HE 151 .D57 2000 DISCOVERAGE HISTORIC IOWA

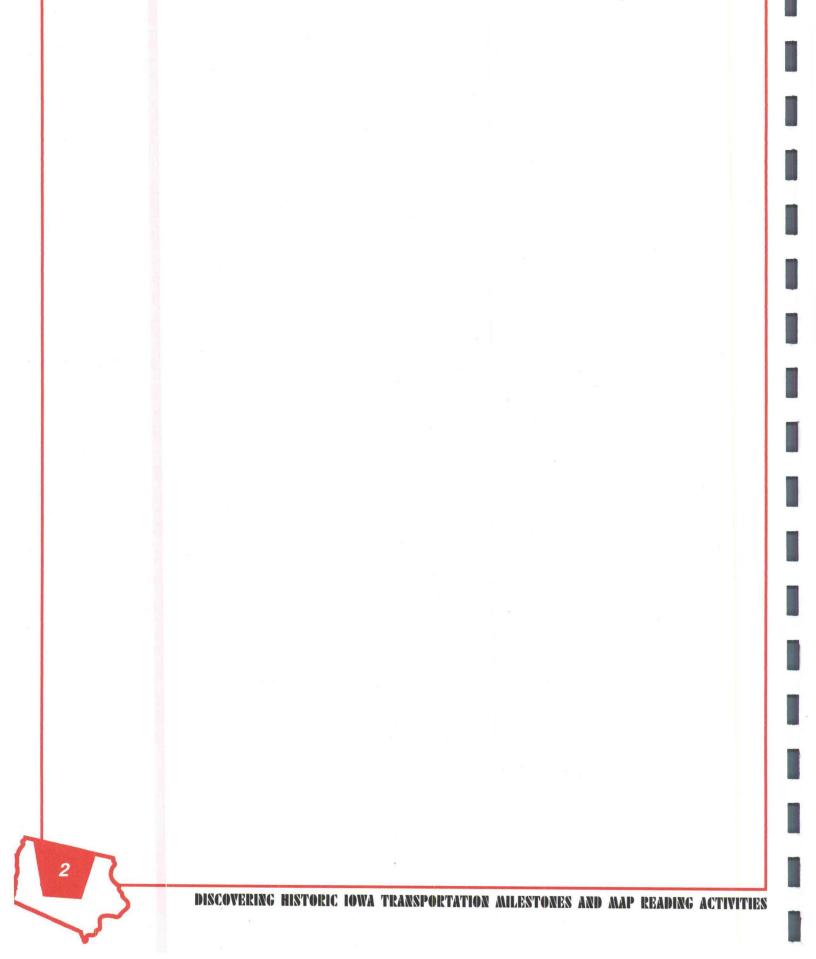
DISCOVERAGE HISTORIC IOWA TRANSPORTATION AILESTONES AND AAP READING ACTIVITIES

PROVIDED BY



Teacher's Edition

March 2000





lowa Department of Transportation

800 Lincoln Way, Ames, IA 50010

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March 2000

Dear Area Education Agency Representative or Classroom Instructor:

In celebration of the Iowa Department of Transportation's (DOT) Iowa transportation map, the enclosed materials were developed for classroom use and are being made available at no charge to you for distribution within your region.

We have used the lowa transportation map, which is one of lowa's most popular publications, the *Discovering historic lowa transportation milestones* booklet, and *A Township Map of the State of lowa, 1851* to develop the enclosed worksheets, crossword puzzle and word find activities.

If you would like to order additional copies of the Iowa transportation map, contact the Iowa Tourism Office at 1-800-345-IOWA. Iowa transportation maps can also be obtained by calling the Iowa DOT at 515-239-1372, or ordered via the Internet at: www.dot.state.ia.us

Sincerely,

Dena M. Gray-Fisher, Director Media and Marketing Services Director's Staff Division

jam

Enclosures

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WHAT CAN YOUR STUDENTS LEARN FROM THE ENCLOSED MATERIALS?

A road map will show you how you can travel from one place to another. The map will show you the borders of lowa, such as the Mississippi and Missouri rivers, surrounding states, camping sites, lakes, etc.

Students will:

- compare the modern day transportation map to a map that was created in 1851;
- look at the two maps and see that boundaries have changed, lakes have been created by manmade dams, and other information for the traveling public has changed;
- learn to locate towns, points of interest, state parks, etc., on the map;
- use the index and legend on the map and other transportation facts; and
- · complete worksheets based on the history of transportation within lowa.

INDEX OF MATERIALS USED WITH THESE LESSONS:

Maps Iowa Transportation Map

A Township Map of the State of Iowa, 1851

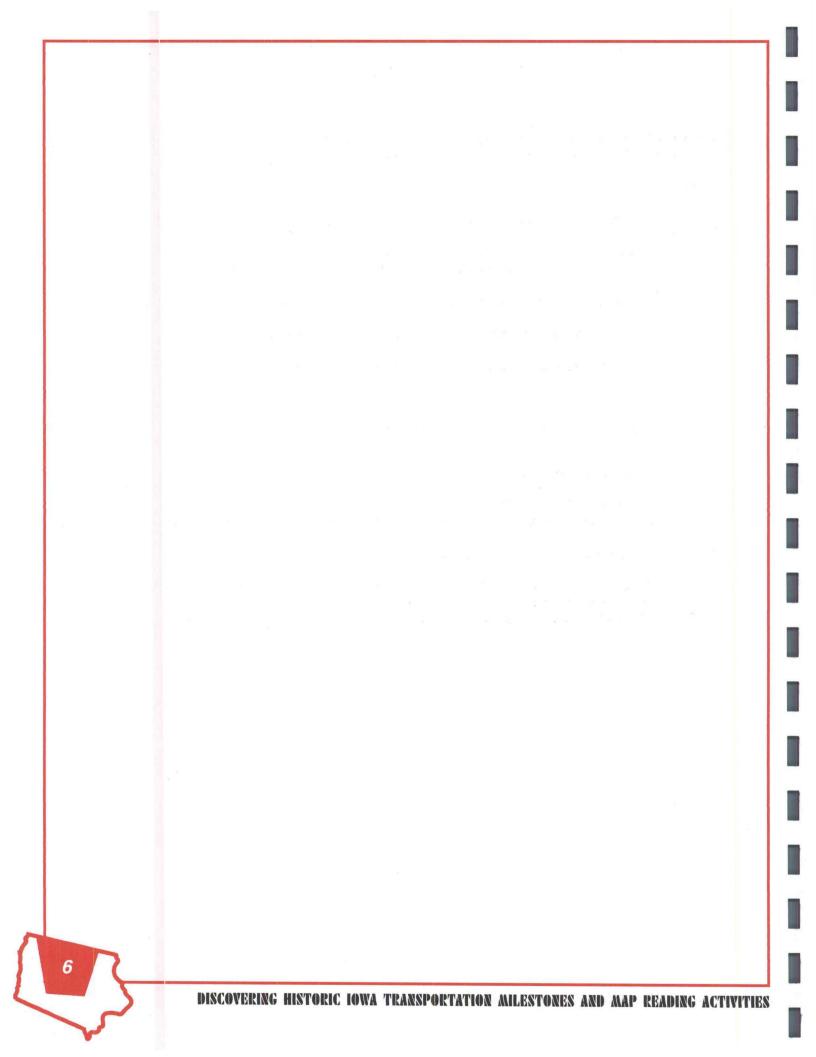
(Reprinted by permission of the Price Laboratory School at the University of Northern Iowa.)

Booklet Discovering historic lowa transportation milestones

Video A History of Iowa's Rivers, Roads, Rails & Runways

(Time: 21:05 minutes)

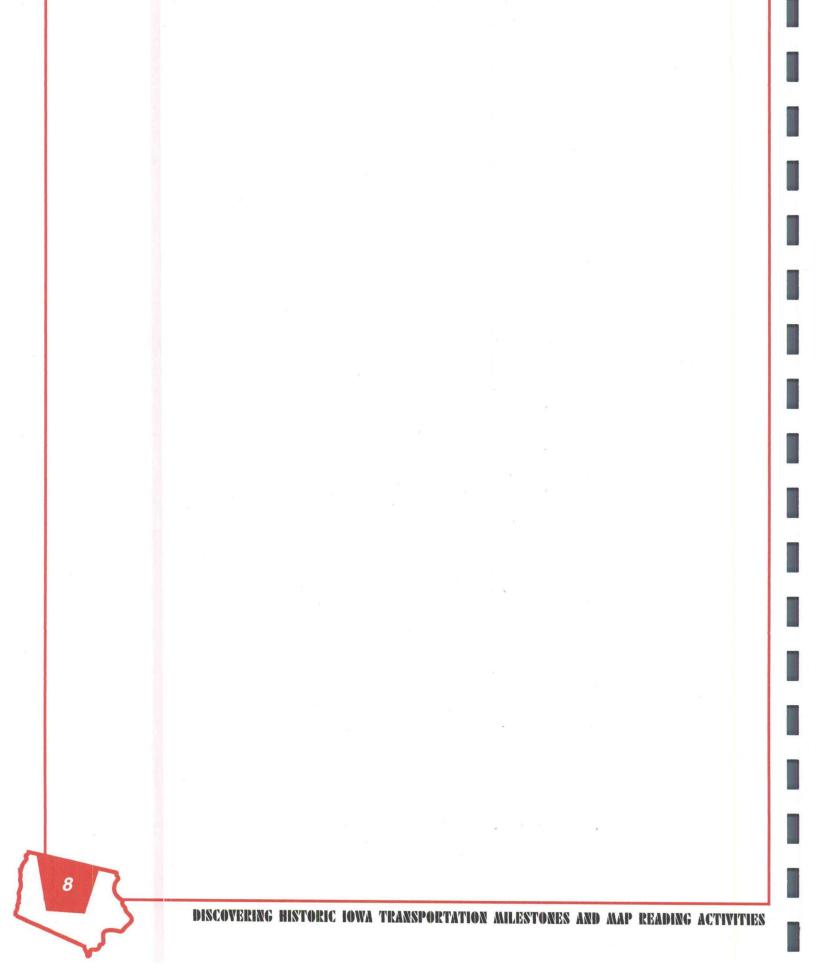
(Copies of the video are available from your Area Education Association library.)



MAP READING BASICS USING THE IOWA TRANSPORTATION MAP

Directions: Answer the following questions using the lowa Transportation Map, including the legend, the key to map symbols, the listing of cities and villages in Iowa, and the county index.

1.	One on the map equals approximately 12 miles.
2.	The legend includes information on access and route
3.	Describe each of the five "picture" symbols listed in the legend under "Air, Rail and Water."
	A D
	B E
	C
4.	The black, rectangular interstate markers at interchanges on interstate routes on the map help motorists determine the distance to the next interchange.
5.	Describe the symbol for:
	A. State Hatcheries
	B. Welcome/Information Centers
	C. County Seats
	D. Hospitals
6.	On the map, cities and villages are marked with symbols indicating their "population category." What are the six population categories?
	A. 50,000 and Over D
	B E
	C F. Unincorporated
7.	A pink dot is the symbol for a of
8.	What is the population of Wahpeton?
9.	What services are shown for Burlington?
	A
	B D
10.	How many counties are there in lowa?



IOWA TRANSPORTATION MAP MAP READING

1.	List the location of six of Iowa's Interstate Welcome Centers:
	A
	B
	C
	D
	E
	F
2.	List four state parks with camping facilities:
	A
	B
	C
	D
3.	List four state institutions:
	A
	B
	C
	D
4.	What state parks are near the following communities:
	A. Indianola
	B. Paullina
	C. Maquoketa
	D. Fayette

Work	ssheet #2 - page 2
5.	What is the population of:
	A. Brunsville
	B. Knoxville
	C. Des Moines
	D. Rockford
	E. Fort Madison
	F. Cedar Rapids
6.	Name the point of interest located in or near each of the following communities:
	A. Adair
	B. Le Mars
	C. West Bend
	D. Littleport
	E. Toolesboro
	F. Orient
	G. Agency
	H. Clarion
7.	What county seat is located at H-7?
8.	What lakes are located at D-5?
9.	Name two large, man-made lakes found on the Des Moines River.
	A
	В
10.	What river runs through Red Oak?
11.	What town is located at the intersection of U. S. 30 and U. S. 59 highways?
12.	Osceola is found at the following coordinates:

A TOWNSHIP MAP OF THE STATE OF IOWA, 1851 COMPARE IT TO THE IOWA TRANSPORTATION MAP

published by J. F. Abrahams

Directions: In this activity you are asked to compare the information shown on the 1851 map with a current transportation (highway) map of lowa.

Place an "X" in the appropriate column if the item appears on the map. If you find the item in both maps, place an "X" in both columns.

ITEM	1851 TOWNSHIP MAP OF IOWA	CURRENT HIGHWAY MAP
1. Title of Map		
2. Publisher of the Map		
3. Place of Publication		
4. Date of Map		
5. Latitude and Longitude Coordinates		
6. Mileage Scale		
7. Names of Counties		
8. Township Divisions		
9. Names of Cities and Towns		
10. Names of Rivers and Lakes		
11. Names of Surrounding States/Territories		
12. Populations of Counties		
13. Populations of Cities and Towns		
14. Roads		
15. Railroads		
16. Canals		
17. Location Index for Cities and Towns		
18. Letter and Number Coordinates		
19. Advertisements		

COMPARING MAPS

Directions: In this activity you are asked to answer the following questions using the information on both *A Township Map of the State of Iowa, 1851* and the *Iowa Transportation Map.*

Counties

1.	Which 1851 lowa county was added to an	other lowa county?
2.	List the six 1851 counties with names diffe	rent from today's counties.
	A	D
	В	E
	C	F
3.	Which three 1851 counties had different sp	pellings than they have today?
	A	C
	В	
4.	Which were the five most populous countie	es in 1851?
	A	D
	В	E
	C	•
River	s and Lakes	
1.	Name two of the four lowa lakes that have	different names today than in 1851?
	A	В
2.	Name one of the two lowa counties that ha	
3.	Name four present-day, man-made lowa la	
	A	C
	В	D
1.	How many Des Moines River dams were in	dicated on the 1851 map?

Worksheet #4 - page 2

Cities and Towns

1.	Name two of the five Iowa cities or towns s	hown on the 1851 map that no longer exist.
	A	В
2.	What were the five most populous cities in	Iowa in 1851?
	A	D
	В	E
	C	-
3.	What are the five most populous cities in le	owa today?
	A	D
	В	_ E
	C	_
4.	List four lowa county seat cities or towns to	oday.
	A	C
	В	D
5.	List five 1851 cities or towns that no longe	r serve as county seats.
	A	C
	В	D

FINDING HISTORICAL DATA USING A TOWNSHIP MAP OF THE STATE OF IOWA, 1851

Directions: In this activity you are asked to determine if the following questions could be answered with the information available on the back of the 1851 map. You do not need to answer the questions. Place an "X" in the "yes" column, if the information is available. Place an "X" in the "no" column, if the information is not available.

YES	NO	
	7	What was the distance between St. Louis, Missouri, and Dubuque, Iowa, by Mississippi River steamboat?
		2. What was the distance between Davenport and Council Bluffs by railroad?
•		3. How long did it take to travel between St. Louis, Missouri, and Davenport, Iowa, by steamboat?
		4. When did the Sioux Indian Land Cession of Northern Iowa take place?
-		5. What was the average speed of trains in the early 1850s?
		6. What was the minimum price of government land sold at public auction?
		7. What was the name of a Davenport, Iowa, real estate firm?
		8. How long did it take to travel between lowa City and St. Francis by oxen team?
		9. What mineral resources were found in lowa?
		10. What was the fare to travel by stagecoach between Iowa City and Fort Des Moines?
		11. What wild animals were found in early lowa?
		12. What was the value of Russian silver roubles?
		13. During how many months of the year was the Upper Mississippi River open for navigation?
		14. What was the population of Iowa in 1850?
		15. Was there steamboat service on the Des Moines River?

IOWA'S EARLY TRANSPORTATION SYSTEM

Directions: In this activity you are asked to find information about early lowa's transportation system on the *A Township Map of the State of lowa, 1851*.

1.	Which area of the state (northwest, southwest, central, northeast, southeast) had the months 1851?	ost roads in
2.	Which two lowa cities were linked by a plank road?	
	A B	
3.	Which three towns or settlements were not linked with other towns by roads? A	
	B	
	C	
4.	Who granted Clark, Townsend and Wheeling the charter to operate a ferry across the Mi	ssouri River?
5.	What was the distance between Davenport to Iowa City according to the table, Distances Mississippi and Missouri Railroad?	s on the
6.	On the 1851 map there is a picture of the state capitol. Name the city the state capitol w	as located in

Worksheet #7 FINDING PUBLIC LAND USING A TOWNSHIP MAP OF THE STATE OF IOWA, 1851

Directions: Find the county in which these plots of land are located using the land survey system of meridian lines and ranges shown on the face of the map.

Meridians are numbered north and south from the base line. Ranges are numbered east or west of the meridian on the base line.

Running north and south on the map are the meridians that are numbered 100 (north) to 65 (southern tip).

Running east and west near the center of the map are the ranges that are numbered 45 (west) to 4 (east).

Description of Land	County
1. Meridian 79, Range 17	
2. Meridian 76, Range 5	
3. Meridian 83, Range 17	
4. Meridian 83, Range 38	
5. Meridian 85, Range 15	

A TOWNSHIP MAP OF THE STATE OF IOWA, 1851

Directions: The following questions may be answered from the information on the back of the *A Township Map of the State of Iowa, 1851.*

What forms	of transportation are illustra	ated or described on the map?	
Α		C	
В	***	D	_
List six wild	animals named in the article	e, "The State of Iowa."	
A		D	
В	>	E	_
C		F	
В		D	_
D	,		_
		the author of The State of Iowa?	
A		C	
R			
Б			
What is the o	distance between St. Louis		

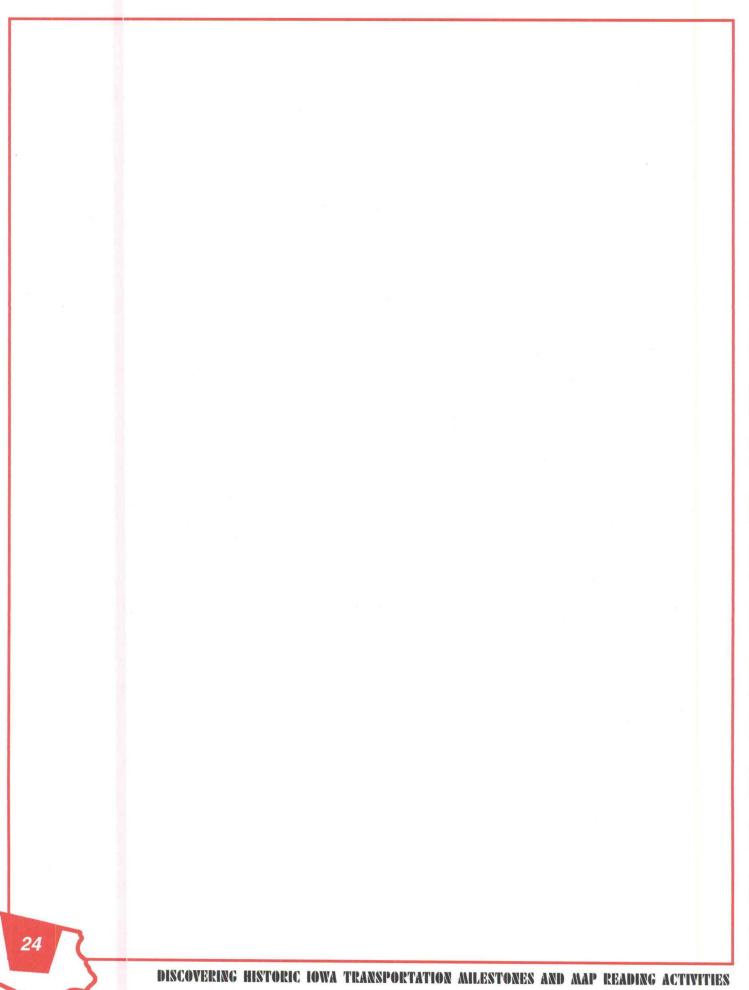
Worksheet #8, page 2 7. What is the largest lowa city on the Upper Mississippi? 8. If a steamboat traveled five miles per hour, how long would it take to travel between St. Louis and Davenport? 9. What is the northernmost lowa port listed on the table, Distances on the Upper Mississippi River?"

10. Which lowa city is incorrectly listed as being in Illinois by the table, "Distances on the Upper Mississippi River?"

Worksheet #9 IOWA HISTORY Discovering historic lowa transportation milestones

True or False Worksheet directions: Place an "X" in the appropriate column.

True	Fals	е	
		1	. Prior to the postal laws of 1845, the mail rate on the stagecoach for a folded single sheet delivered more than 400 miles was 25 cents.
		2	l. lowa had five pony express relay stations within its borders.
		3	. In 1911 the minimum age for operators of a motor vehicle was 15 years.
		4	. At one time lowa's speed limit was defined as "reasonable and proper."
		5	. lowa's first official road map was completed in 1955.
		6	. Covered bridges were built to keep people safe while riding over water.
		7	. Steamboats once reigned on both the Mississippi and Missouri rivers.
		8	. Bicycles were once called velocipedes.
		9	. In the 1800s, 28 locks and eight dams were constructed on the Des Moines River.
		10	. In 1846, lowa became the 29th state in the Union and the first free state west of the Mississippi river.
		11	. The Dragoons blazed a trail through Iowa.
		12	. The plowed path known as "The Great Road" went from Sioux City to Council Bluffs.
		13.	. During the Civil War, General Grenville Dodge built roads, bridges and railroad lines for the Union Army.
		14.	. Black paint was once used to mark roadway centerlines to prevent head-on collisions.
		15.	. The Kate Shelley Bridge was named for a teenager who saved her dog from falling off the



Worksheet #10 IOWA HISTORY Discovering historic lowa transportation milestones

Multiple Choice Worksheet

Directions: Circle the correct answer to the questions below.

1.	One of the most notable of the Pony Express riders was W	/illiam F.	'Buffalo Bill" Co	ody.
	Where was he born?			,

- A. Le Claire, Iowa
- B. Cody, Wyoming
- C. Denver, Colorado
- D. Buffalo, Iowa
- 2. lowa's first territorial legislature met in which lowa city?
 - A. Burlington
 - B. Iowa City
 - C. Des Moines
 - D. Davenport
- 3. Beginning in the 1860s, what type of vehicle gave rise to a "huge social phenomenon" in the United States, France and England?
 - A. Velocipede
 - B. Buggy
 - C. Train
 - D. Canoe
- 4. A route through lowa made up a significant part of the trail established by approximately 70,000 persons seeking refuge from religious persecution between 1846 and 1869. These travelers were of the ______ religion.
 - A. Catholic
 - B. Amish
 - C. Mormon
 - D. Protestant
- 5. In 1673 Marquette and Joliet landed their canoes on solid ground that would later be known as lowa. These explorers were from _______.
 - A. Germany
 - B. Norway
 - C. England
 - D. France

Worksheet #10, page 2

- 6. What power source was used for streetcars operating on Locust Street and Grand Avenue in Des Moines in 1886?
 - A. Horses
 - B. Steam locomotives
 - C. Electricity
 - D. Gasoline engines
- 7. Amelia Earhart saw her first airplane where?
 - A. Iowa State Fair
 - B. Chicago World's Fair
 - C. Burlington Airport
 - D. Moline, Illinois, Airport
- 8. The first section of interstate highway in Iowa opened in 1958. Where was it located?
 - A. Southwest edge of Des Moines
 - B. Davenport
 - C. Cedar Rapids
 - D. Mason City
- 9. lowa's first official road map was prepared by what department of the lowa State Highway Commission?
 - A. Women's Drafting Department
 - B. Engineering Department
 - C. Secretary's Department
 - D. None of the above
- 10. What was the total cost of the Interstate Highway System in Iowa?
 - A. Slightly less than \$500 million
 - B. More than \$750 million
 - C. More than \$1 billion
 - D. Just over \$2 billion
- 11. Which of the following were automobile builders from lowa?
 - A. Lew Arntz and William Morrison
 - B. Fred and August Duesenberg
 - C. William Colby
 - D. All of the above
- 12. lowa became part of the United States under the Louisiana Purchase in 1803. What price did the U.S. pay per acre?
 - A. \$30
 - B. \$2
 - C. 66 cents
 - D. 3 cents

Wor	ksh	eet	#1	0.	pad	e 3
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- 13. Midwest Airways Corporation operated the first scheduled airline in Iowa. In 1928, it began providing service between Des Moines and which other Iowa city?
 - A. Waterloo
 - B. Iowa City
 - C. Davenport
 - D. Council Bluffs
- 14. Professor Silas Brooks piloted the first manned balloon flight in Iowa. Where did that take place?
 - A. Indianola
 - B. Burlington
 - C. Keosaugua
 - D. Monticello
- 15. Steamboats were used for transporting passengers and cargo. The "golden age" of the Mississippi River steamboats ended when ___________________________________began to dominate transportation.
 - A. Railroads
 - B. Wagon trains
 - C. Stagecoaches
 - D. Buses
- 16. The first major improvement to navigation on the Mississippi River along the Iowa border commenced in 1867. What was that project?
 - A. Dredging of the channel
 - B. Construction of the Des Moines Rapids Canal, which included four locks, to bypass rapids
 - C. Construction of a river terminal at Keokuk
 - D. Construction of a dam at Dubuque
- 17. The construction of toll roads in Iowa was first tried in the 1850s. What material was used to surface the road that was built?
 - A. Gravel
 - B. Concrete
 - C. Mussel shells
 - D. Wooden planks
- 18. Billboards and advertising signs were banned from highway rights-of-way in 1924. Why were they banned?
 - A. Black and white were the only colors that could be used
 - B. Too many misspellings
 - C. Distracted motorists' attention from warning signs
 - D. None of the above

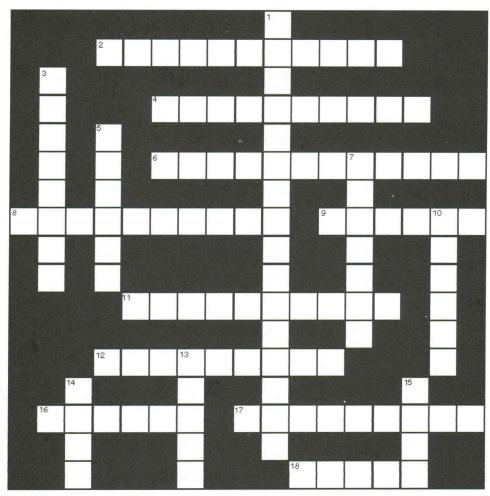
Worksheet #10, page 4

- 19. A significant "first" from Iowa was the development of a sign to improve safety on the highways. What was that sign?
 - A. Yield
 - B. No Passing
 - C. Slippery When Wet
 - D. Hidden Driveway
- 20. Lewis and Clark led an expedition to find an overland route to the Pacific Ocean. During that expedition they met with the chiefs of the Oto and Missouri Native American tribes. A monument to commemorate that event was erected near which lowa city?
 - A. Council Bluffs
 - B. Keokuk
 - C. Wapello
 - D. Osceola
- 21. How many years did it take to complete the Interstate Highway System in Iowa?
 - A. 12
 - B. 7
 - C. 23
 - D. 27
- 22. In 1926, lowa began painting a center line on every mile of primary road pavement to remind motorists to stay to the right. What color was that line?
 - A. White
 - B. Yellow
 - C. Black
 - D. Orange
- 23. The first railroad bridge over the Mississippi River was struck by the steamboat Effie Afton, prompting a lawsuit calling the bridge a hazard to river navigation. Who was the lawyer defending the railroad in this suit?
 - A. Clarence Darrow
 - B. Abraham Lincoln
 - C. William Douglas
 - D. F. Lee Bailey
- 24. In what year did lowa pass a law requiring seat belts to be used by all drivers and front seat passengers?
 - A. 1982
 - B. 1984
 - C. 1986
 - D. 1988

Wor	ks	heet	#10), pa	age	5
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- 25. How many passengers did the first commercial airline passenger flight carry from Maywood, Illinois, to lowa City, Iowa?
 - A. 1
 - B. 25
 - C. 50
 - D. 100
- 26. The first paved street in Iowa, and only the second one in the United States, was located where?
 - A. Des Moines
 - B. Le Mars
 - C. Burlington
 - D. Dubuque
- 27. Which of the following cities were two of the stops on lowa's first stagecoach route?
 - A Dubuque and Davenport
 - B. Burlington and Fort Madison
 - C. lowa City and Des Moines
 - D. Iowa City and Waterloo
- 28. The first train robbery in lowa took place on July 21, 1873. Which famous outlaw led his gang to commit this robbery?
 - A. James Taylor
 - B. John Davis
 - C. Joe Johnson
 - D. Jesse James
- 29. Which United States general was the chief engineer for the Union Pacific Railroad while the first transcontinental railroad was being built?
 - A. Washington
 - B. Dodge
 - C. Custer
 - D. None of the above
- 30. What is the longest, highest, double-tracked railroad bridge in the world?
 - A. Kate Shelley Bridge
 - B. Golden Gate Bridge
 - C. Grand Canyon Bridge
 - D. Great River Bridge at Burlington, Iowa
- 31. Iowa's oldest cities are found along which Iowa river?
 - Des Moines River
 - B. Iowa River
 - C. Mississippi River
 - D. Missouri River

Worksheet #11 DISCOVERING HISTORIC IOWA TRANSPORTATION MILESONES



DOWN

- U.S. 30 was the first paved _____highway.
- 3. Lewis and Clark explored this river.
- 5. Name the city at mile marker 34 on Interstate 80.
- This female aviator lived for a time in Des Moines and later mysteriously disappeared during an around-the-world flight.
- The _____ index appears on one side of the transportation map.
- Name the city at the junction of Iowa 9 and U.S. 65.
- 14. Name the city at the junction of U.S. 30 and U.S. 65.
- 15. Name the numeral that correctly completes both dates in the following sentence: lowa's first segment of interstate was opened in 19_8, and the last segment was completed in 198_.

ACROSS

- Denison native who captured the long-distance record of flying from New York to Berlin.
- The Federal-Aid Highway Act of 1956 was signed by this President and created a national system of interstate and defense highways.
- 6. Before 1865, cycling was called _____
- 8. lowa's first state capitol was located in this city.
- In 1673, Iowa was claimed by Father Marquette and Louis Jolliet for the country of ______.
- 11. The _____ brothers designed and built their first car, the Marvel, in Des Moines.
- The first electric streetcars went into service in this city on December 20, 1888.
- From 1846 to 1869 this trail went from Nauvoo, Illinois, through lowa to Salt Lake City, Utah.
- The first mile of portland cement concrete highway began west of this city.
- This Civil War general and citizen of Council Bluffs supervised the completion of the first transcontinental railroad.

Worksheet #12 WORD FIND #1

G S T S K E C Q G C T E E D 0 K T S C G 0 S G E VXEDCYTCF Q P RI A

Directions: Hidden words listed below run forward, backward, up, down, and diagonally. Words may share common letters. Find each word. Box it in.

AIR
AIRPORT
BUS
FLY
GAS
IOWA
MAP
PASSENGERS
RADAR
STEAM
TICKET
TROLLEY

AIRLINE
BARGE
CAR
FUEL
HIGHWAY
LATITUDE
MILE
PILOT
RIVER BOAT
STREET CAR
TRAIN

AIRPLANE
BIKE
COACH
HANGERS
INTERSTATE
LONGITUDE
MOTOR CAR
PLANE
SEAT
TAXI
TRIP

Worksheet #13 WORD FIND #2

Directions: Hidden words listed below run forward, backward, up, down, and diagonally. Words may share common letters. Find each word. Box it in.

BOATS	CAMPING	CAPITAL
CENTERS	CITIES	COLLEGES
COORDINATES	COUNTIES	DAMS
HATCHERIES	HIGHWAY	HOSPITALS
INFORMATION	KEY	LAKES
LIAR	LEGEND	MAP
MARKERS	MEDIAN	POPULATION
RAIL	RAILROADS	RAMP
REST AREAS	RIVER	SIGNS
STATE PARKS	SYMBOLS	TRANSIT
TWO LANE	VILLAGES	WELCOME

WILDLIFE

ANSWER KEYS

Worksheet #1

MAP READING BASICS USING THE IOWA TRANSPORTATION MAP

- points and route markers 2
- IN ANY ORDER
 - A. General aviation
 - B. Railroad
 - C. Scheduled commercial service
 - D. Amtrak
 - E. Locks and dams
- mileage
- A. Fish
 - B. Building
 - C. Diagonal square
 - Blue square with an "H" D.
- B. 25,000 50,000
 - C. 10,000 25,000
 - D. 5,000 10,000
 - E. 0 5,000
- point of interest
- 484
- IN ANY ORDER
 - A. Hospital
 - B. Welcome center
 - C. Airport
 - D. Amtrak station
- 10. 99

Worksheet #2

IOWA TRANSPORTATION MAP READING

- **VARIOUS** 1.
- **VARIOUS**
- **VARIOUS** 3.
- A. Lake Aquabi
 - B. Mill Creek
 - Maquoketa Caves C.
 - D. Volga River
- A. 155
 - B. 8,232
 - C. 193,189
 - D. 863
 - E. 11,618
 - 108,772
- A. First Train Robbery in the West
 - B. Historical Museum
 - Grotto of the Redemption
 - D. Conservation Center
 - E. Indian Mounds
 - Henry Wallace Monument
 - G. Grave of Chief Wapello
 - H. 4-H Historical Museum
- Cresco
- Twin Lakes
- IN ANY ORDER A. Saylorville
 - B. Red Rock
- 10. Nishnabotna
- 11. Denison
- 12. E 2

Worksheet #3

A TOWNSHIP MAP OF THE STATE OF IOWA, 1851 COMPARE IT TO THE IOWA TRANSPORTATION MAP

- X in both columns
- X in the Township Map column X in the Township Map column
- X in both columns
- X in the Township Map column 5
- X in both columns
- X in both columns
- X in the Township Map column
- 9. X in both columns
- 10. X in both columns
- 11. X in both columns
- 12. X in both columns
- 13. X in the Current Map column
- 14. X in both columns
- 15. X in both columns
- 16. X in the Township Map column
- 17. X in the Current Map column
- 18. X in the Current Map column
- 19. X in the Township Map column

Worksheet #4 COMPARING MAPS

Counties

- Bancroft to Kossuth
- Buncombe, Bancroft, Waukaw, Yell, Risley and Fox
- Chickasaw, Winneshiek and Allamakee
- IN ANY ORDER
 - A. Lee
 - B. Des Moines
 - C. Van Buren
 - D. Dubuque
 - E. Jefferson

Rivers and Lakes

- 1. ANY TWO
 - Cedar (Clear), Boyer (Black Hawk), Walled (Twin) and Boone (Chrystal)
- Bancroft OR Osceola
- IN ANY ORDER
- Saylorville, Rathbun, Red Rock and Coralville

Cities and Towns

- 1. ANY TWO
 - A. Campbell's Grove
 - B. Cartersville
 - C. Coonville
 - D. Wells Mill
 - E. Boston
- IN ANY ORDER
 - A. Burlington B. Dubuque
 - C. Muscatine
 - D. Keokuk
- E. Fort Madison
- 3. IN ANY ORDER A. Des Moines
 - B. Cedar Rapids
 - C. Davenport
 - D. Sioux City
 - E. Waterloo
- 4. VARIOUS **VARIOUS**

FINDING HISTORICAL DATA USING THE A TOWNSHIP MAP OF THE STATE OF IOWA, 1851

- 1. Yes (477 miles)
- 2. Yes (310 miles)
- 3. No
- 4. Yes (1851)
- 5. No
- 6. Yes (\$1.25 per acre)
- 7. Yes (Cook and Sargent)
- 8. Yes (12 days)
- 9. Yes (lead, zinc and iron ore)
- 10. No
- 11. Yes (various)
- 12. Yes (75 cents)
- 13. No
- 14. Yes (192,266)
- 15. No

Worksheet #6

IOWA'S EARLY TRANSPORTATION SYSTEM

- 1. Southeast
- 2. IN ANY ORDER
 - A. Muscatine
 - B. Tipton
- 3. IN ANY ORDER
 - Red Cedar, Franklin, Buena Vista
- 4. General Assembly of the State of Iowa
- 5. 55 miles
- 6. Iowa City

Worksheet #7

FINDING PUBLIC LAND USING A TOWNSHIP MAP OF THE STATE OF IOWA, 1851

- Jasper
- 2. Louisa
- 3. Marshall
- 4. Crawford
- 5. Tama

Worksheet #8

A TOWNSHIP MAP OF THE STATE OF IOWA, 1851

- 1. IN ANY ORDER
 - A. Stage Coach
 - B. Ferry
 - C. Steamboat
 - D. Railroad
- VARIOUS
 VARIOUS
- 4. IN ANY ORDER
 - A. LEAD
 - B. ZINC
 - C. IRON ORE
- 5. 212
- 6. 265
- Burlington
- 8. 71 hours 3 days
- 9. Lansing
- 10. Keokuk

Worksheet #9

IOWA HISTORY

Discovering historic lowa transportation milestones true or false worksheet

1.	True.	See page 5.
2.	False.	See page 7.
3.	True.	See page 16.
4.	True.	See page 30.
5.	False.	See page 21.
6.	False.	See page 8.
7.	True.	See page 3.
8.	True.	See page 10.
9.	False.	See page 4.
10	-	0

10. True. See page 6.11. True. See page 2.

12. False. See page 9.
13. True. See page 9.
14. True. See page 29.

14. True. See page 25.15. False. See page 15.

Worksheet #10

IOWA HISTORY

Discovering historic lowa transportation milestones

Multiple Choice Worksheet

IVICIL	PIC	CHOICE	4401	Nonce		
1.	A		See	page	7.	
2.	A		See	page	4.	
3.	Α		See	page	10.	
4.	C		See	page	6.	
5.	D		See	page	1.	
6.	C		See	page	12.	
7.	Α		See	page	22.	
8.	A		See	page	31.	
9.	A		See	page	21.	
10.	C		See	page	35.	
11.	D		See	page	12 and	13
10				2000		

12. D See page 1.
13. A See page 27.

13. A See page 27 14. B See page 6. 15. A See page 3.

16. B See page 10.17. D See page 7.18. C See page 25.

18. C See page 25. 19. B See page 32. 20. A See page 1.

21. D See page 35.22. C See page 25.23. B See page 8.

24. C See page 35. 25. A See page 27.

26. B See page 15. 27. B See page 5.

28. D See page 11. 29. B See page 9. 30. A See page 15.

31. C See page 1. 32. A See page 13.

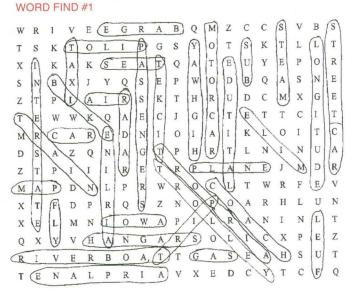
Discovering historic lowa transportation milestones

DOWN

- TRANSCONTINENTAL 1.
- 3. MISSOURI
- 5. SHELBY
- 7. EARHART
- COUNTY
- 10.
- 13. MANLY
- 14. COLO 15. FIVE

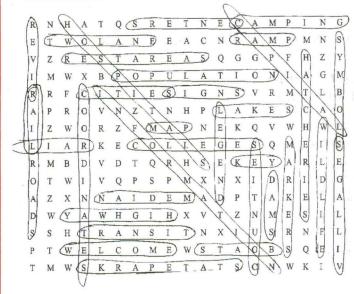
- **ACROSS**
- 2. CHAMBERLAIN
- 4. EISENHOWER
- 6. VELOCIPEDING
- BURLINGTON 9. FRANCE
- 11. DUESENBERG
- 12. DES MOINES
- 16. MORMON
- 17. MASON CITY
- 18. DODGE

Worksheet #12



Worksheet #13

WORD FIND #2





To learn more about transportation in Iowa, contact us at:



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