Contents

Preface vii

One

Sports and Business I

Two

Organizing Competition 27

Three

Sports and Antitrust 59

Four

Sporting Incentives 92

Five

Sports and Broadcasting 125

vi CONTENTS

Six

Sports and the Public Purse 155

Epilogue 180

A Beginner's Guide to the Sports Economics Literature 185

Acknowledgments 197

Index 199

One

SPORTS AND BUSINESS

On February 27, 1874, a game of baseball was played at Lord's Cricket Ground in London, between teams led by two men who shaped the destiny of sports across the globe. On one side was a young Al Spalding, founder of the sporting goods company and a man who helped create modern professional baseball. On the other was Charles Alcock, secretary of the prestigious Surrey Cricket Club and of the recently formed Football Association.

Spalding had been sent to London by his team manager to see whether it would be possible to organize a tour of Great Britain to exhibit the brash new American game of baseball. Spalding was to play a prominent role in the creation of the National League two years later, and to steer the professional game through its early years. By the time he wrote *America's National Game* in 1911 it was not only that, but also a significant business enterprise. Alcock, who acted as the London agent for Spalding's 1874 tour and the more famous world tour of 1888–89, instigated international competition in both cricket and soccer and created the first important competition in soccer, the Football Association (FA) Cup. Perhaps even more importantly, he ensured that there was no parting of the ways between amateur and professionals in soccer.

The split between amateur and professional happened early in baseball. The rules of baseball were first written down by Alexander Cartwright of the Knickerbocker

2 CHAPTER ONE

Club of New York in 1845. Their game was one for gentlemen amateurs, a sociable excuse for an evening's eating and drinking. As the game became popular, enthusiastic crowds came to watch the amateurs play; commercially minded players saw an opportunity to sell tickets, and once the game was an entertainment, teams saw that they could bring in even more money by fielding the best players. Pretty soon there was a market for baseball talent and the modern business of baseball was born. In 1871, however, the amateurs declared that they wanted nothing to do with commercialism, and baseball divided into amateur and professional camps. Ever since, the professional game has shown almost no interest in the development of the sport at amateur and grassroots levels. Men like Spalding caught the spirit of the age, and the business of baseball flourished, while the amateur game mostly languished and is today preserved largely through the support of schools and colleges.

Although they had a good rapport, Spalding and Alcock were quite different sorts of men. Alcock was nothing if not a good sport and was the pitcher in his first (and possibly last) game of baseball. Alcock's team won 17–5 after only six innings, giving him a lifetime winning percentage of 1.000 with an earned run average of 7.50. Unlike Spalding, who was a great player in his time, Alcock made up for a lack of athletic talent with his enthusiasm for sport and his skills as an administrator. In the snobbish and class-divided world of Victorian Britain, he didn't quite fit in. His family was wealthy but recently had risen from humble origins, while he showed little interest in or aptitude for the family shipping business. The aristocrats who played cricket were happy for him to run the business side of the game, but he was not quite one of them. The businessmen

who organized soccer teams were more like Spalding in outlook, and Alcock's family money created a distance between him and the ordinary players of the game.

In 1885 a crisis almost identical to that of baseball's threatened to split the amateur and professional game of association football (that is, soccer). Commercially oriented teams wanted to pay players so they could win championships, but the gentlemen and aristocrats wanted nothing to do with pay for play. Alcock was appointed by the Football Association to find a solution, and he put together a compromise that left both amateurs and professionals thinking they had won, while both agreed to accept the jurisdiction of the FA. The global governance of soccer today, whereby the revenues from professional competition subsidize the development of the game at the amateur level, is a direct consequence of this compromise.

Sporting competition seems to be a universal characteristic of human societies. Play, as a form of preparation for "real life," is in fact known to many more species than merely human beings, and is clearly a valuable step in the development of adolescents. A predisposition to enjoy play is advantageous because it promotes a more rapid development to maturity, and this advantage no doubt explains its prevalence in the animal world. But play is for children, play is informal, play is unstructured, play is only for fun. Adults show how seriously play is to be treated when they organize it into "sport." The meaning of the word *sport* is much debated, but one thing is obvious: the meaning of sport to different peoples in different times depends on the purpose that sport serves.

Sports, in a sense that we readily recognize today, were played in all the great ancient civilizations—Sumerians, Egyptians, Chinese, and Incas all had their sports,

4 CHAPTER ONE

including wrestling, running, chariot races, boat races, and ball games. The rules of these games are not well understood today, but their social functions can still be grasped from art and ancient texts. The ancient sports had two purposes that stand out—one is military and the other is religious. Most sports prepared young men for war, and therefore early sports were reserved almost exclusively for men. Sporting competition helped establish social standing, without resort to deadly conflict. Those who were stronger displayed their supremacy over the weaker, and hence their fitness for leadership. In ancient legends the heroes often prove themselves in sporting contexts. In Homer's *Iliad*, games are held at the funeral of Patroclus, and the principal leaders of the Greek army hold a chariot race, with a slave woman as first prize. Such examples draw a stark picture of the purpose of sports in ancient society.

Perhaps more difficult to understand for the modern mind is their religious function. However, if we see ancient sports as a way to establish social standing and responsibilities, we see why these events required the sanction of the religious caste. Sport symbolized war, and even if a sporting contest was only a dress rehearsal, it was useful to rehearse a victory. "With God on our side" is no doubt the most effective battle cry in history, and therefore it makes sense to involve the gods in the preparation of warriors. This is nowhere clearer than in the Inca ball game, which bears similarities to both basketball and soccer. According to descriptions left by Spanish conquistadors, the winners had the right to ask for any possession belonging to the spectators, while the losers were sacrificed to the gods.

The most enduring tradition of the ancient sports is the Olympic Games, founded by the Greeks in 776 BCE.

The ancient Olympics involved 200-meter and 400-meter sprints, the pentathlon, long jump, discus and javelin throwing, forms of athletic competition that have more immediacy for us than any other ancient sports. Ancient Greece was a patchwork of independent city-states and overseas colonies, frequently at war with each other. Each city would organize their own games, but festivals such as the Olympics were "Panhellenic"—open to all Greeks. Games were held in honor of specific gods (the Olympics for Zeus, the Pythian Games for Apollo, the Isthmian Games for Poseidon), and the sanctity of the Olympics was indicated by the requirement that all military engagements cease during the games so that soldiers could attend. Here also, the games played a role in identifying military prowess, but the records of individual achievement and the stories associated with athletes give the games a modern feel. Great athletes came to be seen on a par with the heroes of myth. At first songs were written in their honor, soon statues were erected, and before long came the ticker-tape parade. Exaenetus of Agrigentum, winner of the Olympic footrace in 412 BCE, was driven through the streets of the city in a four-horse chariot followed by the city's three hundred most prominent citizens.

Twenty-five hundred years later, Greek sporting excesses have a thoroughly modern ring. Professional athletes traveled the circuit in pursuit of prizes paid for by the city they would represent (forget laurel wreaths, money and payments in kind were the norm), cities would bribe top athletes to switch allegiance, and athletes would bribe their rivals to lose (the route into the Olympic stadium was lined with statues paid for by athletes found guilty of cheating). Professional athletes became a race

6 CHAPTER ONE

apart from the ordinary citizen who would only watch the games. There are stories of sexual excesses involving athletes in their postvictory celebrations. However, the identification of the success of the athlete with the status and well-being of the city is the most strikingly modern trait.

Roman games borrowed from the Greeks and other conquered nations, but also embodied "Roman virtues." The Romans developed spectator sport as a leisure activity to a degree that is breathtakingly modern—the Roman Coliseum, built in AD 72, could hold over fifty thousand spectators. The spectacles staged at the Coliseum involving fighting of one sort or another—gladiatorial contests, mock battles, and animal hunts. Strip away the fact that some of the contestants died, and you have a show that has much in common with professional wrestling today. Religious connections ceased to play a significant role, and the fights no longer had much to do with preparing citizens for a military career.

Gladiatorial contests were typically paid for by the wealthier citizens, and not least the emperor himself, as a way of buying public support. They were hugely expensive events and highly organized. Gladiators, as slaves, were traded in the market at prices that resemble those of a top baseball or soccer star today, and inscriptions survive bemoaning the inflation in prices for the top performers. Roman chariot racing also had a modern flavor; races in the Circus Maximus involved competition between four professional stables, each team sporting its own colors and attracting support from among all classes of society, from the emperor down. The drivers were the unquestioned superstars of the age, paid huge sums of money, frequently acting as if they were above the law, and mourned as heroes when they died. In one case, a

distraught fan actually threw himself on the funeral pyre of a dead driver. In the later empire retired drivers sometimes pursued successful political careers.

Modernity in sport, it has been argued, consists of several elements—secularism, equality, bureaucratization, specialization, rationalization, quantification, and the obsession with records. But when we examine the ancient Roman chariot races, all of these elements seem present. And if this is true of an ancient civilization for which we have significant documentary records, who is to say that similar structures did not exist in ancient China or Mesoamerica, where the records are much sparser?

The Romans, of course, did not have stopwatches. A gulf separates the ancient world from our own. Almost all of the sports that we would call modern have been formalized over the last 250 years—soccer, football, baseball, golf, tennis, basketball, cricket, hockey, and modern track and field. Moreover, the formalization of these sports occurred almost entirely in one of two countries—Great Britain and the United States. The rules of the modern game of soccer derive from the rules of the Football Association (FA) created by eleven football (soccer) clubs in London in 1863, while the rules of baseball derive from the rules of the Knickerbocker Club of New York, written by Alexander Cartwright in 1845. Lawn tennis was invented and patented in England by Major Walter Wingfield in 1874, and basketball was invented in Springfield, Massachusetts, by James Naismith in 1801. The British in particular seemed to have been obsessed with the writing of rules and the creation of associations. For example, while both archery and boxing have been practiced since time immemorial throughout the world, the oldest known rules and associations for these sports came from Britain

8 CHAPTER ONE

(the rules of boxing were written and published in London in 1743, and the Royal Toxophilite Society for the promotion of archery was founded in 1790, also in London).

Competition today is dominated by a select group of the sports that were formalized between 1750 and 1900. In particular, the modern obsession with sport focuses primarily on team sports—soccer, football, baseball, basketball, and cricket (beloved of one billion Indians). These sports, combined with the individual sports of tennis, golf, motor racing, and cycling, probably account for more than 80 percent of sports journalism around the world. All of these games had their first known rules and associations created in either Britain or the United States. Why should this be? Sociologists have advanced a number of theories, which tend to revolve around either industrialization or imperialism.

The industrialization theory argues that the rationalization of sport through rules and its organization into competitive units reflected the restructuring of Victorian society around industrial production in cities following the Industrial Revolution, which first flowered in Britain at the beginning of the nineteenth century and spread to the United States soon after. According to this view, regimentation of sport followed regimentation of work. The application of time-keeping, written records, mass production, and transportation all brought benefits to the organization of sport as much as it did to trade and commerce.

The imperialist theory argues that British sporting practice spread through the British Empire, on which the sun never set (at least in the nineteenth century). This happened not so much by forcing anyone to play British sports (indeed, the British frequently refused to play sport

with their supposed inferiors) but through imitation. Along with military and economic power, accordingly, came dominance of culture and through influence British sporting practice spread. When the British Empire was supplanted by American economic power in the twentieth century, America's sporting practices also started to spread. The imperialist theory therefore focuses primarily on the means of diffusion rather than the origin of sports; implicitly, had another nation such as France or Germany been the dominant power in this era, it would have been their sporting practices that would have spread, rather than the British and American ones.

Both of these theories miss out on some interesting and important historical facts about the development of sport. They are essentially theories of the nineteenth century, when the most important steps in the development of modern sport may have taken place in the eighteenth century. Four modern sports, golf, cricket, horseracing, and boxing, set up rules and organizational structures in the mid-eighteenth century—before industrialization started, before Britain became the dominant power, before the United States was even born. Moreover, the two theories I've mentioned are silent on the institution that did most to create the revolution in sport, namely, the club.

Clubs are fundamental units of modern sport. The concept of an association or a federation is a modern one precisely because, as far as we know, the ancients did not have clubs in the sense that emerged in Europe in the eighteenth century. Indeed, historians and sociologists in recent years have recognized that one of the most fundamental transformations in Europe that led to the modern world was the development of associative activity—the formation of private clubs, where groups of individuals

10 CHAPTER ONE

met to share pastimes without the interference of the state. In the ancient world, sporting spectacles were controlled entirely by the state, either as public religious festivals or expressions of largesse on the part of rulers (bread and circuses). In medieval Europe, sport meant either hunting or jousting or other forms of militaristic pastimes undertaken by the ruling class—a private affair for the privileged. The state offered little in the way of public entertainment and severely restricted the ability of individuals to congregate. Public assembly without the permission of the ruler or state could mean only one thing: rebellion. Kings and princes licensed certain forms of association, such as the guilds that monopolized trade, but these privileges carried obligations, usually in the form of taxes.

In this respect, English monarchs were like all other European rulers. This changed with Parliament's challenge to the authority of the king, which led to the Civil War of the 1640s and the beheading of King Charles in 1649. In a world where the monarch represented all aspects of the government and the state, this act changed forever the relationship between government and the people. The English republic was short lived, but when the monarchy was restored in 1660 it was under a vastly altered political dispensation. No longer did the government presume the right to regulate every aspect of private citizens' lives. No longer did the government see itself as the instigator of every public act or supervisor of every public affair. In short, the government withdrew from the total regulation of the public sphere, creating a gap into which a new public actor entered, the members' club. Perhaps the first such club in England was the Royal Society, an association of the leading scientists of the day,

SPORTS AND BUSINESS 11

including Isaac Newton, Christopher Wren, and Robert Boyle. As a club, they met regularly to discuss the latest scientific ideas, and while the "Royal" label signaled government support, it did not mean that they required government sanction for anything they chose to do.

Less august clubs soon flourished in the developing coffeehouse societies of London, where traders and lawvers might meet to do business, and journalists might meet to discuss the latest tittle-tattle. Journalism itself was a consequence of the withdrawal of the state, the abolition of censorship in 1695 creating an essentially free press. Freedom of the press went hand in hand with formation of clubs, since people needed to know where to find like-minded individuals with whom they could associate. In the early years of the eighteenth century there was an astonishing explosion of clubs in England and Scotland, catering to every kind of pursuit, from science to the arts, to innocent pleasures such as music and the study of history, to serious moral reform and religious revival, and more profanely, to eating, drinking, and most of the remaining deadly sins. None of these activities were new, but their organization within the framework of a club certainly was.

Thus clubs also emerged for the pursuit of pastimes such as horseracing, cricket, and golf. Such activities had been around for hundreds of years, but in the early eighteenth century clubs were starting to be organized to pursue these sports on a regular basis. Like other clubs, sporting clubs were established as much for the opportunity to mix socially with like-minded people as to play the game itself—a function that golf, probably more than any other sport, fulfills even today. The clubhouse after a round of golf has always been the perfect place to meet friends and

12 CHAPTER ONE

do business. The game itself, as a kind of duel between two players, might easily be seen as an evolution from medieval contests of strength and skill such as jousting. The prototypical team game was cricket.

Cricket, a bat-and-ball game involving two teams of eleven players, evolved at the beginning of the eighteenth century out of a village sport commonly played in the countryside around London. It became a tradition for the local gentry to participate, playing alongside their tenants and servants. Although social conservatives lamented the breakdown of class distinctions, there was typically a strict demarcation of the permitted roles of the players, and the yeoman farmer had to take care to keep his place. Yeomen "bowled"—that is, undertook the exhausting task of hurling the ball at the batsmen; gentlemen batted. As the game became fashionable among the dukes and earls of the royal court, it also became a vehicle for gambling—by the 1740s vast sums were being wagered on the outcome of a single game. Cricket became a small industry, with fields in London attracting large crowds to watch the nobility play, as well as drink beer and eat. The first club whose records survive, the Hambledon Club of Hampshire, kept a detailed history of games, wagers, and costs of food and drink consumed after the game. The Hambledon Club was founded around 1750 but was mainly active during the 1770s and 1780s, and was the arbiter of rules whenever disputes arose between teams. But Lord's Cricket Club in London (founded 1787), closer to noble patronage, soon displaced Hambledon, and from the 1790s was the ultimate authority on the rules of cricket. This step is crucial in the formation of modern sports the idea that the exponents of a sport can establish their own government, independent of the state, functioning as

a mini-state in its own right, with its own assembly, laws, executive powers, procedures for the settlement of disputes, and the power to tax and impose penalties. In cricket, this function was fulfilled by the Marylebone Cricket Club based at Lord's; in golf, it was the Royal and Ancient Golf Club (1754) in Edinburgh; in horseracing, it was the aristocratic Jockey Club (1752). To be sure, in their early days these organizations exercised only limited powers, but they formed the basis of organizations such as the International Olympic Committee (IOC) and the Fédération Internationale de Football Association (FIFA), which wield enormous power and prestige in the world today.

In English law, clubs and associations have no particular status. Anyone can form a club, for any legal purpose, without needing to obey any special rules. Unlike limited corporations, the law does not recognize a club as a legal person, and a member of a club that owes debts will soon discover that a club liability is in fact a personal liability. The absence of any legal status reflects the independence of such organizations from the control of the state. The fact that English law never interfered in the formation of associations by private citizens indicates how much freedom was left to individual initiative. By the end of the eighteenth century visitors to England became quite bored with the tendency of the English to proclaim their liberties and to declare that other nations lived in servitude. Contemporary Germans and Frenchmen often found this national pride quite puzzling, because they did not see what the English were free to do that they were not. But freedom of association did mean something. It was certainly not permitted elsewhere in Europe. In France any association required a license from the king, while in Germany and Austria absolutist rulers tended to interfere in

14 CHAPTER ONE

every aspect of private life. In revolutionary America, by contrast, the colonists sought independence in order to preserve their English liberties, not least the freedom of association guaranteed by the First Amendment.

The development of modern sports is a curious byproduct of these politics. In nineteenth-century England there was an explosion of sporting organizations. Private schools such as Eton, Rugby, and Harrow played an important role, mostly through the initiative of the boys themselves, who not only played the established game of cricket in the summer, but led the development of football games. Having played these games at school and university, they formed clubs in the towns and cities and were soon being emulated by enthusiasts from all levels of society—there was nothing to stop workingmen from forming a cricket or football club. Similarly in the United States, private associations, notably the Knickerbocker Club of New York, led the formation of modern baseball, while university students from Harvard, Princeton, and Yale created American football and a social worker from the YMCA created basketball. The fountainhead of this creativity was the plethora of clubs created by Americans, largely in pursuit of their leisure.

France and Germany, by contrast, made only limited contributions to the development of modern sport. In France, the absolutism of the monarch was followed by the Napoleonic legal code, which included a law that no private association of more than twenty members could be formed without formal permission from the state. The purpose of this law was to suppress the potential for revolutionary agitation—the effect was to suppress initiative. Even for a sport such as cycling, in which the French produced more innovations and showed more interest than

almost any other, the first clubs were created in England. By the latter half of the nineteenth century clubs such as the Racing Club and Stade Française finally established themselves, but by this time the British and Americans had already produced a menagerie of sporting associations. In Baron Pierre de Coubertin, the man who revived the Olympic Games, France produced one of the greatest administrators in the history of sport. But throughout his career he looked primarily to English models and advocated English sporting ideals. When the law prohibiting private associations was finally repealed in 1901, there was an explosion of sporting activity in France, but apart from cycling the sports they adopted were largely those created in England, notably rugby football and association football (soccer).

The evolution of modern sports in Germany is also strikingly influenced by politics. The father of modern sport in Germany was Friedrich Ludwig Jahn, a German nationalist who witnessed the defeat of the Prussian army by Napoleon at the battle of Jena in 1806 and attributed it to the lack of fitness of the Germans. To rectify this weakness he founded the Turnen movement, a gymnastic association that spawned clubs all over the German states. These clubs associated gymnastic fitness with preparation for war and the unification of Germany into a single state. Jahn introduced new gymnastic exercises such as the parallel bars and horse, but his intentions were as much political as sporting. Following the defeat of Napoleon, the Turnen movement was suppressed by the Austrian chancellor Metternich, who feared that it might challenge the supremacy of the Austrian emperor. With no freedom of association, Germans had no right to form clubs of any kind. In 1848 a wave of revolutionary activity spread

16 CHAPTER ONE

across Europe, and in Germany a national convention was established to create a liberal political regime. The aged Jahn was feted as progenitor of the revolutionary movement, and his clubs were revived all over the German lands. The revolution, however, failed, and many of the Turnen movement activists went into exile to the United States. In the latter half of the nineteenth century Turnen clubs were established all across America, and Abraham Lincoln's bodyguard was made up of German gymnasts. The Turnen movement also attracted some interest in France, and gymnastics was largely promoted by the state as a means for ensuring military readiness. Such motives differed significantly from those of an anglophile such as de Coubertin.

Sporting clubs finally achieved political legitimacy in the 1860s as Germany moved toward unification, but they always retained their strong political flavor. There developed a socialist sporting movement aimed at creating political consciousness through sport, while the state attempted to suppress such activities. During the Nazi period all sporting activities were absorbed into the Nazi Party itself—for the purposes of molding the master race. In the postwar era sporting clubs developed into a kind of social service, funded by the state and provided for all citizens, offering the possibility for participation in all sports. Every community in Germany has its state-funded Turnverein, and these associations are the most important providers of sports for children. Similarly in France the concern of the state to ensure that its adult males were ready for military action has evolved into state provision of sporting facilities for all throughout the country.

By now it should be apparent that the development of modern sports went hand in hand with social and political

ideals and objectives. For the English, the sports whose rules they laid down were deemed to represent above all the nature of the English character. In 1851, the Reverend James Pycroft, writing the first history of the game, declared, "The game of Cricket, philosophically considered, is a standing panegyric on the English character: none but an orderly and sensible race would so amuse themselves." This fact, along with the tedium that most foreigners associate with the game, helps to explain why it did not spread to most countries. While cricket clubs were established across Europe in the nineteenth century, and while it was the most popular game in the United States until the end of the 1850s (the first ever international cricket match was played between the United States and Canada in 1840), most non-English people balked at playing a game that was so identified with being British. Except, of course, for the colonies of the British Empire. Here cricket thrived, either because colonists aspired to prove their ties to the mother country, or because indigenous peoples wanted to prove themselves against their colonial masters. To this day cricket thrives in the former empire—Australia, India, Pakistan, South Africa, Sri Lanka, New Zealand, and islands of the Caribbean that were under British rule play and watch the game enthusiastically.

Baseball also experienced mixed fortunes in its attempts to spread itself around the globe. We have already met Al Spalding, one of the first professional baseball players, later manager and general sports impresario. To spread the game, he undertook two international tours, one to Britain in 1874 and a celebrated tour around the globe in 1888. Another global tour was organized in 1911. Spalding wanted to persuade the British to take up the game,

18 CHAPTER ONE

but they were never likely to forsake cricket. He had a little success in Australia, none in Europe, but he ignored the biggest adopter of the game abroad. Japan looked abroad to acquire modern skills following the forced opening of the country by Commodore Perry. Shipbuilding was copied from the British, the army from the Germans, the education system from the French, and physical education from the Americans. Baseball was introduced by Horace Wilson, a missionary working at the University of Tokyo, during the 1870s and became firmly established as a national sport when a Japanese college team defeated the Yokohama Athletic Club, made up of expatriate Americans, in 1896. Baseball also spread into those parts of the Caribbean that were under American influence, most notably Cuba, where the game was played from the 1860s onwards.

The sport that has been most successful at spreading around the world is soccer. It is more adaptable than most, playable with almost no equipment and in almost any weather, in contrast to cricket and baseball, which require both equipment and dry conditions. Soccer also benefited from being seen as not too closely tied to the country from which it originated. While the foundation of the Football Association in London in 1863 established the rules by which the game is played more or less unchanged to the present day, most cultures have a tradition of kicking balls, and there are many claims of priority (the Chinese, for instance, can identify their own version of football played more than two thousand years ago, while the Italians rechristened the game calcio after the Florentine ball game played in the sixteenth century). During the late nineteenth century, when Britain dominated international trade and commerce, and British citizens were

present in all corners of the globe, doing business and playing their sports in their leisure time, local bystanders quickly took up soccer as a game that they could play in their own way and adapt to their own style. Often children of the European elites who had been educated in England took back a soccer ball to their own country and started a club (such was the case, for instance, in Switzerland and Portugal). In other countries local players took over clubs founded by the English (these clubs often retain their original English names, for example, the Grasshoppers of Zurich, AC Milan, and Athletic de Bilbao-rather than the Spanish Atlético). In South America, which had very close commercial ties with Britain, soccer rapidly spread among the elites of Argentina, Uruguay, and Brazil. Moreover, once the game became established, English teams were regularly invited to tour-not only in Europe but also to Buenos Aires and Rio de Janeiro. Again, the names of South American teams such as the Corinthians and Newell's Old Boys betray their British influence.

Notwithstanding these influences, each country developed its own style of play and in this way made the game their own, perhaps most gloriously demonstrated by the world-beating teams produced by Brazil. The fact that soccer could be molded to local styles and customs gave it a universal appeal that would have been impossible for a sport as English as cricket or as American as baseball. Enough countries played the sport by 1904 for the creation of an international association (FIFA) to organize games and maintain a common set of rules. The British were unenthusiastic about FIFA, and hence much of the early development of the organization took place without British influence, furthering the sense of a truly international game.

20 CHAPTER ONE

If clubs are the basic unit of modern sports, the relationship between competing clubs defines the organizational structure of any sport and its commercial possibilities. Modern sports were not created with business in mind they were invented as a way for men, usually well-to-do men, to socialize. Sporting contests were essentially an excuse for conviviality. However, these contests soon attracted spectators, and once spectators were present, the opportunity to do business arose. In the eighteenth century, commercial opportunities were created by the desire of participants and spectators to gamble on the outcome of a game. As cricket matches started to draw fashionable crowds, opportunities to sell food, drink, and other necessaries also emerged, and before long entrepreneurs went the whole hog and staged games, paid the players, and charged for entry.

Religion, formally or informally, goes hand in hand with sport; for this reason commercialism in sport has always been considered profane, and throughout modern history there have been attempts to suppress the association of sports with commercialism. Early modern sports in Britain and America were created largely as a leisure activity for the upwardly mobile. Having already acquired a fortune, such people tended to frown on commercial activities. They preferred to think they were motivated by the challenge and by the social aspect of sport. Engaging in sport was the ultimate statement about freedom including freedom from commercial constraints—hence the desire to keep money out of sport. This creed reached its apotheosis in Victorian England, where the pursuit of money came to be seen as the ultimate sin. However, similar attitudes were to be found among the members of the Knickerbocker Club in New York. When promoters

started to see an opportunity for making a buck by organizing professional baseball, the gentlemen of the fashionable New York clubs recoiled in horror. Amateurs and professionals went their own ways, and as it turned out professional baseball was a great success.

The progenitor of all modern sports leagues was the National League of baseball created by William Hulbert in 1876. Freed from the interference of the amateur gentlemen, Hulbert created a business model that essentially survives today in the American major leagues. The model relies on cooperation between independent franchises, each of which is granted a local monopoly, an incentive to promote the game in the locality. Franchise owners agree collectively on policies that promote league interests so long as they also promote the franchise's interests—these policies revolve around ways to hold down players' wages and limit competition for the acquisition of new talent. Operating as a closed system, the league forces each team to recognize its dependence on the commercial wellbeing of the other teams. The National League brought credibility to baseball at a time when it was in danger of losing popularity because of gambling, match fixing, and frequent cancellation of games. By creating a stable business enterprise, in which every team owner possessed a significant stake, Hulbert invented a sporting organization that became synonymous with the American way of life and survives today in the form of Major League Baseball. Hulbert's ideas and principles were largely copied by other successful sports leagues such as the National Football League (NFL) and the National Basketball Association (NBA).

Outside of the American major leagues, the business model of sport was designed largely to minimize profit

22 CHAPTER ONE

opportunities and to keep sport free of commercial motives. This is clearly demonstrated in the modern Olympic Games, which until 1980 barred professional athletes from competing. The Olympic ideal, as viewed by Baron de Coubertin, relied on athletes motivated purely by glory. Sport, properly understood, existed on a higher plane than mere commerce. De Coubertin was enormously influenced by what he understood to be the British model of sport. In Britain, the development of modern sports was largely led by aristocrats and the emerging middle class. Membership in a sporting club was a status symbol—much like belonging to a prestigious golf club today-and one way to maintain status was to exclude poorer members of society by requiring membership fees and even by scheduling games at times when working people would not be able to attend. The ultimate symbol of respectability in Victorian Britain was to be a man of leisure and to have no need to work. In cricket this snobbery manifested itself by dividing participants into "gentlemen"—those who played for the love of the game, and "players"—those who required a wage to be able to play. Professionals were needed since gentlemen in general liked only to bat. In soccer, however, the gentlemen amateurs saw no need to mix with professionals at all, and in the original rules of the Football Association only amateurs were allowed to play.

As soccer's popularity spread, however, entrepreneurs saw the chance to make money by hiring the best players and charging spectators to watch, much in the way the professional teams had emerged in baseball. The same conflict between amateurs and professionals arose, but the soccer authorities ended up taking a very different route, thanks to the diplomacy of Charles Alcock. Rather than

going their separate ways, as in baseball, the amateurs agreed to a compromise with the professionals—their right to play the game was recognized as long as the rules of conduct remained under the control of the Football Association (FA), set up in 1863 to promote the game, and in those days dominated by amateurs.

The practical consequence of this compromise was that the soccer world has been governed ever since by national and international committees that legislate every aspect of the game, including the professional game. These governments have the power to tax the professional leagues in order to subsidize the development of the game elsewhere, something that has been an important factor in the spread of soccer. The governing bodies have also requisitioned the employees of the professional clubs on a regular basis to participate in international tournaments such as the World Cup.

But the gentlemen amateurs also imposed regulations on the operation of professional soccer clubs that restricted their capacity to make money. Just as in America, entrepreneurs recognized the opportunity to make money once soccer became popular, but in England the FA imposed rules that prevented owners from paying themselves large dividends out of company profits, and even forbade the directors of soccer clubs from paying themselves a salary. Professional soccer in this way became essentially a "not-for-profit" activity, with all profits being plowed back into the purchase of players to improve the performance of the team. Moreover, with profit virtually excluded as a motive for owning a soccer club, the game attracted wealthy individuals who saw ownership as a way to build their reputation in the local community by investing in the club's success. The virtual absence of the

24 CHAPTER ONE

profit motive had another significant effect, on the rules of competition. The first professional soccer league, the Football League, was founded in 1888, influenced to a significant degree by the precedent of baseball's National League. However, the Football League wanted to embrace as many teams as possible. Instead of limiting membership to a fixed number of franchises, the league developed a system to permit all eligible professional clubs to participate and have a chance to rise to the top: the promotion and relegation system. As the number of teams wanting to participate in the Football League expanded, it created new divisions, and adopted the rule that at the end of each season the worst-performing teams would be sent down a division (relegation) and be replaced by the best-performing teams from below. In this way, every professional team, however lowly, knows that one day it might compete at the highest level, while even the mightiest champion knows that one day it might fall into a lower division. These rules have implications for the commercial operation of clubs.

Through FIFA, the organizational system of English soccer spread to Europe and the rest of the world. Outside of the United States, soccer is almost everywhere organized along the lines originally developed in England. Moreover, these organizational principles have spread to other sports. For example, the system of league organization in European basketball bears a closer resemblance to the soccer model than it does to the structure of basketball in the United States. Even in the United States, commercial motives are restrained to a significant degree in college sports. Varsity sports in the United States can trace their roots back to the games played in British schools

and universities, and the same principles of amateurism have been retained by the National Collegiate Athletic Association (NCAA).

In recent decades the amateur model has come under increasing pressure. The advent of television created huge audiences and immensely valuable broadcast rights across all the major sports. Within the framework of professional for-profit sport, these pressures have been assimilated in ways typical of any business—through adaptation to the needs of the broadcasters and through competition to provide a spectacle that is as attractive as possible to those who pay to watch. Competition has also fueled increasing rewards for those who play at the highest level. For sports influenced significantly by the principles of amateurism, however, the compromises have been uneasy. Only in the 1980s did the Olympic movement start to relax its rules against professionalism. Over the years the Olympics have become a lucrative business, undermining the image of the games as a festival of fellowship and goodwill. The NCAA in the United States has maintained its ban on payment to players while generating billions of dollars in broadcast revenue, leading to conduct on the part of colleges and coaches that often seems unfair and even corrupt. Even in professional sports like soccer, the organizational structures created in the spirit of open competition have come under pressure. In a world where relegation from a top division can cost tens of millions of dollars, the competition to avoid the drop—both legal and illegal threatens to undermine the health of the sport. As new generations of owners and managers enter the field, attracted by the commercial possibilities of popular sports, there is pressure for reform in the direction of a more

26 CHAPTER ONE

commercial outlook. In many cases these pressures have given rise to a heated debate over the "soul" of sport, and its proper place in the modern world.

Modern sports are an essential feature of modern societies. This chapter has outlined how these modern sports emerged out of civil societies characterized by freedom of association. This background gave rise to an organizational model involving the alliance of independent clubs within national and international federations, built largely on amateur, not-for-profit principles. Two important variants have emerged alongside this model. First, in many countries, especially where freedom of association has been limited, the state has taken a leading role in organizing and funding sport, often with specific goals in mind such as military preparedness or entertainment for the masses. Second, a purely commercially oriented form of professional sport, such as Major League Baseball, emerged in the United States and has spread to some other countries. Each of these variants has been influenced by broadcast technologies, to the point where the viability of traditional models is increasingly coming under question.

Index

ABC, 138 Abrams, Roger, 81 AC Milan, xi, xiii–xiv, 19, 50, 148, 150 African Americans, 98 agents, 104-5 Alcock, Charles, 1, 22-23 alcohol, 93, 97-98, 118, 122 All England Lawn Tennis and Croquet Association, 132 Allison, Donnie, xii amateurism, xv, 121, 146, 176; commercialism and, 2-3, 25-26, 94-95; gentlemen and, 2, 21-23, 181-82; National Collegiate Athletic Association (NCAA) and, 25; Olympics and, 172; principles of, 25-26, 94; revenue and, 88, 94-95; split with professionals and, 1-3; tennis and, 94-95; ticket prices and, 88 American Association, 71 American Football League, 72, 138 American League, viii, x, 71,75 America's National Game (Spalding), 1 amortization, 71 Andreff, Wladimir, 189–90

antitrust, 94; Article X and, 138; barriers to entry and, 71-73; broadcasting and, 142-43; cartels and, xiii, 51-56, 60-73; Coase Theorem and, 82-83; collective bargaining and, 83-84; collective selling and, 88-89; competition law and, 66-70; competitive balance defense and, 73-91; deadweight loss and, 65; European Union and, 69; fairness and, 64-65; free agency and, 59; innovation loss and, 65; invariance principle and, 82-83; leagues and, 69-91; monopolies and, 60-73 (see also monopolies); not-for-profit organizations and, 88-89; price fixing and, 62-65, 88; reserve rule and, 73-91; roster limits and, 85-86; Sherman Act and, 66-68, 75, 88, 192; SSNIP test and, 70; statutory exemptions in, 83-84; World Trade Organization and, 69 Apollo, 5 archery, 7-8 Argentina, xii–xiii, 19, 111 Aristotle, 188

Armstrong, M., 194

200 INDEX

Arsenal, 27–28, 50
Arthur Andersen, 157
Association of Tennis Players
(ATP), 95
Athens 2004 Organizing Committee (ATHOC), 160–61
Athens Olympics, 160–67, 170
Athletic De Bilbao, 19
Australia, 17–18, 69, 143, 151, 168, 172, 183
Austria, 13–15

Baade, R., 194 Balfour, Alan, 191 Bambino, viii-x Bannister, Roger, 45, 98-99 Barcelona, xi, 50, 148, 150 Barcelona Olympics, 171 Barros, Carlos, 194 baseball: Alcock and, 1-3; amateur vs. professional, 1-2; beginnings of, 1-2; Black Sox scandal and, 56, 119-20; collective decision-making and, 55-56; commercialism of, 1-3, 20-22; computer statistics and, 109; cultural acceptance and, 29; development of, 1-2, 14, 93; draft system reliability and, 87; drug use and, 122; earned run average (ERA) and, 2; formalization of, 7-8; modernity in, 7; monopolies and, 46-47; optimal

league size and, 33; popularity of, 135; reserve rule and, 46, 73-84, 87; rivalries in, vii-xi; runs batted in (RBI), 106, 108; Spalding and, 1-3, 17-18; spread of, 17-18; statistics and, 109-12; strikes and, 95; television and, 96 Baseball Hall of Fame, ix, 92 basketball, xi; development of, 7, 14; draft system reliability and, 87; formalization of, 7-8; invention of, 7; modernity in, 7; reserve rule and, 84-85; rivalries in, xi; salary caps and, 84-85; snobbery of, 22; team spending and, 78 Bayern Munich, 50, 150 BBC, 143-44 Beane, Billy, 110, 187-88 Bears, xi Beautiful Mind, A (Nasar), xx Beijing Olympics, 160, 171, т82 Being There (film), 113 Belgian Football Association, 90-91 Belgium, 151 Bell, Bert, 138 Benfica, 50 Berra, Yogi, ix Berri, David J., 189, 192 bidders, 32, 59, 68, 100, 107, 155, 159 Big Apple, x

INDEX 201

blackouts, 137-38 Black Sox scandal, 56, 119-20 Blue Ribbon Panel on Baseball Economics, 87 boat races, 4 Boganno, Michael, 192 bookmakers, 48, 85-86, 155 Borg, Bjorn, xii Borland, Jeffery, 191 Borland and Macdonald survey, 48-49 Borussia Dortmund, 150 Bosman, Jean-Marc, 90–91 Boston massacre, ix boxing, 7–9 boycotts, 95 Boyle, Robert, 11 Bradbury, J. C., 189 Brady, Tom, 87 Braves, 173 Brazil, xii-xiii, 19, 111 bribery, 5; International Olympic Committee (IOC) and, 155-58; politics and, 66; salary level and, 121 broadcasting, xvi-xvii, 193-94; advertising and, 130; antitrust and, 142-43; audience globalization by, 125; back pages and, 127; baseball and, 134-36; blackout rule and, 137-38; branded goods and, 140; cable deregulation and, 141-42; cartels and, 144-45; China and, 153; collective

selling and, xii-xiv, 88-89, 133-34, 146-48, 182; commissioners and, 138-39; competition in, 125, 144-45, 151-53; European/U.S. differences in, 145-53; free-toair, 144-45; further effects of, 153; India and, 153; Internet and, 153-54; Japan and, 153; journalism and, 127; licensing and, 143; live coverage and, 144; multimedia, xvi; National Football League and, 125-26, 136-44; NCAA and, 142-43; Olympics and, 151, 160-61; ownership rights and, 130-38; public goods and, 128-30; radio and, 129-30, 143; revenue and, 134-35, 144-45; rights auctions and, 145-46; satellite, 141, 144-45; second tier of competition and, 125; smaller sports and, 140; soccer and, 136, 143-45, 147, 150-51; Sony and, 153, 183; Sports Broadcasting Act and, 139, 146-47; subscriptions and, 144-45; technological advances in, 127-29; telegraph and, 127-28; uncertainty-of-outcome hypothesis and, 128 broadcast rights, 94, 145-46 Brook, Stacey L., 189, 192 Buchanan, J., 186

202 INDEX

Bulls, 84 business. See commercialism

cable deregulation, 141-42 calcio (Italian soccer), 18 Canada, 17, 111, 188 Canal+, 147 Cardinals, xi, 79, 81 Caribbean, 17-18 Carlino, G., 195 cartels, xiii, 193; broadcasting, 144-45; economic issues and, xiii, 51-56, 60-73; leagues as, 69-73; reserve rule and, 73-91; Sherman Act and, 68; U.S. Congress and, 74-75; vertical separation and, 51-56 Cartwright, Alexander, 1-2, 7 Cave, Martin, 193 CBS, ix, 138 Celler Committee, 188 cell phones, xvi Celtics, xi Chadwick, Henry, 127 Champions League, 133, 147-48, 150 Chargers, 86 chariot races, 4, 6-7 charisma, 113 cheating, 94, 193; Black Sox scandal and, 56, 119-20; bribery and, 5, 66, 121, 155-58; drugs and, 92-93, 98, 121-24; escalating franchise

values and, 71; International Olympic Committee (IOC) and, 155-58; manners and, 27-28; match fixing and, 119-21; overpayments and, 71; overstatement of asset amortization and, 71; points shaving and, 120; Salt Lake City Olympics and, 155-58; Sarbanes-Oxley Act and, 156-57; Spygate scandal and, 121-22 Chelsea, 150 chess, 121 Chicago Board of Trade, 73 China, 3; Beijing Olympics and, 160, 171, 182; broadcasting and, 153; rising power of, 182-83; soccer and, 18 circuses, 10 City College of New York, 120 Cleveland Browns, 86 Clough, Brian, 113 clubs, 49-50; broadcasting and, 147-51; collective decision-making and, 54-56; commercialism and, 20, 22; cooperatives and, 51-56; development of, 9-14; English law and, 13-14; European Union and, 147-48; freedom of the press and, 11; gymnastic, 15-16; legitimacy for, 16; necessity of, 9-10; optimal league size and, 33; politics

INDEX 203

and, 9-11; power of, 13; private schools and, 14; professionalism and, 94; promotion and, 56-58; reserve rule and, 73-91; salary levels and, 94-95; sociological analysis of, 9–10; stadium building and, 175-77; television and, 125; vertical separation and, 51-56. See also leagues coaches: broadcasting and, 25; drug use and, 122; motivation by, 112-13; technology and, 137; underperformance and, 117-18; winning and, 28 Coase, Ronald, xix, 185 Coase Theorem, 82-83 coffeehouses, 11 collective bargaining, 83-84 collective decision-making, 54-56 collective selling, xii-xiv, 88-89, 133-34, 146-48, 182 Comiskey, Charles, 119 Commerce Committee, 158–59 commercialism: amateur model and, 2-3, 25-26; antitrust and, 59-91 (see also antitrust); broadcasting and, 146-47 (see also broadcasting); business model of, 21-22; clubs and, 20, 22; competitive balance defense and, 73-91; development of, 20-22; entertainment and, 28; FIFA and, 24;

fraud in, 156-58; merchandising and, 85, 94, 100, 140, 159; monopolies and, 51-56 (see also monopolies); Olympics and, 22, 156-58; optimal league size and, 33; organizers and, 27-58; as profane, 20-21; profit motives and, 33-35; promotion and, 56-58; Sarbanes-Oxley Act and, 156-57; soccer and, 22-24; telephone companies and, 36 commissioners, 33: antitrust and, 80, 87; blackouts and, 138; Blue Ribbon Panel on Baseball Economics and, 87; broadcasting and, 132, 138-39; collective decision-making and, 55-56; competitive balance defense and, 80; revenue and, 132 competition: alternative structures and, 36-43; amateur model and, 25; antitrust and, 59-91 (see also antitrust); balance and, 138, 192; broadcasting and, 125, 144-45, 151-53; cheating and, 27-28, 56 (see also cheating); collective selling and, xii-xiv, 88-89, 133-34, 146-48; contribution to total effort and, 30-31; drugs and, 44, 92-93, 98, 122-24, 180; effort levels

204 INDEX

Great Britain and, 89-90; incompetition (cont.) and, 30-43; formalization of, variance principle and, 82-83; luxury tax and, 87; player per-7-20; game theory and, 186-87; Indian Premier League formance and, 78-79; roster and, 182-83; marginal benelimits and, 85-86; salary caps fits/costs and, 30-31; markets and, 84-85; team spending and, 60-61; military and, 4-5; and, 76-78; television and, mixed-strategy equilibrium 76-77; three core propositions of, 76-77; uncertaintyand, 34-36; monopolies and, of-outcome hypothesis and, 65-66 (see also monopolies); Nash equilibrium and, 31; 76-77 Olympic hosting and, 155–74, Conseco, Jose, 92-93 178-79; organization of, 27consultants, 170 58; playing for pleasure and, consumption, 63, 128, 140, 178 28; probability of winning contest theory, 190-91 and, 30-36; profit motives cooperatives, 51-56 and, 33-35 (see also profits); copyright, 131 randomization and, 34-35; Corinthians, 19 record breaking and, 43-45, cost-benefit analysis, 30-31 98–99; reward structures and, Coubertin, Pierre de, 15-16, 22 30-43; rivalries and, vii-xii, Coulson, N. E., 195 70, 72, 128; social standing Cowboys, 86 and, 4; symmetric contests Cowie, C., 193 Crandall, Robert W., 193 and, 43; technology of, 32-36; cricket, 1-3; broadcasting and, television and, 125-26; uncer-143-44; cheating and, 120; tainty-of-outcome hypothesis and, 47-51, 53; universal clubs and, 11-13; developcharacter of, 3-4; winnerment of, 7-9, 12-13; formaltake-all contest and, 30-36 ization of, 7-9; Indian Premier League and, 153, competition law, 66-70 competitive balance defense: 182-83; modernity in, 7; spread of, 17; tedium of, 17 Coase Theorem and, 82–83; collective bargaining and, Crompton, J., 194 80-84; collective selling and, Cuba, 18 88-89; Europe and, 89-91; Cubs, xi, 81

INDEX 205

Curse of the Bambino, ix–x cycling, 15, 116; drug use and, 122; formalization of, 8; Tour de France and, 42, 145

deadweight loss, 65
Depken, Craig, 187
depression, 93
DiMaggio, Joe, ix
discus, 5
Disney, 141
Dodgers, xi, 80–81
drugs, 44, 180; incentives for, 92–93, 98, 121–24; official testing and, 122; random testing for, 122–23; World Anti–Doping Agency and, 122–23
Dubner, Stephen, 27, 193

East Germany, 122
Ebbers, Bernie, 157
economic issues: amateurism
and, 2-3, 25-26, 94-95; antitrust and, 59-91 (see also
antitrust); cartels and, xiii,
51-56, 60-73; cheating and,
27-28; Coase Theorem and,
82-83; collective selling
and, xii-xiv, 88-89, 133-34,
146-48, 182; competitive balance defense and, 73-91; effort level and, 30-31; equilibrium and, 31, 34-36; highest

bidders and, 32; honeymoon effect and, 174; incentive compatibility constraint and, 114-16; Industrial Revolution and, 8; invariance principle and, 82-83; Keynesianism and, 163-66; law of unintended consequences and, 60-61; marginal benefits/costs and, 30-31; mixed-strategy and, 34-36; monopolies and, 46-47 (see also monopolies); motivation theory and, 112–14; optimal league size and, 33; overpaid players and, 96-109; participation constraint and, 114; private goods and, 128; professionalism and, 92–94; public goods and, 128-30; pure lotteries and, 32; randomization and, 34-35; revenue and, 96-97 (see also revenue): reward structures and, 30-43; rigor and, xviii-xx; Sarbanes-Oxley Act and, 156-57; sporting money illusion and, 170-71; SSNIP test and, 70; statistics and, 106-12; steroid use and, 92-93; supply and demand, 100-2, 105, 119-21; uncertainty-of-outcome hypothesis and, 47-51; vertical separation and, 51-56; wage payment function and, 97;

206 INDEX

economic issues (cont.) winner-take-all contest and, 30-36 economic rent, 105 economies of scale, 62 education, 98-99 efficiency, 63-64 effort levels: aggregation and, 43; alternative structures and, 37-42; compatibility constraint and, 114-16; discrimination and, 32; highest bidders and, 32; increased incentives and, 53-55; increased revenue and, 97-98; number of contestants and, 32-33; PGA formulas and, 53-54; profit motives and, 33-35; record-breaking, 43-45, 98-99; reward structures and, 30-43; second place prize and, 37-39; technology of, 32-36 Egyptians, 3 Ehrenberg, Ronald, 192 English Premier League, 133-34, 175 Enron, 156-58, 169 equilibrium, 195; mixedstrategy, 34-36; Nash, 31; randomization and, 34-35; solidarity (competitive balance) and, 91; strategy and, 34-36; symmetric contests and, 43; winner-take-all contests and, 31

ESPN, 140-41 Eton, 14 Europe, 185-86; competitive balance defense and, 89-91; retain and transfer system and, 89-91; U.S. broadcasting differences and, 145-53 European Champions League, 150 European Commission, 57 European Court of Justice, 91, 146-47, 152-53 European Union, 69, 91, 147-48, 160–61, 170 Everett, Chris, xii Ewing, Patrick, 84 Exaenetus of Agrigentum, 5

fans: broadcasting and, 125-26 (see also broadcasting); clubs and, 9-15, 20, 22; competitive balance defense and, 73-91; demand for winning by, 180–81; organizers and, 43– 44 (see also organizers); overpaid players and, 96-109; promotion and, 56-58; subscription television and, 144-45; team loyalty and, 45-46; television base of, 96, 125-26; ticket prices and, xvi, 52-53, 62-65, 88, 135; time spent on sports and, 126, 140; transportation and, 127;

INDEX 207

uncertainty-of-outcome hypothesis and, 47-51 Federal League, 71, 75 Federation International de Football Association (FIFA), 13, 19, 24, 152-53, 159 Federer, Roger, xii, 100 Fever Pitch (film), 45-46 Finland, 170 firefighters, 99 Fizel, J., 186 Flood, Curt, 79 Flynn, Michael, 51-52, 191 football (American): collective selling and, 88-89; development of, 14; formalization of, 7-8; increased attendance and, 135; modernity in, 7; overpaid players and, 96-105; ownership rights and, 137-38; reserve rule and, 83-90; rivalries in, xi; salary caps and, 85; shirking and, 118; Spygate scandal and, 121-22; Super Bowl and, 85-87, 128, 139; television and, 125-26, 136-44 football (association). See soccer Football Association: Alcock and, 1, 3; cheating and, 27-28; commercialism and, 22-23; rules of, 7, 18, 22 Football League, 24 footraces, 5, 30, 36-39 Ford, Whitey, ix

Forest Hills, 94–95 Formula One racing, xii, 147-48 Forrest, David, 191, 193 Fort, Rodney, 51, 70-71, 186, 188-8o France, 9, 18, 172; broadcasting and, 146-47; clubs and, 13-14; modern sports development and, 13-16; Tour de France and, 42, 145 Frazee, Harry, viii Freakonomics (Levitt and Dubner), 27, 193 free agency, 59; overpaid players and, 96-109; rookies and, 107; Scully model and, 106-10; six-year veterans and, 107 freedom of the press, 11 free-to-air broadcasting, 144-45 Frick, B., 192

gambling, 12, 20–21, 85–86, 118–21, 153 game theory, 186–87 Gehrig, Lou, ix Germany, xii, 9, 18, 50, 172; broadcasting and, 147–51; clubs and, 13–14, 176–77; soccer development in, 93; stadium building in, 176–77; Turnen movement and, 15–16, 181 Getty Oil, 141

208 INDEX

Giants, viii, xi, 86 Gilbert, Richard, 52, 191-92 gladiators, 6-7 golf: broadcasting and, 136; clubs and, 11-13; formalization of, 7–9; modernity in, 7; PGA prizes and, 53-54 government, xvii-xviii; antitrust and, 66 (see also antitrust); clubs and, 9-14; Keynesianism and, 163-65; monopoly power of, 61; Olympic hosting and, 155-74, 178-79; public goods and, 129-30; regulatory reform and, 181; spending on sport and, 172-73; stadium building by, 173-78; television control and, 143-44; underwriting costs and, 159-60 Graf, Steffi, xii Grand Prix, 153 Grasshoppers of Zurich, 19 Great Britain, xi, xv, 172, 183; BBC and, 143-44; Civil War of, 10; clubs and, 9-14; dominant culture of, 9; formalization of sports in, 7-20; imperialist theory and, 8-9; live coverage television and, 143-45; Lord's cricket ground and, 1, 12; private schools and, 14; promotion and, 57; retain and transfer system and, 89-90; sports model of, 22; Statute

of Monopolies and, 66n2; transportation and, 127 Greece, 4–6; cost of hosting Olympics in, 160–67, 170; Keynesianism and, 163–66; tourism and, 167–68 Grier, Kevin, 192 Groothius, P. A., 195 guilds, 10 Guttman, Allen, 190 gymnastics, 15–16, 172, 181

Habermas, Jürgen, 190 Hakes, Jahn K., 193 Hall, Stephen, 191 Hambledon Club, 12 Hamermesh, Daniel S., 193 Harding, Tonya, 159 Harrow, 14 Harvard, 14 health issues, 92-93, 122-24 heart damage, 93 Hill, Damon, xii hockey, 7, 72, 78 El-Hodiri, Mohamed, 186 Hodler, Marc, 155, 157 Hoehn, Thomas, 186, 193 Holt, Richard, 190 Homer, 4 honeymoon effect, 174 horse exercise, 15 horseracing, 9-13 "House That Ruth Built", viii_ix

INDEX 209

Houston Texans, 86 Huizinga, Johan, 189 Hulbert, William, 21, 73 Hunt, Lamar, 138 hunting, 10 Hurricane Katrina, 101–2 hypnotism, 121

Ibrahimo, Muradali, 194 Iliad (Homer), 4 imperialist theory, 8-9 Incas, 3–4 incentives, 192-93; agents and, 104-5; compatibility constraint and, 114-16; drugs and, 92-93, 98, 122-24; education and, 98-99; fairness and, 101-2, 112; free agency and, 103-4; glory and, 117-18; injuries and, 118; match fixing and, 119-21; medals and, 37-38, 44, 116, 122, 153, 160, 172; medical professions and, 99-100; motivation theory and, 112-14; Olympic hosting and, 155-74, 178-79; overpaid players and, 96-109; points shaving and, 120; racial issues and, 118-19; Scully model and, 106-8, 110; supply and demand issues and, 105, 119-21; talent pool and, 98–103; twin careers and, 98–99; underperformance

and, 116-19. See also effort levels; revenue India, 8, 17, 182-83 Indian Premier League, 153, 182-83 Industrial Revolution, 8 injuries, 27, 92, 118, 138 Inter, xiii International Association of Athletics Federations (IAAF), 45 International Olympic Committee (IOC), 13, 133, 152; corruption of, 155-60; light legal action against, 157–58; power of, 173; revenue from, 159-63; Samaranch and, 158–59; underwriting costs and, 159-60 Internazionale, xi, 50 Internet, xi, xvi, 153-54 invariance principle, 82-83 Isthmian Games, 5 Italian Competition Authority, xii-xiii Italy, xi, 168; broadcasting and, 147–48, 150; collective selling and, xii-xiv; Olympics and, 155; soccer and, 18

Jackson, "Shoeless Joe", 119–20 Jahn, Friedrich Ludwig, 15–16 James, Bill, 109, 187 Japan, xii, 18, 27, 69, 153

210 INDEX

javelin, 5
Jeanrenaud, Claude, 192
Jockey Club, 13
Johnson, B. K., 195
Johnson, Dave, 157
Jones, J. C. H., 188
Jordan, Michael, 84
journalism, 8; back pages and, 127; freedom of the press and, 11; Olympic scandals and, 156; organizers and, 28–29
jousting, 10, 12
Juventus, xiii, 50, 119, 150

Kahn, Lawrence, 187, 192
Kanu, 27–28
Kavestos, G., 195
Kerrigan, Nancy, 159
Késenne, Stefan, 187, 190, 192
Keynes, John Maynard, xx,
163–66
Kirch, 147
Kirsch, George, 190
Knickerbocker Club of New
York, 1–2, 7, 14, 20–21, 181
Knicks, xi
Korea, xii, 155

Lancefield, David, 193 Landis, Kenesaw Mountain, 56 laurel wreaths, 5 law of unintended consequences, 60-61 Lay, Kenneth, 157 leagues: antitrust and, 69-91; barriers to entry and, 71-73; broadcasting and, 150-51 (see also broadcasting); as businesses, 148-49; collective decision-making and, 54-56; collective selling and, xii-xiv, 88-89, 133-34, 146-48, 182; competitive balance defense and, 73-91; cooperatives and, 51-56; escalating franchise values and, 71; fan loyalty and, 45-46; increased incentives and, 53-55 (see also incentives); labor market restrictions and, 102-3; as monopoly cartels, 69-73; organizers and, 45-51 (see also organizers); overpaid players and, 96-109; ownership rights and, 130-38; professionalism and, 94; profits of, 70–71; promotion and, 56– 58; reserve rule and, 46, 73-91; roster limits and, 85-86; salary levels and, 94-95; stadium building and, 175-77; uncertainty-of-outcome hypothesis and, 47-51; vertical separation and, 51-56 league-think, 125-26 Leeds, Michael, 189

INDEX 211

Lega Calcio, xii McCain, John, 158-59 legal issues: Article X and, 138 Macdonald, Robert, 191 McEnroe, John, xii (see also antitrust); collective selling and, 147-48; competi-Madden, R., 195 tion law and, 66-70; competi-Major League Baseball, 21, 26; tive balance defense and, antitrust and, 70-71; collec-73-91; corporate fraud and, tive decision-making and, 156-58; drug use and, 92-93, 55-56; draft system reliability and, 87; optimal league size 98, 122-24; International Olympic Committee (IOC) and, 33; team spending and, fraud and, 156-60; not-for-77-78 profit organizations and, Major League Baseball Players' 88-89; ownership rights and, Association, 132 130–38; property rights and, Malaysia, 153 82, 128, 187; reserve rule and, managers, xiv-xv, 1; charisma 46, 73–91; retain and transfer and, 113; collective decisionsystem and, 89-91; Sarbanesmaking and, 54-56; cooperatives and, 51-56; motivation Oxley Act and, 156-57; Sherman Act and, 66-68, 75, 88, theory and, 112-14; scientific 192; Sports Broadcasting Act management and, 113; vertiand, 139, 146-47; SSNIP test cal separation and, 51-56 and, 70; World Cup and, Manchester United, xi, 50, 150 manners, 27-28 152-53 Manning, Peyton, 87 Levitt, Steven, 27, 118, 193 Lewis, Michael, 188 Mantle, Mickey, ix licensing, 143 Marburger, Daniel, 187 Liljenwall, Hans-Gunnar, 122 marginal cost, 65n1 Lincoln, Abraham, 16 Maris, Roger, ix liquidity trap, 164-65 markets, 185; antitrust and, 59-91; cartels and, xiii, 51-56, liver damage, 93 60-73; competition and, Liverpool, xi, 50 60-61; employee information Lombardi, Vince, 28, 137 long jump, 5 and, 106; innovation loss Lord's (cricket ground), 1, 12 and, 65; Keynesianism and, luxury tax, 87 163-66; law of unintended

212 INDEX

markets (cont.) consequences and, 60-61; monopolies and, 60-73 (see also monopolies); overpaid players and, 96-109; price discrimination and, 63-65; railroads and, 67; restrictions on labor, 102-3; Smith on, 60; SSNIP test and, 70; statistics and, 106-12; stock, 108-9; supply and demand issues, 60-62, 100-2; utopian, 97 Marx, Karl, 97, 140 Marylebone Cricket Club, 13 match fixing, 119-21 Matheson, V., 194 MCI, 156-57 medals, 37-38, 44, 116, 122, 153, 160, 172 media. See broadcasting medical professions, 99-100 merchandising, 85, 94, 100, 140, 159 Messersmith, Andy, 80–81 Metternich, 15 Microsoft, 66-67 military, 9; competition and, 4-5; gymnastics and, 16; Olympic athletes and, 172-73; ruling class and, 10 Modell, Art, 85 monarchs, 10 monopolies, xiii, 180, 192; baseball and, 46-47; broadcasting and, 144-47; competitive

balance defense and, 73-91; cooperatives and, 51-56; cost of breaking up, 62; deadweight loss and, 65; efficiency and, 63-64; European Union and, 69; excessive profits and, 62-63; fairness and, 64-65; government and, 61; high prices and, 62; innovation loss and, 65; leagues as, 69-73; marginal costs and, 65n1; Microsoft and, 66-67; overhead costs and, 65n1; power of, 173–74; price discrimination and, 62-65; private power and, 61-62; railroad, 67; seller competition and, 65-66; Sherman Act and, 66-68, 75, 88, 192; Standard Oil, 67; steel, 67; sugar, 67; supply/demand and, 60-62; tobacco, 67; vertical separation and, 51-56 Moscow Olympics, 172 motivation theory, 112-14 motor racing, xii, 8, 29, 142 movies, 128 Murderers' Row, ix Murdoch, Rupert, 144, 151

Nadal, Rafael, xii Nadeau, S., 188 Naismith, James, 7 Napoleon, 15 Nardinelli, Clark, 188

INDEX 213

NASCAR, xii, 142 Nash, John, xx, 31 Nash equilibrium, 31 National Basketball Association (NBA), 21, 72, 78, 84-85, 87 National Collegiate Athletic Association (NCAA), 25; broadcasting and, 142-43, 149; collective selling and, 88-89; March Madness and, 94, 133; not-for-profit organizations and, 88-89; ownership rights and, 133; revenue generated by, 94 National Football League (NFL), xvi, 21; American Football League and, 138–39; antitrust and, 70, 72; broadcasting and, 125-2, 136-44; collective decision-making and, 56; collective selling and, 148; reserve rule and, 83-84; roster limits and, 85-86; Rozelle and, 138; salary caps and, 85 National Hockey League, 72, National League, viii, 1, 21, 24, 71,74-75 Navratilova, Martina, xii Nazis, 16 NBC, 159 Neale, Walter, xix, 46, 185 Netherlands, xii, 147, 151 Nets, xi

Newell's Old boys, 19
newspapers. See journalism
Newton, Isaac, 11
New Zealand, 17, 168
Nobel Prize, xx
Noll, Roger, 70–71, 188, 191,
194
not-for-profit organizations,
88–89
nurses, 99–100

Oakland Athletics, 110 Oklahoma University, xi, 88, 142 Olympic Aquatic Center, 161 Olympics, xv, 145; amateur model and, 25; Athens, 160-67, 170; Barcelona, 171; Beijing, 160, 171, 182; building structures for, 161-66; commercialism and, 22; de Coubertin and, 15-16, 22; drugs and, 44, 122; founding of, 4-5; hosting of, 155-74, 178-79; Keynesianism and, 163-66; Moscow, 172; motto of, 44; national prestige and, 150, 172-73; professional players and, 172; revenue from, 159; reward structure of, 37; Salt Lake City fraud and, 155-58; scandals in, 155-60; sporting money illusion and, 170-71; subsidies for, 174; Sydney, 172; television coverage of,

214 INDEX

Olympics (cont.) 151, 160-61; tourism and, 167–68; transportation issues and, 162-63, 166; underwriting costs and, 159-60; as winner-take-all contest, 46 Olympic Village, 162 O'Malley, Walter, 80-81 organizers, 191; alternative contest structures and, 39-42; alternative reward structures and, 37–39; attracting spectators and, 44-51; broadcasting and, 130-35, 151-52 (see also broadcasting); cheating and, 27-28; collective decisionmaking and, 54-56; cooperatives and, 51-56; entertainment and, 28; Indian Premier League and, 182-83; International Association of Athletics Federations (IAAF) and, 45; journalism and, 28-29; objectives of, 43-51; Olympic hosting and, 155-64, 178-79; ownership rights and, 130-35; professionalism and, 94; promotion and, 56-58; quality of contest and, 29-36; regulations and, 56-58; reserve rule and, 46; strategy and, 42-43; symmetric contests and, 43; ticket prices and, 52-53; uncertainty-of-outcome hypothesis and, 43-53; vertical

separation and, 51-56; winnertake-all contest and, 30-36 overhead costs, 65n1 owners, ix, xiv-xv; antitrust and, 59-91 (see also antitrust); barriers to entry and, 71-73; as businessmen, 148-49; collective bargaining and, 80-84; collective decision-making and, 54-56; collective selling and, 88-89; compatibility constraint and, 114-16; competitive balance defense and, 73-01; cooperatives and, 51-56; escalating franchise values and, 71; free agency undermining by, 59; increased incentives and, 53-55; invariance principle and, 82-83; motivation theory and, 112-14; optimal league size and, 33; overpayments and, 71; overstatement of asset amortization and, 71; ownership rights, 130-38; profits of, 70-71; property rights and, 82; reserve rule and, 73-91; roster limits and, 85-86; stadium expense and, 64; statistics and, 109-12; vertical separation and, 51-56

Packers, xi Pakistan, 17

INDEX 215

Panhellenic games, 5 parallel bars, 15 Parsons, Christopher A., 193 participation constraint, 114 Patriots, 85-86, 121-22 Patroclus, 4 pennants, viii-ix pentathlon, 5 perfect price discrimination, 64-65 performance, 187-88; compatibility constraint and, 114–16; overpaid players and, 96-109; statistics and, 106-12; strategy and, 116-17; underperformance and, 116-19. See also incentives Perry, Matthew C., 18 Phillies, 79 Plato, 188 players: agents for, 104-5; alcohol use and, 93, 97-98, 118, 122; alternative structures and, 36-43; amateur vs. professional, 1-3, 20-26; antitrust and, 73-91 (see also antitrust); boycotts and, 95; clubs and, 9-15, 20, 22 (see also clubs); collective bargaining and, 80-84; collective decision-making and, 54-56; compatibility constraint and, 114–16; competitive balance defense and, 73-91; drugs and, 44, 92-93, 98, 121-24,

180; economic rent and, 105; effort levels and, 30-43 (see also effort levels); free agency and, 59, 96-109; glory and, 117-18; improved training methods and, 97-98; incentives and, xvi-xvii (see also incentives); increasing militancy of, 95–96, 104–5; invariance principle and, 82-83; military, 172-73; mixed-strategy equilibrium and, 34-36; motivation theory and, 112-14; number of contestants and, 32-33; Olympics and, 162 (see also Olympics); overpaid, 96-109; ownership rights and, 131-32; property rights and, 82; racial issues and, 110-11, 118-19, 188, 193; record breaking and, 43–45, 98–99; reserve rule and, 73-91; retain and transfer system and, 89-91; revenue and, xvii, 94-97 (see also revenue); reward structures and, 30–43; roster limits and, 85–86; salary caps and, 84-85; Scully model and, 106-10; sexual excesses of, 6; six-year veterans and, 107; statistics and, 109-12; strikes and, 95; supply and demand issues and, 105; talent pool and, 98–103; television and, 125-26 (see also television);

216 INDEX

players (cont.) private schools, 14 transportation of, 127, 162-Professional Footballers 63; uncertainty-of-outcome Association, 95 hypothesis and, 47-51; un-Professional Golfers' Associaderperformance and, 116-19; tion (PGA), 53-54 unions and, 46, 59, 79–85, 95; professionalism, 181; defined, winner-take-all contests and, 94; Olympics and, 172; salary 30-36 levels and, 94-95; steroid use Players Association, 59 and, 92-93 Players League, 71 profits: antitrust and, 59-91; blackout rule and, 137-38; points shaving, 120 Polaroid, 137 broadcasting and, 148-49 (see politics, 194; chariot drivers also broadcasting); collective and, 7; clubs and, 9-16; colselling and, xii-xiv, 88-89, lective decision-making and, 133-34, 146-48, 182; compe-54-55; competitive balance tition and, 33-35; competitive defense and, 73-91; formalbalance defense and, 73-91; ization of sports and, 9-16; cooperatives and, 51-56; freedom of the press and, 11; deadweight loss and, 65; effi-Germany and, 15–16; Olymciency and, 63-64; effort levpic hosting and, 155-74, 178els and, 33-35; escalating franchise values and, 71; ex-79; public assembly and, 10; sport rivalries and, xi-xii; cessive, 62-63; luxury tax and, 87; monopolies and, 60-73 Sports Broadcasting Act and, 139; unions and, 79-80. See (see also monopolies); not-forprofit organizations and, 88also government Porter, Philip, 191 89; owners and, 70–71; price Porto, 50 discrimination and, 62-65; reserve rule and, 46, 73-91; sta-Portugal, 19, 50 dium expense and, 64; vertical Poseidon, 5 separation and, 51-56. See also Price, Joseph, 193 commercialism; revenue price discrimination, 62-65 Princeton, 14 promotion, 8; collective selling Prinz, J., 192 and, 88-89; federations and, private goods, 128 146; Olympics and, 168;

INDEX 217

relegation and, 24, 56-58, 89, 109, 176. See also organizers property rights, 5, 82, 128 Prost, Alain, xii Prussia, 15 psychologists, 28-29 public assembly, 10 Public Company Accounting Oversight Board, 157 public goods, 128-30 public spending. See government pure lotteries, 32 Pycroft, James, 17 Pythian Games, 5

Quirk, James, 51, 70–71, 186, 188

racial issues, 110–11, 118–19, 188, 193
Racing Club, 15
radio, xvi, 28, 129–30, 143
Raiders, 86
railroads, 67, 127, 162
Rams, 138
random drug testing, 122–23
randomization, 34–35
Rasmussen, Bill, 140–41
Real Madrid, xi, 50, 100, 148, 150
record breaking, 43–45, 98–99

Red Sox, vii, 81; Curse of the Bambino and, ix-x; Frazee and, viii; Fever Pitch and, 45-46; Ruth and, viii-x referees, 119, 193 reform, 180-83 regulations: antitrust and, 59-91; cable deregulation and, 141-42; clubs and, 9-14; collective selling and, xii-xiv, 88-89, 133-34, 146-48, 182; drugs and, 44, 92-93; formalization of sports and, 7-20; free agency and, 50; monopolies and, 61-73; Olympic hosting and, 155-74, 178-79; organizers and, 56-58; price fixing and, 62-65, 88; promotion and, 56-58; reform and, 180-83; television and, 141-44; U.S. vs. European broadcasting differences and, 145-53 religion, 4-5, 10, 20-21 republics, 10 reserve rule, 46; baseball and, 73-84, 87; basketball and, 84–85; club renewal options and, 75-76; Coase Theorem and, 82-83; collective bargaining and, 80-84; competitive balance defense and, 73-91; expansion of, 73-74; football and, 83-90; invariance principle and, 82-83; as

218 INDEX

reserve rule (cont.) salary caps and, 84-85; Scully model and, 106-10; sporting property right, 82; retain and money illusion and, 170-71; transfer system and, 89-91; roster limits and, 85-86; salsteroid use and, 92-93; strikes and, 95; supply and demand, ary caps and, 84-85; soccer and, 89-91 100-2; television and, 96, retain and transfer system, 89-91 125-26, 135, 140-41, 144-45; revenue, xvi; amateurism and, tourism and, 167-68 reward structures: alternative, 94-95; ancient Greek, 5-6; average salaries by year, 81; 37-39; individual stages and, 42; medals and, 37-38, 44, boycotts and, 95; bribery and, 116, 122, 153, 160, 172; 121; collective selling and, xii-xiv, 88-89, 133-34, 146-Olympics and, 37; PGA for-48, 182; competitive balance mulas and, 53-54; record breaking and, 43-45, 98-99; defense and, 73-91; economic score, 37; second place, 37rent and, 105; effort levels and, 97-98; fairness and, 112; 39; strategy and, 42-43; third place, 37; time, 37, 42; winfree agency and, 96-108; gladiators and, 6-7; honeyner-take-all contests and, moon effect and, 174; in-30-36 creased player share of, 94-Ricardo, David, 105 96; increasing militancy and, Rickey, Branch, 81 95-96; Keynesianism and, Rickman, Neil, 193 risk aversion, 114-16 164-65; match fixing and, 119-21; maximum wage sysrivalries: antitrust and, 70, 72; collective selling and, xii-xiv; tem and, 103; merchandising and, 85, 94, 100, 140, 159; maintenance of, xii-xv; Olympic hosting and, 155-74, necessity of, xi; political 178-79; overpaid players and, level of, xi-xii; popular bene-96–109; ownership rights fits of, xi–xii; property rights and, 130-35; performance and, 128; Red Sox/Yankees and, xvii, 78-79, 116-19; and, vii-xi; soccer, xi-xii; PGA formulas and, 53-54; star players and, xii. See also price fixing and, 62-65, 88; competition racial issues and, 110-11; Roberts, Gary, 189, 192

INDEX 219

Sabermetrics, 187 Rockefeller, John D., 67 Rodriguez, Alex, 100 salary caps, 84-85 Rolling Stones, 131 Salt Lake City Olympics scan-Roman Coliseum, 6 dal, 155-58 Romans, 6-8 Salt Lake City Organizing Rome, 168 Committee, 158 Ronaldo, Cristiano, 100 Samaranch, Juan Antonio, Rosen, Sherwin, 192-93 158-50 Sanderson, Allen, 193 Rosentraub, Mark, 189 Ross, Stephen F., 189, 191–92 Sandy, Robert, 189 roster limits, 85–86 Sarbanes-Oxley Act, 156-57 satellites, 141, 144-45 Rottenberg, Simon, xix, 46, 81-83, 185, 188 Sauer, Raymond D., 193 Royal and Ancient Golf Club, Schmidt, Martin B., 189, 192 Schumacher, Michael, xii 13 scientific management, 113 Royal Society, 10–11 Royal Toxophilite Society, 8 score rewards, 37 Scotland, 11, 13 Rozelle, Pete, 138–39 scudetto (league championship), Rugby, 14 Rugby Union, 93-94, 122 rules, 181; amateur model and, Scully, Gerald, xix, 106–10, 25-26; collective decision-187-88 making and, 54-55; comsecond place rewards, 37-39 petitive balance defense and, secret messages, 121 73-91; FIFA and, 24; formal-Seitz, Peter, 80 ization of sports and, 7-20; Seles, Monica, xii pre-industrial age and, 9; Selig, Bud, 33 profit motive and, 23-24; re-Sellers, Peter, 113 serve, 46, 73-91; supermajor-Senators, 174 ity voting and, 54-55; Senna, Ayrton, xii U.S./U.K. influence upon, Seoul, South Korea, 155 Serie A, xiii 7-20 runs batted in (RBI), 106, 108 Serie B, 119 Russia, 172 sex, 6 Sheffield United, 27-28 Ruth, Babe, viii-x

220 INDEX

Sherman Act, 66-68, 75, 88, 192 shipbuilding, 18 shirking, 117-19 Siegfried, John, 194 Simmons, Robert, 191 Simon, Curtis, 188 Simons, Rob, 193 Sion, Switzerland, 155 Sixers, xi skating, 159 Sky Sports, 144–47 Sloane, Peter, 185, 189 Smith, Adam, 60, 63, 105 Smith, Ron, 191 soccer, xii; adaptability of, 18; Alcock and, 1; amateur model and, 25; American culture and, 29; broadcasting and, 136, 143-45, 147, 150-51; cheating and, 27-28; collective selling and, xii-xiv; commercialism of, 22-24; development of, 93; elite class and, 19; FIFA and, 13, 19, 24, 152-53, 159; Football Association and, 1, 3, 7, 18, 22-23, 27-28; formalization of, 7-8; France and, 15; match fixing and, 119-20; maximum wage system and, 103; modernity in, 7; promotion and, 56-58; reserve rule and, 89-91; retain and transfer system and, 89-91; shirking and, 118; spread of, 18-19, 22-23; spying and, 122;

stadium building and, 175-77; strikes and, 95; uncertainty-of-outcome hypothesis and, 50-51; World Cup and, 23, 118, 128, 144-45, 151-53, 159, 170, 177 Society for American Baseball Research (SABR), 100 sociologists, 28-29 Sony, 153, 183 South Africa, 17 South America, 19 South Korea, 155 Spain, xi, 50, 147-48, 150-51, Spalding, Al, 1-2, 17-18 Sporting Lisbon, 50 sporting money illusion, 170-71 sports: ancient civilizations and, 3-8; antitrust and, 59-91; broadcasting and, 125-54 (see also broadcasting); cheating and, 27-28 (see also cheating); clubs and, 7-22; collective selling and, xii-xiv, 88-89, 133-34, 146-48, 182; as culture, 28-29; drugs and, 44, 92-93, 98, 121-24, 180; economics literature on, 185-95; entertainment and, 28; fans and, 126 (see also fans); formalization of, 7-20; match fixing and, 119-21; military purpose of, 4; as mirror of society, 180; modernity in, xv,

INDEX 221

7-20; national prestige and, 150, 172-73; as "opium of the people", 140; for pleasure, 28; reforming, 180-83; religion and, 4-5; rivalries and, vii-xii, 70, 72, 120; rules and, 4 (see also rules); statistics and, 106-12, 134, 159; ticket prices and, xvi, 52-53, 62-65, 88, 135; transportation and, 127, 162-63; universal character of, 3-4; U.S./U. K. influence upon, 7-20 Sports Broadcasting Act, 130, 146-47 sprints, 5 Spygate scandal, 121-22 Sri Lanka, 17 SSNIP (small, significant and nontransitory increase in price) test, 70 Stade Française, 15 stadiums: blackout rule and. 137-38; club financing of, 175-77; honeymoon effect and, 174; Olympic, 161-62, 166; owner-built, 173; ownership rights and, 130-31, 137-38; public spending on, 173-78 Standard Oil, 67 statistics, 112, 134; Olympic viewers, 159; racial issues and, 110-11; Scully model and, 106-10

Statute of Monopolies, 66n2 Staudohar, Paul, 190, 193 steel, 67 Steinbrenner, George, ix steroids, 92-93, 122 Stigler, George, 82 stock market, 108-9 strategy: alternative structures and, 36-43; attracting spectators and, 44-51 (see also organizers); collective decision-making and, 54-56; competitive balance defense and, 73-91; effort levels and, 30–36; equilibrium and, 31, 34-36; game films and, 137; highest bidders and, 32; Nash model and, 31; number of contestants and, 32-33; optimal league size and, 33; performance schemes and, 116-17; profit levels and, 33-35; promotion and, 56-58; races and, 42-43; randomization and, 34-35; reward structures and, 30-43; rivals and, 42; tortoise-and-hare, 42-43; uncertainty-of-outcome hypothesis and, 47-51, 53; winner-take-all contests and, 30-36 strikes, 95 sugar, 67 Sulaeman, Johan, 193 Sumerians, 3

222 INDEX

sumo wrestling, 27, 118
Super Bowl, 85–87, 128, 139
Super League, 151
supply and demand, 100–2, 105, 119–21
Surrey Cricket Club, 1
Switzerland, 19, 155, 158
Sydney Olympics, 172
symmetric contests, 43

taxes, 10; Olympic hosting and, 163; public goods and, 130; stadiums built by, 173-74 Taylor, Frederick Winslow, 113 technology: broadcasting and, 125-54 (see also broadcasting); computer statistics and, 109; highest bidders and, 32; Internet, 153-54; movies, 128; public goods and, 128-30; radio, 129-30, 143; satellite, 141, 144-45; steam engine, 127; telegraph, 127-28; television, 148-49 (see also television) technology of contest, 32-36 telegraph, 127-28 television, xvi; ABC, 138; amateur model and, 25, 25-26; broadcasting and, 125 (see also broadcasting); business approach to, 148-49; cable deregulation and, 141-42;

CBS, ix, 138; club power enhancement and, 125-26; collective selling and, 88-89; collectivist mind-set and, 137; commissioners and, 138-39; competition structure and, 125–26; competitive balance defense and, 76-77; ESPN, 140-41; football and, 136-44; government control of, 143-44; increased audience base and, 96; individual player contribution and, 126; initial wariness toward, 125-26; league-think and, 125-26; licensing and, 143; live coverage and, 143-45; National Football League and, 136-40; NBC, 159; not-for-profit organizations and, 88–89; Olympics and, 160-61; organizers and, 28, 45; premium services and, 144-45; quality of contest and, 29-30; revenue and, 96, 125-26, 135, 140-41, 144-45; satellite, 141, 144–45; societal effects of, 136-37; spectacle and, 139; spectator sports and, 36; sports as soap opera and, 48; Sports Broadcasting Act and, 139, 146-47; stadium attendance and, 125; subscriptions and, 144-45; U.S./European differences in, 145-53

INDEX 223

tennis: amateurism and, 94-95; broadcasting and, 136; Forest Hills and, 94-95; formalization of, 7-8; global appeal of, 29; invention of, 7; lawn, 7; modernity in, 7; rivalries in, xii; salary levels and, 94-95; Wimbledon and, 94-95, 132, 145 Thailand, 153 third place rewards, 27 tickets, 2, 94; blackout rule and, 137-38; club control of, 52; honeymoon effect and, 174; Olympic, 174; organizers and, 52-53; overpaid players and, 100; prices of, xvi, 52-53, 62-65, 88, 135; winner-take-all contests and, 30 time rewards, 37 tobacco, 67 Togo FA, 152 Tollison, Robert, 186, 192 tortoise-and-hare strategy, 42-43 Tour de France, 42, 145 tourism, 167-68 track and field, 7, 45, 98-99, 122 training methods, 97-98 transportation, 127, 162-63 tribalism, 29 T-shirt slogans, viii, xi Tullock, Gordon, xix, 30, 33, 35, 43, 186 Turnen movement, 15-16, 181

Twenty20, 182 Tyco, 156

UBS, 141 UEFA Champion's League, 133, 147, 148 uncertainty-of-outcome hypothesis, 191; broadcasting and, 128; competitive balance defense and, 76-77; organizers and, 47-51, 53; Super Bowl XLII and, 85-86 underperformance, 116-19 Union League, 71 unions, 46, 59; collective bargaining and, 80-84; competitive balance defense and, 79-80; politics and, 79-80; salary caps and, 84–85; strikes and, 95 United States, xi, xv, 172; amateur model and, 25-26; collective selling and, 146-47; dominant culture of, 9; European broadcasting differences and, 145-53; formalization of sports and, 7-20; imperialist theory and, 9; monopolies and, 66-67; optimal league size and, 33; railroads and, 67;

Salt Lake City Olympics scan-

dal and, 155–58; Sarbanes-Oxley Act and, 156–57; Sher-

man Act and, 66-68, 75, 88;

224 INDEX

United States (cont.) voting, 54-55 soccer and, 29; telephone Vouliagmeni Olympic Center, companies and, 36; television 161 and, 136-37, 144-45, (see also Vrooman, John, 186 television); transportation and, 127 United States Football League, wages. See revenue walks, 110 Walsh, W. D., 188 United States Olympic Committee (USOC), 158 weight lifting, 122 University of Chicago, 27 Welch, Tom, 157 University of Texas, xi Western Union, 127–28 University of Tokyo, 18 Whitehead, J. C., 195 Uruguay, 19 White Sox, 119 USA Today, viii Who Wants to Be a Millionaire? (TV show), 36 U.S. Congress, 102, 139, 188; antitrust and, 74-76, 81-82; Williams, M., 193 Williams, Serena, xii cartels and, 74-75; International Olympic Committee Williams, Ted, ix (IOC) and, 158-59; Sarbanes-Williams, Venus, xii Oxley Act and, 156-57 Wilson, Horace, 18 Wimbledon, 94–95, 132, 145 U.S. Justice Department, 138, Wingfield, Walter, 7 157 winner-take-all contests: equi-U.S. Supreme Court, 75–76, 79, 138 librium and, 31, 34-36; utilities, 61-62 marginal benefits/costs and, 30-31; Nash equilibrium and, utopian society, 97 31; Olympics as, 46; technology of, 32-36 wireless communication, 127-28 Valletti, Tommaso, 191 varsity sports, 24-25 Witt, Robert, 193 Vereine (German clubs), 176-77 Wolfers, Justin, 193 vertical separation, 51-56 Woods, Tiger, 100

World Anti-Doping Agency,

122-23

Voigt, David, 73

von Allmen, Peter, 189

INDEX 225

WorldCom, 156–57
World Cup, 23, 118, 128, 144–45, 151–53, 159, 170, 177
World Football League, 72
world records, 43–45, 98–99
World Series, viii–ix, 81, 145
World Trade Organization, 69
World War I era, 128
World War II era, ix, 75
World Wildlife Fund, 162
Wren, Christopher, 11
wrestling, 4, 27, 118

Yankees, vii; CBS and, ix; honors of, ix–x; Murderers' Row and, ix; overpaid players and, 100; revenue of, 134–35; Ruth and, viii–x Yankee Stadium, viii–ix Yao Ming, 153 Yarborough, Cale, xii Yastrzemski, Carl, ix Yates, Michael C., 193 YES network, 135 YMCA, 14 Yokohama Athletic Club, 18

XFL, 72

Yale, 14 "Yankee Hater" T-shirts, xi Zeus, 4–5 Zimbalist, Andrew, 70–71, 188, 190–91, 194