources than a market transaction—where market trying to guess whether the exchange increased or reduced efficiency, is a less This approach attempts to reconstruct the likely terms of a market transaction to mimic or simu-

wealth makes possible—not only or mainly luxury goods, but leisure, comfort, modlate efficiency to other ethical concepts are discussed in Chapters 8 and 16. ingredients of most people's happiness, so that wealth maximization is instrumental regarding, ethical basis of Pareto superiority? One answer is that the things that not promote happiness, how can they be defended? What, in short, is the ethical to utility maximization. This answer ties efficiency to utilitarianism. Answers that reern medicine, and opportunities for self-expression and self-realizationbasis of the Kaldor-Hicks concept, corresponding to the utilitarian, or preferencemay exceed the joy of the winners. And if legal efforts to simulate market results do piness than a market transaction because the misery of the (uncompensated) losers is not compensated. A legally coerced transaction is less certain to increase net hapa person to discontinue some use of his land on the ground that it creates less value of them were not, the transaction would not be voluntary in even a loose sense. than the decline it brings about in the value of the surrounding land, the defendant But when, for example, invoking the concept of "nuisance, Both parties to a market transaction are compensated for entering into it; if one ," the legal system orders -are major

consumer surplus (see §9.3 infra), is also part of the wealth of society. obtain value from being able to buy them at the competitive price. This value, called sumers would be willing to pay more for some units of the product. So they must over and above the price of the goods sold in them. Go back to Figure 1.2, and of wealth, even though it is not bought and sold. We can speak of leisure as having notice that if the quantity sold were smaller, price would be higher; evidently conan implicit or shadow price (computed how?). Even explicit markets create value they possess), not by what they do pay for them. Thus leisure has value and is a part by what people would pay for things (or demand in exchange for giving up things ber that wealth as used by economists is not an accounting concept; it is measured worth more \$50,000—but I neither have nor can borrow \$100,000. In whose hands is the house market value. my house but then the government condemns it, paying me \$50,000, which is its is a large part of one of the parties' wealth. Suppose I refuse a \$100,000 offer for of the dependence of the efficient allocation of resources on the existing distribution of income and wealth in cases where the subject matter of the transaction The Kaldor-Hicks or wealth maximization approach runs into a special problem it is worth less than that to the government, though more -mine or the government's? In considering this conundrum, remem-The government would happily sell the house back to me

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particular theory of a theoryvalidating reproduc nate. But phenome theory of havior of but it is s law of fall of the esse others wh ventional viewed as cations, tl tion, and througho instrume rational f objective when one happens choose, c the exper ory. The The read A grea

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# §1.3 The Realism of the Economist's Assumptions

rational frog. Rationality means little more to an economist than a disposition to reproduce the complexity of the empirical world in its assumptions would not be law of falling bodies is unrealistic in its basic assumption that bodies fall in a vacuum, of the essence of scientific inquiry, and economics aspires to be scientific. Newton's others whom we shall encounter in the economic analysis of law. But abstraction is ventional economic "actors" as the judge, the litigant, the parent, the rapist, and viewed as descriptions of human behaviorcations, the assumptions of economic theory are one-dimensional and pallid when tion, and costs of absorbing or processing information. 1) Even with these qualifithroughout this book. (These costs are of two kinds-costs of acquiring informatainly does not assume omniscience. Positive instrumental reasoning to get on in life. It does not assume consciousness; happens to have. In other words, rationality is the ability and inclination to use choose, consciously or unconsciously, an apt means to whatever ends the chooser objective rather than subjective, so that it would not be a solecism to speak of a when one understands that the concept of rationality used by the economist is **the experiences** and observations of everyday life. The contradiction is less acute The basic assumption, that human behavior is rational, seems contradicted by what appear to be the severely unrealistic assumptions that underlie economic the-The reader who lacks previous acquaintance with economics may be troubled by validating the theory, is a precondition of theory. A theory that sought faithfully to nate. But its lack of realism in the sense of descriptive completeness, far from inphenomenatheory of law will not capture the full complexity, richness, and confusion of the havior of a wide variety of falling bodies in the real world. Similarly, an economic but it is still a useful theory because it predicts with reasonable accuracy the be--an explanation--criminal or judicial or marital or whatever—that it seeks to illumi--but a description. especially the behavior of such unconinformation costs are assumed

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information costs, he runs the risk of finding himself with too many degrees of example by bringing in (as we shall do many times in this book) risk aversion and nomic analyst seeks to make a very simple economic model more complex, particular, is the opposite of reductionism: Call it complicationism. When the ecotheory of law expounded in many places in this book (especially in Part II) in freedom: that is, with a model that is so flexible that no empirical observation can A greater danger for positive economics in general, and the positive economic -which means that no observation can support it, either.

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important test of a theory is its ability to explain reality. If it does a lousy job, the reason may be that its assumptions are insufficiently realistic; but we need not try correlation, mentioned in the first section of this chapter, between price ceilings explain a vast number of market and nonmarket phenomena, such as the inverse is not so unrealistic as the noneconomist might at first think. Economic theory can so perhaps the assumption that people are rational maximizers of their satisfactions explanatory power, economic theory is a significant (although only partial) success; to evaluate the assumptions directly in order to evaluate it. Judged by the test of All this is not to suggest that the analyst has a free choice of assumptions. An

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<sup>§1.3 1.</sup> Some economists use the term "bounded rationality" to describe the rationality of rational persons who face positive costs of using the information available to them to make decisions.

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the positive correlation in financial markets between risk and expected return; the relation between futures prices and spot-market prices; the dependence of college enrollment on the financial returns to a college education; the fact that the best goods tend to be shipped the farthest distances and the worst consumed at home; and queues; the inverse correlation between rent control and the stock of housing; and many others. Much of this book is concerned with proposing economic explanations for legal phenomena modeled in economic terms.

Another test of a scientific theory is its predictive power, and here too economics has had its share of successes, most dramatically in recent years. The effects of deregulation, for example of the airline industry in the United States, and, more dramatically, of the communist economies of Central and Eastern Europe, have had the effects predicted by economists. In particular, the aftermath of communism has provided repeated confirmations of the predictions of economic analysis, such as that price regulation leads to queuing, black markets, and shortages, competition and free trade promote productivity, and private property encourages investment.

about invisible entities. In this respect, too, economics has had successes, albeit more modest ones than the natural sciences have had. Economists have created new methods of pricing financial and other products, new financial trading strategies, new methods of employee and executive compensation, and new regulatory methods such as airwave auctions and salable pollution rights. These interventions Still another test of a scientific theory is its ability to underwrite effective interventions in the world of action. The most dramatic example is the atomic bomb, which showed that modern atomic theory was not just another clever speculation have worked, suggesting that economic theory is more than just pretty math.

## §1.4 Irrationality and Hyperrationality; Herein of Game Theory

explaining and predicting tendencies and aggregates rather than the behavior of challenged on several grounds besides the superficial one that it does not describe of acquiring more information exceed the likely benefits in being able to make a would be irrational! Still another superficial objection to the rational-choice model is that some people are not fully each individual person; and in a reasonably large sample, random deviations from how people think about or describe their decisions. Another superficial objection, not omniscient, but incompletely informed decisions are rational when the costs -the sort of thing rational and that all of us have lapses from rationality. Economics is concerned with The rational-choice model that underlies orthodox economic analysis has been as we have seen, is that people lack the information to act rationally. People are better decision. A fully informed decision in such circumstancesa person makes who cannot prioritize his tasksnormal rational behavior will cancel out.

A more serious objection is that, perhaps because our brains evolved under different social conditions from those of modern life, human behavior exhibits systematic departures from rationality. Economists such as Richard Thaler, 1 as well as a

31.4 1. See Richard H. Thaler, Quasi Rational Economics (1991).

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vivid impressions relative to what we read about (the "availability heuristic" thing if we didn't have it. For example, we might refuse to sell for \$100 a wristwatch for which we would not pay more than \$90.2 We also engage in "hyperbolic disthat we will soon regret it (future pain).3 We also give undue weight to immediate ones to a degree that is irrational, as when we overeat (present pleasure) knowing counting"; that is, we weight present pains and pleasures more heavily than future dowment effect" altered by the decision. "sunk costs fallacy," number of psychologists, have presented evidence that most of us are prone to the , we are unable to ignore costs that, having already been incurred, cannot be -valuing what we have more than we would value the identical or throwing good money after bad. That is, in making deci-They observe that we are prone to succumb to the "en-

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sighted person's loss of sight. adapted to being blind, so his loss of (prospective) sight is less costly than the blind person who through a doctor's negligence fails to regain his sight has already what we have, and would incur new costs to adapt to something new. A person reader that everyone who owns a good, except the marginal purchaser of it, values are more or less wealthy depending on whether we own the good in question); of (1) wealth effects (our preferences change when our wealth changes, and we Some of these apparent departures from rationality may be explicable in rational-choice terms. The endowment effect may be a consequence of some combination who is blinded in an accident must incur costs to adapt to being blinded; but a than nonowners do); (3) rational adaptive preference it above the market price; so owners of the good as a class value it on average more (2) consumer surplus (see §1.2 supra) (a glance back at Figure 1.2 will remind the the fact that we adapt to

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the nature of rational behavior. at the least, a challenge to the rational-choice theorist to think more carefully about each has its own interests and they are not identical across the selves (see §6.12 cession of separate selves, Hyperbolic discounting may be explicable by positing that the person is a sucssion of separate selves, "time sharing" the same body; each self is rational, but Yet, as in this example, apparent systematic departures from rationality are

The reason they do not worry is that the effect of each consumer's decision on the buy more without worrying that by doing so they may cause the price to rise again. ering the behavior, and in a few other examples) that people made decisions without consid-Traditional economics generally assumed (except when speculating about cartel reactions of other people. If the price of some product falls, consumers

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Public Policy, 3 Leg. Theory 23 (1997).

4. For still another rationality-compatible explanation of the endowment effect, see §3.14 infra. adjusted) riskless discount rate. The present value of \$1 to be received in 40 years is only 21 to 45 cents at discount rates of 2 to 4 percent. This would imply, on the assumption of impartiality between present and future consumption, that the average 30-year-old had only a 21 to 45 percent probability of living to '70. In fact that probability is '75 percent. A possible explanation for this discrepancy is that the 40-year-old's future-oriented self is unable to dominate his present-oriented self, is incompletely altruistic toward the individual's future 70-year-old self, or is both. On the individual as a locus of different selves, see text below and Richard A. Posser, Are We One Self or Multiple Selves? Implications for Law and they are expected to be realized, to a present value, thus enabling comparison among the future states and between each of those states and the present Impartiality between present and future consumption See, e.g., Elizabeth Hoffman & Matthew L. Spitzer, Willingness to Pay Vs. Willingness to Accept: Legal and Economic Implications, 71 Wash. U. L. Q. 59 (1993).
 More subtly, our discount rates are excessive in relation to our mortality risk. A rational individual chooses among possible actions by using a discount rate to reduce future costs and benefits, whenever the future state in question arrives. For most people at most ages, this probability is much greater than is implicit in a discount rate of 2 to 4 percent, the usual range of estimates of the real (that is, inflationimplies discounting future costs and benefits at a rate equal to the probability of still being alive when

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the consumers of coordinating their action would be prohibitive. In some situations, however, a rational person in deciding how to act will consider the probable reacof law, are interested. strategic behavior in many areas in which economists, including economic analysts theory, which is much used by current economists because of the importance of tions of others; he will, in other words, act strategically. This is the domain of game price is likely to be negligible (the consumer is a "price taker"), while the costs to

reduced its output, and in effect divided the market with the new entrant. assume it will --- lose more money than it would if it maintained the monopoly price, entrant to lose money. But the monopolist will lose a lot of money in the process his (and presumably the entrant's) cost, it will deter that entry by forcing the new the prospect of the entry of another firm. If the monopolist charges a price below sider the following ' model that we examined earlier, because it assumes, at least in its purest form, a of repelling entry by selling its product below cost. In fact, it may well—and let's degree of rationality even higher than that assumed in orthodox economics. Con-Game theory presents a striking contrast to the challenges to the rational-choice 'game'' (that is, strategic situation). A monopolist is faced with

run I will be making a worthwhile investment in developing a reputation that will that I'm not bluffing, because he will realize that while I'll lose money in the short his price anyway, thinking: "If I charge a below-cost price, the entrant will know be a rational concern for the monopolist to impute to a prospective entrant. Supdiscourage other challengers to my monopoly position"? It turns out this may not game, is called "backward induction.") the tenth guaranteed, there is nothing to gain from making a reputation by beating will have no incentive to use the scheme against the ninth (for with the entry of prospective entrant will enterfor deterring entry, so he will not charge a below-cost price. Knowing this, the last the monopolist only when it was buying a reputation usable against future entrants. than charging a price below cost. Remember that below-cost pricing made sense to pricing, the tenth would not. For he would realize that when there is only one thoughts of entering this market because of the monopolist's threat of below-cost pose there are 10 prospective entrants. Even if the first nine were to abandon all (This way of solving a game-theoretic problem, by starting with the last move in the up the ninth), and hence against the eighth, and so on right down to the first. monopolist, foreseeing the collapse of his scheme when the last entrant comes in, When there are no more future entrants—when the only possible entrant has enpossible prospective entrant, the monopolist will be better off sharing the market Assume the market has room for only two firms. Might the monopolist reduce the monopolist has nothing further to gain from investing in a reputation -but so will the first. For the first knows that the

to the assumption that everyone involved not only is behaving with complete raan application from a college student, would assume that the student had average help us see why. Suppose no student gave permission, then an employer, faced with student's permission. Such permission is almost never refused. Game theory can transcript to a prospective employer or another educational institution without the sider this familiar example: Federal law forbids colleges to give out a student's pend on such hyperrationality. But neither do all applications of game theory. Conbehaving with complete rationality too. Orthodox economic theory does not detionality but also assumes, and is right to assume, that everyone else involved is What is striking about this example, and common in game theory, is its sensitivity -what else could he assume? Any student with above-average grades would

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student-transcript case is not so elaborate as to require hyperrationality. rium") strategic behavior prevents people with different preferences from acting orists call a "pooling equilibrium," in which (in contrast to a "separating equilibtranscript-privacy law has been ineffective. The example illustrates what game therank as unerringly as if he had disclosed it. Simple game theory thus shows why the of the grade distribution) would be disadvantaged by nondisclosure and would assume that the student was in about the middle of the lower half of the grade-point application from a student who had not released his transcript, the employer would midpoint would grant such permission. So now when an employer received an schools to release their transcripts. Eventually all students with grades above the be hurt by this assumption, so these students would begin giving permission to their differently. The reasoning process required to achieve a pooling equilibrium in the have nothing to gain from disclosurereveal his grades. Eventually, only the student with the very lowest grades would So every student in the third quartile (that is, in the upper half of the lower half distribution, because everyone in the upper half would have revealed his grades. and his failure to disclose would reveal his

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case of a person who has 6 shots in his gun and is facing 10 assailants. None of the 6 assailants, so anyone who attacks first knows that he'll be shot. that of below-cost pricing; the defender has nothing to lose from shooting the first though the attack would be certain to succeed. Actually this is a clearer case than assailants may be willing to attack first, and if so there may be no attack at all, even cost when the first entrant enters, to show that he "means business." It's like the to hang back, knowing that the incumbent seller may have an incentive to sell below potential entrants is equally capable of entering first. Each will have an incentive Now go back to the below-cost pricing example and assume that each of the 10

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choice choice orm, a s. Coned with below ne new process nd let's / price,

of law deals with strategic behavior, not only in the antitrust and student privacy very important analytical technique. inform the analysis and to prepare the reader for a more systematic study of this behavior, and when these occur we shall use simple concepts of game theory a textbook on the economics of law cannot avoid frequent encounters with strategic begun to glimpse, a specialized vocabulary—it requires a textbook of its own. 5 But in game theory. Game theory involves complex analytical methods and, as we have many other areas. Nevertheless, this book does not attempt systematic instruction examples just given, but also in contract negotiations, litigation and settlement, and economic theory. And a part with many potential applications to law, because much theory is the theory of intional strategic behavior, game theory becomes a part of When economics is defined as the theory of rational choice, and given that game

## Suggested Readings

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- 101 J. Pol. Econ. 395 (1993). 1. Gary S. Becker, Nobel Lecture: The Economic Way of Looking at Behavior,
- 484 (1996). Harold Demsetz, Rationality, Evolution, and Acquisitiveness, 34 Econ. Inquiry
- Positive Economics 3 (1953). Milton Friedman, The Methodology of Positive Economics, in his Essays in

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<sup>5.</sup> An excellent game-theory textbook for lawyers is Douglas G. Baird, Robert H. Gertner & Randal C. Picker, Game Theory and the Law (1994).

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## CHAPTER

## $T_{HE}$ ECONOMIC APPROACH TO LAW

## Its History

traditionally had doneof course, but basically what they were doing was no different from what economists consequences of such practices. Their discoveries had implications for legal policy, with the question of monopoly, set about to discover the economic rationales and mation about business practices; and economists, who at the time were preoccupied Coase and others). The records in antitrust cases provided a rich mine of infortract law (Robert Hale), and public utility and common carrier regulation (Ronald (Henry Simons), corporate law (Henry Manne), patent law (Arnold Plant), conanalysis of antitrust law, though there had been some economic work on tax law Until about 1960 economic analysis of law was almost synonymous with economic -trying to explain the behavior of explicit economic mar-

law, admiralty law, family law, and jurisprudence. enforcement and judicial administration; and even to constitutional law, primitive and administrative procedure; to the theory of legislation and regulation; to law tution, and property; to the theory and practice of punishment; to civil, criminal legal system across the board: to common law fields such as torts, contracts, resti economics that has emerged since 1960—is the application of economics to the this book. However, the hallmark of the "new" law and economics—the law and nomic markets, remains a prosperous field and receives considerable attention in The economic analysis of antitrust, and of other legal regulation of explicit eco-

and Ronald Coase's article on social cost. These were the first modern 2 attempts The new law and economics began with Guido Calabresi's first article on torts

32.1 1. Guido Calabresi, Some Thoughts on Risk Distribution and the Law of Torts, 70 Yale L. J. (1961); Ronald H. Coase, The Problem of Social Cost, 3 J. Law & Econ. 1 (1960).

66 U. Chi. L. Rev. 273 (1999); Charles K. Rowley, Law-and-Economics From the Perspective of Economics, in The New Palgrave Dictionary of Economics and the Law, vol. 2, pp. 474, 474476 (Peter Newman ed. 1998); Barbara Fried, The Progressive Assault on Laissez Faire: Robert Hale and the First Law and Economics Movement (1998); Neil Duxbury, Robert Hale and the Economy of Legal Force, 53 Modern L. Rev. 421 (1990); Izhak Englard, Victor Mataja's Liability for Damages From an Economic Viewpoint: 2. Important work on the economics of criminal law was done in the eighteenth and early nineteenth centuries by Beccaria and Bentham—and remains well worth reading. Cesare Beccaria, On Crimes and Punishments (Henry Paolucci trans. 1963); Jeremy Bentham, An Introduction to the Principles of Morals and Legislation, in I Works of Jeremy Bentham 1, 81-154 (John Bowring ed. 1843); Bentham, Principles of Penal Law in I id. at 365. Other precursors are discussed in Ian Ayres, Discrediting the Free Market,

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ysis; but the earlier work had made little impact on legal thought. discussed, sespecially in the work of Pigou, which provided a foil for Coase's analapproach to the problems of accident and nuisance law that Calabresi and Coase edly economic relationships. One can find earlier glimmerings of an economic to apply economic analysis systematically to areas of law that do not regulate avow-

as efforts to promote the efficient allocation of resourcesfruitful economic analysis. 5 An important, although for a time neglected, feature more broadly, established a framework for analyzing the assignment of property book. the doctrines and institutions of the legal system are best understood and explained nomic logic. Later writers have generalized this insight and argued that many of doctrine. Coase suggested that the English law of nuisance had an implicit ecoof Coase's article was its implications for the positive economic analysis of legal rights and liability in economic terms, thus opening a vast field of legal doctrine to Coase's article introduced the Coase Theorem, which we met in Chapter 1, and -a major theme of this

plete without the name of Gary Becker. Becker's insistence on the relevance of ysis large areas of the legal system not reached by Calabresi's and Coase's studies of crime, racial discrimination, and marriage and divorce, opened to economic analand addiction), as well as his specific contributions to the economic analysis of property rights and liability rules. 6 economics to a surprising range of nonmarket behavior (including charity, love, A list of the founders of the "new" law and economics would be seriously incom-

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## \$2.2 Positive and Normative Economic Analysis of Law

alized, empirically tested, and integrated with the insights of the "old" law and economics to create an economic theory of law having explanative power and em-Subsequent chapters will show how the insights of the pioneers have been generby showing how much of one valueit would be inefficient to allow unlimited theft and can thus clarify a value conflict economist cannot tell society whether it should seek to limit theft, he can show that pirical support. The theory has normative as well as positive aspects. Although the Or, taking a goal of limiting theft as given, the economist may be able to -efficiency--must be sacrificed to achieve

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A Centennial to an Ignored Economic Analysis of Tort, 10 Intl. Rev. Law & Econ. 173 (1990); and Herbert Hovenkamp, The First Great Law & Economics Movement, 42 Stan. L. Rev. 992 (1990).

3. See William M. Landes & Richard A. Posner, The Economic Structure of Tort Law, ch. 1 (1987),

<sup>4.</sup> A. C. Pigou, The Economics of Welfare, ch. 9 (4th ed. 1932).
5. The modern literature on property rights also reflects, however, the influence of Frank Knight's important early work, Some Fallacies in the Interpretation of Social Cost, 38 Q. J. Econ. 582 (1924); see

Accounting for Tastes (1996) 6. For the character of Becker's contributions to economics, see Gary S. Becker, The Economic Approach to Human Behavior (1976); Becker, A Treatise on the Family (enlarged ed. 1991); Becker,

The new law and economics is now the subject of an extensive literature; besides the pertinent portions of this book, book-length treatments include Robert Cooter & Thomas Ulen, Law and Economics (2d ed. 1997); William M. Landes & Richard A. Posner, The Economic Structure of Tort Law (1987); A. Mitchell Polinsky, An Introduction to Law and Economics (2d ed. 1989); Richard A. Posner, The Economics of Justice (1981); Steven Shavell, Economic Analysis of Accident Law (1987).

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show that the means by which society has attempted to attain that goal are ineffibe socially desirable even if efficiency were low on the totem pole of social values. methods. If the more efficient methods did not impair any other values, they would -that society could obtain more prevention, at lower cost, by using different

rules and outcomes as they are rather than to change them to make them better resurgence of free-market ideology both in the United States and throughout much a laissez-faire ideology based on classical economics was the dominant ideology of only the great common law fields of property, torts, crimes, and contracts, bear the of the rest of the world the educated classes. And with the fall of communism there has been a strong toward efficiency. Many legal doctrines date back to the nineteenth century, when not be surprising to find that many legal doctrines rest on inarticulate gropings character. (Remember how broadly economics was defined in Chapter 1.) It would surface to find those grounds, many of which may turn out to have an economic deed, legal education consists primarily of learning to dig beneath the rhetorical concealed rather than illuminated by the characteristic rhetoric of opinions. Inerences to economic concepts. But often the true grounds of legal decision are stamp of economic reasoning. Granted, few judicial opinions contain explicit refwe shall see in subsequent chapters that many areas of the law, especially but not As for the positive role of economic analysis of law--the attempt to explain legal

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sponsibilities between private persons and public agencies. legal system as the role of precedent and the allocation of law enforcement reshall see, are permeated by economic concerns and illuminated by economic analfrom common law fields are less likely to promote efficiency, yet even they, as we a system for maximizing the wealth of society. Statutory or constitutional as distinct incentives. The theory is that the common law is best (not perfectly) explained as the difficulty of the questions that the law wrestles with and the nature of judges' common law doctrine and decision is efficient. That would be highly unlikely, given What we may call the efficiency theory of the common law is not that every Such analysis is also helpful in explaining such institutional features of the

jury will decide is whether the cost of the injury should be shifted from X to Y, will argue that it is just that X be compensated since Y was at fault and X blameless. whether, that is, it is "just" or "fair" that X should receive compensation. X's lawyer the parties and their lawyers are interested and the only question the judge and economics? X is shot by a careless hunter, Y, and sues. The only question in which case in such different ways as to guarantee a basic incompatibility between law and may be in the financial consequences of a past accident.

This dichotomy, however, is overstated. The decision in the case will affect the but the economist is not (one might think) interested in the one question that the loss to remain on X. Not only are justice and fairness not economic terms, The parties to the litigation may have no interest in the future. Their only interest justified and thus in reducing the sum of accident and accident-prevention costs the economist, the accident is a closed chapter. The costs that it inflicted are sunk concerns the victim and his lawyer: Who should bear the costs of this accident? To Y's lawyer may argue that X was also careless and hence that it would be just for The economist is interested in how to prevent future accidents that are not cost-But, it may be asked, do not the lawyer and the economist approach the same

a warning that if one behaves in a certain way and an accident results, one will have a rule for the guidance of people engaged in dangerous activities. The decision is future, and so it should interest the economist, because it will establish or confirm rbert e to neve flict that the emand meres of analis of love, e of com-

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may affect their behavior and therefore accident costs. altering the shadow price (of risky behavior) that confronts people, the warning to pay a judgment (or will be unable to obtain a judgment, if the victim). By thus

perspective is not alien to the legal process after all.

The "economic theory of law" and the "efficiency theory of the common law" rulings on the frequency of accidents and the cost of precautions. The ex ante cannot be sensibly resolved without consideration of the future impact of alternative defendant. The issue becomes what is just and fair for a class of activities, and it assume broader meanings than what is just or fair as between this plaintiff and this reference is expanded beyond the immediate parties to the case, justice and fairness similar people to be careless, a type of costly behavior. Thus, once the frame of ground that he is a "deserving, of people engaged in activities that give rise to the kind of accident involved in the therefore consider the probable impact of alternative rulings on the future behavior ruling will be a precedent influencing the decision of future cases. The judge must Conversely, the judge, and hence the lawyers, cannot ignore the future. The legal before him. If, for example, judgment is awarded to the defendant on the " albeit careless, person, the decision will encourage

and so forth. The distinction will become clear in Chapter 11, which argues that by cartelizing the supply of labor in particular markets. which is economic but not efficient, is to increase the incomes of union members explicable in economic terms, is not a system for maximizing efficiency; its goal, federal labor law administered by the National Labor Relations Board, although hypothesizes a specific economic goal for a limited subset of legal rules, institutions, possible through the use of economics. The latter (which is included in the former) should not be confused. The former tries to explain as many legal phenomena as

# §2.3 Criticisms of the Economic Approach

osophical debate. reaching given social ends by the most efficient path—are untouched by the philnomics mentioned earlier—to clarify value conflicts and to point the way toward promote other goals effectively. With the same proviso, two normative uses of ecodominates the law as administered by the courts because of the courts' inability to with that system? Besides what was said in the first chapter, we shall see in Chapjudges do not speak its language. Another common criticism is that the normative the only or the most important one, of our ethical system, it may be the one that ter 8 that, provided only that this concept is a component, though not necessarily ethical system? But is the Kaldor-Hicks concept of efficiency really so at variance mental social norms, and how could those norms be inconsistent with the society's positive and normative analysis, but it does not. Law reflects and enforces fundathat the legal system would embrace them. This criticism may appear to confound underpinnings of the economic approach are so repulsive that it is inconceivable criticism not limited of course to economic analysis of law) and that lawyers and nomics. We have already examined the criticisms that economics is reductionist (a academic lawyers who dislike the thought that the logic of the law might be eco-Economic analysis of law has aroused considerable antagonism, and not only among

is unconvinced by the most aggressive version of that analysis. One could believe that Moreover, economic analysis of law should not be rejected merely because one

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ally fascinating—and in any of these cases one would not want to shut this book economics explained only a few legal rules and institutions but that it could be used quite yet! analysis of law had little explanatory or meliorative significance but was intellectubecause economics is an immoral guide to legal policy, or even that economic to improve many of them, or that it explained many of them but regrettably so

of public goods (see §16.4 infra) could be viewed as one of the ideological underprotect consumers frequently ends up hurting them, no-fault automobile insurance its practitioners have found that capital punishment deters, legislation designed to some quarters better described as a reason for the distaste with which the subject is regarded in such as Ian Ayres, Guido Calabresi, John Donohue, Gillian Hadfield, Jon Hanson, the significant number of prominent practitioners of it who are decidedly liberal, sequent chapters of this book—concerning right to counsel and standard of proof also overlooks a number of findings of economic analysts of law, discussed in subinant, it ceases to be perceived as having an ideological character. The criticism pinnings of the welfare state, but is not so viewed; once a viewpoint becomes domfor liberal positions is rarely said to exhibit political bias. For example, the theory nents of the other policies mentioned. Yet economic research that provides support these provide ammunition to the supporters of capital punishment and the oppois inefficient, and securities regulation may be a waste of time. Findings such as Christine Jolls, and Daniel Rubinfeld. regulation of sex, and many othersbroadcasting, the social costs of monopoly, damages in personal-injury cases, the in criminal cases, bail, products liability, the application of the First Amendment to best evidence that economic analysis of law is ideologically neutral or balanced is Another recurrent criticism of the economic approach to law is that it manifests a conservative political bias. We shall see that -that support liberal positions. Perhaps the -although it is

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tributive justice, the proper degree of economic equality. Although economists canlife cycle, and about the costs of achieving greater equality. These matters are disabout the difference between real economic inequality and inequalities in pecuthe actual amounts of inequality in different societies and in different periods, not tell society what that degree is, they have much to say that is relevantdistinguish between the different meanings of this word. Sometimes it means discussed in Chapter 16. niary income that merely offset cost differences or reflect different positions in the The economic approach to law is criticized for ignoring "justice." One must

negligent automobile driver answer in damages to the victim of his negligence, this without a trial, taking property without just compensation, or failing to make see, among other examples, that when people describe as unjust convicting a person surprise that in a world of scarce resources waste should be regarded as immoral. concept of efficiency (§4.14 infra). And with a little reflection, it will come as no ther §8.6 infra). Even the principle of unjust enrichment can be derived from the means nothing more pretentious than that the conduct wastes resources (see fur-A second meaning of justice, perhaps the most common, is-–efficiency. We shall

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religious, or sexual grounds; to permit killing and eating the weakest passenger in obviously inefficient to allow suicide pacts; to allow private discrimination on racial But there is more to notions of justice than a concern with efficiency. It is not

<sup>§2.3 1.</sup> Although not enough of one for some tastes! See, e.g., James M. Buchanan, Good Economics—Bad Law, 60 Va. L. Rev. 483 (1974); Richard A. Epstein, A Theory of Strict Liability, 2 J. Leg. Stud. 151, 189-204 (1973).

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in this book. nomics, a point the reader should keep in mind in evaluating normative statements bitions in economic terms, but most cannot be; there is more to justice than ecoextent illegal. An effort will be made in this book to explain some of these prohipation in dangerous medical experiments. Yet all these things offend the sense of blackmail; or to give convicted felons a choice between imprisonment and particito allow the use of deadly force in defense of a pure property interest; to legalize incriminating testimony; to flog prisoners; to allow babies to be sold for adoption; the lifeboat in circumstances of genuine desperation; to force people to give selfof modern Americans, and all are to a greater or lesser (usually greater)

influential body of insights and analytic techniques. a distinct field. But for now, it is well worth studying as a fruitful, interesting, and day become so deeply woven into the fabric of the law that it ceases to be visible as peak. And it shows no signs of abating. Like some of the other fields, it may some new fields of legal scholarship, except those too recent to have yet reached their outlasted legal realism, legal process, and every other one of the twentieth century's late, since there was already a significant scholarly literaturetaken to mark the beginning of economic analysis of law—which would date it too The first edition of this book was published three decades ago. Even if that were -the field has now

## Suggested Readings

- 1. Ronald H. Coase, The Problem of Social Cost, 3 J. Law & Econ. 1 (1960).
- Coleman, Markets, Morals, and the Law (1988).
- parative Success of Economics in the Social Sciences, 35 Econ. Inquiry 1 (1997). Harold Demsetz, The Primacy of Economics: An Explanation of the Com-
- Neil Duxbury, Patterns of American Jurisprudence, ch. 5 (1995).
- Why It Matters (2001). David D. Friedman, Law's Order: What Economics Has to Do with Law and
- 33 Stan. L. Rev. 387 (1981). 6. Duncan Kennedy, Cost-Benefit Analysis of Entitlement Problems: A Critique
- 7. William M. Landes & Richard A. Posner, The Economic Structure of Tort
- ch. 1 (1987).
- 8. Arthur Allen Leff, Economic Analysis of Law: Some Realism About Nominalism, 60 Va. L. Rev. 451 (1974).
- (1997).9. Thomas J. Miceli, Economics of the Law: Torts, Contracts, Property, Litigation
- Chicago Lectures in Law and Economics (Eric A. Posner ed. 2000).
- 11. Ethics, Economics, and the Law, 24 Nomos (1982).
- 1998). 12. Foundations of the Economic Approach to Law (Avery Wiener Katz ed.
- (1980)13. Symposium on Efficiency as a Legal Concern, 8 Hofstra L. Rev. 485; 811
- 1987). 14. Symposium: Economists on the Bench, 50 Law & Contemp. Probs. 1 (Autumn
- (1989).15. Symposium on Post-Chicago Law and Economics, 65 Chicago-Kent L. Rev. 3

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## CHAPTER 27

# RACIAL DISCRIMINATION

# §27.1 The Taste for Discrimination

groups different from their own and will pay a price to indulge their taste. Thus, working for whites (or vice versa), whites selling houses to blacks, and so forthalthough there are pecuniary gains to trade between blacks and whites—to blacks on those members of either race who dislike association with members of the other between members of the two races such trade imposes nonpecuniary, but real, costs much as there are pecuniary gains to trade among nations, by increasing the contact Some people do not like to associate with the members of racial, religious, or ethnic also reduce the amount of trading. race. These costs are analogous to transportation costs in international trade, which

making advantageous exchanges with whites; and the reduction in the blacks' inof the whites will also reduce the incomes of the blacks, by preventing them from who are willing to pay higher prices than white purchasers. But the racial preference advantageous exchanges. For example, they may refuse to sell their houses to blacks will be lower than they would be if they did not have such a taste. They forgo to the racial identity of those with whom they associate. The incomes of many whites Assume that whites do not like to associate with blacks but that blacks are indifferent as to be virtually self-sufficient; the black sector is much smaller and more depentageous transactions that whites can make with blacks. The white sector is so large exchanges that blacks can make with whites is greater than the number of advan-Because blacks are only a small part of the economy, the number of advantageous comes will be proportionately greater than the reduction in the whites' incomes. dent on trade with the white There is nothing inefficient about this, but the wealth effects can be dramatic.

survive a substantial reduction of its foreign trade in relative comfort. Switzerland constitutes so large an aggregation of skills, resources, and population that it could achieve economies of scale and of specialization without trading with other coun-Switzerland in the world economy. tries. The position of the black minority in the United States is similar to that of could not. Its markets are too small and its resources too limited to permit it to The international trade analogy can help clarify the point. The United States

**§27.1** 1. Some whites—those who are not prejudiced—will have higher incomes than they would if other whites were not prejudiced (why?).

competitive markets that tend to minimize discrimination. In a market of many sellers the intensity of the prejudice against blacks will vary. Some sellers will have international markets were not competitive, there are economic forces at work in international trade due to higher costs of transportation would be no evidence that market in much the same way as people who are least afraid of heights come their share of the market. The least prejudiced sellers will come to dominate the interferes). Their costs will therefore be lower, and this will enable them to increase geous transactions with blacks as their more prejudiced competitors (unless the law only a mild prejudice against them. These sellers will not forgo as many advantadiscrimination. So will (or may) discrimination that reflects the tastes of consumers without need for government intervention, provided only that markets are compremium. 2 This is not to say that discrimination is bound to disappear completely, majority. Can you see why? tastes. But notice that, the smaller the discriminated-against group, the less harmed rather than of sellers, consumers do not face competitive pressures to change their therefore persist whether or not a firm's owners or managers have any taste for petitive. Some discrimination is efficient (see §11.7 supra and §27.5 infra) and will Although discrimination is consistent with competition, just as a reduction in members of the group will be by less than complete discrimination by the occupations that require working at heights: They demand a smaller

association with blacks is less valuable to a prejudiced owner; he suffers either a are likely to come into the hands of the least prejudiced. A monopoly that requires the community. True, any monopolies that are freely transferable (such as patents) on average, as prejudiced as the average, not as the least prejudiced, member of against blacks is weaker under monopoly. The single seller in the market will be, udiced will tend to purchase monopolies from the more prejudiced. But not all blacks or a nonpecuniary cost by making such transactions. Therefore the less prej reduction in his pecuniary income by forgoing advantageous transactions with monopolies are freely transferable. tendency for the market to be dominated by firms with the least prejudice

are weakened further. One way to evade a profit ceiling is by substituting nonpeating with the people against whom one is prejudiced.3 agency to control; and one type of nonpecuniary income is freedom from associcuniary for pecuniary income, since the former is very difficult for a regulatory If the monopoly is regulated, the market forces working against discrimination

membership, or it could adopt nonprice criteria, such as nepotism or, as unions are paid. If the union controls the jobs, it will have to allocate them somehow. It above the competitive level, creates excess demand for the jobs in which these wages their monopoly profits in the form of freedom from a type of association they found once did, membership in the white race. The members of the union took a part of could auction off vacancies as they occur or permit members to sell their union petition in minimizing discrimination. A monopolistic union, by increasing wages distasteful. Labor unions that have monopoly power may reduce the effectiveness of com-

Can Competition Among Employers Reduce Governmental Discrimination? Coal Companies and Seggregated Schools in West Virginia in the Early 1900s, 32 J. Law & Econ. 311 (1989).

3. For evidence, see Armen A. Alchian & Reuben A. Kessel, Competition, Monopoly, and the Pursuit of Money, in Aspects of Labor Economics 157 (Nat'l Bur. Econ. Research 1962). For evidence that blacks in fact benefit from competition among employers, see Price V. Fishback,

<sup>4.</sup> An alternative explanation suggested earlier is that race is an inexpensive method of rationing

School Segregation

have an adverse effect on racial minorities. Another is the minimum wage. 5 exist in an unregulated market. And these are not the only government polices that and for strong labor unions, may increase discrimination above the level that would Thus government policy, which is responsible for profit controls on monopolists

## §27.2 School Segregation

blacks' weak position in the profession made such associations less valuable to white students of being barred from association with black law students, noting that the jected the argument that this disadvantage was offset by the disadvantage to white likely to occupy important positions in the bench and bar after graduation. It reno opportunity to develop valuable professional contacts with the students most u. Painter, which held that blacks could not be excluded from state law schools. The Court pointed out that black students in a segregated law school would have associations would be especially valuable to the blacks because of the dominant position of the whites in the society. The Court had recognized this point in Sweatt tion reduces the opportunities for valuable associations between races, and these from a psychological basis for rejecting the notion of separate but equal. Segregachildren. The analysis in the preceding section suggests an economic as distinct education was inherently unequal because it instilled a sense of inferiority in black In Brown v. Board of Education, 1 the Supreme Court invalidated state laws requiring permitting racial segregation of public schools. The Court held that segregated

sures made it cheaper for parents to shift their children to segregated private subsidizing private education through tuition grants and tax credits. These meatrolled the public finance of the states, it could deflect the force of the Court's many years small (it may still be small). Further, since the white population connation more costly but since the white population valued such discrimination highly, the effect of the Court's action on the amount of discrimination was for districts containing few black residents. The Supreme Court had made discrimiregation. They sent their children to segregated private schools or moved to school whites were willing to pay the additional costs necessary to perpetuate school segable to compel the southern states to stop enforcing their segregation laws, many the federal courts, the Department of Justice, and other agencies were eventually would have been in the absence of such lawsschool districts to operate integrated schools made discrimination greater than it If our earlier analysis is correct, the laws invalidated in Brown that forbade local in part at least, by reducing appropriations for public education and by -but perhaps not much greater. While

ination by the ne less harmed o change their s of consumers e any taste for rkets are com ear complete. nand a smaller eights come to odominate the tem to increase sellers will have narket of many orces at work to evidence the infra) and will many advanta (unless the law

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339 U.S. 629 (1950).

the members of the majority? 827.2 1. 347 U.S. 483 (1954). access and thereby increasing the net gains from monopolizing the labor supply. See §11.9 supra. Either explanation has the same consequences for the welfare of the excluded blacks.

5. See §11.7 supra; Harold Demsetz, Minorities in the Market Place, 43 N.C.L. Rev. 271 (1965). Does the analysis in this section suggest an economic reason why the disemployment effects of the minimum wage might be concentrated on the members of a minority that is discriminated against rather than

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to private school. The court can minimize this effect (and thus maximize the benefit are to incur the costs of moving to another school district or sending their children decree will operate as a tax. The higher the tax, the more likely the white parents presence of black children as a detriment to their own children, any desegregation decree. From the standpoint of white parents who for whatever reason regard the causing so much "white flight" that black children will derive no benefit from the tion in the past (and can therefore be placed under a remedial decree), without mote the integration of the public schools of a community that practiced segregawhich in the 1990s are still enforced and contested. Suppose a court wants to prorises with the ratio of black to white children in the school the fraction of any school that is black, since the desegregation "tax" on whites decree as possible, so that the costs to the white families of relocating are maxiof the decree to blacks) by (1) imparting as broad a geographical scope to the than whites, as by busing black children rather than white children, and (3) limiting Economic analysis might be helpful in the design of desegregation decrees, (2) imposing as many of the costs of the decree as possible on blacks rather

ample, the Supreme Court in Brown, rather than invalidating public school segrefollow that they might not benefit even more from alternative strategies. For exstates devote much larger sums to the education of blacks than had been their by requiring, as a condition of maintaining segregated schools, that the southern gation, might have exploited the value that southern whites attached to segregation income of the blacks by an average of \$2,000 (ignore the lag between changed nation of segregated education would increase the pecuniary and nonpecuniary income of the blacks is \$5,000 and of the whites \$10,000. Assume that the elime Imagine a community composed of 200 blacks and 800 whites, where the average practice. Blacks conceivably might have been better off under such an arrangement increase the blacks' incomes by \$400,000 more than integration would increase dollar so spent would benefit blacks by one dollar. Then this expenditure would for the blacks as the price of continued segregation, and let us assume that every schools. They would therefore be willing to spend \$800,000 on better education munity would be willing to pay an average of \$1,000 apiece not to integrate the therefore gain \$400,000 from desegregation. But suppose the whites in the comeducational conditions and better employment). The black community would even if the Brown decision had received prompt and wholehearted compliance Even if black children benefit greatly from integrated education, it does not

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are truly equal in quality, this would lend plausibility to the criticism that the Branch as much money on the black as on the white facilities. Yet if the segregated facilities cannot be compensated for the insult implicit in a regime of racially segregated freedom of association of blacks, and that there is no neutral principle by which decision denied freedom of association to whites at the same time that it promote rest rooms and drinking fountains by a judicial decree requiring the state to spens applicable to segregated rest rooms and drinking fountains? to the whites. Well, but what has this point to do with efficiency? And how the per capita cost to them of the whites' prejudice is much greater than the analysis suggests an important distinction: Because blacks are an economic minum choose between the associational preference of whites and blacks. 3 But economic This alternative strategy would not work for all segregated public facilities. Black

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ferable mo expected t monopoly good enoi school sys would be obvious tl tion. Whe also inval the decisi udiced ha segregate tinguishe levels of not in the or other terprise; Three

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3. Herbert Wechsler, Toward Neutral Principles of Constitutional Law, 73 Harv. L. Rev. 1 (1)

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3) limiting icks rather ope to the he benefin ir children gregation regard the t from the ), without d segrega nts to pron decrees on whites are max

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## \$27.3The Requirement of State Action

The Requirement of State Action

analysis can help clarify the issues involved in distinguishing state from private acminorities, provides that no state shall deny anyone the equal protection of its laws or deprive anyone of life, liberty, or property without due process of law. Economic The Fourteenth Amendment, which was enacted primarily for the benefit of racial

expected to discriminate more, on average, than competitive firms or freely transgood enough substitute for the latter to deprive a public school district of all its school system is a nontransferable monopoly (private education, because it costs would be if all education were private; but probably there will be more. A public obvious that the result will be a different amount of discrimination from what there also invalidated state laws permitting local school districts to segregate at their opudiced half of the population and thus to produce greater discrimination than if the decision to segregate were left to individual public school districts. The Court segregated. Such laws may be presumed to enact the prejudices of the more prejtinguished. The Court invalidated laws requiring all public schools in a state to be terprise; state involvement in private enterprises that practice discrimination but or other official action that orders discrimination; discrimination by a public entransferable monopolies, this point has general application to public agencies. ferable monopolies. Since most governmental services are in the nature of nonmonopoly power), and we saw earlier that nontransferable monopolies may be the consumer as distinct from the taxpayer more than public education, is not a tion. When the decision to segregate is left to each local school district it is not so levels of state involvement were involved in the *Brown* case, but they were not disnot in the decision of the enterprise to discriminate. Both the first and second Three levels of state involvement in discrimination can be distinguished: a law

this does not increase the probability that a white homeowner will refuse to sell his discriminate is indeed greater. The state also maintains an extensive system of land house to a black buyer because of distaste for association with blacks. title recordation and is otherwise deeply involved in the regulation of land use. But mon carrier regulation, then, as we saw earlier, the likelihood that the firm will nation more likely. Where that involvement takes the form of public utility or comactivity. The question should be whether the state's involvement makes discrimiindividual or firm, even though the state is involved to some extent in the private The analysis is different when the decision to discriminate is made by a private

discriminate office building, 1 unless the public authority had encouraged the concessionaire to But it would not forbid discrimination by the private concessionaire in a public have thereby increased the likelihood that they would practice racial discrimination. for the governmental policies that have fostered the growth of monopolistic unions the courts have employed. It would prohibit racial discrimination by trade unions, The foregoing analysis suggests a different definition of state action from what

enforced? May the City of Macon as trustee of the park donated by Senator Bacon of legal enforcement of a private decision to discriminate. May racial covenants be An interesting question is presented when the state involvement takes the form

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threat of violence rights more economic activity would be directed either by political decision or by taste for discrimination was widespread, since without legally protected property be less discrimination. There might be more, especially in communities where the want black customers? It is hard to believe that without property rights there would forbid recourse to civil and criminal trespass remedies by shopkeepers who do not comply with the racial condition in the gift? Does the equal protection clause

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the will result has

poraries wanted. as a provision in a foundation charter declaring the purpose of the foundation to in racial discrimination, enforcing racially motivated deed or gift restrictions (such than contemporaries want or less. Were there a secular increase rather than decline it is fortuitous whether the result of a perpetual condition is more discrimination contingency, in this case a decline in the taste for discrimination, materializes. But deed or gift may cause resources to be employed inefficiently if an unforeseen of the broader concern discussed in Chapter 18 that a perpetual condition in a never permit trade to be conducted other than in sailing ships. This is an instance ogy, it is a little as if nations had agreed in the nineteenth century that they would than the members of society want today. To return to the international trade analrestrictive covenant and charitable gift cases would be to create more discrimination A more interesting point is that the effect of enforcing a racial condition in the to discriminate, the cost of discrimination would be higher and the incidence lower. be to promote racial integration) might produce less discrimination than contem-It is true but trivial that if the state enforced all private decisions except those

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# §27.4 Antidiscrimination Laws

of argument provides the strongest justification for reverse discrimination, discies of the southern states from which many northern blacks originated. This kind blacks, which may have been influenced by the discriminatory governmental polllow because of particularly severe employment discrimination against educated fact that the financial return to education for black people has traditionally been from discriminatory laws or other governmental policies. If black children on avwhich black people suffer today could be due in part to past discrimination resulting defined. the transactions that are prevented would be in interstate commerce, even narrowly sense. Discrimination reduces transactions between blacks and whites and many of The second justification strikes many people as contrived, yet makes economic turies of discriminatory legislation and second as promoting interstate commerce. dation are sought to be justified first as necessary to eliminate the effects of cenin employment, and in restaurants, hotels, and other places of public accommocussed in the next section. erage perform less well than whites even in northern schools, it may be due to the Federal laws forbidding private discrimination in the sale and rental of real estate, The first justification is plausible but indefinite. Any deprivation from

nation laws. Economic analysis helps explain the variance in compliance with anti-discrimi-If the interracial associations brought about by such a law are slight,

3. See Evans v. Newton, 382 U.S. 296 (1966); §18.2 supra.

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hotel on the other are impersonal except where the establishment is very smallthe cost of association even to prejudiced people will be low and they will not be willing to incur heavy costs in the form of punishment for, or legal expenses of, among school children intimate and prolonged but to the extent that black chiland easily achieved. School integration is different. Not only is the and for this reason small establishments were exempted from the public accomassociation between a hotel owner and staff on the one hand and the guests of the Most housing-discrimination cases, therefore, involve rentals rather than sales. The a black purchaser is limited to negotiating the sale (and a broker does that anyway). these laws. Unless the seller plans to stay in the neighborhood, his association with grounds to sell real estate, although few resources have been allocated to enforcing has been general compliance with laws forbidding people to refuse on racial posed by an undesired association. integration may involve costs to whites over and above the nonpecuniary costs imdren, for whatever reason, on average perform worse in school than white children, modations lawresisting compliance in order to indulge their taste. It is not surprising that there —so again it is not surprising that widespread compliance was rapidly association

proof, of statutory purpose, of remedy, and of efficacy. A firm may have no black employees, even if it is located in an area with a large black population, for reasons nonpecuniary cost of the job to him. Advertising job openings in the black comemployee imposes productivity losses that he does not recoup in higher wages. The costs greater than the benefits to the blacks who are hired. The unqualified black community openings for jobs in which very few blacks are interested, the firm incurs to induce them to do a type of work that they do not like, or advertise in the black the firm. If an employer is forced to hire unqualified blacks, pay them a premium may not like the type of work, or they may simply be unaware of job openings at workers. There may be no blacks with the requisite training or aptitude, or blacks unrelated to discrimination by either the management of the firm or the white the welfare of black people are regressive as well as inefficient. costs probably will be passed on to the firm's customers, these methods of improving to generate a significant flow of qualified applicants. Since most of the additional munity may not confer a benefit commensurate with its costs if the advertising fails is a cost to the firm but not a benefit to the black employee; it just offsets the premium paid to the black employee who does not like to work in this type of job Laws forbidding discrimination in employment involve interesting questions of

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association distasteful to the whites. And the costs are unlikely to be offset by the association with blacksimpose no pecuniary costs—by hypothesis the workers have no choice but to accept employees. If they lack such opportunities, the elimination of discrimination may and attractive alternative employment opportunities in firms that do not have black pay a higher wage to those white workers who have both a taste for discrimination they are applied to employers who in fact discriminate. The employer may have to the blacks would probably have been hired without legal pressure (why?) gains of black workers for whom jobs in the firm are superior to their alternative brings to the firm and hence to its customers; if there were such offsetting gains, job opportunities or by the economic advantages that increased trading with blacks Laws forbidding job discrimination (see also §11.9 supra) are costly even when -but it will impose nonpecuniary costs in the form of an

crimination laws, the intended beneficiaries benefit. But they may not. The first and lesser point is that blacks pay as consumers and as workers their proportionate So far in this discussion it has been assumed that, whatever the costs of antidisreal estate, accommocts of cencommerce. economic ad many of a narrowly ation from a resulting hen on avdue to the mally been t educated nental political. This kind nation, dis-

nti-discrimir are slight,

their plants and offices are located. to charges of discrimination the larger the black population in the area in which under the disparate-impact theory of discrimination, they will be more vulnerable locate their plants or offices in areas of high black populationminimize their employment of blacks. For example, they will be less inclined it costs firms to employ black workers, the greater the efforts firms will make to these costs with whites, whereas the benefits accrue only to them. Second, the more share of any costs that antidiscrimination laws impose on firms. However, they share -especially if,

capricious and regressive tax on the white working class. order to improve the condition of black workers, such an injunction operates as a imposing costs on white employees who may be untainted by discrimination in employer to hire a specified number or percentage of blacks. The injunction will compensate and deter and seems preferable to an injunctive remedy requiring the discriminated? Economic analysis suggests that the employer should be required to black over white job applicants until the quota fixed in the decree is attained. By to facilitate enforcement in cases in which the damages are small. This will both pay the damages of the person discriminated against, perhaps doubled or trebled What should be the remedy in a case in which an employer is adjudged to have him to lay off white workers or, what amounts to the same thing, to favor

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standpoint, who is more likely to harbor discriminatory feelingsfor discriminationunion. Or the employer may have discriminated only because of his workers' taste employer for the discrimination. The employees may have barred blacks from their employee responsibility for the discrimination is proved?) ployer or the white employee? What is the appropriate remedy in a case in which The analysis is more complicated if the employees share responsibility with the -he himself being free from it. (Indeed, from an economic the white em-

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job classification. Should the measure of damages be the difference between the two wage rates? What if any weight should be given to the possibility that if the be due to discrimination, whatever the employer's taste? can it be argued that no difference in wages between black and white workers could investment in education? If only a few employers in a labor market discriminate, by showing that part of the wage difference is a return to the white workers' employed fewer workers of both races? Should the employer be allowed to defend employer had had to pay the same wages to whites and blacks, he would have Suppose an employer pays white workers more than black workers in the same

inferior working conditions). So a decline in employment discrimination can actually produce an increase in employment discrimination suits! 1 against an employee than against an applicant (e.g., harassment, failure to promote, because there are more dimensions along which an employer can discriminate cause damages are based on mid-career rather than ordinarily lower entry-level refusals to hire to discharges. Discharge suits are more lucrative for plaintiffs be more blacks are hired, the composition of antidiscrimination claims shifts from prejudice and discrimination are not synonyms, there is the fact that, as more and at all. Apart from the fact, noted earlier and explored in the next section, that number has increased. Does this refute the economic theory of discrimination? Not One might suppose that the number of antidiscrimination suits would fall over as prejudice diminished among sellers in competitive markets. Actually the because the former are more likely to exceed opportunity cost (why?), and

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# **§27.5**

Reverse Discrimination 1

Reverse Discrimination

even if the admission criteria provide unbiased estimates of black academic performance. Many law schools do this. Is such reverse discrimination a fundamentally discrimination is simply a result of taste and inquire more closely into its causes. this question will require us to go behind the assumption heretofore employed that different animal from the old-fashioned discrimination against blacks? To answer that law schools should set lower admission standards for blacks than for whites It is often urged that blacks should be given preferential treatment—for example,

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with the brand might have been better. of an unhappy experience with a previous purchase of it, albeit the next experience Discrimination so motivated has the same basic character (its distributive effects the information cost that more extensive sampling of Mycenaeans would entail may of course be different) as a decision to stop buying Brand X toothpaste because who do not have a strong garlic breath, this opportunity cost may be smaller than as members. Although I might be forgoing valuable associations with Mycenaeans economize on information costs by declining to join a club that accepts Mycenaeans me (perhaps incorrectly) <sup>2</sup> that most Mycenaeans have a strong garlic breath, I can with which it is correlated ("statistical discrimination"). If experience has taught rational for people to use the attribute as a proxy for the underlying characteristic undesired characteristics, or negatively correlated with desired characteristics, it is difficult to conceal (sex, accent, etc.) is positively correlated with the possession of ever, is the costs of information. To the extent that race or some attribute similarly identifying the members of the competing or exploited group. Another factor, how-California's Japanese residents and has been a frequent factor behind antisemiirrationality are factors in many cases. Discrimination is sometimes anticompeti-Racial discrimination has a number of possible causes. Sheer malevolence and -this appears to have been a factor in the internment during World War II of -and sometimes exploitive, as in slavery. Race enters as a convenient factor

standpoint the type of discrimination that is motivated purely by information costs members of one ethnic group. As this example illustrates, from a pure efficiency then the entire cost of airport searches of innocent persons would be borne by in question would be searched before being permitted to board an aircraft. tional police strategy to use "ethnic profiling" whereby only members of the group percentage of the members of the group were airline hijackers. It would be a raplane hijackers were members of a particular ethnic group, but that only a small should be lawful. On utilitarian grounds it may well be unjust, even if efficient (the type usually called by economists "statistical discrimination") might, if sub-(explain). It is likely, however, to be offensive. Suppose, for example, that all air-The fact that some racial discrimination is efficient does not mean that it is or

see the judicious discussion in John J. Donohue III & James Heckman, Continuous Versus Episodic Change: The Impact of Civil Rights Policy on the Economic Status of Blacks, 29 J. Econ. Lit. 1603 (1991). find few such benefits outside the South.

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See also §11.9 supra

<sup>2.</sup> Because of the difficulty of establishing property rights in information, people may have inadequate incentives to investigate even the average characteristics of the groups they deal with. What are the policy implications if this proposition is accepted?

3. See Amy Farmer & Dek Terrell, Crime Versus Justice: Is There a Trade-off?, 44 J. Law & Econ. 345

jected to the balancing approach often used in constitutional cases (see §28.2 infra); however, on the weight placed on the distributive costs of discrimination). result in upholding some racial discrimination on efficiency grounds (depending,

burdens on the middle-class blacks who lack these characteristics blacks based on the characteristics of many benefits on middle-class blacks in much the same way that discrimination against economize on search costs. The result, it can be argued, is to confer capricious disadvantaged, etc. Blackness is used as the criterion for preference in order to acteristics relevant to the educational process or to performance in the legal pronot that blackness per se is a desirable characteristic but that it is a proxy for charcharacteristics. The rationale for preferential admissions of blacks to law school is tional, because it is based on the use of race as a proxy for underlying personal corollary of the suggested principle is that reverse discrimination is unconstitureally a standard pealing characteristics of a simple rule (see §20.3 supra), compared with a rule a proxy for underlying personal characteristics. This principle has the many ap-Amendment and other antidiscrimination measures is precisely the use of race as An alternative to balancing is to argue that what is forbidden by the Fourteenth -characteristics such as a background of deprivation, empathy for the -merely forbidding unreasonable discrimination. poor blacks has imposed capricious But a possible

will therefore be assumed to be of the average quality of black workers in the line workers will benefit at the expense of above-average ones of game theory, there will be a pooling equilibrium in which below-average black line will find it difficult to separate themselves from the affirmative-action hires and black workers in a particular line of work who are as good as white workers in that extent that employers find it costly to assess the quality of an individual worker, bution of income among blacks, just as discrimination against blacks does. To the A subtler point is that reverse discrimination brings about a capricious redistrian average dragged down by the affirmative-action hires. In the language

tion. Each is, as it were, a probabilistic victim of the practice whites, therefore, will believe that they may have been hurt by reverse discriminathe employer did not discriminate. The two may not know who they are; all three race, we know that two of the three whites would not have gotten the job even if Even if all the whites are better than the black, who was hired solely because of his four people apply for a job. Three are white and one is black, and the black is hired crimination. The probability, however, will often be much less than one. Suppose some probability that he has lost this valuable opportunity because of reverse disreverse discrimination, or isn't hired by an employer known to practice it, there is Every time a white male fails to gain admission to a college that is known to practice Information costs also help explain why reverse discrimination is so unpopular

word "efficient" were substituted? harmed by direct discrimination. Would your answer be different if for "fair" the number of persons actually harmed by it is no greater than the number of persons Evaluate this argument: reverse discrimination is a fair policy so long as the

## Suggested Readings

- Gary S. Becker, The Economics of Discrimination (2d ed. 1971).
   John J. Donohue III, Is Title VII Efficient?, 134 U. Pa. L. Rev. 1411 (1986).

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> nation Litigation, 43 Stan. L. Rev. 983 (1991). & Peter Siegelman, The Changing Nature of Employment Discrimi-

Law & Econ. 345 (2001). 4. Amy Farmer & Dek Terrell, Crime Versus Justice: Is There a Trade-off?, 44 J.

Rev. 659 (1972). 5. Edmund S. Phelps, The Statistical Theory of Racism and Sexism, 62 Am. Econ.

and Society 189 (1992). Tomas Philipson, Desegregation and Social Monopoly Pricing, 4 Rationality

Rev. 513 (1987). 7. Richard A. Posner, The Efficiency and the Efficacy of Title VII, 136 U. Pa. L

8. Thomas Sowell, Civil Rights: Rhetoric or Reality? (1984)

9. Discrimination in Labor Markets (Orley Ashenfelter & Albert Rees eds. 1973).

different from the crop damage caused by the interaction of railroading and farmeconomic terms, are the costs of interracial associations, given prejudice, any Is it an economic principle? Can one argue that discrimination is inefficient? In 1. This chapter has suggested a neutral principle for forbidding discrimination.

lost that the blacks should be grateful that they were willing to sell them such desirable similar property, as a result of discrimination against blacks. The developers reply property. What light can economic analysis shed on the issues in such a litigation? default because they were forced to pay higher prices than white purchasers of faulted on the contracts. They claim that they should not be held liable for the Would the welfare of blacks as a whole be increased or reduced if the developers 2. Suppose a number of blacks bought homes on land contracts and later de-

3. Can it be argued that racially restrictive covenants might increase efficiency?

policy be defended as enhancing efficiency? fore to impose higher admission requirements on blacks than on whites. Could this professional earnings than whites because of racial discrimination decided there-4. Suppose that a law school that found that its black graduates had lower lifetime

premium rates on the basis of the race of the insured. locative and distributive effects of rules forbidding life insurance companies to vary Black males have a shorter life expectancy than white males. Discuss the al-

most inefficient discrimination, which the least inefficient? any whites affected by it are hired. Which combination of attributes produces the whether the policy of granting superseniority to blacks is adopted before or after whether the employer is public or private, whether there is or is not a union, and fewer blacks than whites will be laid off. Consider whether it makes a difference than his white employees, so that when and if economic conditions require layoffs he hires without discrimination but he gives his black employees greater seniority for black employees and hires only blacks until the quota is reached; in the other 6. Compare two forms of reverse discrimination: In one the employer sets a quota

to do so may look for a proxy characteristic possessed by more black than whites Employers who wish to discriminate against blacks but are forbidden by law

309 (1991). Laws Under Imperfect Information: Affirmative Action and Alternatives, 106 QJ.E. black employees? See Shelly J. Lundberg, The Enforcement of Equal Opportunity about being forbidden to use the proxy or required to have a specified fraction of of educational attainment. If you were an employer, would you be more concerned and use that as the basis for personnel decisions. The proxy might be some level

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