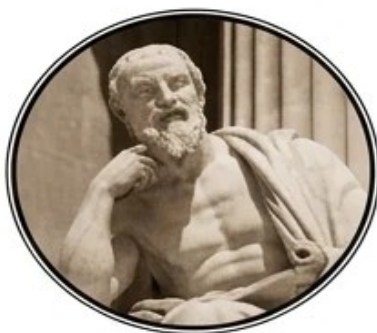




THE COMPLETE STORY OF CIVILIZATION



WILL
DURANT



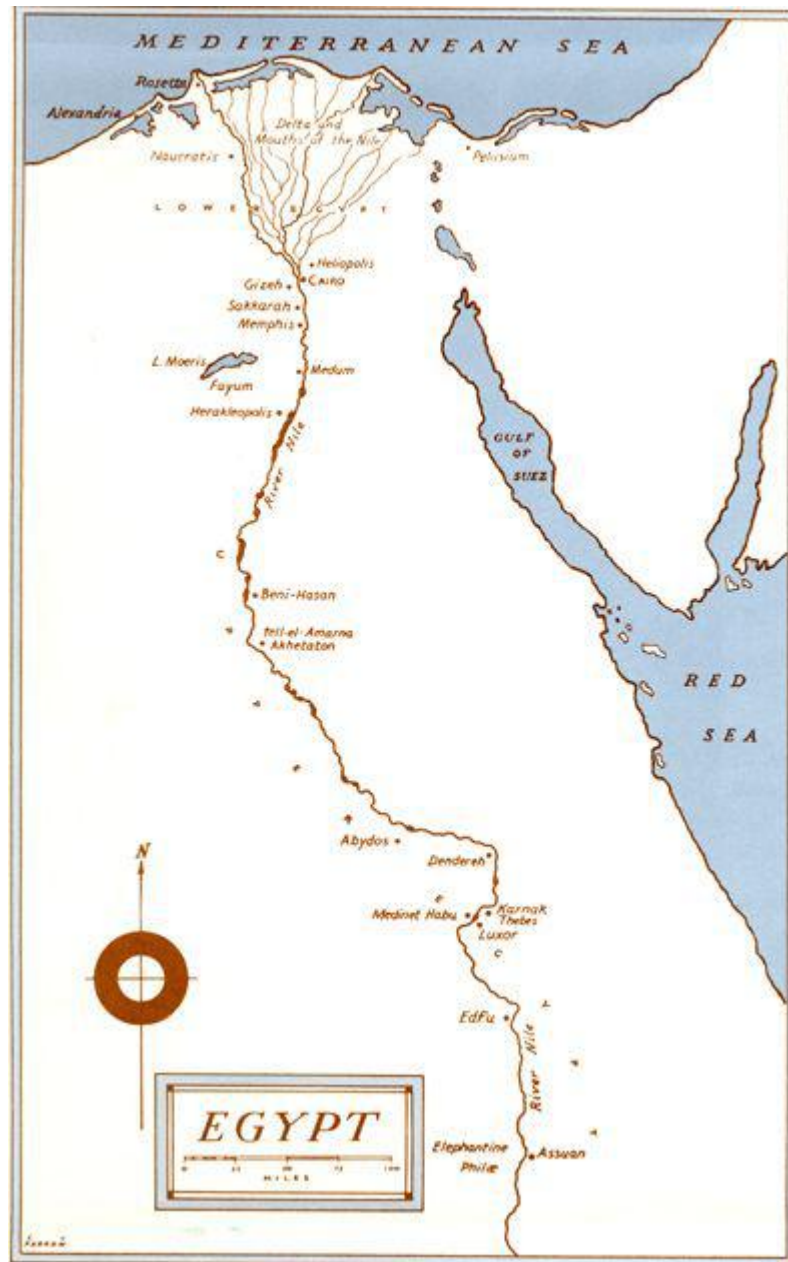
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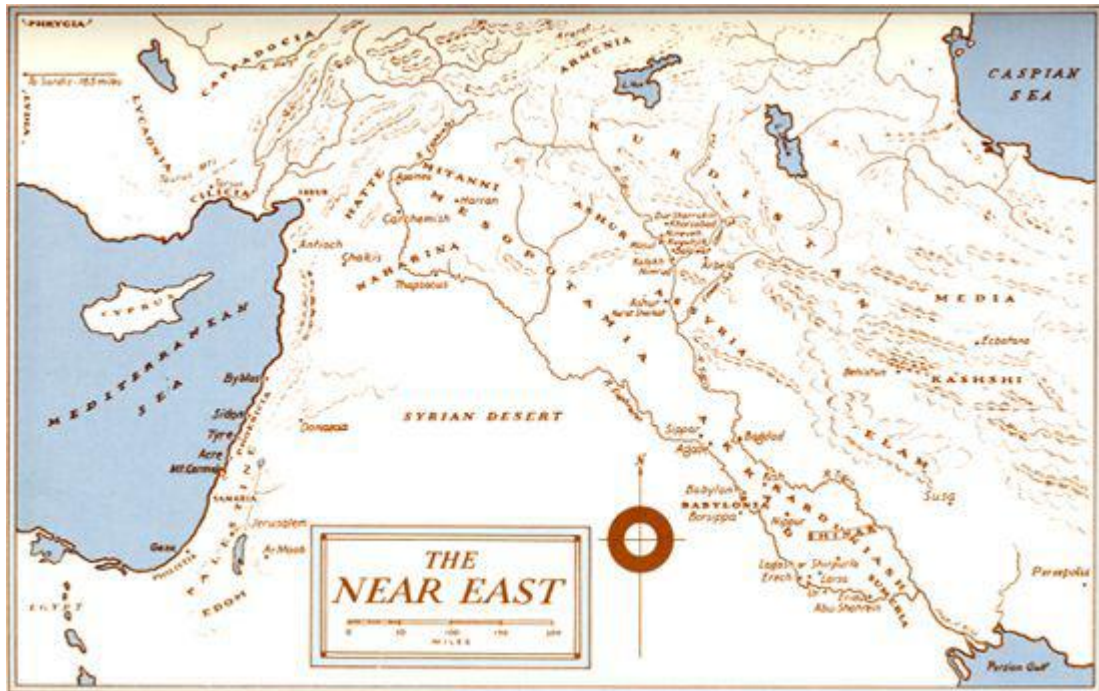
THE STORY OF CIVILIZATION

OUR ORIENTAL HERITAGE



WILL DURANT







BY WILL DURANT

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*Being a history of civilization in Egypt and the Near East
to the death of Alexander, and in India, China and Japan
from the beginning to our own day; with an introduction,
on the nature and foundations of civilization.*

By Will Durant



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TO ARIEL

Preface

I HAVE tried in this book to accomplish the first part of a pleasant assignment which I rashly laid upon myself some twenty years ago: to write a history of civilization. I wish to tell as much as I can, in as little space as I can, of the contributions that genius and labor have made to the cultural heritage of mankind—to chronicle and contemplate, in their causes, character and effects, the advances of invention, the varieties of economic organization, the experiments in government, the aspirations of religion, the mutations of morals and manners, the masterpieces of literature, the development of science, the wisdom of philosophy, and the achievements of art. I do not need to be told how absurd this enterprise is, nor how immodest is its very conception; for many years of effort have brought it to but a fifth of its completion, and have made it clear that no one mind, and no single lifetime, can adequately compass this task. Nevertheless I have dreamed that despite the many errors inevitable in this undertaking, it may be of some use to those upon whom the passion for philosophy has laid the compulsion to try to see things whole, to pursue perspective, unity and understanding through history in time, as well as to seek them through science in space.

I have long felt that our usual method of writing history in separate longitudinal sections—economic history, political history, religious history, the history of philosophy, the history of literature, the history of science, the history of music, the history of art—does injustice to the unity of human life; that history should be written collaterally as well as lineally, synthetically as well as analytically; and that the ideal historiography would seek to portray in each period the total complex of a nation's culture, institutions, adventures and ways. But the accumulation of knowledge has divided history, like science, into a thousand isolated specialties; and prudent scholars have refrained from attempting any view of the whole—whether of

the material universe, or of the living past of our race. For the probability of error increases with the scope of the undertaking, and any man who sells his soul to synthesis will be a tragic target for a myriad merry darts of specialist critique. "Consider," said Ptah-hotep five thousand years ago, "how thou mayest be opposed by an expert in council. It is foolish to speak on every kind of work."^{*} A history of civilization shares the presumptuousness of every philosophical enterprise: it offers the ridiculous spectacle of a fragment expounding the whole. Like philosophy, such a venture has no rational excuse, and is at best but a brave stupidity; but let us hope that, like philosophy, it will always lure some rash spirits into its fatal depths.

The plan of the series is to narrate the history of civilization in five independent parts:

- I. *Our Oriental Heritage*: a history of civilization in Egypt and the Near East to the death of Alexander, and in India, China and Japan to the present day; with an introduction on the nature and elements of civilization.
- II. *Our Classical Heritage*: a history of civilization in Greece and Rome, and of civilization in the Near East under Greek and Roman domination.
- III. *Our Medieval Heritage*: Catholic and feudal Europe, Byzantine civilization, Mohammedan and Judaic culture in Asia, Africa and Spain, and the Italian Renaissance.
- IV. *Our European Heritage*: the cultural history of the European states from the Protestant Reformation to the French Revolution.

V. *Our Modern Heritage*: the history of European invention and statesmanship, science and philosophy, religion and morals, literature and art from the accession of Napoleon to our own times.

Our story begins with the Orient, not merely because Asia was the scene of the oldest civilizations known to us, but because those civilizations formed the background and basis of that Greek and Roman culture which Sir Henry Maine mistakenly supposed to be the whole source of the modern mind. We shall be surprised to learn how much of our most indispensable inventions, our economic and political organization, our science and our literature, our philosophy and our religion, goes back to Egypt and the Orient,⁺ At this historic moment—when the ascendancy of Europe is so rapidly coming to an end, when Asia is swelling with resurrected life, and the theme of the twentieth century seems destined to be an all-embracing conflict between the East and the West—the provincialism of our traditional histories, which began with Greece and summed up Asia in a line, has become no merely academic error, but a possibly fatal failure of perspective and intelligence. The future faces into the Pacific, and understanding must follow it there.

But how shall an Occidental mind ever understand the Orient? Eight years of study and travel have only made this, too, more evident—that not even a lifetime of devoted scholarship would suffice to initiate a Western student into the subtle character and secret lore of the East. Every chapter, every paragraph in this book will offend or amuse some patriotic or esoteric soul: the orthodox Jew will need all his ancient patience to forgive the pages on Yahveh; the metaphysical Hindu will mourn this superficial scratching of Indian philosophy; and the Chinese or Japanese sage will smile indulgently at these brief and inadequate selections from the wealth of Far Eastern literature and thought. Some of the errors in the chapter on Judea have been corrected by Professor Harry Wolfson of Harvard; Dr. Ananda Coomaraswamy of the Boston Institute of Fine Arts has given the section on India a most painstaking revision, but must not be held responsible for the conclusions I have reached or the errors that remain; Professor H. H.

Gowen, the learned Orientalist of the University of Washington, and Upton Close, whose knowledge of the Orient seems inexhaustible, have checked the more flagrant mistakes in the chapters on China and Japan; and Mr. George Sokolsky has given to the pages on contemporary affairs in the Far East the benefit of his first-hand information. Should the public be indulgent enough to call for a second edition of this book, the opportunity will be taken to incorporate whatever further corrections may be suggested by critics, specialists and readers. Meanwhile a weary author may sympathize with Tai T'ung, who in the thirteenth century issued his *History of Chinese Writing* with these words: "Were I to await perfection, my book would never be finished."^{*}

Since these ear-minded times are not propitious for the popularity of expensive books on remote subjects of interest only to citizens of the world, it may be that the continuation of this series will be delayed by the prosaic necessities of economic life. But if the reception of this adventure in synthesis makes possible an uninterrupted devotion to the undertaking, Part Two should be ready by the fall of 1940, and its successors should appear, by the grace of health, at five-year intervals thereafter. Nothing would make me happier than to be freed, for this work, from every other literary enterprise. I shall proceed as rapidly as time and circumstance will permit, hoping that a few of my contemporaries will care to grow old with me while learning, and that these volumes may help some of our children to understand and enjoy the infinite riches of their inheritance.

WILL DURANT.

Great Neck, N. Y., March, 1935

A NOTE ON THE USE OF THIS BOOK

To bring the volume into smaller compass certain technical passages, which may prove difficult for the general reader, have been printed (like this paragraph) in reduced type. Despite much compression the book is still too long, and the font of reduced type has not sufficed to indicate all the dull passages. I trust that the reader will not attempt more than a chapter at a time.

Indented passages in reduced type are quotations. The raised numbers refer to the Notes at the end of the volume; to facilitate reference to these Notes the number of the chapter is given at the head of each page. An occasional hiatus in the numbering of the Notes was caused by abbreviating the printed text. The books referred to in the Notes are more fully described in the Bibliography, whose starred titles may serve as a guide to further reading. The Glossary defines all foreign words used in the text. The Index pronounces foreign names, and gives biographical dates.

It should be added that this book has no relation to, and makes no use of, a biographical *Story of Civilization* prepared for newspaper publication in 1927-28.

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Leonard, W. E., *Gilgamesh*; the Viking Press.

Giles, H. A., *A History of Chinese Literature*; D. Appleton-Century Co.

Underwood, Edna Worthley, *Tu Fu*; the Mosher Press.

Waley, Arthur, *170 Chinese Poems*; Alfred A. Knopf.

Breasted, Jas. H., *The Development of Religion and Thought in Ancient Egypt*; Scribner's.

Obata, Shigeyoshi, *Works of Li Po*; E. P. Dutton.

Tietjens, Eunice, *Poetry of the Orient*; Alfred A. Knopf.

Van Doren, Mark, *Anthology of World Poetry*; the Literary Guild.

"Upton Close," unpublished translations of Chinese poems.

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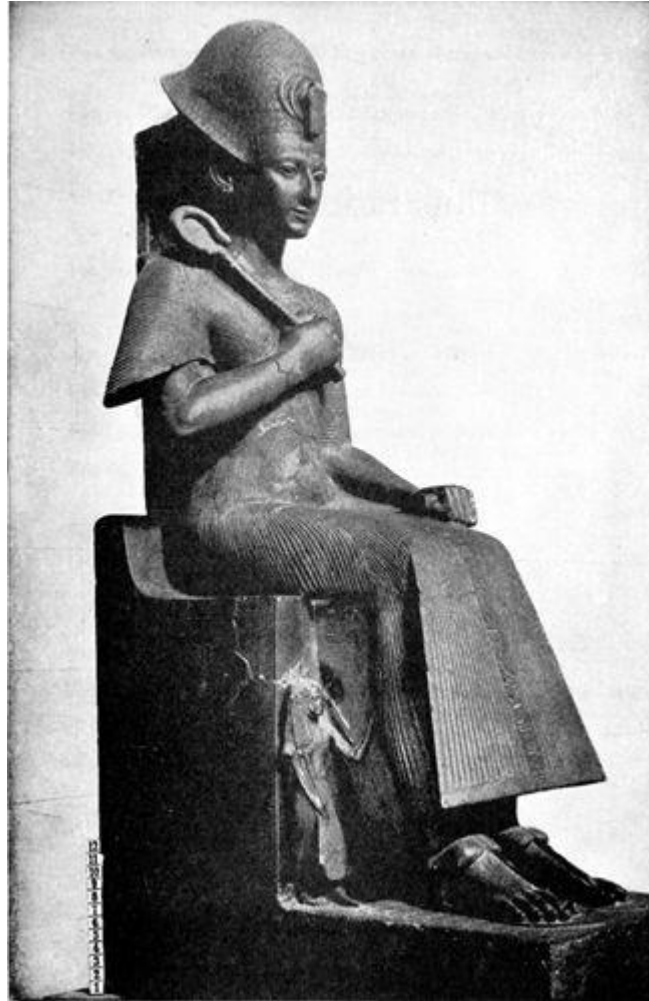


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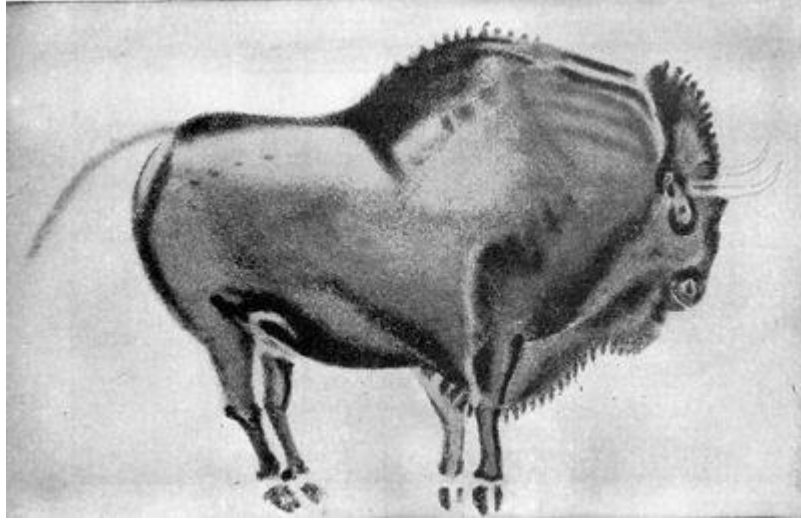


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A		Δ	⋈	Α Α
B		Β Β	Ϟ	Β
G			1	Γ Γ
D			Δ	Δ
E		Ε Ε	Ϛ ϛ	Ε Ε
F(W)			Υ	
Z	Υ		Ζ	
H		Θ	Η	Θ
TH			⊗	⊗
I		Ι	Ζ	Ι
K			ϙ	Κ
L		Λ	ϛ	Λ
M		Μ	Ϝ	Μ
N		Ν	ϝ	Ν Ν
X(SH)			Ϟ	Ξ
O		ο ο ο	Ο	Ο Ο
P		ρ	7	Ρ
S			ϛ	
Q		Q	ϙ	
R			ϙ	Ρ Δ
S		Σ Σ	W	Σ Σ Σ
T		T	X	T
Ü				Υ
P-H				
KH				Χ
PS				Ψ Ψ
ō				Ω

FIG. 4—*Development of the alphabet*



FIG. 5—*Stele of Naram-sin*
Louvre; photo by Archives Photographiques d'Art et d'Histoire
(See [page 122](#))



FIG. 6—*The “little” Gudea*
Louvre; photo by Metropolitan Museum of Art
(See [page 122](#))



FIG. 7—*Temple of Der-el-Bahri*

Photo by Lindsley F. Hall

(See [page 154](#))

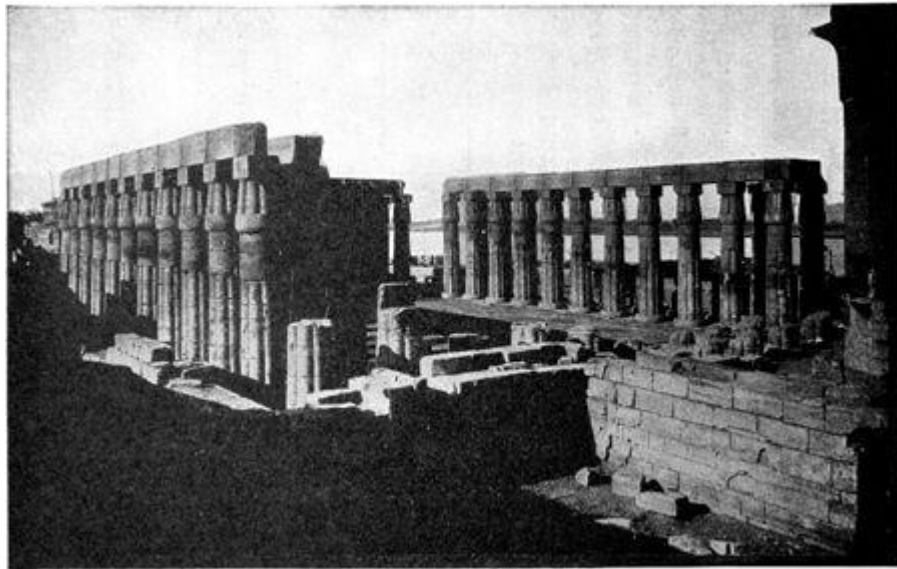


FIG. 8—*Colonnade and court of the temple at Luxor*

Photo by Metropolitan Museum of Art

(See [page 142](#))



FIG. 9—*Hypothetical reconstruction of the Hypostyle Hall at Karnak*
From a model in the Metropolitan Museum of Art



FIG. 10—*Colonnade of the Hypostyle Hall at Karnak*
Underwood & Underwood
(See [page 143](#))

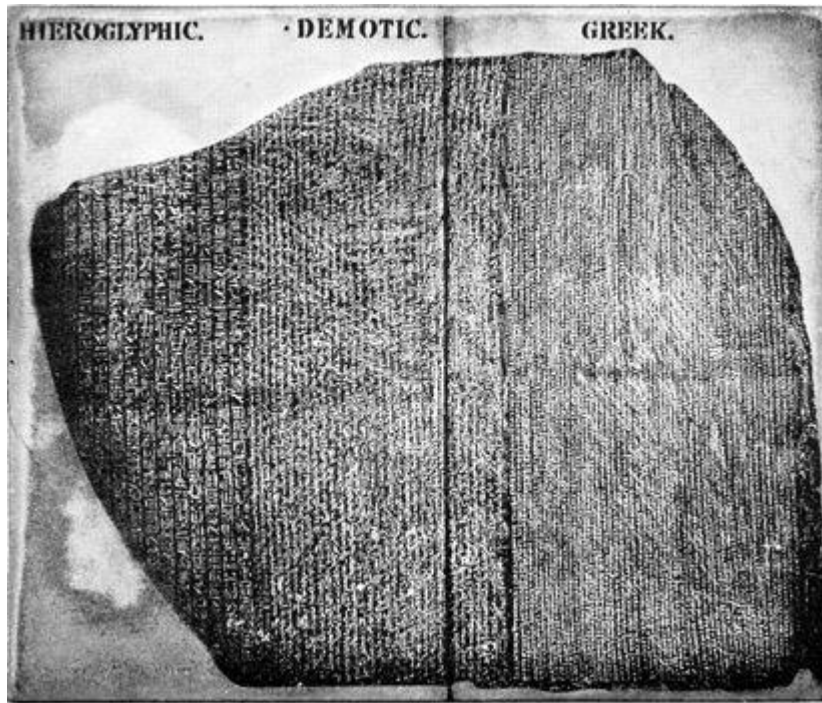


FIG. 11—*The Rosetta Stone*
British Museum
(See [page 145](#))



FIG. 12—*Diorite head of the Pharaoh Khafre*
Cairo Museum; photo by Metropolitan Museum of Art
(See [pages 148, 186](#))

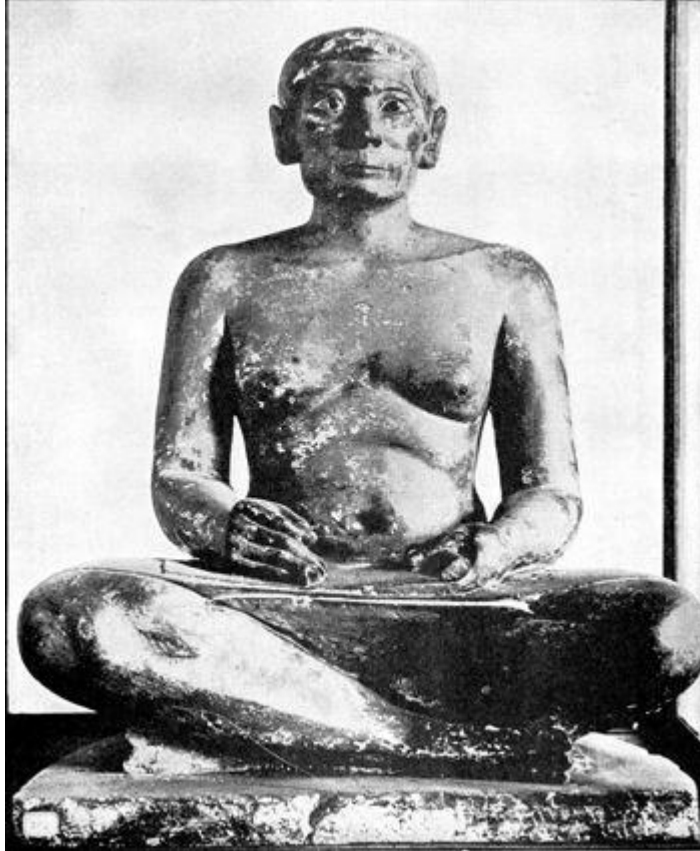


FIG. 13—*The seated Scribe*
Louvre; photo by Metropolitan Museum of Art
(See [pages 161, 186](#))



FIG. 14—*Wooden figure of the “Sheik-el-Beled”*
Cairo Museum; photo by Metropolitan Museum of Art
(See [pages 168, 186](#))



FIG. 15—*Sandstone head from the workshop of the sculptor Thutmose at Amarna*

State Museum, Berlin; photo by Metropolitan Museum of Art



FIG. 16—*Head of a king, probably Senusret III*

Metropolitan Museum of Art



FIG. 17—*The royal falcon and serpent. Limestone relief from First Dynasty*

Louvre; photo by Metropolitan Museum of Art

(See [pages 184-190](#))



FIG. 18—*Head of Thutmose III*
Cairo Museum; photo by Metropolitan Museum of Art



FIG. 19—*Rameses II presenting an offering*
Cairo Museum; photo by Metropolitan Museum of Art



FIG. 20—*Bronze figure of the Lady Tekoschet*
Athens Museum; photo by Metropolitan Museum of Art
(See [pages 188-9](#))



FIG. 21—*Seated figure of Montumihait*
State Museum, Berlin



FIG. 22—*Colossi of Rameses II, with life-size figures of Queen Nofretete*
at his feet, at the cave temple of Abu Simbel

Ewing Galloway, N. Y.
(See [page 188](#))



FIG. 23—*The dancing girl Design on an ostracon*
Turin Museum, Italy
(See [page 191](#))



FIG. 24—*Cat watching his prey. A wall-painting in the grave of*
Khnumhotep at Beni-Hasan
Copy by Howard Carter; courtesy of Egypt Exploration Society
(See [page 190](#))



FIG. 25—*Chair of Tutenkhamon*
Cairo Museum; photo by Metropolitan Museum of Art
(See [page 191](#))



FIG. 26—*Painted limestone head of Ikhnaton's Queen Nofretete*
Metropolitan Museum of Art facsimile of original in State Museum,
Berlin
(See [page 188](#))

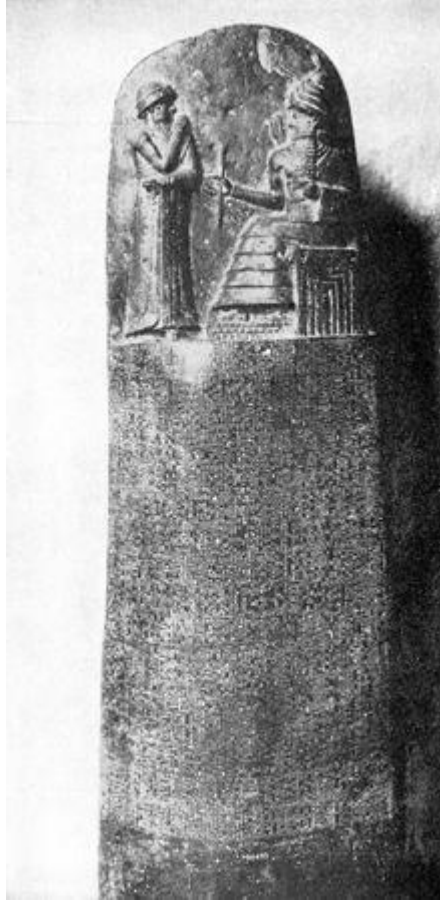


FIG. 27—*The god Shamash transmits a code of laws to Hammurabi*
Louvre; photo copyright W. A. Mansell & Co., London
(See [page 219](#))



FIG. 28—*The “Lion of Babylon” Painted tile-relief*
State Museum, Berlin; Courtesy of the Metropolitan Museum of Art

(See [pages 254-5](#))



FIG. 29—*Head of Esarhaddon*

State Museum, Berlin

(See [page 281](#))

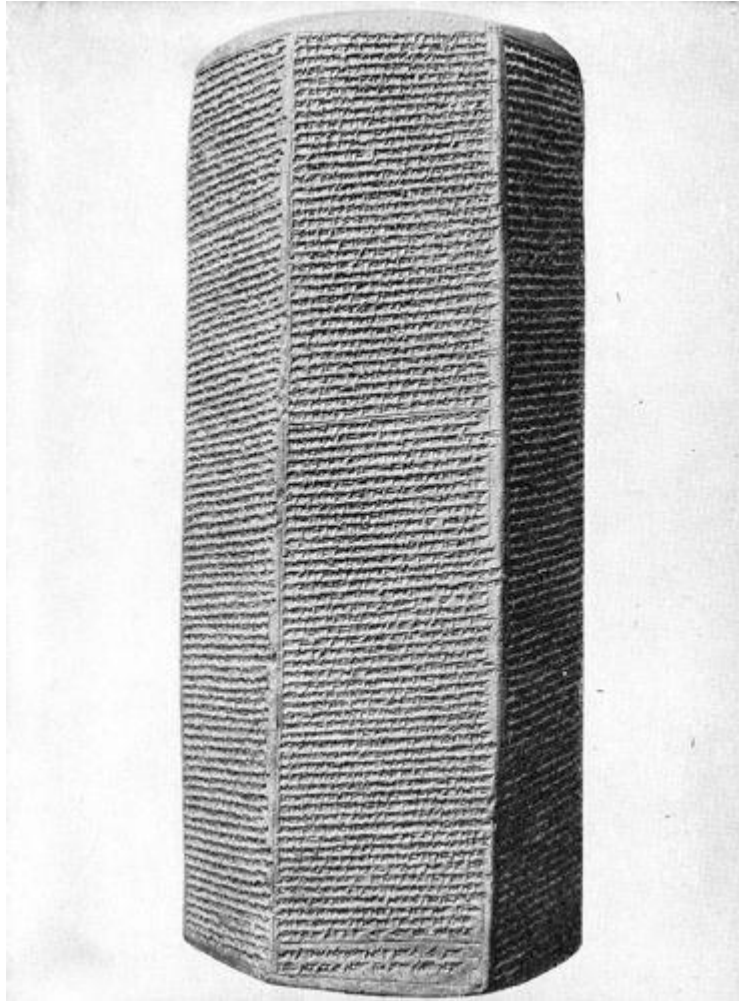


FIG. 30—*The Prism of Sennacherib*
Iraq Museum; courtesy of the Oriental Institute, University of Chicago
(See [Chapter X](#))

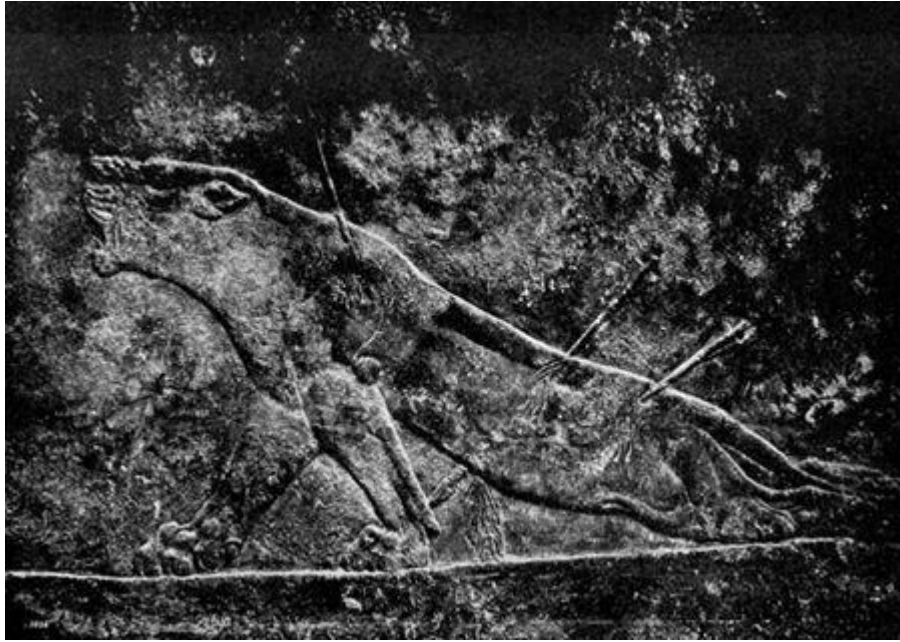


FIG. 31—*The Dying Lioness of Nineveh*
British Museum; photo by Metropolitan Museum of Art
(See [page 279](#))



FIG. 32—*The Lion Hunt; relief on alabaster, from Nineveh*
British Museum; Metropolitan Museum of Art
(See [page 279](#))



FIG. 33—Assyrian relief of Marduk fighting Tiamat, from Kalakh
British Museum; photo copyright by W. A. Mansell, London
(See [page 278](#))



FIG. 34—*Winged Bull from the palace of Ashurnasirpal II at Kalakh*
Metropolitan Museum of Art
(See [page 279](#))



FIG. 35—*A street in Jerusalem*

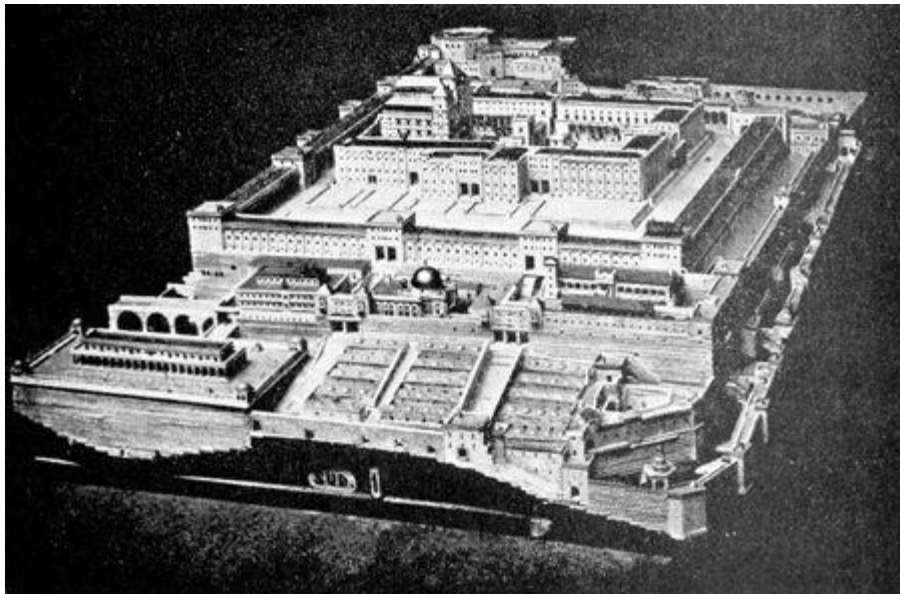


FIG. 36—*Hypothetical restoration of Solomon's Temple*
Underwood & Underwood

(See [page 307](#))



FIG. 37—*The ruins of Persepolis*

Courtesy of the Oriental Institute, University of Chicago

(See [page 379](#))



FIG. 38—*“Frieze of the Archers” Painted tile-relief from Susa*
Louvre; photo by Archives Photographiques d’Art et d’Histoire

(See [page 380](#))



FIG. 39—*Burning Ghat at Calcutta*
Bronson de Cou, from Ewing Galloway, N. Y.
(See [page 521](#))



FIG. 40—*“Holy Men” at Benares*

(See [page 521](#))



FIG. 41—A *fresco at Ajanta*
(See [pages 589-90](#))



FIG. 42—*Mogul painting of Durbar of Akbar at Akbarabad. Ca. 1620*

Boston Museum of Fine Arts

(See [page 591](#))



FIG. 43—*Torso of a youth, from Sanchi*
Victoria and Albert Museum, London
(See [pages 593-6](#))



FIG. 44—*Seated statue of Brahma, 10th century*
Metropolitan Museum of Art



FIG. 45—*The Buddha of Sarnath, 5th century*

Photo by A. K. Coomaraswamy



FIG. 46—*The Naga-King. Façade relief on Ajanta Cave-temple XIX*

Courtesy of A. K. Coomaraswamy

(See [pages 593-6](#))



FIG. 47—*The Dancing Shiva. South India, 17th century*
Minneapolis Institute of Arts
(See [page 594](#))



FIG. 48—*The Three-faced Shiva, or Trimurti, Elephanta*
Underwood & Underwood
(See [page 594](#))

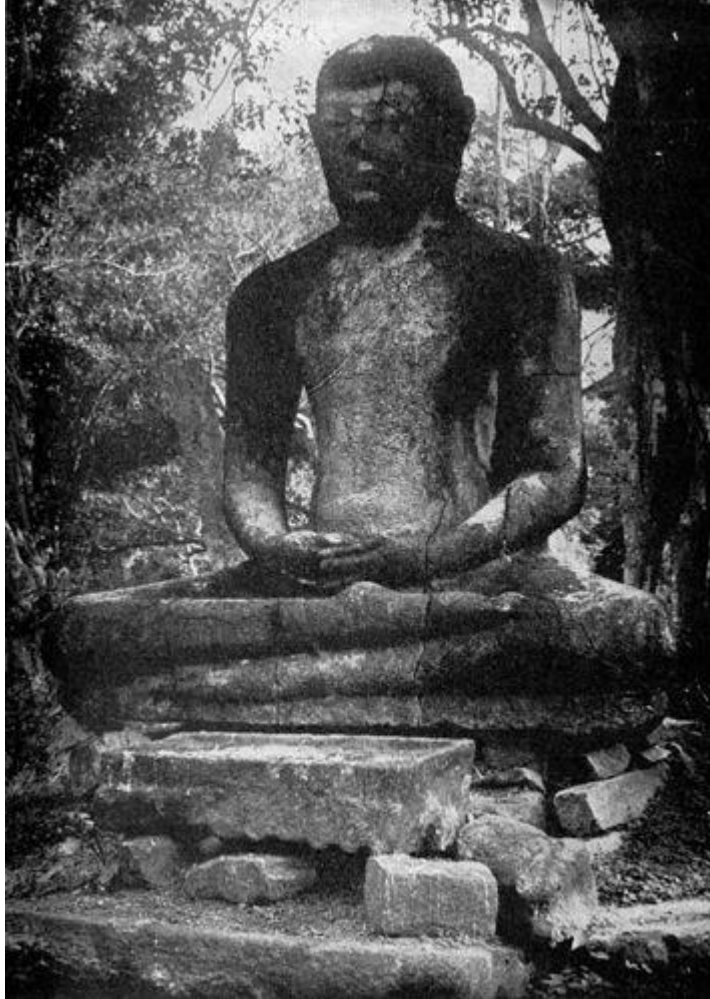


FIG. 49—*The Buddha of Anuradhapura, Ceylon*
Ewing Galloway, N. Y.
(See [page 595](#))



FIG. 50—*Lion capital of Ashoka column*
Sarnath Museum, Benares; copyright Archaeological Survey of India
(See [page 596](#))

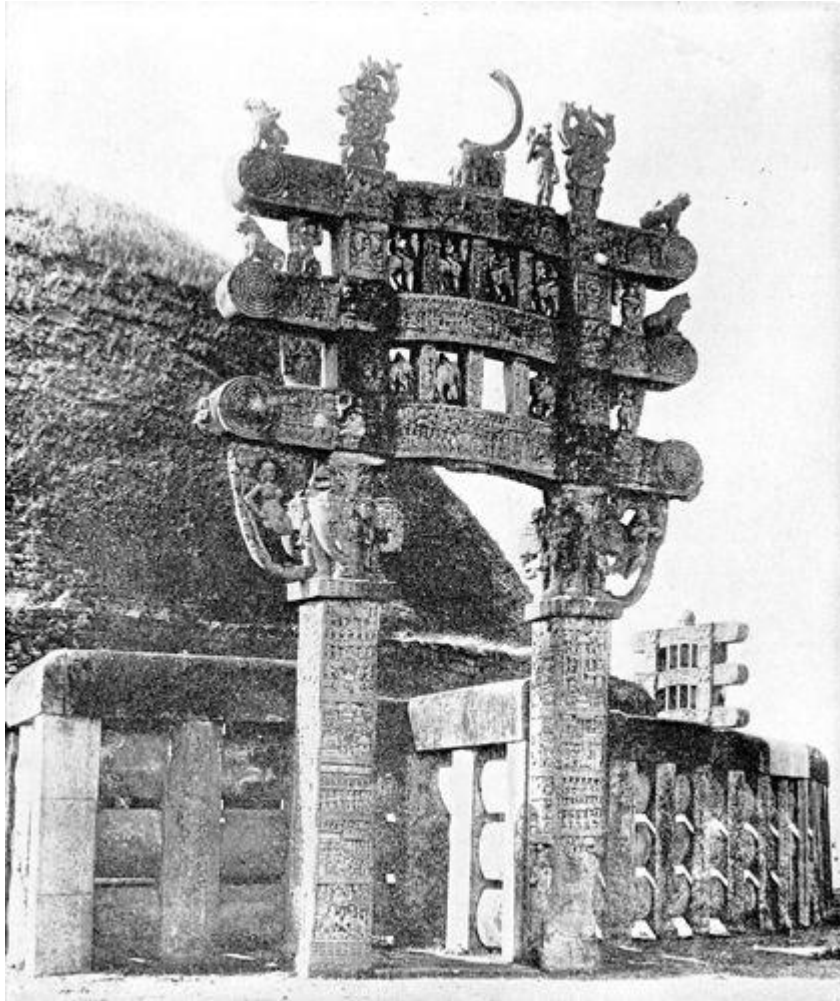


FIG. 51—*Sanchi Tope, north gate*
Underwood & Underwood
(See [page 597](#))



FIG. 52—*Façade of the Gautami-Putra Monastery at Nasik*
India Office, London
(See [page 597](#))



FIG. 53—*Chaitya hall interior, Cave XXVI, Ajanta.*
(See [page 598](#))

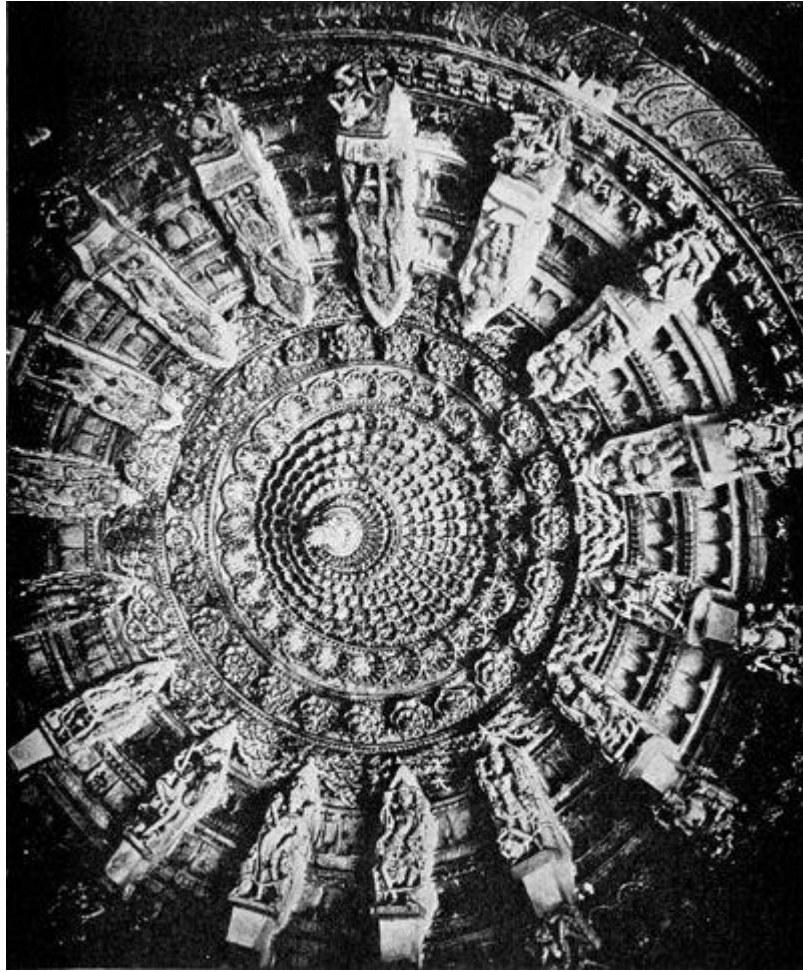


FIG. 54—*Interior of dome of the Tejahpala Temple at Mt. Abu*
Johnston & Hoffman, Calcutta
(See [page 598](#))

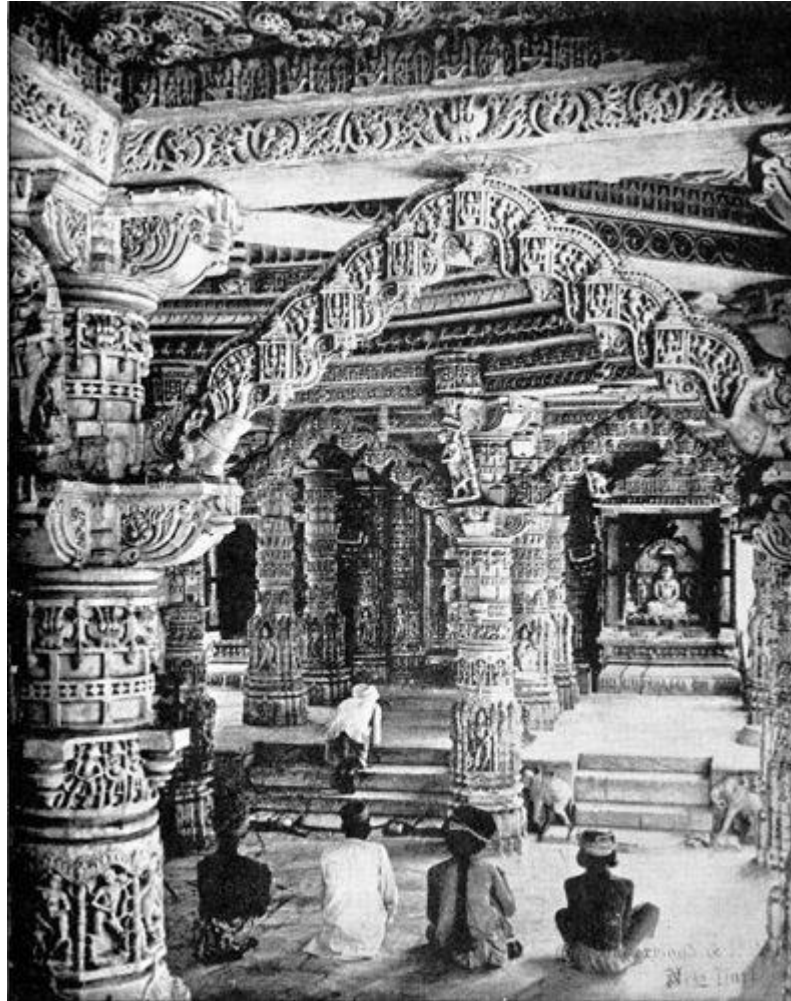


FIG. 55—*Temple of Vimala Sah at Mt. Abu*
Underwood & Underwood
(See [page 598](#))

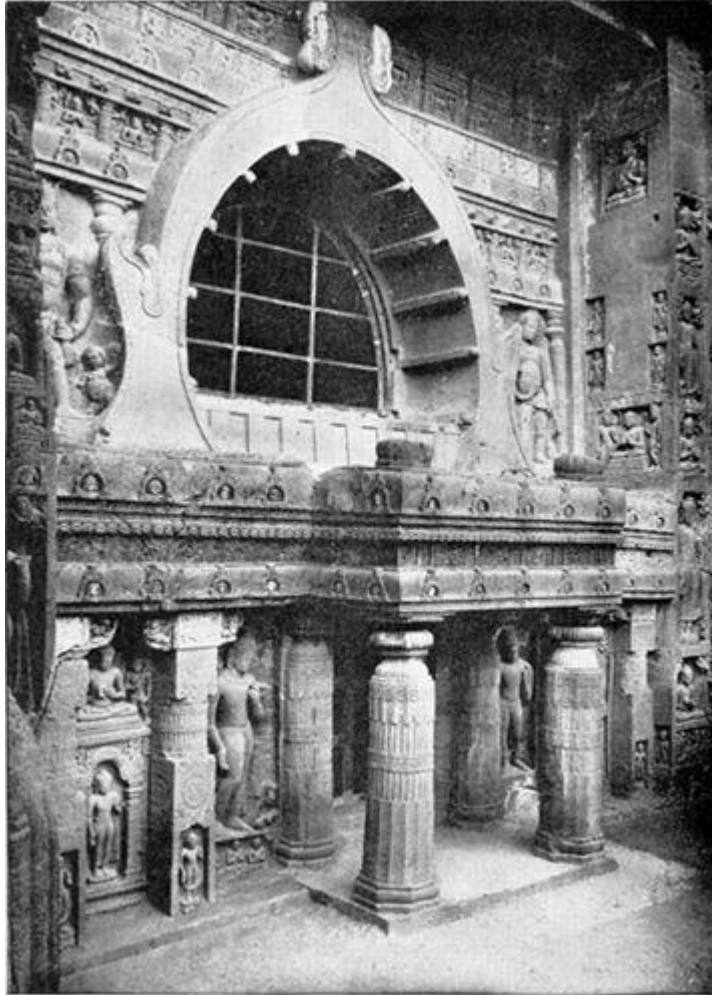


FIG. 56—*Cave XIX Ajanta*
Indian State Railways
(See [page 598](#))



FIG. 57—*Elephanta Caves, near Bombay*
By Cowling, from Ewing Galloway, N. Y.
(See [page 596](#))



FIG. 58—*The rock-cut Temple of Kailasha*
Indian State Railways
(See [page 601](#))

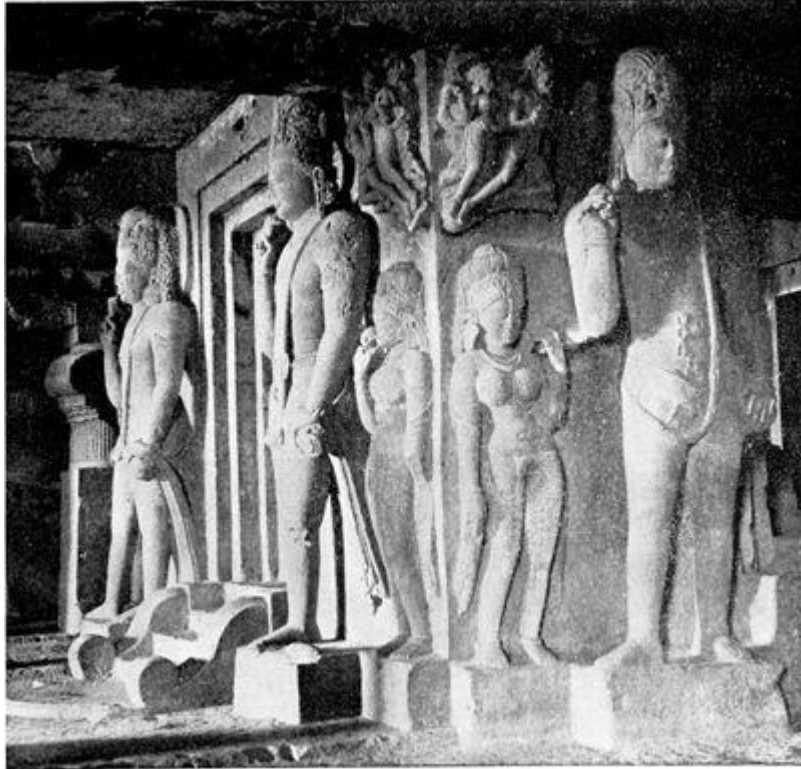


FIG. 59—*Guardian deities, Temple of Elura*
Indian State Railways
(See [page 601](#))



FIG. 60—*Façade, Angkor Wat, Indo-China*

Publishers' Photo Service
(See [pages 604-5](#))



FIG. 61—*Northeast end of Angkor Wat, Indo-China*
Publishers' Photo Service
(See [pages 604-5](#))

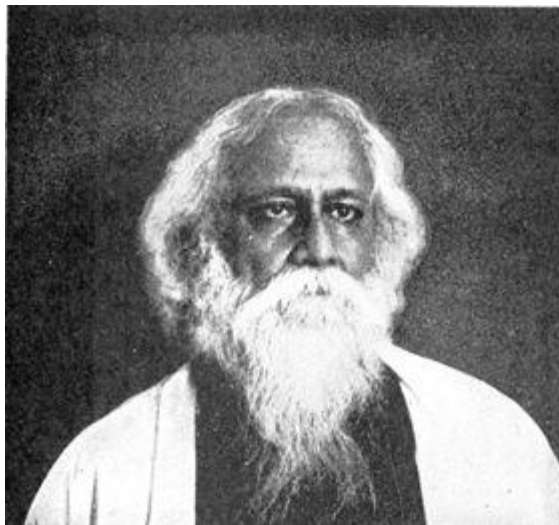


FIG. 62—*Rabindranath Tagore*
Underwood & Underwood

(See [page 619](#))

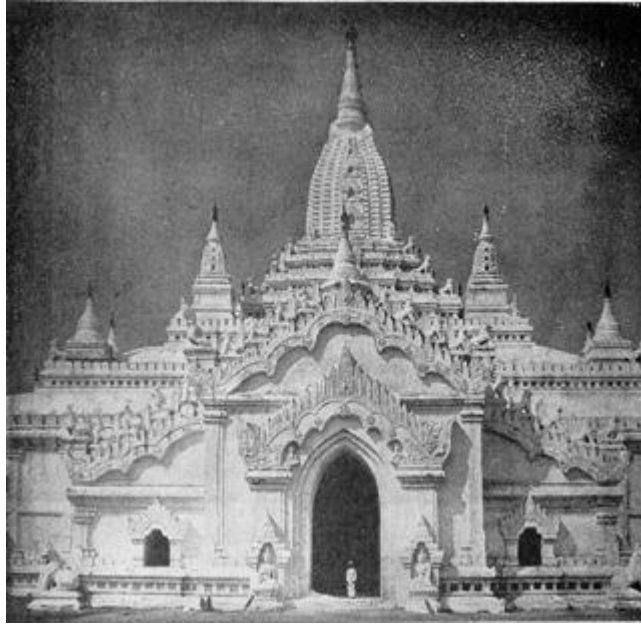


FIG. 63—*Ananda Palace at Pagan, Burma*

Underwood & Underwood

(See [page 606](#))

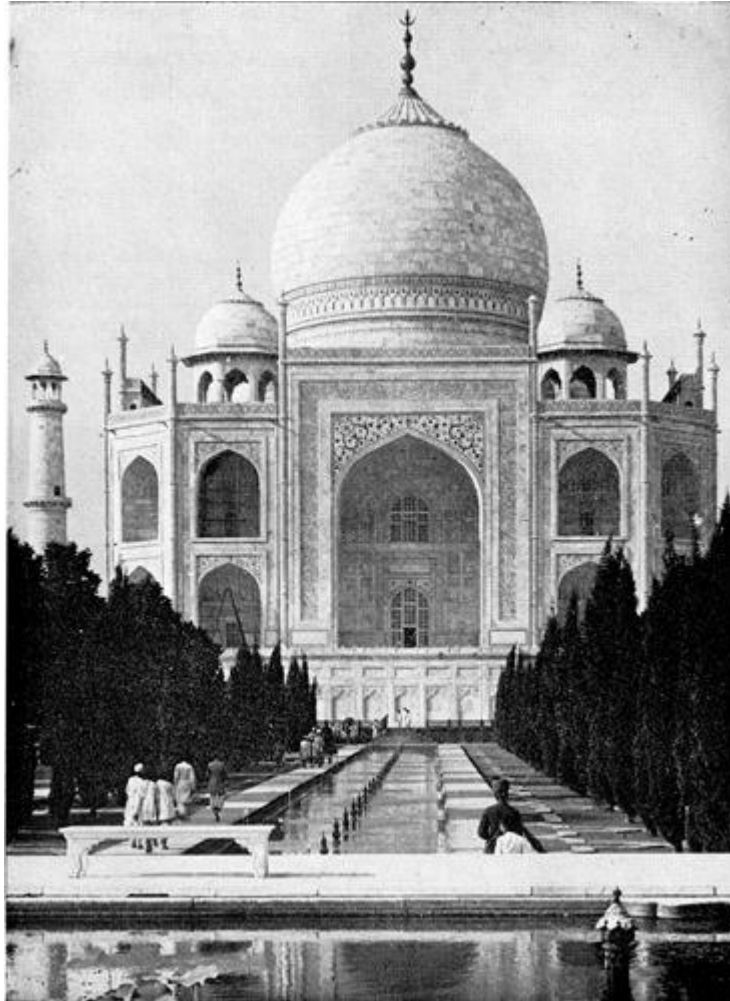


FIG. 64—*The Taj Mahal Agra*
Ewing Galloway, N. Y.
(See [page 609](#))



FIG. 65—*Imperial jewel casket of blue lacquer*
Underwood & Underwood
(See [page 736](#))

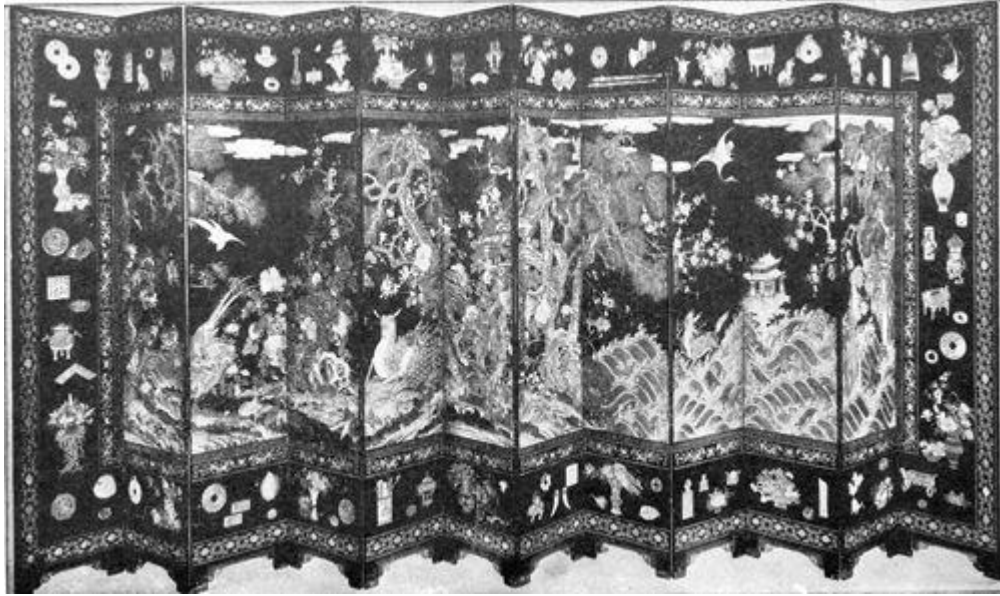


FIG. 66—*The lacquered screen of K'ang-hsi*
Victoria and Albert Museum, London
(See [page 736](#))



FIG. 67—A *bronze Kuan-yin of the Sui period*
Metropolitan Museum of Art
(See [page 738](#))



FIG. 68—*Summer Palace, Peiping*
(See [page 742](#))



FIG. 69—*Temple of Heaven, Peiping*
Publishers' Photo Service

(See [page 742](#))



FIG. 70—*Portraits of Thirteen Emperors. Attributed to Yen Li-pen, 7th century*

Boston Museum of Fine Arts

(See [pages 745-52](#))

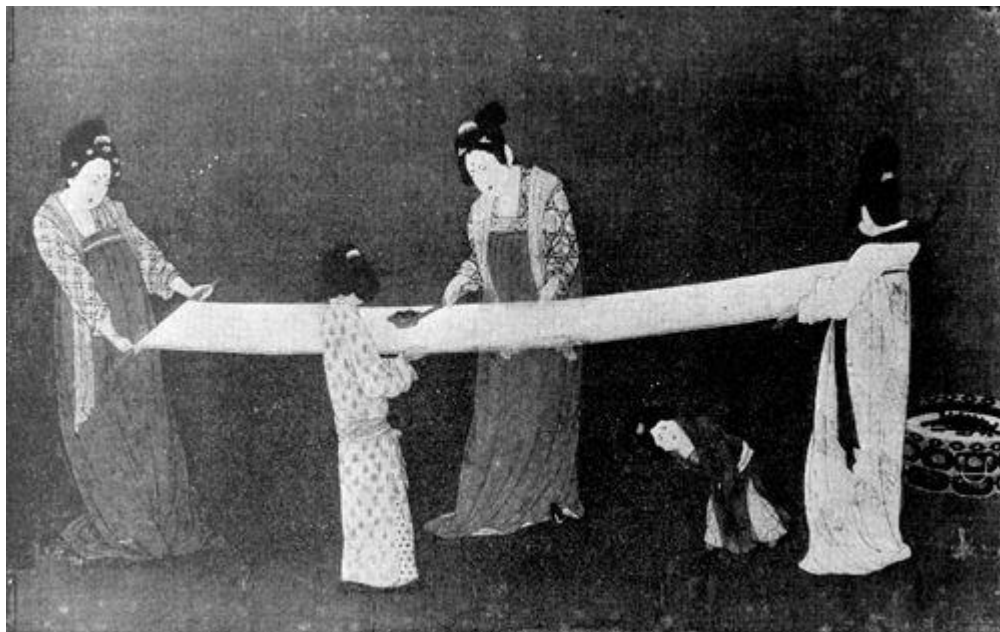


FIG. 71—*The Silk-beaters*. By the Emperor Hui Tsung (1101-26)

Boston Museum of Fine Arts

(See [page 750](#))



FIG. 72—*Landscape with Bridge and Willows*. Ma Yuan, 12th century

Boston Museum of Fine Arts

(See [page 751](#))



FIG. 73—A *hawthorn vase* from the *K'ang-hsi* period
Metropolitan Museum of Art
(See [page 758](#))



FIG. 74—*Geisha girls*
Ewing Galloway, N. Y.
(See [page 862](#))



FIG. 75—*Kiyomizu Temple, Kyoto, once a favorite resort of Japanese suicides*

Underwood & Underwood
(See [page 895](#))



FIG. 76—*Yo-meimon Gate, Nikko*
(See [page 895](#))



FIG. 77—*The Monkeys of Nikko. "Hear no evil, speak no evil, see no evil"*
Ewing Galloway, N. Y.

(See [page 895](#))



FIG. 78—*Image of Amida-Buddha at Horiuji*

Photo by Metropolitan Museum of Art

(See [page 897](#))

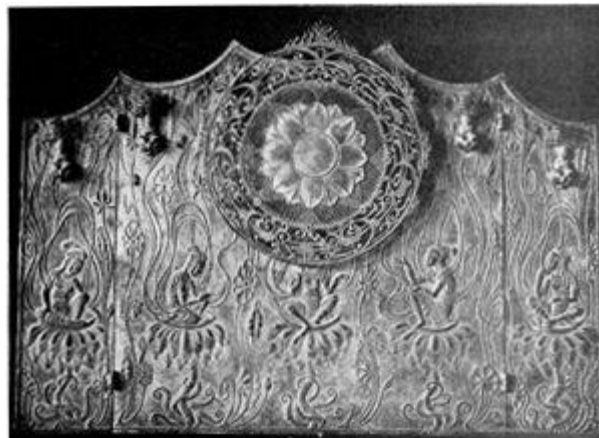


FIG. 79—*The bronze halo and background of the Amida at Horiuji*

Photo by Metropolitan Museum of Art

(See [page 897](#))



FIG. 80—*The Vairochana Buddha of Japan. Carved and lacquered wood. Ca. 950 A.D.*

Metropolitan Museum of Art
(See [pages 896-8](#))



FIG. 81—*The Daibutsu, or Great Buddha, at Kamakura*
(See [page 898](#))

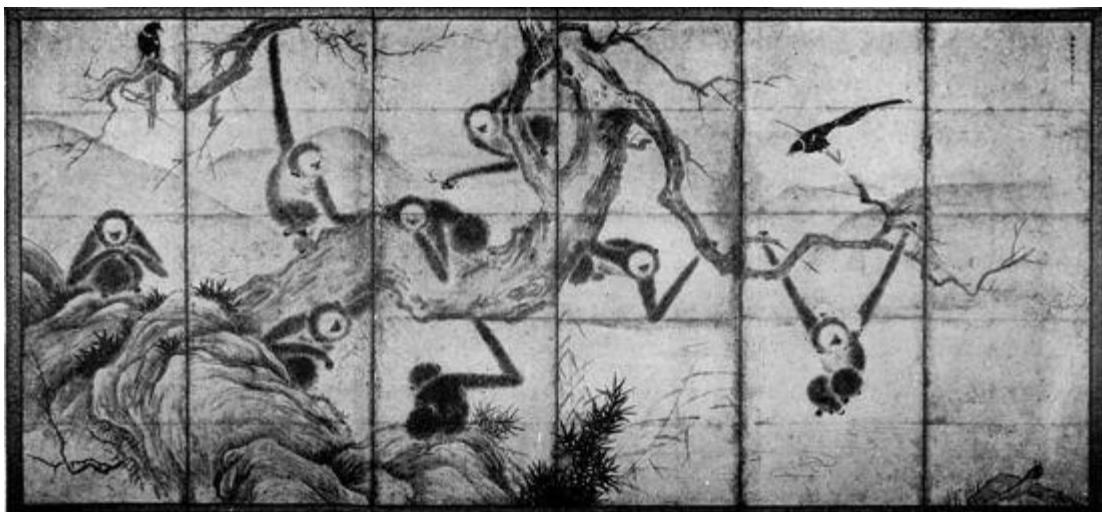


FIG. 82—*Monkeys and Birds*. By Sesshiu, 15th century
(See [pages 904-5](#))



FIG. 83—*A wave screen* by Korin
Metropolitan Museum of Art
(See [page 906](#))

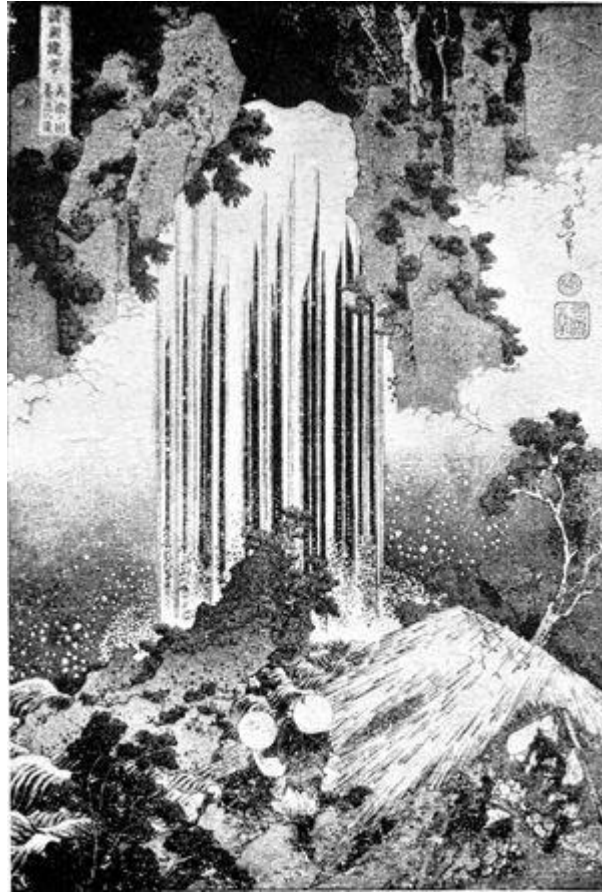


FIG. 84—*The Falls of Yoro. By Hokusai*
Metropolitan Museum of Art
(See [pages 907-10](#))

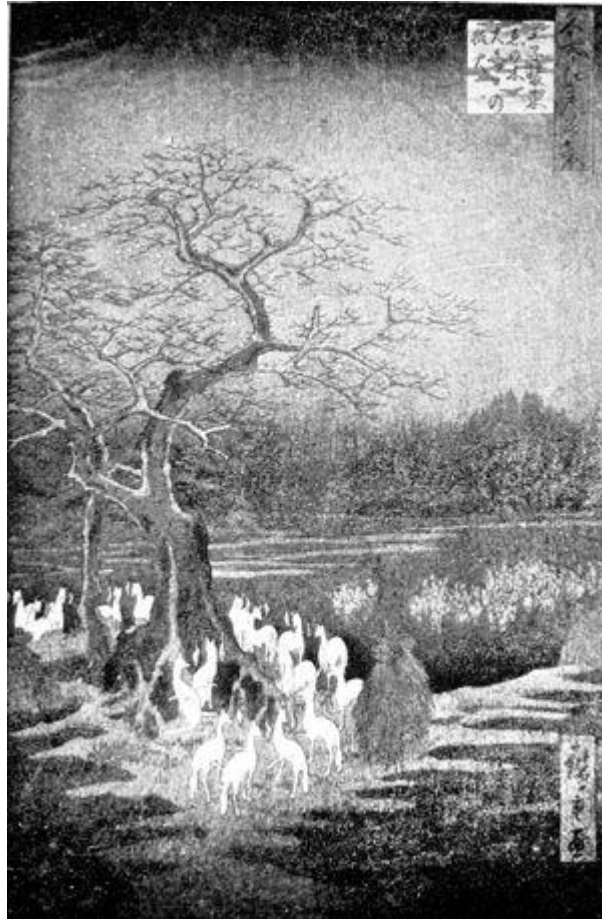


FIG. 85—*Foxes*. By Hiroshige
Metropolitan Museum of Art

INTRODUCTION

THE ESTABLISHMENT OF CIVILIZATION

“I want to know what were the steps by which men passed from barbarism to civilization.”

—VOLTAIRE.^{[1](#)}

CHAPTER I

The Conditions of Civilization*

*Definition—Geological conditions—Geographical—Economic—Racial—
Psychological—Causes of the decay of civilizations*

CIVILIZATION is social order promoting cultural creation. Four elements constitute it: economic provision, political organization, moral traditions, and the pursuit of knowledge and the arts. It begins where chaos and insecurity end. For when fear is overcome, curiosity and constructiveness are free, and man passes by natural impulse towards the understanding and embellishment of life.

Certain factors condition civilization, and may encourage or impede it. First, geological conditions. Civilization is an interlude between ice ages: at any time the current of glaciation may rise again, cover with ice and stone the works of man, and reduce life to some narrow segment of the earth. Or the demon of earthquake, by whose leave we build our cities, may shrug his shoulders and consume us indifferently.

Second, geographical conditions. The heat of the tropics, and the innumerable parasites that infest them, are hostile to civilization; lethargy and disease, and a precocious maturity and decay, divert the energies from those inessentials of life that make civilization, and absorb them in hunger and reproduction; nothing is left for the play of the arts and the mind. Rain is necessary; for water is the medium of life, more important even than the light of the sun; the unintelligible whim of the elements may condemn to desiccation regions that once flourished with empire and industry, like Nineveh or Babylon, or may help to swift strength and wealth cities apparently off the main line of transport and communication, like those of

Great Britain or Puget Sound. If the soil is fertile in food or minerals, if rivers offer an easy avenue of exchange, if the coast-line is indented with natural harbors for a commercial fleet, if, above all, a nation lies on the highroad of the world's trade, like Athens or Carthage, Florence or Venice—then geography, though it can never create it, smiles upon civilization, and nourishes it.

Economic conditions are more important. A people may possess ordered institutions, a lofty moral code, and even a flair for the minor forms of art, like the American Indians; and yet if it remains in the hunting stage, if it depends for its existence upon the precarious fortunes of the chase, it will never quite pass from barbarism to civilization. A nomad stock, like the Bedouins of Arabia, may be exceptionally intelligent and vigorous, it may display high qualities of character like courage, generosity and nobility; but without that simple *sine qua non* of culture, a continuity of food, its intelligence will be lavished on the perils of the hunt and the tricks of trade, and nothing will remain for the laces and frills, the curtsies and amenities, the arts and comforts, of civilization. The first form of culture is agriculture. It is when man settles down to till the soil and lay up provisions for the uncertain future that he finds time and reason to be civilized. Within that little circle of security—a reliable supply of water and food—he builds his huts, his temples and his schools; he invents productive tools, and domesticates the dog, the ass, the pig, at last himself. He learns to work with regularity and order, maintains a longer tenure of life, and transmits more completely than before the mental and moral heritage of his race.

Culture suggests agriculture, but civilization suggests the city. In one aspect civilization is the habit of civility; and civility is the refinement which townsmen, who made the word, thought possible only in the *civitas* or city.* For in the city are gathered, rightly or wrongly, the wealth and brains produced in the countryside; in the city invention and industry multiply comforts, luxuries and leisure; in the city traders meet, and barter goods and ideas; in that cross-fertilization of minds at the crossroads of trade intelligence is sharpened and stimulated to creative power. In the city some

men are set aside from the making of material things, and produce science and philosophy, literature and art. Civilization begins in the peasant's hut, but it comes to flower only in the towns.

There are no racial conditions to civilization. It may appear on any continent and in any color: at Peking or Delhi, at Memphis or Babylon, at Ravenna or London, in Peru or Yucatan. It is not the great race that makes the civilization, it is the great civilization that makes the people; circumstances geographical and economic create a culture, and the culture creates a type. The Englishman does not make British civilization, it makes him; if he carries it with him wherever he goes, and dresses for dinner in Timbuktu, it is not that he is creating his civilization there anew, but that he acknowledges even there its mastery over his soul. Given like material conditions, and another race would beget like results; Japan reproduces in the twentieth century the history of England in the nineteenth. Civilization is related to race only in the sense that it is often preceded by the slow intermarriage of different stocks, and their gradual assimilation into a relatively homogeneous people.*

These physical and biological conditions are only prerequisites to civilization; they do not constitute or generate it. Subtle psychological factors must enter into play. There must be political order, even if it be so near to chaos as in Renaissance Florence or Rome; men must feel, by and large, that they need not look for death or taxes at every turn. There must be some unity of language to serve as a medium of mental exchange. Through church, or family, or school, or otherwise, there must be a unifying moral code, some rules of the game of life acknowledged even by those who violate them, and giving to conduct some order and regularity, some direction and stimulus. Perhaps there must also be some unity of basic belief, some faith, supernatural or utopian, that lifts morality from calculation to devotion, and gives life nobility and significance despite our mortal brevity. And finally there must be education—some technique, however primitive, for the transmission of culture. Whether through imitation, initiation or instruction, whether through father or mother, teacher or priest, the lore and heritage of

the tribe—its language and knowledge, its morals and manners, its technology and arts—must be handed down to the young, as the very instrument through which they are turned from animals into men.

The disappearance of these conditions—sometimes of even one of them—may destroy a civilization. A geological cataclysm or a profound climatic change; an uncontrolled epidemic like that which wiped out half the population of the Roman Empire under the Antonines, or the Black Death that helped to end the Feudal Age; the exhaustion of the land, or the ruin of agriculture through the exploitation of the country by the town, resulting in a precarious dependence upon foreign food supplies; the failure of natural resources, either of fuels or of raw materials; a change in trade routes, leaving a nation off the main line of the world's commerce; mental or moral decay from the strains, stimuli and contacts of urban life, from the breakdown of traditional sources of social discipline and the inability to replace them; the weakening of the stock by a disorderly sexual life, or by an epicurean, pessimist, or quietist philosophy; the decay of leadership through the infertility of the able, and the relative smallness of the families that might bequeath most fully the cultural inheritance of the race; a pathological concentration of wealth, leading to class wars, disruptive revolutions, and financial exhaustion: these are some of the ways in which a civilization may die. For civilization is not something inborn or imperishable; it must be acquired anew by every generation, and any serious interruption in its financing or its transmission may bring it to an end. Man differs from the beast only by education, which may be defined as the technique of transmitting civilization.

Civilizations are the generations of the racial soul. As family-rearing, and then writing, bound the generations together, handing down the lore of the dying to the young, so print and commerce and a thousand ways of communication may bind the civilizations together, and preserve for future cultures all that is of value for them in our own. Let us, before we die, gather up our heritage, and offer it to our children.

CHAPTER II

The Economic Elements of Civilization*

IN one important sense the “savage,” too, is civilized, for he carefully transmits to his children the heritage of the tribe—that complex of economic, political, mental and moral habits and institutions which it has developed in its efforts to maintain and enjoy itself on the earth. It is impossible to be scientific here; for in calling other human beings “savage” or “barbarous” we may be expressing no objective fact, but only our fierce fondness for ourselves, and our timid shyness in the presence of alien ways. Doubtless we underestimate these simple peoples, who have so much to teach us in hospitality and morals; if we list the bases and constituents of civilization we shall find that the naked nations invented or arrived at all but one of them, and left nothing for us to add except embellishments and writing. Perhaps they, too, were once civilized, and desisted from it as a nuisance. We must make sparing use of such terms as “savage” and “barbarous” in referring to our “contemporaneous ancestry.” Preferably we shall call “primitive” all tribes that make little or no provision for unproductive days, and little or no use of writing. In contrast, the civilized may be defined as literate providers.

I. FROM HUNTING TO TILLAGE

Primitive improvidence—Beginnings of provision—Hunting and fishing—Herding—The domestication of animals—Agriculture—Food—Cooking—Cannibalism

“Three meals a day are a highly advanced institution. Savages gorge themselves or fast.”² The wilder tribes among the American Indians

considered it weak-kneed and unseemly to preserve food for the next day.³ The natives of Australia are incapable of any labor whose reward is not immediate; every Hottentot is a gentleman of leisure; and with the Bushmen of Africa it is always “either a feast or a famine.”⁴ There is a mute wisdom in this improvidence, as in many “savage” ways. The moment man begins to take thought of the morrow he passes out of the Garden of Eden into the vale of anxiety; the pale cast of worry settles down upon him, greed is sharpened, property begins, and the good cheer of the “thoughtless” native disappears. The American Negro is making this transition today. “Of what are you thinking?” Peary asked one of his Eskimo guides. “I do not have to think,” was the answer; “I have plenty of meat.” Not to think unless we have to—there is much to be said for this as the summation of wisdom.

Nevertheless, there were difficulties in this carelessness, and those organisms that outgrew it came to possess a serious advantage in the struggle for survival. The dog that buried the bone which even a canine appetite could not manage, the squirrel that gathered nuts for a later feast, the bees that filled the comb with honey, the ants that laid up stores for a rainy day—these were among the first creators of civilization. It was they, or other subtle creatures like them, who taught our ancestors the art of providing for tomorrow out of the surplus of today, or of preparing for winter in summer’s time of plenty.

With what skill those ancestors ferreted out, from land and sea, the food that was the basis of their simple societies! They grubbed edible things from the earth with bare hands; they imitated or used the claws and tusks of the animals, and fashioned tools out of ivory, bone or stone; they made nets and traps and snares of rushes or fibre, and devised innumerable artifices for fishing and hunting their prey. The Polynesians had nets a thousand ells long, which could be handled only by a hundred men; in such ways economic provision grew hand in hand with political organization, and the united quest for food helped to generate the state. The Tlingit fisherman put upon his head a cap like the head of a seal, and hiding his body among the rocks,

made a noise like a seal; seals came toward him, and he speared them with the clear conscience of primitive war. Many tribes threw narcotics into the streams to stupefy the fish into cooperation with the fishermen; the Tahitians, for example, put into the water an intoxicating mixture prepared from the *huteo* nut or the *hora* plant; the fish, drunk with it, floated leisurely on the surface, and were caught at the anglers' will. Australian natives, swimming under water while breathing through a reed, pulled ducks beneath the surface by the legs, and gently held them there till they were pacified. The Tarahumaras caught birds by stringing kernels on tough fibres half buried under the ground; the birds ate the kernels, and the Tarahumaras ate the birds.⁵

Hunting is now to most of us a game, whose relish seems based upon some mystic remembrance, in the blood, of ancient days when to hunt as well as hunted it was a matter of life and death. For hunting was not merely a quest for food, it was a war for security and mastery, a war beside which all the wars of recorded history are but a little noise. In the jungle man still fights for his life, for though there is hardly an animal that will attack him unless it is desperate for food or cornered in the chase, yet there is not always food for all, and sometimes only the fighter, or the breeder of fighters, is allowed to eat. We see in our museums the relics of that war of the species in the knives, clubs, spears, arrows, lassos, bolas, lures, traps, boomerangs and slings with which primitive men won possession of the land, and prepared to transmit to an ungrateful posterity the gift of security from every beast except man. Even today, after all these wars of elimination, how many different populations move over the earth! Sometimes, during a walk in the woods, one is awed by the variety of languages spoken there, by the myriad species of insects, reptiles, carnivores and birds; one feels that man is an interloper on this crowded scene, that he is the object of universal dread and endless hostility. Some day, perhaps, these chattering quadrupeds, these ingratiating centipedes, these insinuating bacilli, will

devour man and all his works, and free the planet from this marauding biped, these mysterious and unnatural weapons, these careless feet!

Hunting and fishing were not stages in economic development, they were modes of activity destined to survive into the highest forms of civilized society. Once the center of life, they are still its hidden foundations; behind our literature and philosophy, our ritual and art, stand the stout killers of Packingtown. We do our hunting by proxy, not having the stomach for honest killing in the fields; but our memories of the chase linger in our joyful pursuit of anything weak or fugitive, and in the games of our children—even in the word *game*. In the last analysis civilization is based upon the food supply. The cathedral and the capitol, the museum and the concert chamber, the library and the university are the façade; in the rear are the shambles.

To live by hunting was not original; if man had confined himself to that he would have been just another carnivore. He began to be human when out of the uncertain hunt he developed the greater security and continuity of the pastoral life. For this involved advantages of high importance: the domestication of animals, the breeding of cattle, and the use of milk. We do not know when or how domestication began—perhaps when the helpless young of slain beasts were spared and brought to the camp as playthings for the children.⁶ The animal continued to be eaten, but not so soon; it acted as a beast of burden, but it was accepted almost democratically into the society of man; it became his comrade, and formed with him a community of labor and residence. The miracle of reproduction was brought under control, and two captives were multiplied into a herd. Animal milk released women from prolonged nursing, lowered infantile mortality, and provided a new and dependable food. Population increased, life became more stable and orderly, and the mastery of that timid *parvenu*, man, became more secure on the earth.

Meanwhile woman was making the greatest economic discovery of all—the bounty of the soil. While man hunted she grubbed about the tent or hut for whatever edible things lay ready to her hand on the ground. In Australia it

was understood that during the absence of her mate on the chase the wife would dig for roots, pluck fruit and nuts from the trees, and collect honey, mushrooms, seeds and natural grains.⁷ Even today, in certain tribes of Australia, the grains that grow spontaneously out of the earth are harvested without any attempt to separate and sow the seed; the Indians of the Sacramento River Valley never advanced beyond this stage.⁸ We shall never discover when men first noted the function of the seed, and turned collecting into sowing; such beginnings are the mysteries of history, about which we may believe and guess, but cannot know. It is possible that when men began to collect unplanted grains, seeds fell along the way between field and camp, and suggested at last the great secret of growth. The Juangs threw the seeds together into the ground, leaving them to find their own way up. The natives of Borneo put the seed into holes which they dug with a pointed stick as they walked the fields.⁹ The simplest known culture of the earth is with this stick or “digger.” In Madagascar fifty years ago the traveler could still see women armed with pointed sticks, standing in a row like soldiers, and then, at a signal, digging their sticks into the ground, turning over the soil, throwing in the seed, stamping the earth flat, and passing on to another furrow.¹⁰ The second stage in complexity was culture with the hoe: the digging stick was tipped with bone, and fitted with a crosspiece to receive the pressure of the foot. When the Conquistadores arrived in Mexico they found that the Aztecs knew no other tool of tillage than the hoe. With the domestication of animals and the forging of metals a heavier implement could be used; the hoe was enlarged into a plough, and the deeper turning of the soil revealed a fertility in the earth that changed the whole career of man. Wild plants were domesticated, new varieties were developed, old varieties were improved.

Finally nature taught man the art of provision, the virtue of prudence,^{*} the concept of time. Watching woodpeckers storing acorns in the trees, and the bees storing honey in hives, man conceived—perhaps after millenniums of improvident savagery—the notion of laying up food for the future. He found ways of preserving meat by smoking it, salting it, freezing it; better still, he

built granaries secure from rain and damp, vermin and thieves, and gathered food into them for the leaner months of the year. Slowly it became apparent that agriculture could provide a better and steadier food supply than hunting. With that realization man took one of the three steps that led from the beast to civilization—speech, agriculture, and writing.

It is not to be supposed that man passed suddenly from hunting to tillage. Many tribes, like the American Indians, remained permanently becalmed in the transition—the men given to the chase, the women tilling the soil. Not only was the change presumably gradual, but it was never complete. Man merely added a new way of securing food to an old way; and for the most part, throughout his history, he has preferred the old food to the new. We picture early man experimenting with a thousand products of the earth to find, at much cost to his inward comfort, which of them could be eaten safely; mingling these more and more with the fruits and nuts, the flesh and fish he was accustomed to, but always yearning for the booty of the chase. Primitive peoples are ravenously fond of meat, even when they live mainly on cereals, vegetables and milk.¹¹ If they come upon the carcass of a recently dead animal the result is likely to be a wild debauch. Very often no time is wasted on cooking; the prey is eaten raw, as fast as good teeth can tear and devour it; soon nothing is left but the bones. Whole tribes have been known to feast for a week on a whale thrown up on the shore.¹² Though the Fuegians can cook, they prefer their meat raw; when they catch a fish they kill it by biting it behind the gills, and then consume it from head to tail without further ritual.¹³ The uncertainty of the food supply made these nature peoples almost literally omnivorous: shellfish, sea urchins, frogs, toads, snails, mice, rats, spiders, earthworms, scorpions, moths, centipedes, locusts, caterpillars, lizards, snakes, boas, dogs, horses, roots, lice, insects, larvae, the eggs of reptiles and birds—there is not one of these but was somewhere a delicacy, or even a *pièce de résistance*, to primitive men.¹⁴ Some tribes are expert hunters of ants; others dry insects in the sun and then store them for a feast; others pick the lice out of one another's hair, and eat

them with relish; if a great number of lice can be gathered to make a *petite marmite*, they are devoured with shouts of joy, as enemies of the human race.¹⁵ The menu of the lower hunting tribes hardly differs from that of the higher apes.¹⁶

The discovery of fire limited this indiscriminate voracity, and coöperated with agriculture to free man from the chase. Cooking broke down the cellulose and starch of a thousand plants indigestible in their raw state, and man turned more and more to cereals and vegetables as his chief reliance. At the same time cooking, by softening tough foods, reduced the need of chewing, and began that decay of the teeth which is one of the insignia of civilization.

To all the varied articles of diet that we have enumerated, man added the greatest delicacy of all—his fellowman. Cannibalism was at one time practically universal; it has been found in nearly all primitive tribes, and among such later peoples as the Irish, the Iberians, the Picts, and the eleventh-century Danes.¹⁷ Among many tribes human flesh was a staple of trade, and funerals were unknown. In the Upper Congo living men, women and children were bought and sold frankly as articles of food;¹⁸ on the island of New Britain human meat was sold in shops as butcher's meat is sold among ourselves; and in some of the Solomon Islands human victims, preferably women, were fattened for a feast like pigs.¹⁹ The Fuegians ranked women above dogs because, they said, "dogs taste of otter." In Tahiti an old Polynesian chief explained his diet to Pierre Loti: "The white man, when well roasted, tastes like a ripe banana." The Fijians, however, complained that the flesh of the whites was too salty and tough, and that a European sailor was hardly fit to eat; a Polynesian tasted better.²⁰

What was the origin of this practice? There is no surety that the custom arose, as formerly supposed, out of a shortage of other food; if it did, the taste once formed survived the shortage, and became a passionate predilection.²¹ Everywhere among nature peoples blood is regarded as a

delicacy—never with horror; even primitive vegetarians take to it with gusto. Human blood is constantly drunk by tribes otherwise kindly and generous; sometimes as medicine, sometimes as a rite or covenant, often in the belief that it will add to the drinker the vital force of the victim.²² No shame was felt in preferring human flesh; primitive man seems to have recognized no distinction in morals between eating men and eating other animals. In Melanesia the chief who could treat his friends to a dish of roast man soared in social esteem. “When I have slain an enemy,” explained a Brazilian philosopher-chief, “it is surely better to eat him than to let him waste. . . . The worst is not to be eaten, but to die; if I am killed it is all the same whether my tribal enemy eats me or not. But I could not think of any game that would taste better than he would. . . . You whites are really too dainty.”²³

Doubtless the custom had certain social advantages. It anticipated Dean Swift’s plan for the utilization of superfluous children, and it gave the old an opportunity to die usefully. There is a point of view from which funerals seem an unnecessary extravagance. To Montaigne it appeared more barbarous to torture a man to death under the cover of piety, as was the mode of his time, than to roast and eat him after he was dead. We must respect one another’s delusions.

II. THE FOUNDATIONS OF INDUSTRY

Fire—Primitive Tools—Weaving and pottery—Building and transport— Trade and finance

If man began with speech, and civilization with agriculture, industry began with fire. Man did not invent it; probably nature produced the marvel for him by the friction of leaves or twigs, a stroke of lightning, or a chance union of chemicals; man merely had the saving wit to imitate nature, and to improve upon her. He put the wonder to a thousand uses. First, perhaps, he

made it serve as a torch to conquer his fearsome enemy, the dark; then he used it for warmth, and moved more freely from his native tropics to less enervating zones, slowly making the planet human; then he applied it to metals, softening them, tempering them, and combining them into forms stronger and suppler than those in which they had come to his hand. So beneficent and strange was it that fire always remained a miracle to primitive man, fit to be worshiped as a god; he offered it countless ceremonies of devotion, and made it the center or focus (which is Latin for hearth) of his life and home; he carried it carefully with him as he moved from place to place in his wanderings, and would not willingly let it die. Even the Romans punished with death the careless vestal virgin who allowed the sacred fire to be extinguished.

Meanwhile, in the midst of hunting, herding and agriculture, invention was busy, and the primitive brain was racking itself to find mechanical answers to the economic puzzles of life. At first man was content, apparently, to accept what nature offered him—the fruits of the earth as his food, the skins and furs of the animals as his clothing, the caves in the hillsides as his home. Then, *perhaps* (for most history is guessing, and the rest is prejudice), he imitated the tools and industry of the animal: he saw the monkey flinging rocks and fruit upon his enemies, or breaking open nuts and oysters with a stone; he saw the beaver building a dam, the birds making nests and bowers, the chimpanzees raising something very like a hut. He envied the power of their claws, teeth, tusks and horns, and the toughness of their hides; and he set to work to fashion tools and weapons that would resemble and rival these. Man, said Franklin, is a tool-using animal;²⁴ but this, too, like the other distinctions on which we plume ourselves, is only a difference of degree.

Many tools lay potential in the plant world that surrounded primitive man. From the bamboo he made shafts, knives, needles and bottles; out of branches he made tongs, pincers and vices; from bark and fibres he wove cord and clothing of a hundred kinds. Above all, he made himself a stick. It

was a modest invention, but its uses were so varied that man always looked upon it as a symbol of power and authority, from the wand of the fairies and the staff of the shepherd to the rod of Moses or Aaron, the ivory cane of the Roman consul, the *lituus* of the augurs, and the mace of the magistrate or the king. In agriculture the stick became the hoe; in war it became the lance or javelin or spear, the sword or bayonet.²⁵ Again, man used the mineral world, and shaped stones into a museum of arms and implements: hammers, anvils, kettles, scrapers, arrow-heads, saws, planes, wedges, levers, axes and drills. From the animal world he made ladles, spoons, vases, gourds, plates, cups, razors and hooks out of the shells of the shore, and tough or dainty tools out of the horn or ivory, the teeth and bones, the hair and hide of the beasts. Most of these fashioned articles had handles of wood, attached to them in cunning ways, bound with braids of fibre or cords of animal sinew, and occasionally glued with strange mixtures of blood. The ingenuity of primitive men probably equaled—perhaps it surpassed—that of the average modern man; we differ from them through the social accumulation of knowledge, materials and tools, rather than through innate superiority of brains. Indeed, nature men delight in mastering the necessities of a situation with inventive wit. It was a favorite game among the Eskimos to go off into difficult and deserted places, and rival one another in devising means for meeting the needs of a life unequipped and unadorned.²⁶

* This primitive skill displayed itself proudly in the art of weaving. Here, too, the animal showed man the way. The web of the spider, the nest of the bird, the crossing and texture of fibres and leaves in the natural embroidery of the woods, set an example so obvious that in all probability weaving was one of the earliest arts of the human race. Bark, leaves and grass fibres were woven into clothing, carpets and tapestry, sometimes so excellent that it could not be rivaled today, even with the resources of contemporary machinery. Aleutian women may spend a year in weaving one robe. The blankets and garments made by the North American Indians were richly

ornamented with fringes and embroideries of hairs and tendon-threads dyed in brilliant colors with berry juice; colors “so alive,” says Father Théodut, “that ours do not seem even to approach them.”²⁷ Again art began where nature left off; the bones of birds and fishes, and the slim shoots of the bamboo tree, were polished into needles, and the tendons of animals were drawn into threads delicate enough to pass through the eye of the finest needle today. Bark was beaten into mats and cloths, skins were dried for clothing and shoes, fibres were twisted into the strongest yarn, and supple branches and colored filaments were woven into baskets more beautiful than any modern forms.²⁸

Akin to basketry, perhaps born of it, was the art of pottery. Clay placed upon wickerwork to keep the latter from being burned, hardened into a fireproof shell which kept its form when the wickerwork was taken away;²⁹ this *may have been* the first stage of a development that was to culminate in the perfect porcelains of China. Or perhaps some lumps of clay, baked and hardened by the sun, suggested the ceramic art; it was but a step from this to substitute fire for the sun, and to form from the earth myriad shapes of vessels for every use—for cooking, storing and transporting, at last for luxury and ornament. Designs imprinted by finger-nail or tool upon the wet clay were one of the first forms of art, and perhaps one of the origins of writing.

Out of sun-dried clay primitive tribes made bricks and adobe, and dwelt, so to speak, in pottery. But that was a late stage of the building art, binding the mud hut of the “savage” in a chain of continuous development with the brilliant tiles of Nineveh and Babylon. Some primitive peoples, like the Veddahs of Ceylon, had no dwellings at all, and were content with the earth and the sky; some, like the Tasmanians, slept in hollow trees; some, like the natives of New South Wales, lived in caves; others, like the Bushmen, built here and there a wind-shelter of branches, or, more rarely, drove piles into the soil and covered their tops with moss and twigs. From such wind-shelters, when sides were added, evolved the hut, which is found among the natives of Australia in all its stages from a tiny cottage of branches, grass and

earth large enough to cover two or three persons, to great huts housing thirty or more. The nomad hunter or herdsman preferred a tent, which he could carry wherever the chase might lead him. The higher type of nature peoples, like the American Indian, built with wood; the Iroquois, for example, raised, out of timber still bearing the bark, sprawling edifices five hundred feet long, which sheltered many families. Finally, the natives of Oceania made real houses of carefully cut boards, and the evolution of the wooden dwelling was complete.³⁰

Only three further developments were needed for primitive man to create all the essentials of economic civilization: the mechanisms of transport, the processes of trade, and the medium of exchange. The porter carrying his load from a modern plane pictures the earliest and latest stages in the history of transportation. In the beginning, doubtless, man was his own beast of burden, unless he was married; to this day, for the most part, in southern and eastern Asia, man is wagon and donkey and all. Then he invented ropes, levers, and pulleys; he conquered and loaded the animal; he made the first sledge by having his cattle draw along the ground long branches bearing his goods;* he put logs as rollers under the sledge; he cut cross-sections of the log, and made the greatest of all mechanical inventions, the wheel; he put wheels under the sledge and made a cart. Other logs he bound together as rafts, or dug into canoes; and the streams became his most convenient avenues of transport. By land he went first through trackless fields and hills, then by trails, at last by roads. He studied the stars, and guided his caravans across mountains and deserts by tracing his route in the sky. He paddled, rowed or sailed his way bravely from island to island, and at last spanned oceans to spread his modest culture from continent to continent. Here, too, the main problems were solved before written history began.

Since human skills and natural resources are diversely and unequally distributed, a people may be enabled, by the development of specific talents, or by its proximity to needed materials, to produce certain articles more

cheaply than its neighbors. Of such articles it makes more than it consumes, and offers its surplus to other peoples in exchange for their own; this is the origin of trade. The Chibcha Indians of Colombia exported the rock salt that abounded in their territory, and received in return the cereals that could not be raised on their barren soil. Certain American Indian villages were almost entirely devoted to making arrow-heads; some in New Guinea to making pottery; some in Africa to blacksmithing, or to making boats or lances. Such specializing tribes or villages sometimes acquired the names of their industry (Smith, Fisher, Potter . . .), and these names were in time attached to specializing families.^{30a} Trade in surpluses was at first by an interchange of gifts; even in our calculating days a present (if only a meal) sometimes precedes or seals a trade. The exchange was facilitated by war, robbery, tribute, fines, and compensation; goods had to be kept moving! Gradually an orderly system of barter grew up, and trading posts, markets and bazaars were established—occasionally, then periodically, then permanently—where those who had some article in excess might offer it for some article of need.³¹

For a long time commerce was purely such exchange, and centuries passed before a circulating medium of value was invented to quicken trade. A Dyak might be seen wandering for days through a bazaar, with a ball of beeswax in his hand, seeking a customer who could offer him in return something that he might more profitably use.³² The earliest mediums of exchange were articles universally in demand, which anyone would take in payment: dates, salt, skins, furs, ornaments, implements, weapons; in such traffic two knives equaled one pair of stockings, all three equaled a blanket, all four equaled a gun, all five equaled a horse; two elk-teeth equaled one pony, and eight ponies equaled a wife.³³ There is hardly any thing that has not been employed as money by some people at some time: beans, fish-hooks, shells, pearls, beads, cocoa seeds, tea, pepper, at last sheep, pigs, cows, and slaves. Cattle were a convenient standard of value and medium of exchange among hunters and herders; they bore interest through breeding, and they were easy to carry, since they transported themselves. Even in Homer's days men

and things were valued in terms of cattle: the armor of Diomedes was worth nine head of cattle, a skilful slave was worth four. The Romans used kindred words—*pecus* and *pecunia*—for cattle and money, and placed the image of an ox upon their early coins. Our own words *capital*, *chattel* and *cattle* go back through the French to the Latin *capitale*, meaning property: and this in turn derives from *caput*, meaning head—i.e., of cattle. When metals were mined they slowly replaced other articles as standards of value; copper, bronze, iron, finally—because of their convenient representation of great worth in little space and weight—silver and gold, became the money of mankind. The advance from token goods to a metallic currency does not seem to have been made by primitive men; it was left for the historic civilizations to invent coinage and credit, and so, by further facilitating the exchange of surpluses, to increase again the wealth and comfort of man.³⁴

III. ECONOMIC ORGANIZATION

Primitive communism—Causes of its disappearance—Origins of private property—Slavery—Classes

Trade was the great disturber of the primitive world, for until it came, bringing money and profit in its wake, there was no property, and therefore little government. In the early stages of economic development property was limited for the most part to things personally used; the property sense applied so strongly to such articles that they (even the wife) were often buried with their owner; it applied so weakly to things not personally used that in their case the sense of property, far from being innate, required perpetual reinforcement and inculcation.

Almost everywhere, among primitive peoples, land was owned by the community. The North American Indians, the natives of Peru, the Chittagong Hill tribes of India, the Borneans and South Sea Islanders seem

to have owned and tilled the soil in common, and to have shared the fruits together. “The land,” said the Omaha Indians, “is like water and wind—what cannot be sold.” In Samoa the idea of selling land was unknown prior to the coming of the white man. Professor Rivers found communism in land still existing in Melanesia and Polynesia; and in inner Liberia it may be observed today.³⁵

Only less widespread was communism in food. It was usual among “savages” for the man who had food to share it with the man who had none, for travelers to be fed at any home they chose to stop at on their way, and for communities harassed with drought to be maintained by their neighbors.³⁶ If a man sat down to his meal in the woods he was expected to call loudly for some one to come and share it with him, before he might justly eat alone.³⁷ When Turner told a Samoan about the poor in London the “savage” asked in astonishment: “How is it? No food? No friends? No house to live in? Where did he grow? Are there no houses belonging to his friends?”³⁸ The hungry Indian had but to ask to receive; no matter how small the supply was, food was given him if he needed it; “no one can want food while there is corn anywhere in the town.”³⁹ Among the Hottentots it was the custom for one who had more than others to share his surplus till all were equal. White travelers in Africa before the advent of civilization noted that a present of food or other valuables to a “black man” was at once distributed; so that when a suit of clothes was given to one of them the donor soon found the recipient wearing the hat, a friend the trousers, another friend the coat. The Eskimo hunter had no personal right to his catch; it had to be divided among the inhabitants of the village, and tools and provisions were the common property of all. The North American Indians were described by Captain Carver as “strangers to all distinctions of property, except in the articles of domestic use. . . . They are extremely liberal to each other, and supply the deficiencies of their friends with any superfluity of their own.” “What is extremely surprising,” reports a missionary, “is to see them treat one another with a gentleness and consideration which one does not find among common

people in the most civilized nations. This, doubtless, arises from the fact that the words 'mine' and 'thine,' which St. Chrysostom says extinguish in our hearts the fire of charity and kindle that of greed, are unknown to these savages." "I have seen them," says another observer, "divide game among themselves when they sometimes had many shares to make; and cannot recollect a single instance of their falling into a dispute or finding fault with the distribution as being unequal or otherwise objectionable. They would rather lie down themselves on an empty stomach than have it laid to their charge that they neglected to satisfy the needy. . . . They look upon themselves as but one great family."⁴⁰

Why did this primitive communism disappear as men rose to what we, with some partiality, call civilization? Sumner believed that communism proved unbiological, a handicap in the struggle for existence; that it gave insufficient stimulus to inventiveness, industry and thrift; and that the failure to reward the more able, and punish the less able, made for a leveling of capacity which was hostile to growth or to successful competition with other groups.⁴¹ Loskiel reported some Indian tribes of the northeast as "so lazy that they plant nothing themselves, but rely entirely upon the expectation that others will not refuse to share their produce with them. Since the industrious thus enjoy no more of the fruits of their labor than the idle, they plant less every year."⁴² Darwin thought that the perfect equality among the Fuegians was fatal to any hope of their becoming civilized;⁴³ or, as the Fuegians might have put it, civilization would have been fatal to their equality. Communism brought a certain security to all who survived the diseases and accidents due to the poverty and ignorance of primitive society; but it did not lift them out of that poverty. Individualism brought wealth, but it brought, also, insecurity and slavery; it stimulated the latent powers of superior men, but it intensified the competition of life, and made men feel bitterly a poverty which, when all shared it alike, had seemed to oppress none.*_—

Communism could survive more easily in societies where men were always on the move, and danger and want were ever present. Hunters and herders had no need of private property in land; but when agriculture became the settled life of men it soon appeared that the land was most fruitfully tilled when the rewards of careful husbandry accrued to the family that had provided it. Consequently—since there is a natural selection of institutions and ideas as well as of organisms and groups—the passage from hunting to agriculture brought a change from tribal property to family property; the most economical unit of production became the unit of ownership. As the family took on more and more a patriarchal form, with authority centralized in the oldest male, property became increasingly individualized, and personal bequest arose. Frequently an enterprising individual would leave the family haven, adventure beyond the traditional boundaries, and by hard labor reclaim land from the forest, the jungle or the marsh; such land he guarded jealously as his own, and in the end society recognized his right, and another form of individual property began.^{43a} As the pressure of population increased, and older lands were exhausted, such reclamation went on in a widening circle, until, in the more complex societies, individual ownership became the order of the day. The invention of money coöperated with these factors by facilitating the accumulation, transport and transmission of property. The old tribal rights and traditions reasserted themselves in the technical ownership of the soil by the village community or the king, and in periodical redistributions of the land; but after an epoch of natural oscillation between the old and the new, private property established itself definitely as the basic economic institution of historical society.

Agriculture, while generating civilization, led not only to private property but to slavery. In purely hunting communities slavery had been unknown; the hunter's wives and children sufficed to do the menial work. The men alternated between the excited activity of hunting or war, and the exhausted lassitude of satiety or peace. The characteristic laziness of primitive peoples had its origin, presumably, in this habit of slowly recuperating from the