DISCOVERING THE WESTERN PAST

A LOOK AT THE EVIDENCE



WIESNER

RUFF

WHEELER

OLUME 1: TO 1789

DISCOVERING THE WESTERN PAST A LOOK AT THE EVIDENCE

VOLUME I: TO 1789

FOURTH EDITION

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PREFACE

The first three editions of *Discovering the Western Past: A Look at the Evidence* elicited a very positive response from instructors and students alike, and that response encouraged us to proceed with this Fourth Edition. As authors, we were particularly gratified by the widespread acceptance of the central goal of *Discovering the Western Past*, that of making students active analysts of the past and not merely passive recipients of its factual record.

The title of this book begins with a verb, a choice that reflects our basic philosophy about history. History is not simply something one learns about; it is something one does. One discovers the past, and what makes this pursuit exciting is not only the past that is discovered but also the process of discovery itself. This process can be simultaneously exhilarating and frustrating, enlightening and confusing, but it is always challenging enough to convince those of us who are professional historians to spend our lives at it. And our own students, as well as many other students, have caught this infectious excitement.

The recognition that history involves discovery as much as physics or astronomy does is often not shared by students, whose classroom experience of history frequently does not extend beyond listening to lectures and reading textbooks. The primary goal of *Discovering the Western Past: A Look at the Evidence* is to allow students enrolled in the Western Civilization course to *do* history in the same way we as historians do—to examine a group of original sources in order to answer questions about the past. We feel that contact with original sources is an excellent means of communicating the excitement of doing history, but incorporating complete works or a collection of documents into a Western Civilization course can be problematic for many instructors.

The evidence in this book thus differs from that in most source collections in its variety. We have included visual evidence such as coins, paintings, aerial photographs, cartoons, buildings, architectural plans, maps, and political posters. In choosing written evidence we again have tried to offer a broad sample—songs, plays, poems, novels, court records, notarial contracts, statistical data, and work regulations all supplement letters, newspapers, speeches, autobiographies, and other more traditional sources.

For students to learn history the way we as historians do, they must not only be confronted with the evidence; they must also learn how to use that evidence to arrive at a conclusion. In other words, they must learn historical methodology. Too often methodology (or even the notion that historians *have* a methodology) is reserved for upper-level majors or graduate students; beginning students are simply presented with historical facts and interpretations without being shown how these were unearthed or formulated. Students may learn that historians hold different interpretations of the significance of an event or individual or different ideas about causation, but they are not informed of how historians come to such conclusions.

Thus, along with evidence, we have provided explicit suggestions about how one might analyze that evidence, guiding students as they reach their own conclusions. As they work through the various chapters, students will discover not only that the sources of historical information are wide-ranging but also that the methodologies appropriate to understanding and using them are equally diverse. By doing history themselves, students will learn how intellectual historians handle philosophical treatises, economic historians quantitative data, social historians court records, and political and diplomatic historians theoretical treatises and memoirs. They will also be asked to consider the limitations of their evidence, to explore what historical questions it cannot answer as well as those it can. Instead of passive observers, students become active participants.

Following an approach that we have found successful in many different classroom situations, we have divided each chapter into five parts: The Problem, Sources and Method, The Evidence, Questions to Consider, and Epilogue. The section called "The Problem" presents the general historical background and context for the evidence offered and concludes with the central question or questions explored in the chapter. The section titled "Sources and Method" provides specific information about the sources and suggests ways in which students might best study and analyze this primary evidence. It also discusses how previous historians have evaluated such sources and mentions any major disputes about methodology or interpretation. "The Evidence" forms the core of each chapter, presenting a variety of original sources for students to use in completing the central task. In "Questions to Consider," suggestions are offered about connections among the sources, and students are guided to draw deductions from the evidence. The final section, "Epilogue," traces both the immediate effects of the issue under discussion and its impact on later developments.

Within this framework, we have tried to present a series of historical issues and events of significance to the instructor as well as of interest to the student. We have also aimed to provide a balance among political, social, diplomatic, intellectual, and cultural history. In other words, we have attempted to create a kind of historical sampler that we believe will help students learn the methods and skills used by historians. These skills—analyzing arguments, developing hypotheses, comparing evidence, testing conclusions, and reevaluating material—will not only enable students to master historical content; they will also provide the necessary foundation for critical thinking in other college courses and after college as well.

Discovering the Western Past is designed to accommodate any format of the Western Civilization course, from the small lecture/discussion class of a liberal arts or community college to the large lecture with discussions led by teaching assistants at a sizable university. The chapters may be used for individual assignments, team projects, class discussions, papers, and exams. Each is self-contained, so that any combination may be assigned. The book is not intended to replace a standard textbook, and it was written to accompany any Western Civilization text the instructor chooses. The Instructor's Resource Manual, written by the authors of the text, offers suggestions for class discussions, suggestions for ways in which students' learning may be evaluated, and annotated lists of suggestions for further reading.

New to the Fourth Edition

The Fourth Edition of *Discovering the Western Past* incorporates the responses to the book that we have received from our own students, as well as from student and faculty users of the book around the country. Every chapter in the two volumes has received some reworking, and new chapters are included in each volume.

Volume I includes new chapters on ancient suicide, slave law in Roman and Germanic society, and peasant violence in the period 1500–1789. Volume II offers readers new chapters on the French Revolution (reinstated from the Second Edition), "New Women" of the 1920s, and immigration in Europe.

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CHAPTER ONE

THE NEED FOR WATER

IN ANCIENT SOCIETIES

THE PROBLEM

The title of the course for which you are using this book is probably a variant of "Western Civilization." Why do we use the term civilization? What distinguishes human cultures that are labeled civilizations from those that are not? Though great differences separate them, all civilizations share some basic characteristics. The most important of these similarities is the presence of cities; indeed, the word civilization comes from the Latin word *civilis* (meaning "civic"), which is also the root of citizen and civil. Historians and archaeologists generally define a city as a place inhabited by more than 5,000 people, and they have discovered the remains of the earliest communities of this size in ancient Mesopotamia, which is present-day Iraq.

Why should the presence of cities be the distinguishing mark of cultural development? It is not the cities themselves but what they imply about a culture that makes them so important. Any society in which thousands of

people live in close proximity to one another must have some sort of laws or rules governing human behavior. These may be either part of an oral tradition or, as in ancient Mesopotamia, written down. A city must provide its residents with a constant supply of food, which means developing ways to transport food into the city from the surrounding farmland, to store food throughout the year, and to save it for years marked by poor harvests. Not only does the presence of cities indicate that people could transport and store food effectively, but it also reveals that they were producing enough surplus food to allow for specialization of labor. If all work time had been devoted to farming, it would not have been possible to build roads, produce storage bins, or enforce laws on which the city depended. This specialization of labor, then, allowed some members of society the opportunity and time to create and produce goods and artifacts that were not directly essential to daily survival. Urban residents in Mesopotamia began to construct large buildings and decorate them with sculptures,

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paintings, and mosaics; write poetry and history; and develop religious and philosophical ideas, all of which are pursuits we consider essential to a civilization. As the cities themselves grew, they required greater and greater amounts of food to feed their inhabitants, which led to further technological development.

Mesopotamia was in many ways an odd location for the beginning of a civilization. True, the soil is so rich that the region is called the Fertile Crescent, but it does not receive enough natural rainfall to grow crops steadily year after year. In fact, this region is not where agriculture began in the West; that happened closer to the Mediterranean, where the rainfall was more regular. Apparently, as techniques of planting and harvesting crops spread into Mesopotamia, the inhabitants realized that they would be able to use these techniques effectively only through irrigation. They needed to tap the waters flowing in the Tigris and Euphrates Rivers, a project requiring the cooperation of a great many people. Thus, rather than proving a block to further development, the need for irrigation in ancient Mesopotamia may have been one of the reasons that cities first arose there. We may never be able to know this with certainty, because irrigation systems were already in place when written records began and because cities and irrigation expanded at the same time. We do know, however, that in Mesopotamia, neither could have existed without the other; cities could survive only where irrigation had created a food surplus,

and irrigation could survive only where enough people were available to create and maintain ditches and other parts of the system.

Building irrigation systems presented both technical and organizational problems. The Tigris and Euphrates were fast-flowing rivers that carried soil as well as water down from the highlands. This rich soil created new farmland where the rivers emptied into the Persian Gulf. (The ancient Persian Gulf ended more than 100 miles north of its present boundary; all that land was created as the rivers filled in the delta.) The soil also rapidly clogged up the irrigation ditches, which consequently required constant cleaning. Every year these deposits were excavated and piled on the banks until the sides of the ditches grew so tall that cleaning could no longer be easily accomplished. At this point the old ditch was abandoned and a new ditch was cut, tasks that required a great deal of work and the cooperation of everyone whose land was watered by that ditch.

Mesopotamian farmers used several types of irrigation. One technique, known as basin irrigation, was to level large plots of land fronting the rivers and main canals and build up dikes around them. In the spring and other times during the year when the water was high, farmers knocked holes in the dikes to admit water and fresh soil. Once the sediment had settled, they let the water flow back into the channel. They also built small waterways between their fields to provide water throughout the year, thereby developing a system of perennial irri-

gation. In the hillier country of northern Mesopotamia, farmers built terraces with water channels running alongside them. The hillside terraces provided narrow strips of flat land to farm, and the waterways were dug to connect with brooks and streams.

Farmers could depend on gravity to bring water to their fields during spring and flood seasons, but at other times they needed water-raising machines. They devised numerous types of machines, some of which are still in use today in many parts of the world. These solved some problems but created others, as farmers with machines could drain an irrigation ditch during times of low water, leaving their neighbors with nothing. Sometimes this wadi irrigation in-How were rights to water to be de-volved a whole series of small dams cided? Solving this problem was crucial to human social organization, and the first recorded laws regarding property rights in fact concern not rights to land but rights to water. In soil with them. Mesopotamia, land was useless unless it was irrigated.

Many of the irrigation techniques developed in Mesopotamia either spread to Egypt or were developed independently there. Because it received even less rainfall than Mesopotamia, Egypt was totally dependent on the Nile for watering crops. Fortunately, the Nile was a much better source of water than the Tigris and Euphrates because it flooded regularly, allowing easy basin irrigation. The rise and fall of the Nile was so regular, in fact, that the Egyptians based their 365-day calendar on its annual flooding. The Egyptians also constructed waterways and water-lifting machines to allow

for perennial irrigation. As in Mesopotamia, irrigation in Egypt both caused and resulted from the growth of cities. It contributed as well to the power of the kings, whom the Egyptian people regarded as responsible for the flood of the Nile.

Irrigation was more difficult in places that did not have flood-prone rivers, including many parts of North Africa and the Near East. Here people adapted techniques to conserve water from sporadic heavy rainfalls. They dammed the temporary lakes (termed wadis) created by these rainfalls and built ditches to convey the water to fields, rather than allowing *it simply to flow off onto the desert. down the course of rivers that ran only after storms. Besides providing water, wadi irrigation also built up terraces because the rivers carried

The earliest water systems were for crop irrigation, but people also began to demand good drinking water. In many parts of the ancient world, the demand for drinking water led to the setting up of a second system because river water that is suitable for irrigation may be brackish, unpleasant, or even unhealthful to drink. In southern Europe, where lakes were often not far from growing cities, people solved the problem by building channels made of timber, stone, or clay earthenware to carry water from the lakes to the city. These channels might be open or closed, depending on the terrain and the level of technical development of the culture that built

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them. Generally they relied on gravity flow and fed into underground tanks or reservoirs in the city; the oldest known water channels are in Jerusalem and date from about 1000 B.C. The construction of such systems, which demanded even more technical expertise than the building of irrigation ditches, provoked additional legal problems about ownership of the right to this clean, cool water.

When lakes were not located close enough to make aboveground channels feasible, people had to rely on water from aguifers, underground water-bearing layers of gravel or porous rock. The water could be obtained from wells drilled in the ground, but wells could supply only a small amount of water at a time. Once an aguifer had been discovered, however, a horizontal channel could be dug to lead the water to an outside channel or reservoir. A horizontal channel worked only in hilly areas where the aquifer stood higher than a nearby valley, but such channels, called ganats, have been found in Iran, Syria, Egypt, and Turkey that are over 2,000 years old. If the amount of water it yielded was large enough, the qanat could be used for irrigation as well as drinking water.

When the Romans conquered the Middle East and North Africa in the second century B.C., they inherited irrigation systems that in some cases had already been in existence for more than 2,000 years. The Romans carried many ideas to other parts of their empire and made innovations as the terrain or distance required. Most of the European territory in the Roman Empire received adequate

rainfall for farming without irrigation, but many Roman cities, especially Rome itself, experienced a chronic shortage of drinking water. The Romans solved this problem by building aqueducts, covered or uncovered channels that brought water into the cities from lakes and springs. The first of these in Rome was built in 312 B.C., and the system expanded continuously up to about A.D. 150. Over 300 miles of aqueducts served the city of Rome alone, with extensive systems in the outlying provinces as well. Although Roman engineers went to great lengths to avoid valleys, they were occasionally forced to construct enormous bridges to carry the aqueducts over valleys. Some of these bridges were over 150 feet high, and a few, such as the bridge-aqueduct in Segovia, Spain, still bring water to city residents. The Romans' sophisticated architectural and construction techniques—the arch and waterresistant cement, for example—enabled them to build water systems undreamed of in Mesopotamia and Egypt. Legal problems were not as easily solved, however, and disputes about water rights recur frequently throughout the long history of Rome.

Supplying cities with water was not simply a technological problem; it had economic, legal, and political implications. Through their solutions to these complex problems, ancient societies created what we call civilization. Your task in this chapter will be to use both visual and written evidence of ancient water systems to answer the question, How did the need for a steady supply of water shape civilization?

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