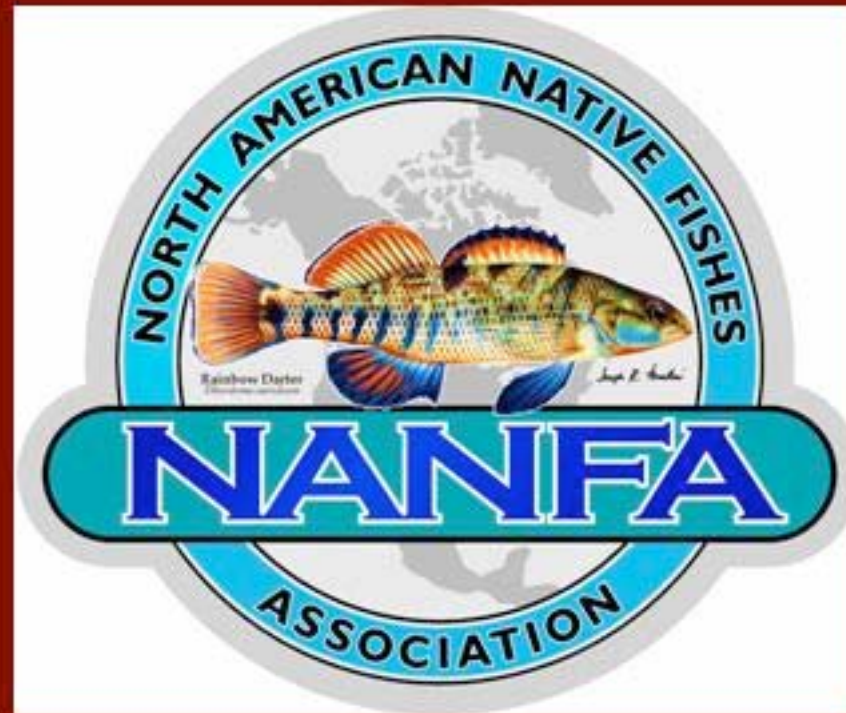
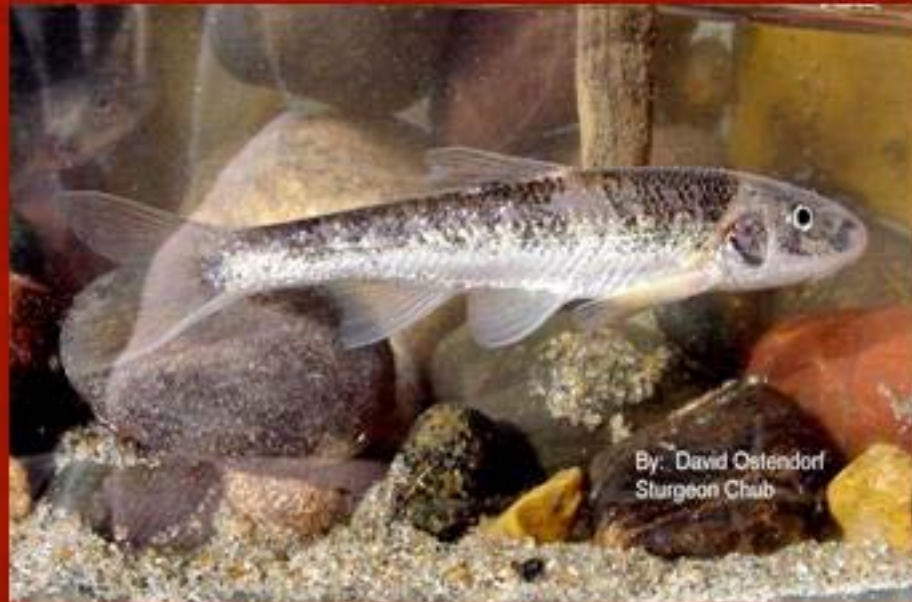


# 2006 NANFA CONVENTION

HOSTED BY THE MISSOURI DEPARTMENT OF CONSERVATION



**ESCAPE TO CAPE!!!**  
**NORTH AMERICAN NATIVE FISHES**  
**ASSOCIATION CONVENTION 2006**  
**CAPE GIRARDEAU, MISSOURI**  
**SEPTEMBER 14<sup>TH</sup>-18<sup>TH</sup>**



***Hotel accommodations to follow.....***

# VICTORIAN INN & Suites

Cape Girardeau,  
Missouri



## Victorian Inn and Suites

I-55 and William Street (Route K)  
3265 William St.  
Cape Girardeau,  
MO 63701

Tel: (573) 651-4486

Fax: (573) 651-3970

Email:  
[victorian@midamcorp.com](mailto:victorian@midamcorp.com)



Featuring FREE high speed wireless internet access & Victoria's Best Breakfast with over 25 items including Belgian waffles, the **Victorian Inn & Suites Hotel of Cape Girardeau** is located at the corner of Interstate 55 and William Street in **Cape Girardeau**. The hotel is just minutes away from all the area's activities. Our staff will be ready to assist you with directions to any destination in the greater **Cape Girardeau** area.

# Itinerary

- **Thursday, September 14**

**Arrive/Registration at the Hospitality Suite**  
**Registration: 10:00 am-8:00 pm**  
**Sign up for field trips and box lunches.**

**Hospitality Suite will be open from 4-10 pm.**

**Speaker: A. J. Hendershott: Shaping the State, 8-9 pm**  
**in the Terrace Room.**

- **Friday, September 15**

**Registration/Field Trip**  
**Mississippi River and trawling demonstration.**  
**Depart 9:00 am for the day.**

**Registration: 7:30 -10:00 am; Hospitality Suite open 7 am to 10 pm.**

- **Saturday, September 16**

**Presentations and Banquet in the Lewis and Clark Room**  
**Presentations from 8:30 am-3:50 pm**

**Banquet and Auction 6-9 pm**  
**Speaker: Bob Muller (Royal Oak Nature Society)**  
**Auction (Phil Nixon, auctioneer)**

- **Sunday, September 17**

**Field Trip and float Black River (Ozarks)**

- **Monday, September 18**

**Field Trip and float Mingo River (Swamplands)**

# SPEAKER PROGRAM

- **Thursday Night:** *A.J. Hendershott* 8:00-9:00 pm  
Shaping a State: Elements and Engineering.
- **Friday:** *Corp of Engineers* presentations aboard the  
*MVS Pathfinder (TBA)*.
- **Saturday:** Paper and Poster Sessions.
- *Robert Hrabik* (Missouri Department of Conservation): Welcome, opening remarks, and a primer on the fishes of southeastern Missouri.
- *Jeremy Tiemann* (Illinois Natural History Survey):  
Damn those dams - their effects on stream ecosystems.
- *Dr. Ray Bauer* (Dept. of Biology, University of Louisiana at Lafayette): From the river to the coast and back again: reproductive migrations of the river shrimp *Macrobrachium ohione*.

A.J. Hendershott

(cont.)

## Presentations cont.

- Nick Lang (Ph.D. Student, St. Louis University, MO)  
Hybridization in darters: Field observation, genetic investigation, and how to play God in your home aquarium.
- Aaron Schrey and Ed Heist (Ph.D. Candidate, SIU-Carbondale, IL)  
Genetic discrimination of the Pallid and Shovelnose Sturgeons.
- Todd Crail (University of Toledo, OH)  
A simple headwater sampling design for amateurs (that the professionals will want to use too).
- Christopher Scharpf (NANFA, Baltimore, MD)  
Rated NC-17: Madtom Sex in the Aquarium.
- David Neely (St. Louis University, MO), James E. Brooks, Hector Espinosa, Francisco Garcia de Leon, Dean A Hendrickson, Bernard R. Kuhajda, Richard L. Mayden, David L. Propst, Joseph R. Tomelleri, and Alejandro Varela Romero.  
Los Pecados Montanas: High-elevation biodiversity in the Sierra Madre Occidental of Mexico.

cont.

A.J. Hendershott

## Presentations cont.

- Phil Cochran, William Martin, and Bridgett Emmett (St. Mary's University, Winona, MN). History fish: Time traveling with the Lake Sturgeon in the Upper Midwest.
- Brad Pobst (Missouri Department of Conservation) and Bruce Moyer (Univ. of Cent. Arkansas)  
Population dynamics of Grotto Sculpin (*Cottus carolinæ*) in Perry County, Missouri
- Chris Kennedy (Missouri Department of Conservation)  
The Alligator Gar in Missouri, facts and fiction.
- Wayne Heaton (Texas Freshwater Fisheries Center)  
Maintaining outside aquaria at the Texas Freshwater Fisheries Center
- Ginny Adams (University of Central Arkansas)  
Distribution and status of spring cavefish in Missouri.
- Rex Strange (University of Southern Indiana)  
Habitat affinities and visual systems in darters and other percid fishes.

cont.

# Presentations cont.

- Mike Bessert (University of Nebraska)  
Only one haplotype left in Nebraska? Conservation genetics of the plains topminnow (*Fundulus sciadicus*)
- Brooks M. Burr (Southern Illinois University), Larry M. Page, and Justin Sipiorski  
Peterson Field Guide to Freshwater Fishes, 2<sup>nd</sup> edition: what it tells us about diversity.

## **POSTERS:**

- Todd Crail (University of Toledo, Ohio) and Jeff Grabarkiewicz.  
The Travellin' Fish Show
- Jeremy Tiemann (Illinois Natural History Survey)  
POSTER: Reproductive behavior of Pimephales.

A.J. Henderson



# Presentations cont.

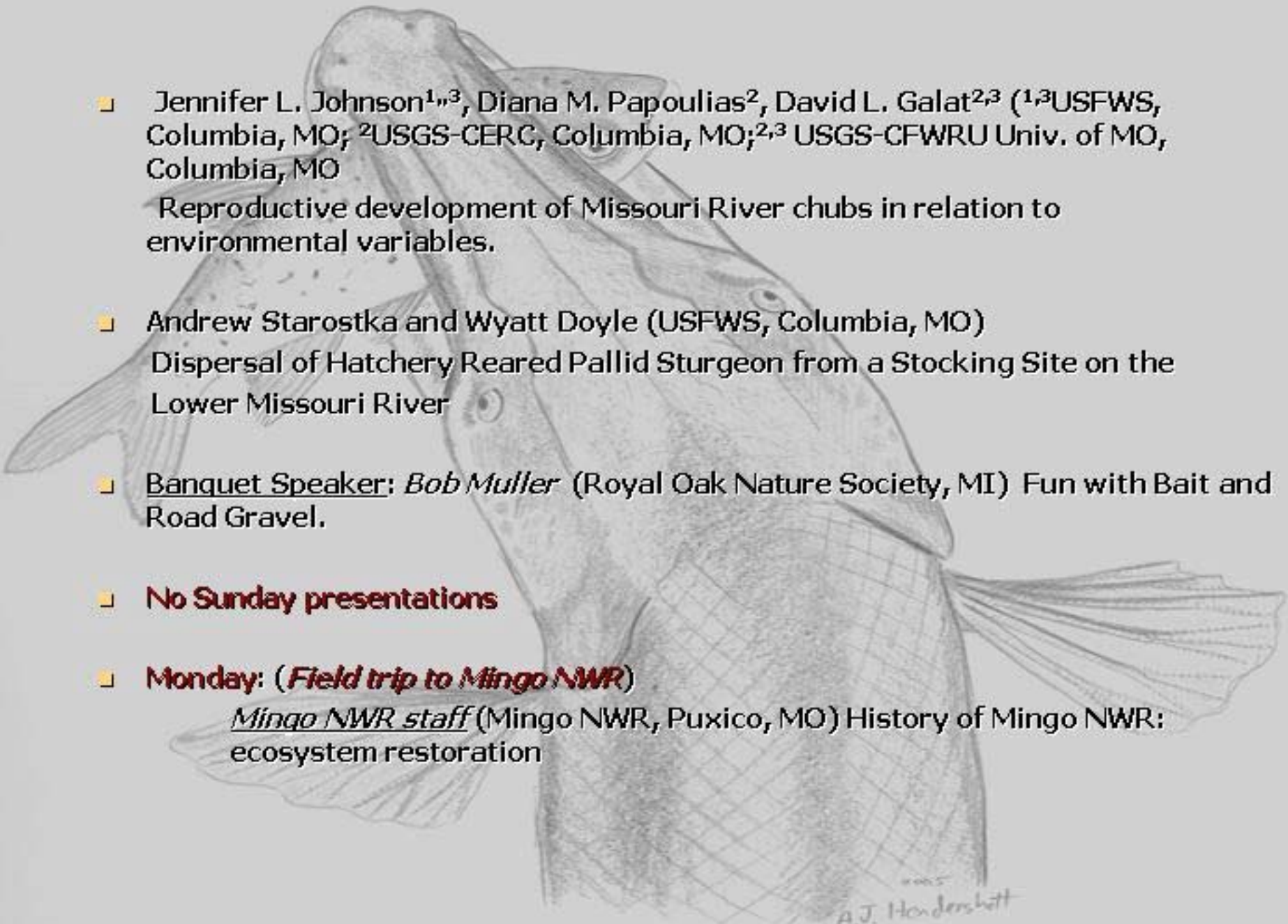
- *Doug Novinger and John Calfee* (Missouri Department of Conservation)  
POSTER: Topeka shiners in Moniteau Creek: monitoring fish, habitat, and water quality.
- *Doug Novinger and John Calfee* (Missouri Department of Conservation)  
POSTER: Monitoring Niangua Darter populations, fish community, and habitat relationships.
- *Doug Novinger and John Calfee* (Missouri Department of Conservation)  
POSTER: Monitoring Neosho Madtom populations, habitat, and fish community relationships in the Spring River, MO.
- *Brian Zimmerman* (Bowling Green State University, Ohio)  
POSTER: Seasonal changes in the micro-habitat requirements of the redbreast dace (*Clinostomus elongatus*).

A.J. Henderson

# Presentations cont.

- Andrew Plauck (USFWS, Columbia, MO)  
Trawling the Big Muddy-(video)
- Jeffery G. Stewart<sup>1</sup>, Valerie A. Barko<sup>2</sup>, David P. Herzog<sup>2</sup>, Donovan B. Henry<sup>3</sup>, Joseph W. Ridings<sup>2</sup>, James E. Wallace<sup>2</sup>, and Annette F. Kelley<sup>2</sup> (1So. Illinois Univ. Carbondale;<sup>2</sup> Missouri Dept. of Conservation;<sup>3</sup>Three Rivers Environmental Assessments, Murphysboro, IL).  
New records of the Crystal Darter (*Crystallaria asprella*) in the Middle Mississippi River.
- David P. Herzog, Valerie A. Barko, David E. Ostendorf, Joseph W. Ridings, James E. Wallace, Jason W. Crites and Robert A. Hrabik (Missouri Dept. of Conservation).  
The Mini-Missouri Trawl: A useful methodology for sampling small-bodied fish in small river systems
- Jennifer L. Johnson<sup>1,3</sup>, Diana M. Papoulias<sup>2</sup>, David L. Galat<sup>2,3</sup> (1,3USFWS, Columbia, MO; 2USGS-CERC, Columbia, MO; 2,3USGS-CFWRU Univ. of MO, Columbia, MO)  
Reproductive development of the sicklefin chub (*Macrhybopsis meeki*) in the Lower Missouri River

A.J. Henderson

- 
- Jennifer L. Johnson<sup>1,3</sup>, Diana M. Papoulias<sup>2</sup>, David L. Galat<sup>2,3</sup> (<sup>1,3</sup>USFWS, Columbia, MO; <sup>2</sup>USGS-CERC, Columbia, MO; <sup>2,3</sup> USGS-CFWRU Univ. of MO, Columbia, MO)

Reproductive development of Missouri River chubs in relation to environmental variables.

- Andrew Starostka and Wyatt Doyle (USFWS, Columbia, MO)  
Dispersal of Hatchery Reared Pallid Sturgeon from a Stocking Site on the Lower Missouri River

- Banquet Speaker: *Bob Muller* (Royal Oak Nature Society, MI) Fun with Bait and Road Gravel.

- No Sunday presentations**

- Monday: (*Field trip to Mingo NWR*)**

Mingo NWR staff (Mingo NWR, Puxico, MO) History of Mingo NWR: ecosystem restoration

A.J. Henderson

# NANFA 2006 FIELD TRIPS



The field trips were selected to offer NANFA participants the best opportunity to observe Missouri's wonderful fish diversity. We will offer a different and exciting experience by sampling fishes with unusual techniques and by using canoes to reach out-of-the-way places to enjoy Missouri's great outdoors.

# FIELD TRIP 1

FRIDAY, MISSISSIPPI RIVER



All aboard the *MVS Pathfinder* to sample a Mississippi River island habitat and to demonstrate the Missouri Trawl. Box lunches available. Steak and chicken provided or grill your own food on the *Pathfinder* in the evening on the way back to Cape. Corps of Engineers staff presentations.

# FIELD TRIP 2

SUNDAY, BLACK RIVER IN MISSOURI OZARKS



**Bring your own canoe or use one of ours for a float down the Black River, offering the greatest riverine fish species diversity in Missouri (can catch up to 60 species at a site). We will be trawling too. Box lunches available. You will be on your own for Sunday evening.**



# FIELD TRIP 3

MONDAY, MINGO RIVER, MINGO NATIONAL  
WILDLIFE REFUGE

Take a float back in time to when southeastern Missouri was a vast forested bottomland swamp. This trip will provide an unusual opportunity to see some of Missouri's rarest aquatic creatures. Many state-listed species live in Mingo NWR. Conference ends mid to late afternoon. Drive home safely.

# *A Gallery of Missouri Fishes*



River Darter (*Percina shumardi*)



Blue Sucker (*Cycleptus elongatus*)

## *Mississippi River*



# *A Gallery of Missouri Fishes*



**Sturgeon Chub (*Macrhybopsis gelida*)**

*Mississippi River*



**Stonecat (*Noturus flavus*)  
small and large-eyed forms**

# *A Gallery of Missouri Fishes*



Gilt Darter (*Percina evides*)



Golden Redhorse  
(*Moxostoma erythrurum*)

*Black River*

# *A Gallery of Missouri Fishes*



**Stargazing Darter (*Percina uranidea*)**

**Saddleback Darter (*Percina vigil*)**

*Black River*

# *A Gallery of Missouri Fishes*



**Taillight Shiner (*Notropis maculatus*)**



**Starhead Topminnow  
(*Fundulus dispar*)**

*Mingo Basin*

# *A Gallery of Missouri Fishes*



**Dollar Sunfish (*Lepomis marginatus*)**



**Brown Bullhead (*Ameiurus nebulosus*)**

## *Mingo Basin*



**Banded Pygmy Sunfish (*Elassoma zonatum*)**

# GREAT T-SHIRT THAT EVERYONE WILL WANT TO HAVE!!!!!!

YOU WILL BE ABLE TO ORDER T-SHIRTS SOON.



*Want to know more about Cape? Keep watching, or press ESC to end*

# CAPE GIRARDEAU

WHERE THE RIVER TURNS A THOUSAND  
TALES.

- **MANY**
  - **ATTRACTIONS**
  - **SHOPPING**
  - **ANTIQUA STORES**
  - **FAMILY**
  - **ENTERTAINMENT**
  - **TRAIL OF TEARS**
  - **STATE PARK**
- **GREAT RESTAURANTS**
  - **HISTORY:**
    - LEWIS & CLARK
    - ULYSSES S. GRANT
    - MARK TWAIN





In his book *Life on the Mississippi*, author Mark Twain recorded his visual encounter with Cape Girardeau through his description of two grand educational institutions. Says Twain, " **Cape Girardeau is situated on a hillside, and makes a handsome appearance.**" There is a great Jesuit school for boys at the foot of the town by the river. Uncle Mumford said it had as high a reputation for thoroughness as any similar institution in Missouri. There was another college higher up on an airy summit - a bright new edifice, picturesquely and peculiarly towered and pinnacled -a sort of gigantic castles, with the cruetts all complete."

The "Jesuit School for Boys" referred to by Twain is known today as **St. Vincent's Seminary**. The Vincentian fathers operated the seminary until its closure in 1979.

The "towered and pinnacled" college, (the Normal School) was a grand Victorian building. Since removed from the site due to a devastating fire, the original location has grown to be the campus of Southeast Missouri State University.

In keeping with the visions of Mark Twain, the two properties are bound together once again. The University Board of Regents has recently announced their vision of rehabilitating and adding to the old St. Vincent's Seminary creating the **Southeast Missouri State University School of Performing and Visual Arts**, housing a museum, theater and interpretive center.

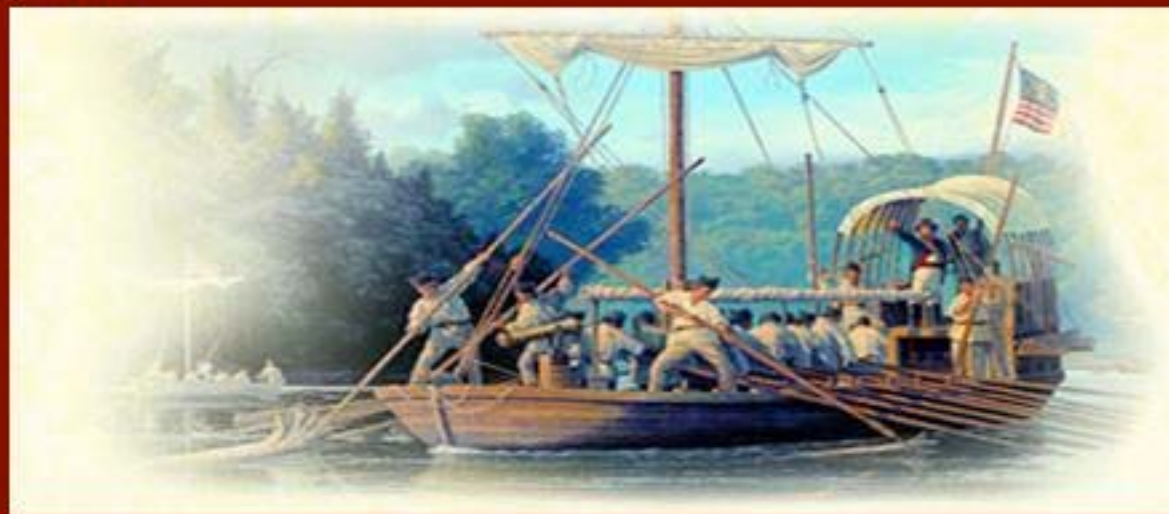


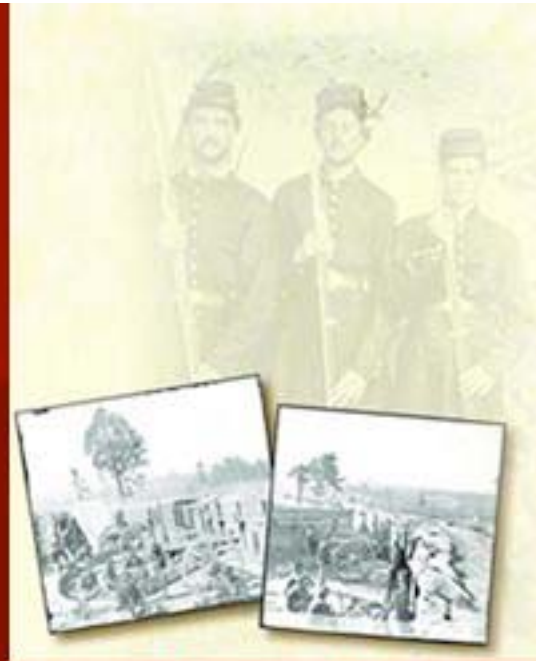


**Lewis & Clark Visit Cape Girardeau** Meriwether Lewis and William Clark visited Cape Girardeau as they traveled together on their historic Corps of Discovery expedition. It was November 23, 1803 when the explorers and their crew stepped onto Missouri soil at Cape Girardeau.

In his journal, Lewis described the colorful residents of the Cape Girardeau community, and his visit with the Commandant of the territory and community founder, Louis Lorimier. Lewis met Lorimier at a local horse race, where Lorimier was heartily involved in settling disputes over wagers. Lewis wrote about the Shawnee wife of Louis Lorimier and their "handsome" daughter whom Lewis described as "the most descent looking female I have seen since I left the settlement in Kentucky."

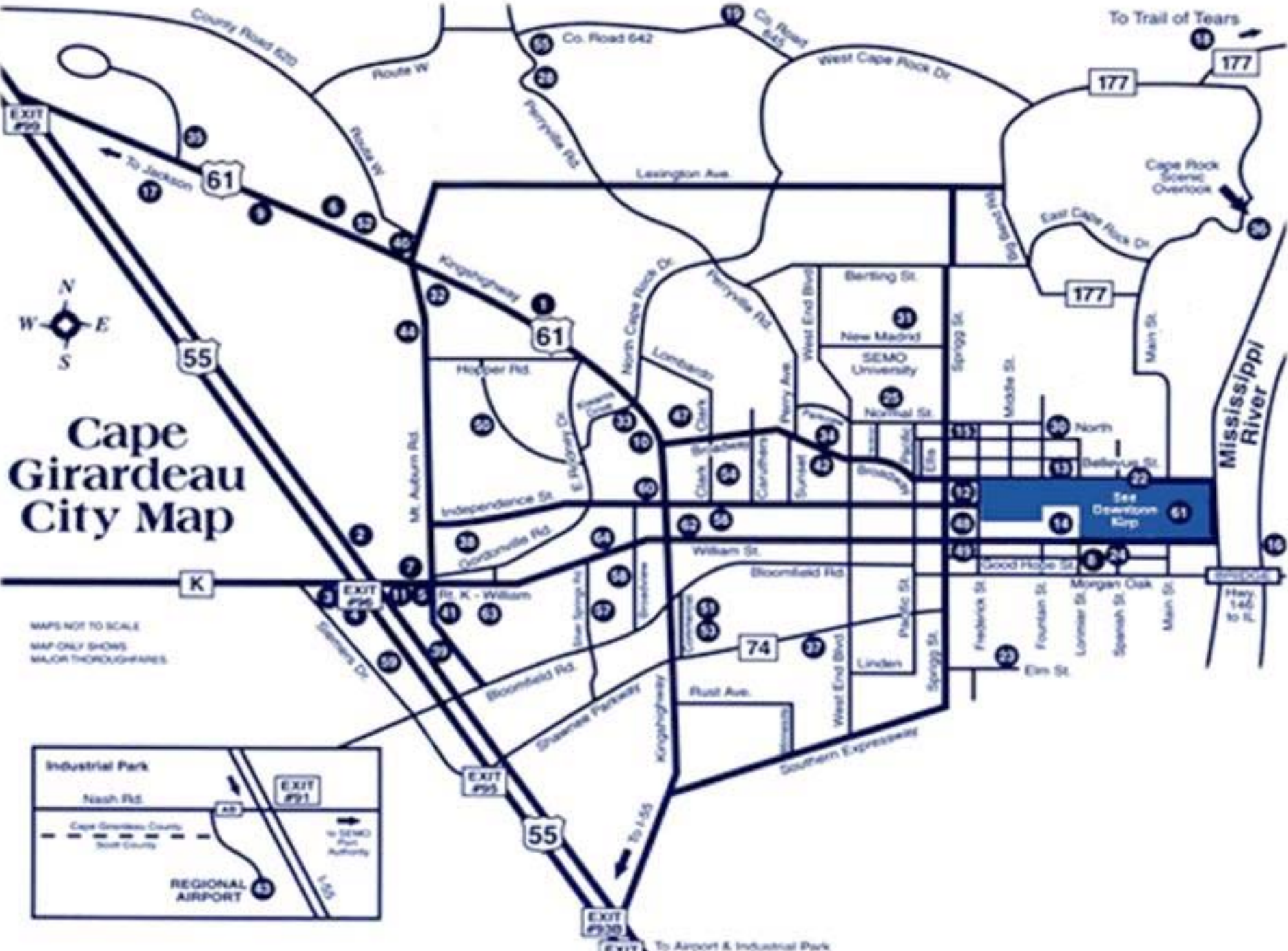
Lewis also described the physical characteristics of Lorimier himself, including the extraordinary length of Lorimier's hair. Standing at approximately 5'8" in height this dark-skinned, dark-eyed and dark-haired French born entrepreneur boasted a mane of hair that would be spoken of for generations to come. According to Lewis' journals, Lorimier accounted that his dark, well-kept tresses were "long enough at one point that they touched the ground when he was standing erect."





In his biography of Ulysses S. Grant, author Jean Edward Smith in "Grant" (New York, NY: Simon and Schuster, 2001), relates the following story: "On August 30, 1861, Grant assumed command of the Union Army on the Mississippi. He was at Cape Girardeau, 120 miles below St. Louis, on the west bank of the river looking south. Suddenly, uncharacteristically, Grant was awed by his responsibility. 'You should be cheerful and try to encourage me,' he wrote Julia (his wife). 'I have a task before me of no trifling moment and want all the encouragement possible. The safety of the country, to some extent, and my reputation and that of our children, greatly depends upon my acts.'" Grant concluded his thoughts with the sobering statement, "All I fear is that too much may be expected of me."

With such rich stories, it is easy to see how Cape Girardeau has come to be known as the city where the river turns a thousand tales.

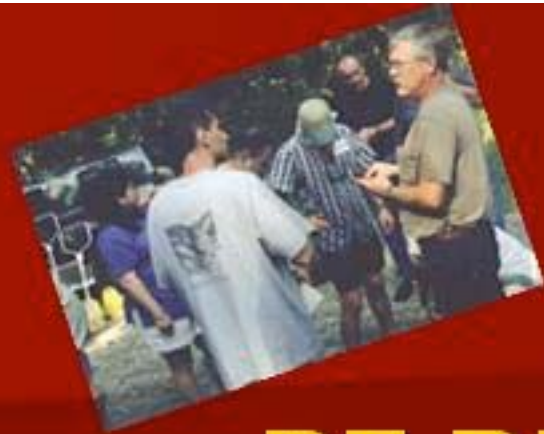


# Cape Girardeau City Map

MAPS NOT TO SCALE  
 MAP ONLY SHOWS  
 MAJOR THOROUGHFARES



To Airport & Industrial Park



**BE READY  
TO HAVE A  
GREAT  
TIME!!!**

THE MAIN PURPOSE IS TO  
GATHER LOTS OF  
INFORMATION, RENEW  
OLD FRIENDSHIPS  
AND MAKE NEW ONES,  
AND HAVE FUN!



**Press ESC to end**