

CONTENTS

Acknowledgments	6
Introduction	8
CHAPTER 1: Volatile Lands and Valuable Waters	12
CHAPTER 2: Arizona Indians, Past and Present	42
CHAPTER 3: New Spain and the Republic of Mexico	72
CHAPTER 4: Manifest Destiny, the Argonauts, and the Civil War	102
CHAPTER 5: Conflicts of Culture and Legends of the Wild West	132
CHAPTER 6: Railroads, Copper, and Statehood	162
CHAPTER 7: The Boom, the Bust, and the Wars	192
CHAPTER 8: Postwar Boom to the Space Age	222
CHAPTER 9: Modern Arizona	252
CHAPTER 10: Through the Ages and into the Future	282
Endnotes	314
Credits	324
Bibliography	326
Index	330



★ INTRODUCTION

Here you have no rain when all the earth cries for it,
or quick downpours called cloud-bursts for violence.
A land of lost rivers, with little in it to love;
yet a land that once visited must be come back to inevitably.

—Mary Austin, *Land of Little Rain*, 1903

Nicknamed the “Baby State” because it was the last of the contiguous states to join the Union, its admission in 1912 created the 48-star American flag that flew until Alaska and Hawaii rounded it out to 50 stars in 1959. Arizona may be a latecomer to statehood, but it’s the home of the first Republican Party presidential candidate and the United States’ first female Supreme Court Justice.

Newcomers and visitors often think there’s not much history in Arizona, but nothing could be farther from the truth. The Grand Canyon, the world’s open-air geology textbook, begins with ancient schist strata at the bottom of the canyon that date back 1.7 billion years. From dinosaur tracks to petrified tree trunks, Arizona’s prehistoric record is set in stone. Eleven thousand years ago, ancient cultures hunted Ice Age mammoths through tropical swamps in what we now call Arizona. Several millennia later, while King John signed the *Magna Carta* and Genghis Khan conquered Asia, ancient farmers built multistoried cliff dwellings and dug hundreds of

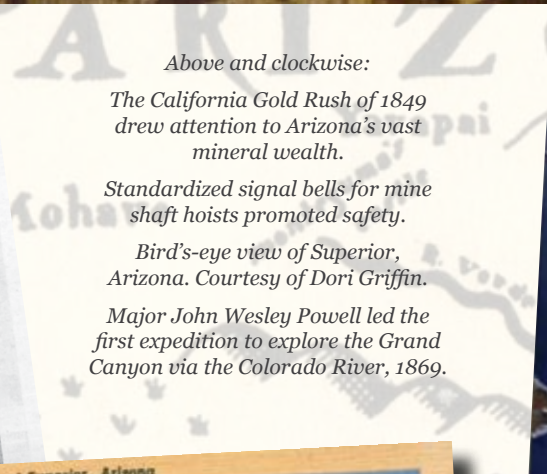
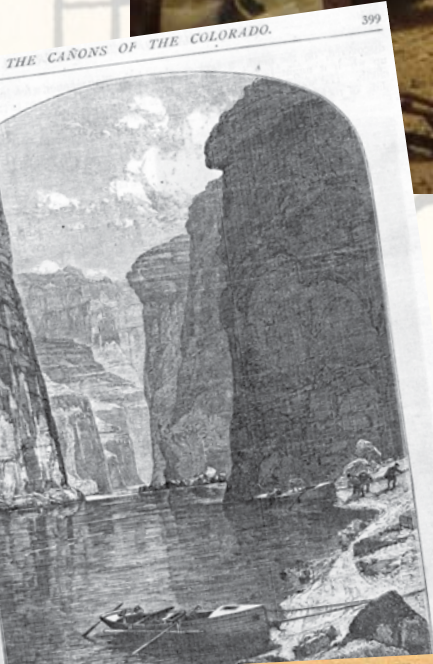
miles of precisely engineered irrigation canals throughout the Southwest.

Decades before Jamestown and Plymouth Rock, hundreds of Spanish conquistadors traveled thousands of miles from Mexico City to the center of Kansas in their quest for gold, glory, and God. They were followed by missionary priests



in the 1600s, then soldiers in the next century, building forts on New Spain’s northern frontier.

*Left: Totem Pole [right] and Yei-bi-chai Rocks, Monument Valley, Arizona. © Jerry Jacka, 2011.
Above: Many artists, including Carl Oscar Borg, have depicted Coronado’s arrival at what he thought were the Seven Cities of Gold.*



Above and clockwise:

The California Gold Rush of 1849 drew attention to Arizona's vast mineral wealth.

Standardized signal bells for mine shaft hoists promoted safety.

Bird's-eye view of Superior, Arizona. Courtesy of Dori Griffin.

Major John Wesley Powell led the first expedition to explore the Grand Canyon via the Colorado River, 1869.

ARIZONA STATE CODE OF MINE BELL SIGNALS

1 BELL STOP IMMEDIATELY IF IN MOTION.
 1 " HOIST MUCK.
 1 " RELEASE CAGE, SKIP OR BUCKET.
 2 BELLS LOWER.
 3-1 " HOIST MEN, IF BELLS RING SLOWLY.
 3-2 " LOWER MEN, MOVE SLOWLY.
 4 " STEAM ON OR OFF.
 5 " BLASTING OR READY TO SHOOT.
 THIS IS A CAUTION SIGNAL AND IF THE ENGINEER IS PREPARED TO ACCEPT IT HE MUST ACKNOWLEDGE BY RAISING BUCKET OR CAGE A FEW FEET THEN LOWERING IT AGAIN. AFTER ACCEPTING THIS SIGNAL ENGINEER MUST BE PREPARED TO HOIST MEN AWAY FROM BLAST AS SOON AS SIGNAL "1 BELL" IS GIVEN AND MUST ACCEPT NO OTHER SIGNAL IN THE MEANTIME.
 6 BELLS AIR ON OR OFF.
 7 " DANGER SIGNAL, FOLLOWED BY STATION SIGNAL CALLS CAGE TO THAT STATION THIS SIGNAL TAKES PRECEDENCE OVER ALL OTHERS EXCEPT AN ACCEPTED BLASTING SIGNAL.

STATION SIGNALS

1-2 BELLS, COLLAR OF SHAFT.	
1-3 BELLS, 1 ST LEVEL	4-5 BELLS, 13 TH LEVEL
1-4 " 2 ND "	5-1 " 14 TH "
1-5 " 3 RD "	5-2 " 15 TH "
2-1 " 4 TH "	5-3 " 16 TH "
2-2 " 5 TH "	5-4 " 17 TH "
2-3 " 6 TH "	5-5 " 18 TH "
2-4 " 7 TH "	6-1 " 19 TH "
2-5 " 8 TH "	6-2 " 20 TH "
4-1 " 9 TH "	6-3 " 21 ST "
4-2 " 10 TH "	6-4 " 22 ND "
4-3 " 11 TH "	6-5 " 23 RD "
4-4 " 12 TH "	7-1 " 24 TH "

STATION SIGNAL MUST BE GIVEN BEFORE HOISTING OR LOWERING SIGNAL - THE ENGINEER SHALL NOT MOVE A CAGE, SKIP OR BUCKET UNLESS HE UNDERSTANDS THE SIGNAL - ONE COPY OF THIS SIGNAL CODE SHALL BE POSTED ON THE GALLON FRAME, ONE AT EACH STATION & ONE BEFORE THE ENGINEER.
 G.H. BOLL MINE INSPECTOR.

