A Continent of Villages to 1500

CHAPTER OUTLINE

American Communities 3
Cabokia: Thirteenth-Century Life on the Mississippi
The First American Settlers 4
Who Are the Indian People?
Migration from Asia
The Clovis Culture: The First Environmental Adaptation
New Ways of Living on the Land

The Development of Farming 10
Origins in Mexico
Increasing Social Complexity
The Resisted Revolution

Farming in Early North America 13
Farmers of the Southwest
The Anasazis
Farmers of the Eastern Woodlands

Mississippian Society
The Politics of Warfare and Violence
Cultural Regions of North America on the Eve of Colonization 16
The Population of Indian America
The Southwest
The South
The Northeast
As the sun rose over the rich floodplain, the people of the riverbank city set about their daily tasks. Some went to shops where they manufactured tools, crafted pottery, worked metal, or fashioned ornamental jewelry—goods destined to be exchanged in the far corners of the continent. Others left their densely populated neighborhoods for the outlying countryside, where in the summer heat they worked the seemingly endless fields that fed the city. From almost any point people could see the great temple that rose from the city center—the place where priests in splendid costumes acted out public rituals.

The Indian residents of this thirteenth-century city lived and worked on the east banks of the Mississippi River, across from present-day St. Louis, a place known today as Cahokia. In the thirteenth century, Cahokia was an urban cluster of 20,000 or 30,000 people. Its farm fields were abundant with corn, beans, and squash. The temple, a huge earthwork pyramid, covered fifteen acres at its base and rose as high as a ten-story building. On top were the sacred quarters of priests and chiefs, who wore elaborate headdresses made from the plumage of exotic birds.

By the fourteenth century Cahokia had been abandoned, but its great central temple mound and dozens of smaller ones in the surrounding area, as well as hundreds of other large mounds throughout the Mississippi...
CHAPTER 1 A Continent of Villages to 1500

Valley, remained to puzzle the colonists and settlers who came in the eighteenth and nineteenth centuries. Treasure seekers plundered those mounds, and many were eventually dynamited and plowed under for farmland. Only a few were preserved inside parks and estates. Cahokia’s great central mound survived because it became the site of a monastery, now long gone.

The Europeans and Americans who explored and excavated those mounds were convinced they were the ruins of a vanished civilization, not the work of Indians. They were wrong. The ancestors of contemporary Native Americans constructed massive earthworks in the Mississippi Valley. The vast urban complex of Cahokia, which at its height stretched six miles along the Mississippi River, flourished from the tenth to the fourteenth century. Its residents were not nomadic hunters but farmers, participants in a complex agricultural culture that archaeologists term “Mississippian.” Hundreds of acres of crops fed the people of Cahokia, the largest urban community north of the Aztec civilization of central Mexico. Mississippian farmers constructed ingenious raised plots of land on which they heaped compost in wide ridges for improved drainage and protection against unseasonable frosts. To their square houses of wood and mud they attached pens in which they kept flocks of domesticated turkeys and small herds of young deer, slaughtered for meat, feathers, and hide. Cahokia stood at the center of a long-distance trading system that linked it to other Indian communities over a vast area. Copper came from Lake Superior, mica from the southern Appalachians, and conch shells from the Atlantic coast. Cahokia’s specialized artisans were renowned for the manufacture of high-quality flint hoes, which were exported throughout the Mississippi Valley.

Evidence suggests that Cahokia was a city-state supported by tribute and taxation. Like the awe-inspiring public works of other early urban societies in other parts of the world, most notably the pyramids of ancient Egypt and the acropolis of Athens, the great temple mound of Cahokia was intended to showcase the city’s wealth and power. The mounds and other colossal public works at Cahokia were the monuments of a society ruled by a class of elite leaders. From their residences atop the mound, priests and chiefs looked down on their subjects both literally and figuratively.

The 1848 Smithsonian report on Cahokia reflected the stereotypical American view that all Indian people were hunters. It is a view that persists. But the long history of North America before European colonization reveals that the native inhabitants developed a great variety of societies. Beginning as migrant hunting and gathering bands, they found ways to fine-tune their subsistence strategies to fit environmental possibilities and limitations. Communities in the highlands of Mexico invented systems of farming that spread to all the regions where cultivation was possible. Not only the Aztecs of Mexico and the Mayans of Central America but also communities in the Southwest and the Mississippi Valley constructed densely settled urban civilizations. North America before colonization was, as historian Howard R. Lamar phrases it, “a continent of villages,” a land spread with thousands of communities. The wonders and mystery of the lost city of Cahokia are but one aspect of the little-understood history of the Indians of the Americas.

The First American Settlers

“Why do you call us Indians?” a Massachusetts native complained to Puritan missionary John Eliot in 1646. Christopher Columbus, who mistook the Taíno people of the Caribbean for the people of the East Indies, called them “Indios.” Within a short time this Spanish word had passed into English as “Indians” and was commonly used to refer to all the native peoples of the Americas. Today anthropologists sometimes employ the term “Amerindians,” and others use “Native Americans.” But in the United States most of the descendants of the original inhabitants refer to themselves as “Indian people.”

Who Are the Indian People?

At the time of their first contacts with Europeans at the beginning of the sixteenth century, the inhabitants of the Western Hemisphere represented over 2,000 separate cultures, spoke several hundred different languages, and made their livings in scores of different environments. Just as the term “European” includes many nations, so the term
“Indian” covers an enormous diversity among the peoples of the Americas.

No single physical type characterized all the peoples of the Americas. Although most had straight, black hair and dark, almond-shaped eyes, their skin color ranged from mahogany to light brown. Few fit the “redskin” descriptions used by North American colonists of the eighteenth and nineteenth centuries. Indeed, it was only when Europeans had compared Indian peoples with natives of other continents, such as Africans, that they seemed similar enough to be classified as a group.

Once Europeans realized that the Americas were in fact a “New World,” rather than part of the Asian continent, a debate began over how people might have moved there from Europe and Asia, where (according to the Bible) God had created the first man and woman. In 1590, the Spanish Jesuit missionary Joseph de Acosta reasoned that because Old World animals were present in the Americas, they must have crossed by a land bridge that could have been used by humans as well. “And they followed this way quite unthinkingly,” he wrote, “changing places and lands little by little, with some of them settling in the lands already discovered and others seeking new ones.”

Acosta was the first to propose the Asian migration hypothesis that is widely accepted today. Siberian and American Indian populations suggest that migrants to North America began leaving Asia approximately 30,000 years ago (see Map 1.1).

The migration was possible because during the last Ice Age, from 70,000 to 10,000 years ago, huge glaciers locked up massive volumes of water, and sea levels were as much as 300 feet lower than they are today. Asia and North America, now separated by the Bering Strait, were joined by a huge subcontinent of ice-free, treeless grassland, 750 miles wide from north to south, which geologists have named Beringia. Summers there were warm, and winters were cold but almost snow free, so there was no glaciation. It was
CHAPTER 1  A Continent of Villages to 1500

MAP 1.1 Migration Routes from Asia to America  During the Ice Age, Asia and North America were joined where the Bering Strait is today, forming a migration route for hunting peoples. Either by boat along the coast, or through a narrow corridor between the huge northern glaciers, these migrants began making their way to the heartland of the continent as much as 30,000 years ago.

a perfect environment for large mammals—mammoth and mastodon, bison, horse, reindeer, camel, and saiga (a goat-like antelope). Small bands of Siberian hunter-gatherers were surely attracted by these animal populations. Accompanied by a husky-like species of dog, hunting bands gradually moved as far east as the Yukon River basin of northern Canada, where field excavations have uncovered the fossilized jawbones of several dogs and bone tools estimated to be about 27,000 years old.

Access to lands to the south, however, was blocked by huge ice sheets covering much of what is today Canada. How did the migrants get through those 2,000 miles of deep ice? The standard hypothesis is that with the warming of the climate and the end of the Ice Age, about 13,000 BCE (before the common era), glacial melting created an ice-free corridor—an original “Pan-American Highway”—along the eastern front range of the Rocky Mountains. Using this thoroughfare, the hunters of big game reached the Great Plains as early as 11,000 BCE.

Recently, however, new archaeological finds along the Pacific coast of North and South America have complicated this hypothesis. Radiocarbon analysis of remains discovered at several newly excavated human sites suggested dates of 12,000 BCE or earlier. The most spectacular find, at Monte Verde in southern Chile, produced striking evidence of tool making, house building, and rock painting conservatively dated at 12,500 BCE. A
The number of archaeologists believe that the people who founded these settlements moved south in boats along a coastal route—an ancient “Pacific Coast Highway.” These people were probably fishers and gatherers rather than hunters of big game.

There were two later migrations into North America. About 5000 BCE the Athapascan people moved across Beringia and began to settle the forests in the northwestern area of the continent. Eventually groups of Athapascan speakers, the ancestors of the Navajos and Apaches, migrated across the Great Plains to the Southwest. A third and final migration began about 3000 BCE, long after Beringia had disappeared under rising seas, when a maritime hunting people crossed the Bering Strait in small boats. The Inuits (also known as the Eskimos) colonized the polar coasts of the Arctic, the Yupiks the coast of southwestern Alaska, and the Aleuts the Aleutian Islands (which are named for them).

While scientists debate the timing and mapping of these various migrations, many Indian people hold to oral traditions that say they have always lived in North America. Every culture has its origin stories, offering explanations of the customs and beliefs of the group. A number of scholars believe these origin stories may shed light on ancient history. The Haida people of the Northwest Pacific coast tell of a time long ago when the offshore islands were much larger, but then the oceans rose, they say, and “flood tide woman” forced them to move to higher ground. Could these stories preserve a memory of the changes at the end of the Ice Age?

The Clovis Culture: The First Environmental Adaptation

The tools found at the earliest North American archaeological sites, crude stone or bone choppers and scrapers, are similar to artifacts from the same period found in Europe or Asia. About 11,000 years ago, however, ancient Americans developed a much more sophisticated style of making fluted blades and lance points, a tradition named “Clovis,” after the location of the initial discovery near Clovis, New Mexico, in 1926. In the years since, archaeologists have unearthed Clovis stone tools at sites throughout the continent all dating within 1,000 or 2,000 years of one another, suggesting that the Clovis technology spread quickly throughout the continent.

The evidence suggests that Clovis bands were mobile communities of foragers numbering perhaps thirty to fifty individuals from several interrelated families. They returned to the same hunting camps year after year, migrating seasonally within territories of several hundred square miles. Near Delbert, Nova Scotia, archaeologists discovered the floors of ten tents arranged in a semicircle, their doors opening south to avoid the prevailing northerly winds. Both this camp and others found throughout the continent overlooked watering places that would attract game. Clovis blades have been found amid the remains of mammoth, camel, horse, giant armadillo, and sloth.

The global warming trend that ended the Ice Age dramatically altered the North American climate. About 15,000 years ago the giant continental glaciers began to melt and the northern latitudes were colonized by plants, animals, and humans. Meltwater created the lake and river systems of today and raised the level of the surrounding seas, not only flooding Beringia but also vast stretches of the Atlantic and Gulf coasts, creating fertile tidal pools and offshore fishing banks.

New Ways of Living on the Land

These huge transformations produced new patterns of wind, rainfall, and temperature, reshaping the ecology of the entire continent and gradually producing the distinct North American regions of today (see Map 1.2). The great integrating force of a single continental climate faded, and with its passing the continental Clovis culture fragmented into a number of different regional patterns.

The retreat of the glaciers led to new ways of finding food: hunting in the Arctic, foraging in the arid deserts, fishing along the coasts, hunting and gathering in the forests. These developments took place roughly 10,000 to...
All peoples must adjust their diet, shelter, and other material aspects of their lives to the physical conditions of the world around them. By considering the ways in which Indian peoples developed distinct cultures and adapted to their environments, anthropologists developed the concept of "culture areas." They divide the continent into nine fundamental regions that have greatly influenced the history of North America over the past 10,000 years. Just as regions shaped the lifeways and history of Indian peoples, after the coming of the Europeans they nurtured the development of regional American cultures. By determining the origin of artifacts found at ancient sites, historians have devised a conjectural map of Indian trade networks. Among large regional centers and smaller local ones, trade connected Indian peoples of many different communities and regions.

Hunting Traditions One of the most important effects of this massive climatic shift was the stress it placed on the big-game animals best suited to an Ice Age environment. The archaeological record documents the extinction of thirty-two classes of large New World mammals, including not only the mammoth and mastodon but also the horse and camel, both of which evolved in America, then migrated to Asia across Beringia. Changing climatic conditions lowered the reproduction and survival rates of these large mammals, forcing hunting bands to intensify their hunting.

As the other large-mammal populations declined, hunters on the Great Plains concentrated on the herds of American bison (known more familiarly as buffalo).
When, in 1927, archaeologists at Folsom, New Mexico, uncovered this dramatic example of a projectile point embedded in the ribs of a long-extinct species of bison, it was the first proof that Indians had been in North America for many thousands of years.

**SOURCE:**Courtesy of the Denver Museum of Nature and Science.

hunt these animals, people needed a weapon. In archaeological sites dating from about 10,000 years ago, a new style of tool is found mingled with animal remains. This technology, named “Folsom” (for the site of the first major find near Folsom, New Mexico) was a refinement of the Clovis culture that featured more delicate but deadlier spear points. Hunters probably hurled the lances to which these points were attached with wooden spear-throwers, attaining far greater momentum than possible using their arms alone.

These archaeological finds suggest the growing complexity of early Indian communities. Hunters frequently stampeded herds of bison into canyon traps or over cliffs. At one such kill site in southeastern Colorado, dated at about 6500 BCE, archaeologists uncovered the remains of nearly 200 bison that had been slaughtered and then systematically butchered on a single occasion. Such tasks required a sophisticated division of labor among dozens of men and women and the cooperation of a number of communities. Taking food in such great quantities also suggests a knowledge of basic preservation techniques.

**Desert Culture** In the Great Basin, the warming trend created a desert where once there had been enormous inland seas. Here Indian people developed what anthropologists call “Desert culture,” a way of life based on the pursuit of small game and the intensified foraging of plant foods. Small communities of desert foragers migrated seasonally within a small range. They collected seeds, fiber, and prickly pear from the yucca one season, then moved to highland mesas or plateaus to gather grass seed, acorns, juniper berries, and piñon nuts, and next to mountain streams to spear and net fish.

Archaeologists today find the artifacts of desert foragers in the caves and rock shelters in which they lived. In addition to stone tools, there are objects of wood, hide, and fiber, wonderfully preserved for thousands of years in the dry climate. Desert culture persisted into the nineteenth century among modern Shoshone and Ute communities.

The innovative practices of Desert culture gradually spread from the Great Basin to the Great Plains and the Southwest, where foraging for plant foods began to supplement hunting. About 6,000 years ago, these techniques were carried to California, where, in the natural abundance of the valleys and coasts, communities developed economies capable of supporting some of the densest populations and the first permanently settled villages in North America. Another dynamic center developed along the coast of the Pacific Northwest, where Indian communities developed a way of life based on the abundance of fish and sea mammals. Densely populated and permanently settled communities developed there as well.

**Forest Efficiency** There were similar trends east of the Mississippi. In the centuries prior to colonization and settlement by Europeans, the whole of eastern North America was a vast forest. Communities of native people achieved a comfortable and secure life by developing a sophisticated knowledge of the rich and diverse available resources, a principle anthropologists term “forest efficiency.” Forest peoples gathered wild plant foods and hunted small game. They developed a practice of burning the woodlands and prairies, creating meadows and edge environments that not only provided harvestable food but also attracted grazing animals, hunted for their meat and hides.

Archaeological sites in the East suggest that during the late Archaic period community populations grew and settlements became increasingly permanent, providing convincing evidence of the practicality of forest efficiency. The different roles of men and women were reflected in the artifacts these peoples buried with their dead: axes, fishhooks, and animal bones with males; nut-cracking stones, beads, and pestles with females.
An Arapaho Legend

A man tried to think how the Arapahos might kill buffalo. He was a hard thinker. He would go off for several days and fast. He did this repeatedly. At last he dreamed that a voice spoke to him and told him what to do. He went back to the people and made an enclosure of trees set in the ground with willows wound between them. At one side of the enclosure, however, there was only a cliff with rocks at the bottom. Then four runners were sent out to the windward of a herd of buffalo, two of them on each side. They headed the buffalo and drove them toward the enclosure and into it. Then the buffalo were run about inside until a heavy cloud of dust rose and in this, unable to see, they ran over the precipice and were killed. . . .

The people had nothing to cut up meat with. A man took a buffalo shoulder blade and with flint cut out a narrow piece of it. He sharpened it, and thus had a knife. Then he also made a knife from flint by flaking it into shape. All the people learned how to make knives.

This man also made the first bow and arrows. He made the arrow point of the short rib of a buffalo. Having made a bow and four arrows, he went off alone and waited in the timber at a buffalo path. A buffalo came and he shot: the arrow disappeared into the body and the animal fell dead. Then he killed three more. He went back to camp and told the people: “Harness the dogs; there are four dead buffalo in the timber.” So from this time the people were able to get meat without driving the buffalo into an enclosure.

The people used the fire drill. A man went off alone and fasted. He learned that certain stones, when struck, would give a spark and that this spark would light tinder. He gathered stones and filled a small horn with soft, dry wood. Then he went home. His wife said to him: “Please make a fire.” He took out his horn and his flint stones, struck a spark, blew it, but also tomatoes, chili peppers, avocados, cocoa (chocolate), and vanilla.

Origins in Mexico

Archaeological evidence suggests that plant cultivation in the highlands of central Mexico began about 5,000 years ago. Ancient Mexicans developed crops that responded well to human care and produced larger quantities of food in a limited space than did plants growing in the wild. Maize was particularly productive.
put grass on it, and soon, to the astonishment of all who saw it, had a fire. This was much easier than using the fire drill, and the people soon all did it.

These . . . were the ones who brought the people to the condition in which they now live.

SOURCE: George Amos Dorsey and Alfred L. Kroeber, Traditions of the Arapaho (1903).

A Penobscot Legend

. . . Now the people increased and became numerous. They lived by hunting, and the more people there were, the less game they found. They were hunting it out, and as the animals decreased, starvation came upon the people. And First Mother pitied them.

The little children came to First Mother and said: “We are hungry. Feed us.” But she had nothing to give them, and she wept. She told them: “Be patient. I will make some food. Then your little bellies will be full.” But she kept weeping.

Her husband asked: “How can I make you smile? How can I make you happy?”

“There is only one thing that can stop my tears.”

“What is it?” asked her husband.

“It is this: you must kill me,” she said.

“I could never do that,” he said . . .

But First Mother said: “Tomorrow at high noon you must do it. After you have killed me, let two of our sons take hold of my hair and drag my body over that empty patch of earth. Let them drag me back and forth, over every part of the patch, until all my flesh has been torn from my body. Afterwards, take my bones, gather them up, and bury them in the middle of this clearing. Then leave that place.”

She smiled and said, “Wait seven moons and then come back, and you will find my flesh there, flesh given out of love, and it will nourish and strengthen you forever and ever.”

So it was done. The husband slew his wife and her sons, praying, dragged her body to and fro as she had commanded, until her flesh covered all the earth. Then they took up her bones and buried them in the middle of it. Weeping loudly, they went away.

When the husband and his children and his children’s children came back to that place after seven moons had passed, they found the earth covered with tall, green, tasseled plants. The plants’ fruit, corn, was First Mother’s flesh, given so that the people might live and flourish. And they partook of First Mother’s flesh and found it sweet beyond words. Following her instructions, they did not eat all, but put many kernels back into the earth. In this way, her flesh and spirit renewed themselves every seven months, generation after generation.

“The . . . corn was First Mother’s flesh, given so that the people might live . . .”

And at the spot where they burned First Mother’s bones, there grew another plant, broad leafed and fragrant. It was First Mother’s breath, and they heard her spirit talking: “Burn this up and smoke it. It is sacred. It will clear your minds, help your prayers, and gladden your hearts.”

And First Mother’s husband called the first plant skarmunay, corn, and the second plant utarmur-wayeh, tobacco.

“Remember,” he told the people, “and take good care of First Mother’s flesh, because it is her goodness become substance. Take good care of her breath, because it is her breath turned into smoke. Remember her and think of her whenever you eat, whenever you smoke this sacred plant, because she has given her life so that you might live. Yet she is not dead, she lives: in undying love she renews herself again and again.”


As farming became increasingly important, it radically reshaped social life. Where a foraging society might require 100 square miles to support 100 people, a farming society required only a single square mile. Farming provided not only the incentive for larger families (more workers for the fields) but also the means to feed them. People became less mobile, built more substantial residences near their crops, and developed more effective means of storage. Villages grew into towns and eventually into large, densely settled communities like Cahokia. Autumn harvests had to be stored during winter months, and the storage and distribution of food had to be managed. The division of labor increased with the appearance of specialists like toolmakers, craft workers, administrators, priests, and rulers.

By 1000 BCE urban communities governed by permanent bureaucracies had begun to form in Mesoamerica, the region stretching from central Mexico to Central America. By the beginning of the first millennium CE (common era), highly productive farming was supporting complex urban civilizations in the Valley of Mexico (the location of present-day Mexico City), the Yucatan
Peninsula, and other parts of Mesoamerica. Like many of the ancient civilizations of Asia and the Mediterranean, these Mesoamerican civilizations were characterized by the concentration of wealth and power in the hands of an elite class of priests and rulers, the construction of impressive temples and other public structures, and the development of systems of mathematics and astronomy and several forms of hieroglyphic writing. These civilizations also engaged in warfare between states and practiced ritual human sacrifice.

The great city of Teotihuacan in the Valley of Mexico, which emerged about 100 BCE, had a population of as many as 200,000 at the height of its power around 500 CE. Teotihuacan’s elite class of religious and political leaders controlled an elaborate state-sponsored trading system that stretched from present-day Arizona to Central America and may have included coastal shipping connections with the civilizations of Peru. Teotihuacan began to decline in the sixth century, and by the eighth century it was mostly abandoned. A new empire, that of the Toltecs, dominated central Mexico from the tenth to the twelfth centuries. By the fourteenth century a people known as the Aztecs, migrants from the north, had settled in the Valley of Mexico and begun a dramatic expansion into a formidable imperial power. The Aztecs settled a marshy lake district and built the great city of Tenochtitlán. By the early fifteenth century an estimated 200,000 people lived in the Aztec capital, making it one of the largest cities in the world, much larger than European cities of the time.

The Mayan peoples of the Yucatan Peninsula developed a group of competing city-states that flourished from about 300 BCE until 900 CE. Their achievements included advanced writing and calendar systems and a sophisticated knowledge of mathematics.

Increasing Social Complexity

In a few areas, farming truly did result in a revolutionary change in Indian communities, producing urban civilizations like those in Mesoamerica or on the banks of the Mississippi at Cahokia. It is likely that among the first social transformations was the development of significantly more elaborate systems of kinship. Greater population density prompted families to group themselves into clans, and separate clans gradually became responsible for different social, political, or ritual functions. Clans may have been an important mechanism for binding together the people of several communities into larger social units based on ethnic, linguistic, and territorial unity. These “tribes” were headed by leaders or chiefs from honored clans, often advised by councils of elders. Sometimes these councils arbitrated disputes between individuals or families, but it is likely that most crimes (theft, adultery, rape, murder) were avenged by aggrieved kinship groups. The city of Cahokia probably was governed by such a system.

Chiefs’ primary functions were the supervision of the economy, the collection and storage of the harvest, and the distribution of food to the clans. Differences in wealth, though small by the standards of modern societies, might develop between the families of a farming tribe. These inequalities were kept in check by redistribution according to principles of sharing similar to those operating in foraging communities. Nowhere in North America did Indian cultures develop a concept of the private ownership of land or other resources, which were usually considered the common resource of the people and were worked collectively.

Indian communities practiced a rather strict division of labor according to gender. In foraging communities, hunting was generally men’s work, while the gathering of food and the maintenance of home-base camps were the responsibility of women. The development of farming may have challenged that pattern. Where hunting remained an important activity, women took responsibility for the growing of crops. But in areas like Mexico, where communities were almost totally dependent on cultivated crops for their survival, both men and women worked the fields.
Farming in Early North America

The creation of man and woman depicted on a pot (dated about 1000 CE) from the ancient villages of the Mimbres River of southwestern New Mexico, the area of Mogollon culture. Mimbres pottery is renowned for its spirited artistry. Such artifacts were usually intended as grave goods to honor the dead.

**SOURCE:** Mimbres black on white bowl, with painted representations of man and woman under a blanket. Grant County, New Mexico. Diam. 26.7 cm. Courtesy National Museum of the American Indian, Smithsonian Institution, 24/3198.

In most North American Indian farming communities, women and men belonged to separate social groupings, each with its own rituals and lore. Membership in these gender societies was one of the most important elements of a person’s identity. Marriage ties, on the other hand, were relatively weak, and in most Indian communities divorce was a simple matter: the couple separated without a great deal of ceremony, and the children almost always remained with the mother.

Farming communities were far more complex than foraging communities, but they were also less stable. Growing populations demanded increasingly large surpluses of food, and this need often led to social conflict and warfare. Moreover, farming systems were especially vulnerable to changes in climate, such as drought, as well as to crises of their own making, such as soil depletion or erosion.

**The Resisted Revolution**

Some scholars describe the transition to farming as a revolution. Their argument is that farming offered such obvious advantages that communities rushed to adopt it. But there is very little evidence to support the notion that farming was a clearly superior way of life. Anthropologists have demonstrated that farmers work considerably longer and harder than do foragers. Moreover, farmers depend on a relatively narrow selection of plants and animals for food and are vulnerable to famine. Foragers experience periods of want, but they have a much higher probability of securing food under stressful conditions. Finally, compared to foragers, farmers experienced degenerative conditions of the spine (probably the result of hard labor), a threefold increase in iron-deficiency anemia, and twice the amount of tooth decay and loss.

Moreover, ignorance of cultivation was never the reason communities failed to take up farming. All foraging cultures understand a great deal about plant reproduction. When gathering wild rice, the Menominee Indians of the northern forests of Wisconsin purposely allowed some of it to fall back into the water to ensure a crop for the next season. Paiutes of the Great Basin systematically irrigated stands of their favorite wild food sources. Cultures in different regions assessed the relative advantages and disadvantages of adopting farming. In California and the Pacific Northwest, acorn gathering or salmon fishing made the cultivation of food crops seem a waste of time. In the Great Basin, there were attempts to farm but without much success. Before the invention of modern irrigation systems, which require sophisticated engineering, only the Archaic Desert culture could prevail in this harsh environment.

In the neighboring Southwest, however, farming resolved certain ecological dilemmas and transformed the way of life. Like the development of more sophisticated traditions of tool manufacture, farming represented another stage in economic intensification (like the advance in tool making represented by Clovis technology) that kept populations and available resources in balance. It seems that where the climate favored it, people tended to adopt farming as a way of increasing the production of food, thus continuing the Archaic tradition of squeezing as much productivity as they could from their environment.

**Farming in Early North America**

Maize farming spread north from Mexico into the area now part of the United States in the first millennium BCE. Over time maize was adapted to a range of climates and its cultivation spread to all the temperate regions.

**Farmers of the Southwest**

Farming communities began to emerge in the arid Southwest during the first millennium BCE. Among the first to develop a settled farming way of life was a culture known to archaeologists as Mogollon. These people farmed maize, beans, squash, and constructed ingenious food storage pits in permanent village sites along what is today the southern Arizona-New Mexico border. Those pits may have been the precursors of what southwestern peoples today call kivas, sites of community religious rituals.

During the same centuries, a culture known as Hohokam (“those who are gone,” in the language of the modern tribes of the region) flourished in the region along the floodplain of the Salt and Gila Rivers in southern
Arizona. The Hohokam, who lived in farming villages, built and maintained the first irrigation system in America north of Mexico, channeling river water through 500 miles of canals to water desert fields of maize, beans, squash, tobacco, and cotton. Hohokam culture shared many traits with Mesoamerican civilization to the south, including platform mounds for religious ceremonies and large courts for ball playing.

The Anasazis

The best-known ancient farming culture of the Southwest is the Anasazi, which developed around the first century CE in the Four Corners area, where the states of Arizona, New Mexico, Utah, and Colorado meet on the great plateau of the Colorado River. Around 750 CE, possibly in response to population pressure and an increasingly dry climate, the residents of communities there began shifting from pit-house villages to densely populated, multi-storied apartment complexes that the Spanish invaders called “pueblos.” These farmers grew high-yield varieties of maize in terraced fields irrigated by canals flowing from mountain catchment basins. To supplement this vegetable diet, they hunted animals for their meat, using the bow and arrow that first appeared in the region in the sixth century.

Anasazi culture extended over a very large area. The sites of more than 25,000 Anasazi communities are known in New Mexico alone. Only a few have been excavated, so there is much that archaeologists do not yet understand. The most prominent center was Pueblo Bonito in Chaco Canyon. Completed in the twelfth century, this complex of 700 interconnected rooms is a monument to the Anasazi golden age.

The Anasazis faced a major challenge in the thirteenth and fourteenth centuries. The arid climate became even drier, and growing populations had to redouble their efforts to improve food production, building increasingly complex irrigation canals, dams, and terraced fields. A devastating drought from 1276 to 1293 (precisely dated by the aid of tree-ring analysis) resulted in repeated crop failures and eventual famine. The ecological crisis was heightened by the arrival in the fourteenth century of Athapascan migrants, ancestors of the Navajos and the Apaches. Athapascans raided Anasazi farming communities, taking food, goods, and possibly slaves. (Indeed, the name “Anasazi” means “ancient enemies” in the Athapascan language.) Gradually Anasazi communities abandoned the Four Corners area altogether, most resettling along the Rio Grande, joining with local residents to form the Pueblo communities that were living there when the Spanish arrived.

Farmers of the Eastern Woodlands

Archaeologists date the beginning of the farming culture of eastern North America, known as Woodland culture, from the first appearances of pottery in the region about 3,000 years ago. Woodland culture was based on a sophisticated way of life that combined gathering and hunting with the cultivation of a few local crops. Sunflowers provided seeds and cooking oil. The presence of pipes in archaeological digs indicates that these farmers grew tobacco, which had spread north from the Caribbean, where it was first domesticated.

Woodland people began cultivating maize during the first millennium CE, but even before that they had begun to adopt an increasingly settled existence and a more complex social organization, evidenced by complex earthen constructions. Around 1000 BCE, at a place called Poverty Point in northeastern Louisiana, residents erected a remarkable series of concentric semicircular earthen mounds covering an area about a mile square.
Mound building was also a characteristic activity of the peoples living in the Ohio Valley during this period. The people of a culture known as Adena lived in semi permanent villages and constructed large burial mounds during the first millennium BCE. They were succeeded by a culture called Hopewell, which honored the dead with even larger and more elaborate burial mounds. Hopewell chiefs mobilized an elaborate trade network, acquiring obsidian from the Rocky Mountains, copper from the Great Lakes, mica from the Appalachians, and shells from the Gulf Coast. Hopewell artisans converted these materials into goods that played an important role in trade and were used to adorn the dead in their impressive graves.

Mississippian Society

The Hopewell culture collapsed in the fifth century CE, perhaps as a result of an ecological crisis brought on by shifting climate patterns. Over the next several centuries, however, a number of important technological innovations were introduced in the East. The bow and arrow, developed first on the Great Plains, appeared east of the Mississippi in about the seventh century, greatly increasing the efficiency of hunting. At about the same time maize farming spread widely through the East. Indian farmers developed a new variety (known today as Northern Flint) that matured in a short enough time to make it suitable for cultivation in temperate northern latitudes. A shift from digging sticks to flint hoes also took place about this time, further increasing the productive potential of maize farming.

On the basis of these innovations, a powerful new culture known as Mississippian arose in the seventh or eighth century CE. The peoples of Mississippian culture were master maize farmers living in permanent community sites along the floodplains of the Mississippi Valley. Cahokia was the largest and most spectacular, with its monumental temple mounds, its residential neighborhoods, and its surrounding farmlands. But there were dozens of other urban communities, each with thousands of residents. Archaeologists have excavated sites on the Arkansas River near Spiro, Oklahoma; on the Black Warrior River at Moundville, Alabama; at Hiwassee Island on the Tennessee River; and along the Etowah and Okmulgee Rivers in Georgia. The Great Serpent Mound, the largest effigy earthwork in the world, was constructed by Mississippian peoples in southern Ohio.

The Politics of Warfare and Violence

These centers, linked by the vast river transportation system of the Mississippi River and its many tributaries, became the earliest city-states north of Mexico, hierarchical chiefdoms that extended political control over the farmers of the surrounding countryside (see Map 1.2 for an illustration of trade networks). With continued population growth, these cities engaged in vigorous and probably violent competition for the limited space along the rivers. It may have been the need for more orderly ways of allocating territories that stimulated the evolution of political hierarchies. The tasks of preventing local conflict, storing large food surpluses, and redistributing foodstuffs from farmers to artisans and elites required a leadership class with the power to command. Mound building and the use of tribute labor in the construction of other public works testified to the power of chiefs, who lived in sumptuous quarters atop the mounds. The excavation of one mound at Cahokia uncovered the burial chamber of a chief who was accompanied in death by the bodies of dozens of young men and women, undoubtedly the victims of sacrifice.
Mississippian culture reached its height between the eleventh and thirteenth centuries CE, the same period in which the Anasazi culture constructed its desert cities. Both groups adapted to their own environment the technology that was spreading northward from Mexico. Both developed impressive artistic traditions, and their feats of engineering reflect the beginnings of science and technology. They were complex societies characterized by urbanism, social stratification, craft specialization, and regional trade—except for the absence of a writing system, all the traits of European civilization.

Warfare among Indian peoples certainly predated the colonial era. Organized violence was probably rare among hunting bands, which could seldom manage more than a small raid against an enemy. Certain hunting peoples, though, such as the southward-moving Athapascans, must have engaged in systematic raiding of settled farming communities. Warfare was also common among farming confederacies fighting to gain additional lands for cultivation. The first Europeans to arrive in the southeastern part of the continent described highly organized combat among large tribal armies. The bow and arrow was a deadly weapon of war, and the practice of scalping seems to have originated among warring tribes who believed one could capture a warrior’s spirit by taking his scalp lock.

The archaeological remains of Cahokia reveal that during the thirteenth and fourteenth centuries the residents enclosed the central sections of their city with a heavy log stockade. There must have been a great deal of violent warfare with other nearby communities. Also during this period, numerous towns were formed throughout the river valleys of the Mississippi, each based on the domination of farming countrysides by metropolitan centers. Eventually conditions in the upper Mississippi Valley deteriorated so badly that Cahokia and many other sites were abandoned altogether, and as the cities collapsed, people relocated in smaller, decentralized communities. Among the peoples of the South, however, Mississippian patterns continued into the period of colonization.

Cultural Regions of North America on the Eve of Colonization

An appreciation of the ways human cultures adapted to geography and climate is fundamental to an understanding of American history, for just as regions shaped the development of Indian cultures in the centuries before the arrival of Europeans, so they continued to influence the character of American life in the centuries thereafter.

In order to understand the impact of regions on Indian cultures, anthropologists divide North America into several distinct “culture areas” within which groups shared a significant number of cultural traits: Arctic, Subarctic, Great Basin, Great Plains, California, Northwest, Plateau, Southwest, South, and Northeast.

The Population of Indian America

In determining the precolonial population of the Americas, historical demographers consider a number of factors: the population densities that different technological and economic systems could support, the archaeological evidence, the very earliest European accounts, and the estimated impact of epidemic diseases. Determining the size of early human population is a tricky business, and estimates vary greatly, but there seems to be general agreement among historical demographers that the population of the North American continent (excluding Mesoamerica) numbered between 5 and 10 million at the time of the first European voyages of discovery. Millions more lived in the complex societies of Mexico and Central America (estimates run from 5 to 25 million). The population of the Western Hemisphere as a whole may
have numbered 50 million or more, the same order of magnitude as Europe's population at the time.

Demographers may disagree about numbers but agree that population varied tremendously by cultural region (see Map 1.2). Although the cultural regions of the Arctic, Subarctic, Great Basin, and Great Plains made up more than half the physical space of the continent, they were inhabited by only a small fraction of the native population. Those regions were home to scattered bands who continued to practice the Archaic economy. Hunting and gathering continued in California as well, although the population there grew large and dense because of the region's natural abundance. In the Pacific Northwest, the strip of coast running 2,000 miles from northern California to southern Alaska, abundant salmon fisheries supported large populations concentrated in permanent villages. The people of the Plateau also made their living by fishing, although their communities were not as large or as concentrated.

The largest populations of the continent were concentrated in the farming regions of the Southwest, South, and Northeast. These were the areas in which European explorers, conquerors, and colonists concentrated their first efforts, and they deserve more detailed examination (see Map 1.3).

The Southwest

The single overwhelming fact of life in the Southwest is aridity. Summer rains average only ten to twenty inches annually, and on much of the dry desert cultivation is impossible. A number of rivers, however, flow out of the pine-covered mountain plateaus. Flowing south to the Gulf of Mexico or the Gulf of California, these narrow bands of green winding through parched browns and reds have made possible irrigation farming along their courses.

On the eve of European colonization, Indian farmers in the Southwest had been cultivating their fields for nearly 3,000 years. In the floodplain of the Gila and Salt Rivers lived the Pimas and Tohono O’Odham, descendants of the ancient Hohokam culture, and along the Colorado River, even on the floor of the Grand Canyon, the Yuman peoples worked small irrigated fields. In their oasis communities, desert farmers cultivated corn, beans, squash, sunflowers, and cotton, which they traded throughout the Southwest. Often described as individualists, desert farmers lived in dispersed settlements that the Spanish called rancherias.

MAP 1.3 Population Density of Indian Societies in the Fifteenth Century

Based on what is called the "carrying capacity" of different subsistence strategies—the population density they could support—historical demographers have mapped the hypothetical population density of Indian societies in the fifteenth century, before the era of European colonization. Populations were densest in farming societies or in coastal areas with marine resources and sparsest in extreme environments like the Great Basin.
From the very beginning of Europeans’ contact with native American peoples, they depicted Indians as savages rather than as peoples with complex cultures. This woodcut by German artist Johann Froschauer was included in a 1505 German edition of Amerigo Vespucci’s account of his voyage to the New World in 1499, and is among the very first images of Native Americans published. The image is a complete fantasy, lacking any ethnographic authenticity. Indians gather for a feast on the beach. The caption in the original publication read, in part: “The people are naked, handsome, brown, well-shaped in body. . . . No one has anything, but all things are in common. And the men have as wives those who please them, be they mothers, sisters, or friends; therein they make no distinction. They also fight with each other; and they eat each other, even those who are slain, and hang the flesh of them in the smoke.” A cannibalized body is being devoured. A couple is kissing. Women display their breasts. The image sent a powerful message: that some of the strongest taboos of Europeans—nakedness, sexual promiscuity, and cannibalism—were practiced by the people of the New World. It is an unrelentingly negative picture. The arrival of European vessels in the background of the image suggests that all this was about to change. Images like these continued to dominate the depiction of Indians for the next 400 years, and were used as justifications for conquest.

- How are European stereotypes of savage people conveyed visually in this image?
their dwellings separated by as much as a mile. That way, say the Pimas, people avoid getting on each other's nerves. Rancherias were governed by councils of adult men whose decisions required unanimous consent, although a head-
man was chosen to manage the irrigation works.

East of the Grand Canyon lived the Pueblo peoples, named by the Spanish for their unique dwellings of stacked, interconnected apartments. Although speaking several languages, the Pueblos had a great deal in com-
mon, most notably their commitment to communal vil-
lage life. A strict communal code of behavior that regulated personal conduct was enforced by a maze of matrilineal clans and secret religious societies; unique combinations of these clans and societies formed the gov-
erning systems of different Pueblo villages. Seasonal public ceremonies in the village squares included singing and chanting, dancing, colorful impersonations of the ancestral spirits called kach
i
nas, and the comic antics of clowns who mocked in slapstick style those who did not conform to the communal ideal (pretending to drink urine or eat dirt, for example, in front of the home of a person who kept an unclean house).

The Athapascans, more recent immigrants to the Southwest, also lived in the arid deserts and mountains. They hunted and foraged, traded meat and medicinal herbs with farmers, and often raided and plundered these same villages and rancherias. One group of Athapascans, the Apaches, continued to maintain their nomadic ways. But another group, known as the Navajos, gradually adopted the farming and handicraft skills of their Pueblo neighbors.

The South enjoys a mild, moist climate with short winter
ners and long summers, ideal for farming. From the Atlantic and Gulf Coasts, a broad fertile plain extends inland to the Piedmont, a plateau separating the coastal plains from the Appalachian Mountains. The upper courses of the waterways originating in the Appalachian highlands offered ample rich bottom land for farming. The extensive forests, mostly of yellow pine, offered abundant animal resources. In the sixteenth century, large populations of Indian peoples farmed this rich land, fishing or hunting local fauna to supplement their diets. They lived in communities ranging from villages of twenty or so dwellings to large towns of a thousand or more inhabitants (see Map 1.4).
Mississippian cultural patterns continued among many of the peoples of the South. Along the waterways, many farming towns were organized into chiefdoms. Because most of these groups were decimated by disease in the first years of colonization, they are poorly documented. Archaeologists have excavated sites on the east bank of the Mississippi, in what is now Arkansas, inhabited by the Caddo people. The evidence suggests that in the fifteenth century they lived in complex ranked communities, built monumental temple mounds, and counted a population of more than 200,000. There is historical evidence about the Natchez, who survived into the eighteenth century before being defeated and dispersed in a war with the French. They too lived on the Mississippi, on the opposite bank from the Caddos, where they farmed the rich floodplains. The Natchez were also a ranked society, with a small group of nobility ruling over the majority. Persistent territorial conflict with other confederacies elevated warriors to an honored status. Public torture and human sacrifice of enemies were common. The Natchez give us our best glimpse of what life would have been like in the community of Cahokia.

These chiefdoms were rather unstable. Under the pressure of climate change, population growth, and warfare, many were weakened and others collapsed. As a result, thousands of people left behind the grand mounds
and earthworks and migrated to the woodlands and hill country, where they took up hunting and foraging, returning to the tried and true methods of “forest efficiency.” They formed communities and banded together in confederacies, which were less centralized and more egalitarian than the Mississippian chiefdoms and would prove considerably more resilient to conquest.

Among the most prominent of these new ethnic groups were a people in present-day Mississippi and Alabama who came to be known as the Choctaws. Another group in western Tennessee became known as the Chickasaws, and another people in Georgia later became known as the Creeks. On the mountain plateaus lived the Cherokees, the single largest confederacy, which included more than sixty towns. For these groups, farming was somewhat less important, hunting somewhat more so. There were no ruling classes or kings, and leaders included women as well as men. Women controlled household and village life and were influential in the matrilineal clans that linked communities together. Councils of elderly men governed the confederacies but were joined by clan matrons for annual meetings at the central council house.

The peoples of the South celebrated a common round of agricultural festivals that brought clans together from surrounding communities. At the harvest festival, for example, people cleaned their homes and villages. They fasted and purified themselves by consuming the “black drink,” which induced visions. They extinguished the old fires and lit new ones, then celebrated the new crop of sweet corn with dancing and other festivities. During the days that followed, villages, clans, and groups of men and women competed in the ancient stick-and-ball game that the French named *lacrosse*; in the evenings men and women played *chunkey*, a gambling game.

“*The New Queen Being Taken to the King,*” an engraving copied from a drawing by Jacques LeMoyne, an early French colonist of Florida, and published by the German Theodor de Bry in 1591. The communities of Florida were hierarchical, with classes and hereditary chiefs, some of whom were women. Here, LeMoyne depicted a “queen” being carried on an ornamental litter by men of rank.

**SOURCE:** Neg. No. 324281, Photographed by Rota, Engraving by DeBry. American Museum of Natural History Library.
CHAPTER 1  A Continent of Villages to 1500

The Northeast

The Northeast, the colder sector of the eastern woodlands, has a varied geography of coastal plains and mountain highlands, great rivers, lakes, and valleys. In the first millennium CE, farming became the main support of the Indian economy in those places where the growing season was long enough to bring a crop of corn to maturity. In such areas of the Northeast, along the coasts and in the river valleys, Indian populations were large and dense (see Map 1.4).

The Iroquois of present-day Ontario and upstate New York have lived in the Northeast for at least 4,500 years and were among the first northeastern peoples to adopt cultivation. Iroquois women produced crops of corn, beans, squash, and sunflowers sufficient to support up to fifty longhouses, each occupied by a large matrilineal extended family. Some of those houses were truly long; archaeologists have excavated the foundations of some that extended 400 feet and would have housed dozens of families. Typically, these villages were surrounded by substantial wooden walls or palisades, clear evidence of conflict and warfare.

Population growth and the resulting intensification of farming in Iroquoia stimulated the development of chiefdoms there as it did elsewhere. By the eleventh century, several centers of population, each in a separate watershed, had coalesced from east to west across upstate New York. These were the five Iroquois chiefdoms or nations: the Mohawks, Oneidas, Onondagas, Cayugas, and Senecas. Oral histories collected from Iroquois speakers during the nineteenth century remember this as an era of persistent violence, possibly the consequence of conflicts over territory.

To control this violence, the five nations established a confederacy. According to Iroquois oral history, Chief Dekanawida, speaking through the great orator Hiawatha, convinced the five nations to agree to prohibit warfare with each other, replacing revenge with payment and gift exchange. Iroquois legend refers to Dekanawida “blocking out the sun” as a demonstration of his powers. From this bit of evidence, an astronomer and a historian have recently suggested that the founding might have taken place during the full solar eclipse that took place in the Northeast in 1142 CE. The Iroquois called their confederacy Haudenosaunee, meaning “people of the longhouse.” Each nation, they said, occupied a separate hearth but acknowledged a common mother. As in the longhouse, women played important roles in the confederacy, choosing male leaders who would represent their lineages and chiefdom on the Iroquois council. The confederacy suppressed violence among its members but did not hesitate to encourage war against neighboring Iroquoian speakers, such as the Hurons or the Eries, who constructed defensive confederacies of their own at about the same time.

The other major language group of the Northeast was Algonquian, whose speakers divided among at least fifty distinct cultures. The Algonquian peoples north of the Great Lakes and in northern New England were hunters and foragers, organized into bands with loose ethnic affiliations. Several of these peoples, including the Mi’kmaq, Crees, Montagnais, and Ojibwas (also known as the Chippewas), were the first to become involved in the fur trade with European newcomers. Among the Algonquians of the Atlantic coast from present-day Massachusetts south to Virginia, as well as among those in the Ohio Valley, farming led to the development of settlements as densely populated as those of the Iroquois.

In contrast to the Iroquois, most Algonquian peoples were patrilineal. In general, they lived in less extensive dwellings and in smaller villages, often without palisade fortifications. Although Algonquian communities were relatively autonomous, they began to form confederacies during the fifteenth and sixteenth centuries. Among these groupings were those of the Massachusetts, Narragansetts, and Pequots of New England; the peoples of the Delaware Valley and Chesapeake Bay on the mid-Atlantic coast; and the Shawnees, Miamis, Kickapoos, and Potawatomis of the Ohio Valley.

This Hiawatha wampum belt of the Haudenosaunee or Iroquois Five Nation Confederacy is exquisitely constructed of nearly 7,000 purple and white drilled shell beads, woven together with buckskin thongs and hemp thread. It is a ceremonial artifact, a symbol of the unity of the five Iroquois nations. With the central tree or heart pointed up, the first two squares on the right represent the Mohawk and Oneida, the tree stands for the Onondaga, where the council met, and the third and fourth squares stand for the Cayuga and Seneca nations. The belt itself dates from the early eighteenth century, but the design is thought to have originated with the confederacy itself, perhaps in the twelfth century CE.
Conclusion

Over the thousands of years that elapsed between the initial settlement of North America and the arrival of Europeans at the end of the fifteenth century, Indian peoples developed dozens of distinctive cultures, each fine-tuned to the geographic and climatic possibilities and limitations of their environments. In the northern forests they hunted game and perfected the art of processing furs and hides. Along the coasts and rivers they harvested the abundant runs of fish and learned to navigate the waters with sleek and graceful boats. In the arid Southwest they mastered irrigation farming and made the deserts bloom, while in the humid Southeast they mastered the large-scale production of crops that sustained large cities with sophisticated political systems. The ruins of the ancient city of Cahokia provide dramatic evidence that North America was not the “virgin” continent Europeans proclaimed it to be. Indians had transformed the natural world, making it into a human landscape.

“Columbus did not discover a new world,” writes historian J. H. Perry, “he established contact between two

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This deerskin cape, embroidered with shells by an Indian craftsman, is thought to be the chief’s mantle that Powhatan, leader of a confederacy of Algonquian villages in the Chesapeake region, gave to an English captain as part of an exchange of presents in 1608. The animal effigies are suggestive of the complex of religious beliefs centering on the relationship of hunters to their prey.


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CHRONOLOGY

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>30,000 BCE</td>
<td>First humans populate Beringia</td>
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<tr>
<td>13,000 BCE</td>
<td>Global warming trend begins</td>
</tr>
<tr>
<td>12,500 BCE</td>
<td>Monte Verde site in southern Chile flourishes</td>
</tr>
<tr>
<td>10,000 BCE</td>
<td>Clovis technology</td>
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<tr>
<td>9000 BCE</td>
<td>Extinction of big-game animals</td>
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<tr>
<td>8000 BCE</td>
<td>Beginning of the Archaic period</td>
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<tr>
<td>7000 BCE</td>
<td>First cultivation of plants in the Mexican highlands</td>
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<td>5000 BCE</td>
<td>Athapascan migration to America begins</td>
</tr>
<tr>
<td>4000 BCE</td>
<td>First settled communities along the Pacific coast</td>
</tr>
<tr>
<td>3000 BCE</td>
<td>Inuit, Yupik, and Aleut migrations begin</td>
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<tr>
<td>1500–1000 BCE</td>
<td>Maize and other Mexican crops introduced into the Southwest</td>
</tr>
<tr>
<td>1000 BCE</td>
<td>First urban communities in Mexico</td>
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<tr>
<td>200 BCE – 400 CE</td>
<td>Hopewell culture flourishes</td>
</tr>
<tr>
<td>650</td>
<td>Bow and arrow, flint hoes, and Northern Flint corn in the Northeast</td>
</tr>
<tr>
<td>775–1150</td>
<td>Hohokam culture flourishes</td>
</tr>
<tr>
<td>1000</td>
<td>Tobacco in use throughout North America</td>
</tr>
<tr>
<td>1142</td>
<td>Founding of Haudenosaunee Confederacy</td>
</tr>
<tr>
<td>1150</td>
<td>Founding of Hopi village of Oraibi, oldest continuously occupied town in the United States</td>
</tr>
<tr>
<td>1200</td>
<td>High point of Mississippian and Anasazi cultures</td>
</tr>
<tr>
<td>1276</td>
<td>Severe drought begins in the Southwest</td>
</tr>
<tr>
<td>1300</td>
<td>Arrival of Athapascans in the Southwest</td>
</tr>
</tbody>
</table>
One vast winter count: The native American West before Lewis and Clark (2003). A masterful synthesis that emphasizes the continuities between the precolonial and colonial history of North America.

Tom D. Dillehay, The Settling of the Americas: A New Prehistory (2000). A summary of the most recent archaeological findings, suggesting a much earlier migration to the Americas. For the newest discoveries, see recent issues and websites of National Geographic and Scientific American.

Patricia Galloway, Chocouti Genesis, 1500–1700 (1995). A path-breaking work that uses both archaeological and written evidence to tie together the precolonial and colonial periods of a tribal people of the South.


Charles C. Mann, 1491: New Revelations of the Americas Before Columbus (2005). A popular and engaging journalistic account of the increasing recognition among historians “that the Western Hemisphere played a role in the human story just as interesting and important as that of the Eastern Hemisphere.”


Stephen Plog, Ancient Peoples of the American Southwest (1998). Covers the shift to agriculture with a focus on both the costs and the benefits. An accessible text with wonderful photographs.

Sheri Marie Shuck-Hall, Journey to the West: The Alabama and Coushatta Indians (2008). An ethnohistory of these Southern native peoples that connects ancient and modern history.


David Hurst Thomas, Skull Wars: Kennewick Man, Archaeology, and the Battle for Native American Identity (2000). A page-turner that details the controversy over the discovery of “Kennewick Man” and changing ideas about ancient North American history.

Recommended Reading

**Read and Review**

- **Study and Review** Chapter 1
- **Read the Document**
  - *Pima Creation Story*
  - *Dekanawida Myth & the Achievement of Iroquois Unity*
  - *Iroquois Creation Story*
  - *Ottawa Origins Story (recorded ca. 1720)*
  - *The Story of the Creation of the World, Told by a Zuñi Priest in 1885*
  - *Thomas Harriot, The Algonquian Peoples of the Atlantic Coast (1588)*
  - *José de Acosta, Speculations on the Origins of the Indians (1590)*
  - *History Bookshelf: Bartolome de las Casas, Brief Account of the Devastation of the Indies (1542)*
- **See the Map**
  - *The First Americans: Location of Major Indian Groups and Culture Areas in the 1600s*
  - *Pre-Columbian Societies of the Americas*

**Research and Explore**

- **Read the Document**
  - *Exploring America: America and the Horse*
  - *Whose History Is It?: Images of Indians*
  - **Profiles**
    - *Trickster*
    - *Hiawatha (Deganawida)*
  - **Hear the Audio**
    - *Ritual of the Maize*

**Hear the Audio**

Hear the audio files for Chapter 1 at www.myhistorylab.com.