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# NEW ENGLAND

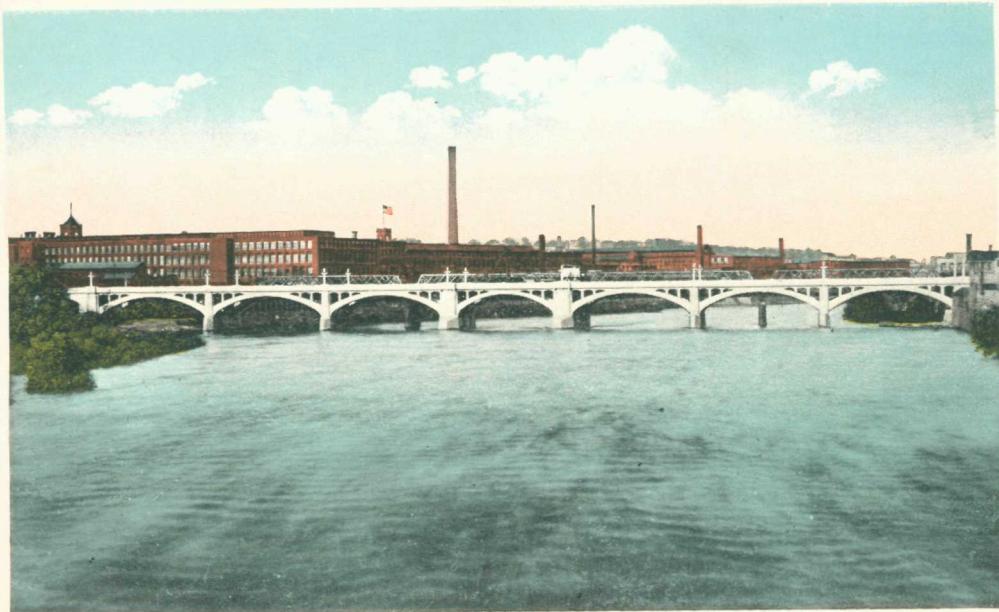
CONNECTICUT  
MAINE  
MASSACHUSETTS  
NEW HAMPSHIRE  
RHODE ISLAND  
VERMONT



# OLD NORTH BRIDGE

## Lexington-Concord, MA

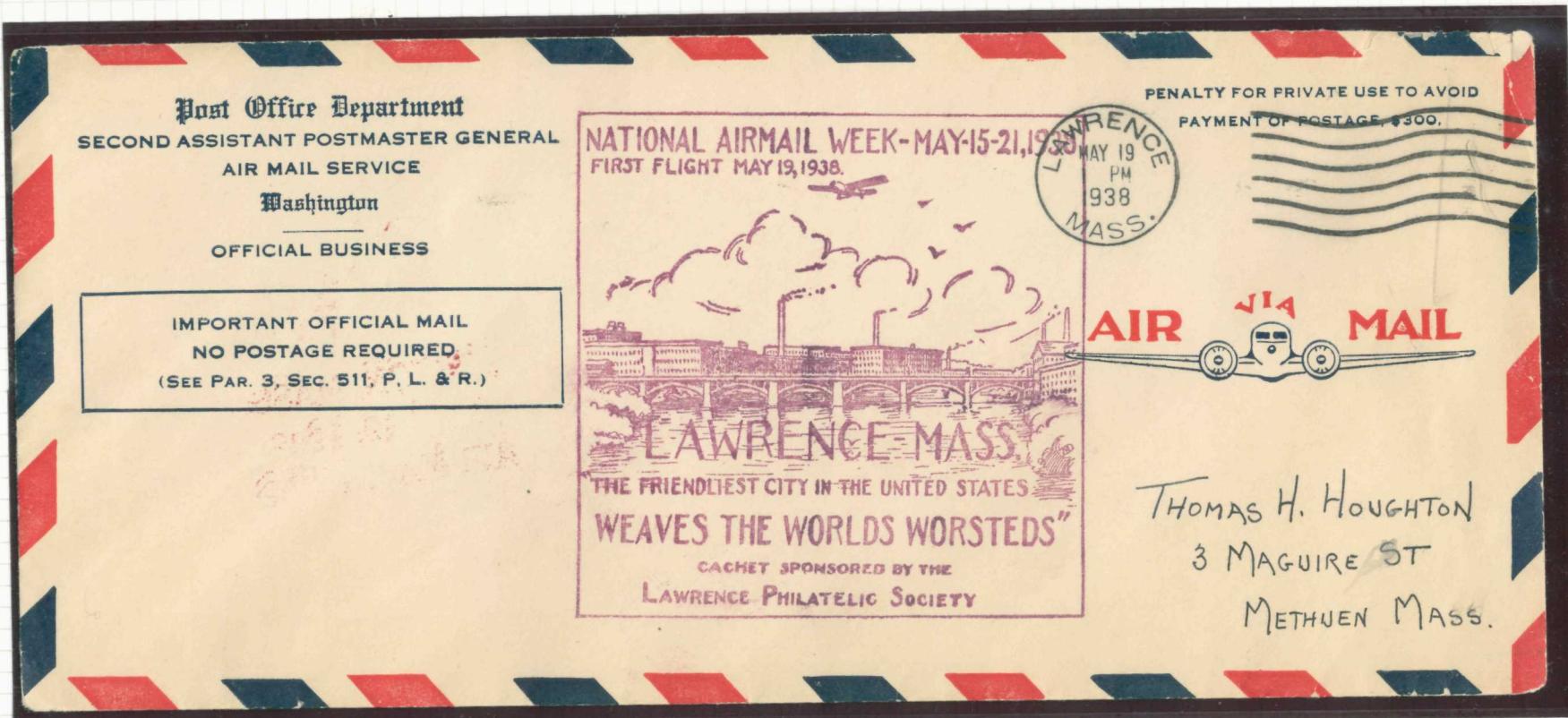




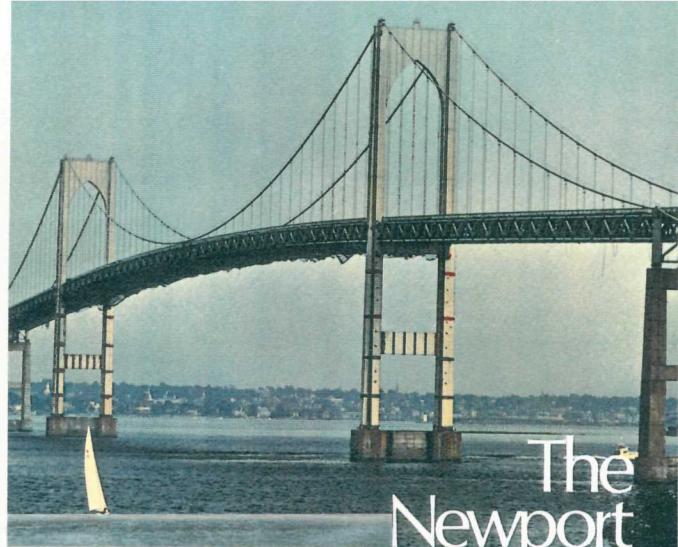
CENTRAL BRIDGE, MERRIMAC RIVER, LAWRENCE, MASS.

## LAWRENCE, MASS.

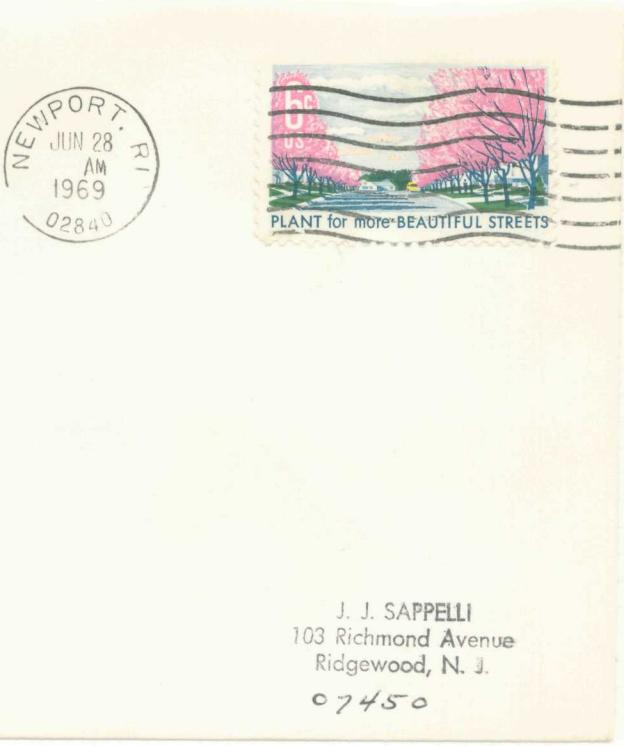
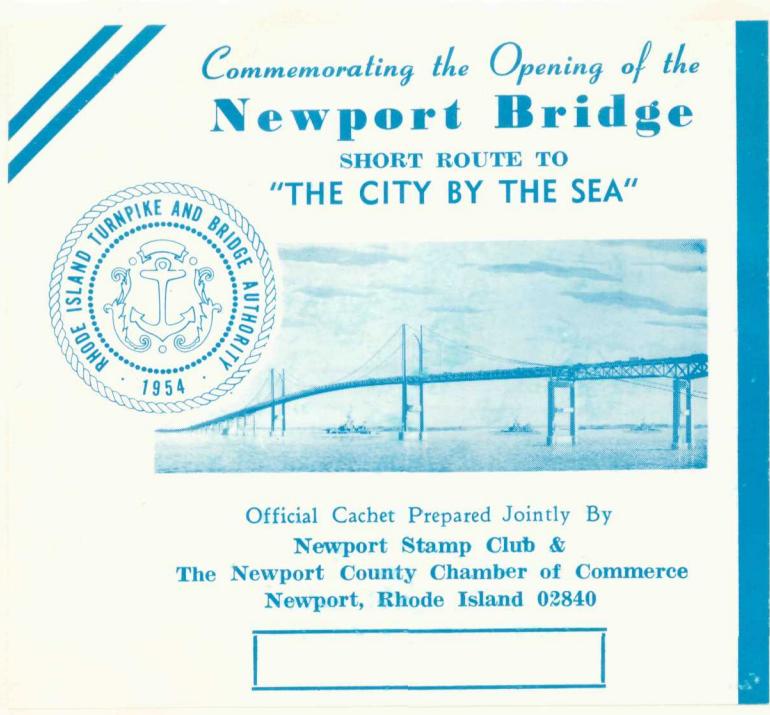
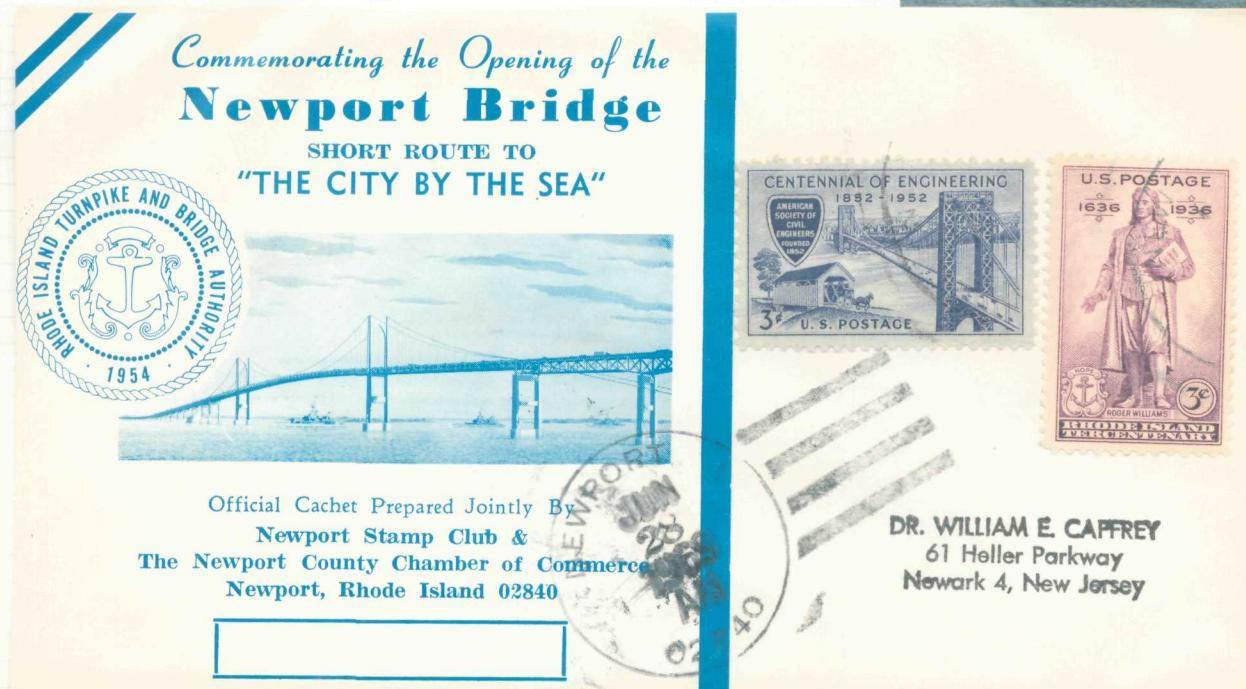
Central Bridge across  
Merrimac River

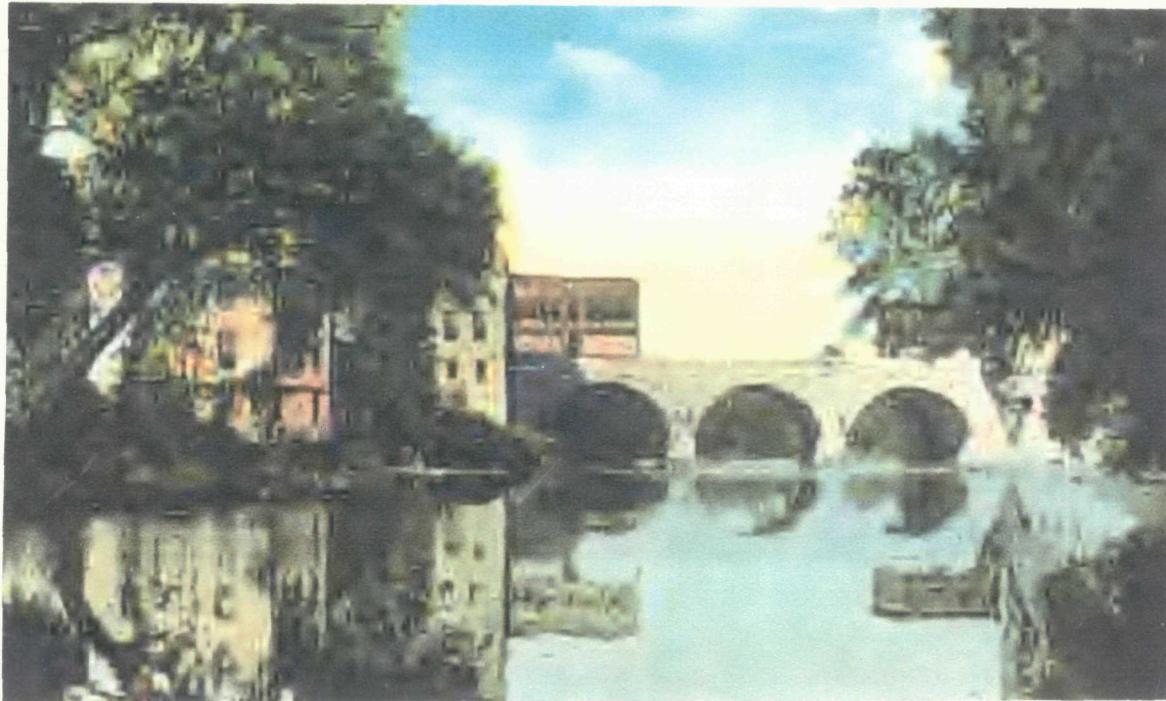


The 11,248 ft long Newport Bridge across Narragansett Bay connects Jamestown on Conanicut Island with Newport, RI. The main part of the crossing is a suspension bridge with a main span of 1600 ft and side spans of 688 ft. The bridge was designed by Parsons, Brinckerhoff, Quade & Douglas. The substructure was built by Perini Corporation and the superstructure steel work was constructed by Bethlehem Steel Corporation. On this bridge, shop fabricated parallel wire strands and glass-reinforced plastic covering were used for the first time for construction of the cables.



**The  
Newport  
Bridge...**





## MIDDLEBURY, VT

Battell Bridge  
across Otter Creek



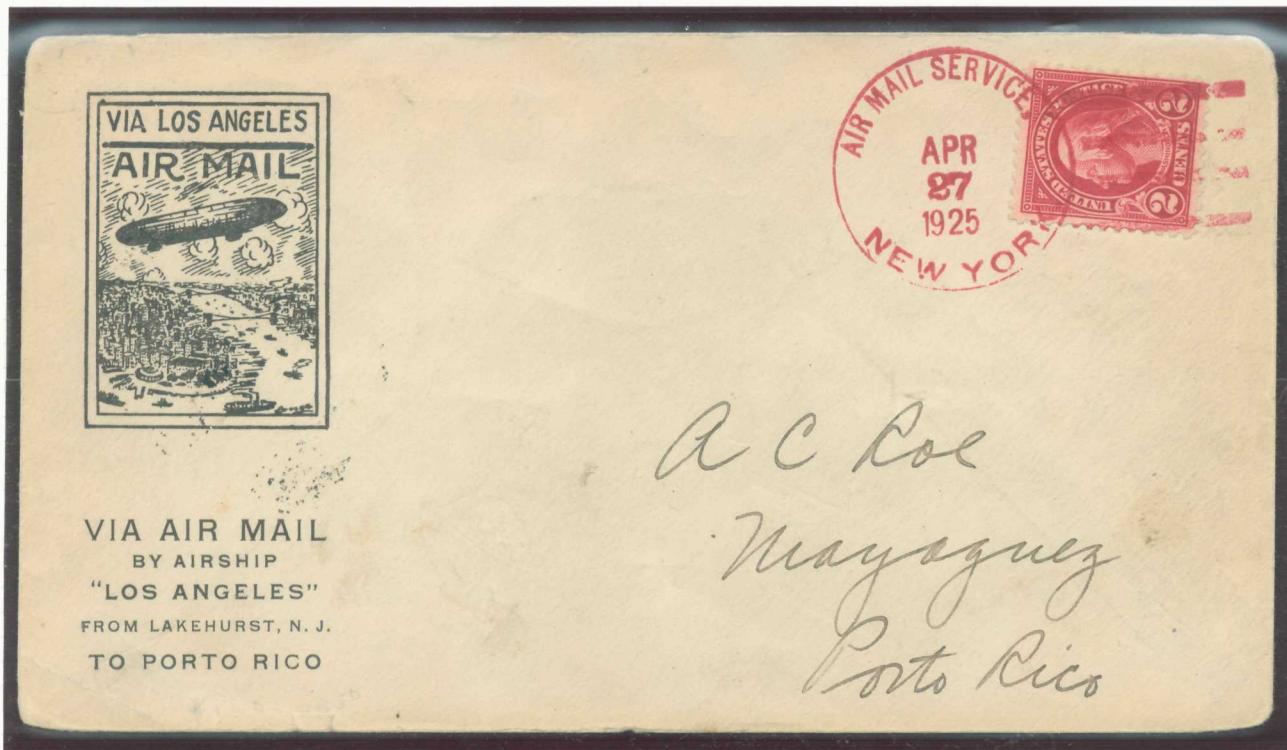
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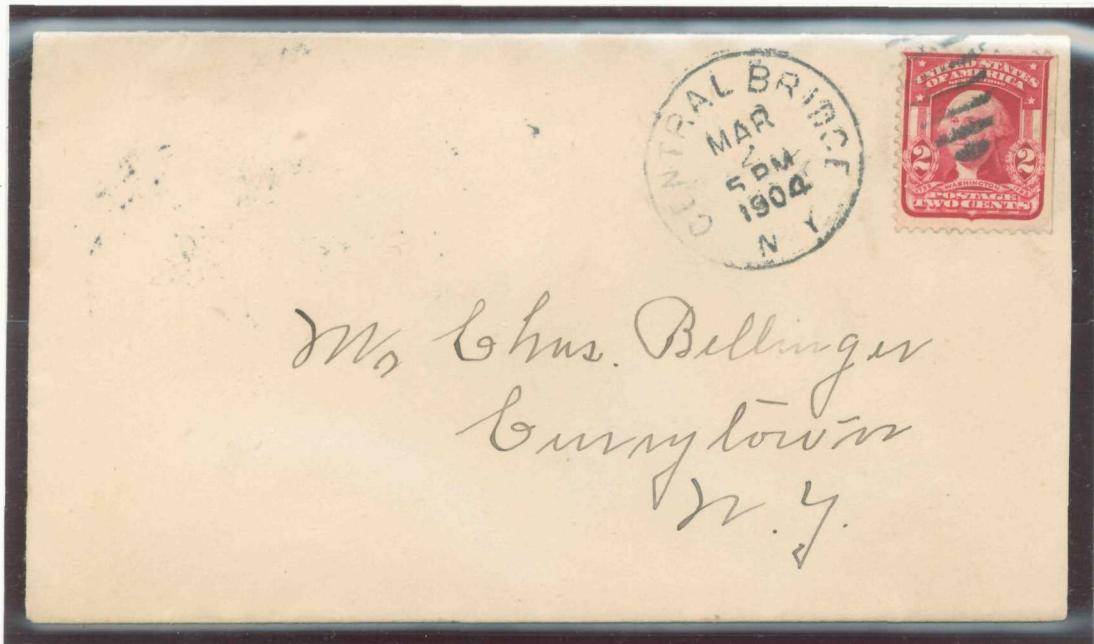
# MIDDLE ATLANTIC

NEW JERSEY  
NEW YORK  
PENNSYLVANIA

# NEW YORK CITY East River Bridges

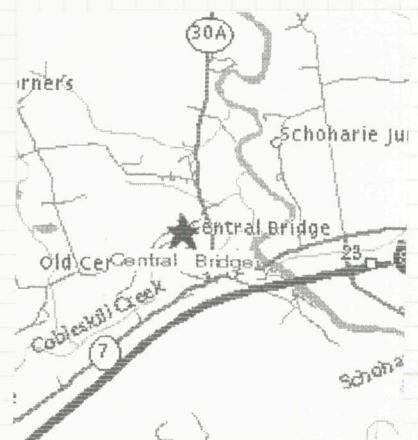
Airship Los Angeles flying over  
**MANHATTAN BRIDGE**  
**BROOKLYN BRIDGE**





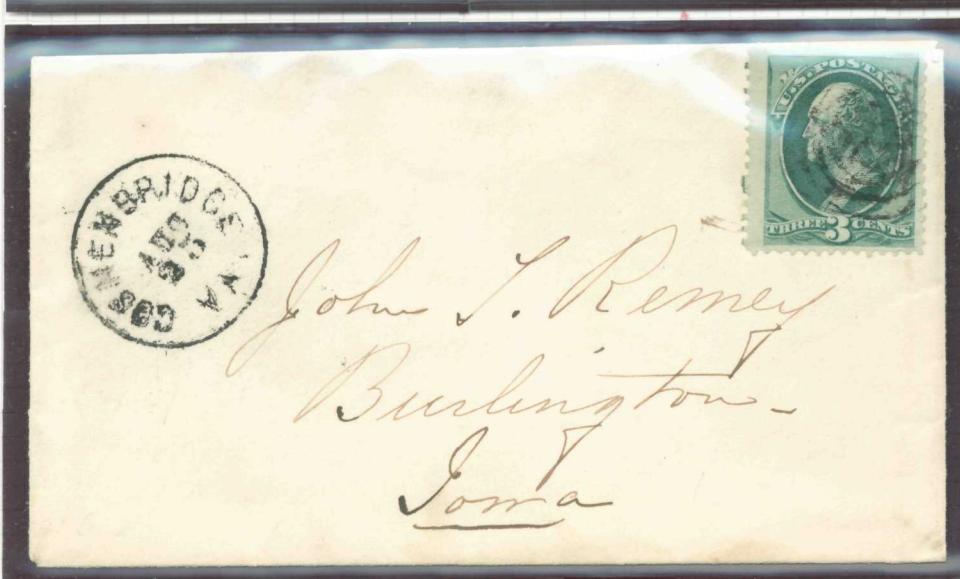
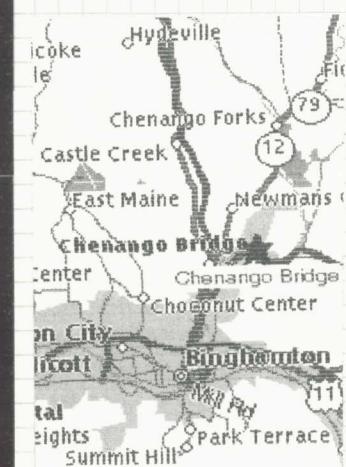
### CENTRAL BRIDGE, NY

30 miles west of Albany



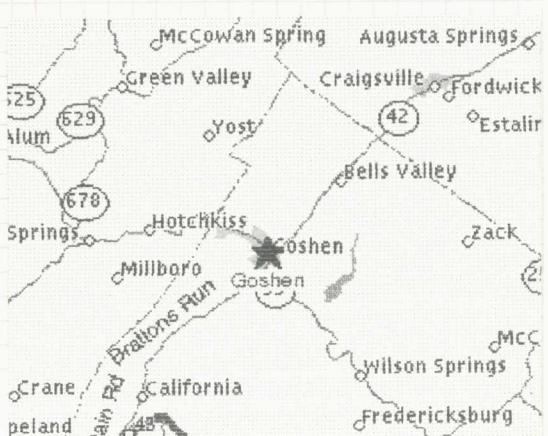
### CHENANGO BRIDGE, NY

5 miles north of Binghamton



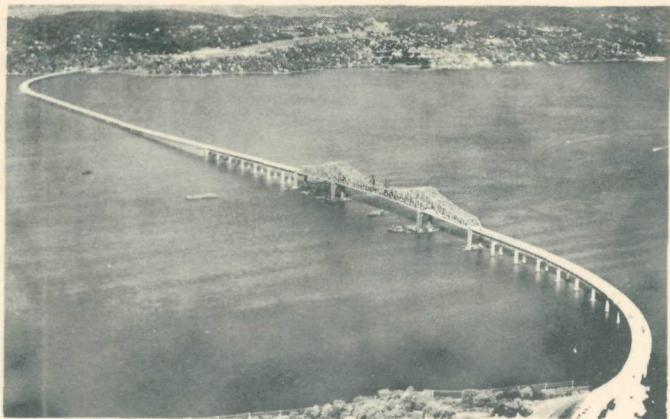
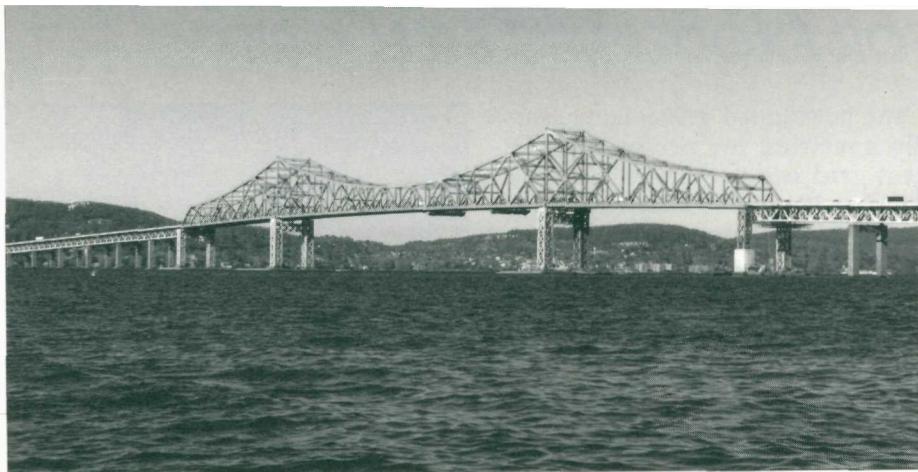
### GOSHEN BRIDGE, VA

30 miles southwest of Staunton, VA



# TAPPAN ZEE BRIDGE

The bridge carries the New York State Thruway across the Hudson River between Nyack and Tarrytown.  
Total length of the 6-lane, 90 ft wide structure is 15,300 ft.  
The main structure is a 3-span cantilever truss with a center span of 1,212 ft and side spans of 601'-9", providing a clearance of 149 ft.  
Designed by Madigan-Hyland under Captain Emil H. Praeger.  
Foundation construction by Merritt-Chapman & Scott and Foundation Aggregates Corporation.  
Steel Fabrication and Erection by American Bridge Division of United States Steel Corp.  
Total Cost: \$60 Million.



DEDICATION  
**TAPPAN ZEE BRIDGE**  
NYACK to TARRYTOWN  
DECEMBER, 1955

NYACK  
DEC  
15  
1955  
N. Y.

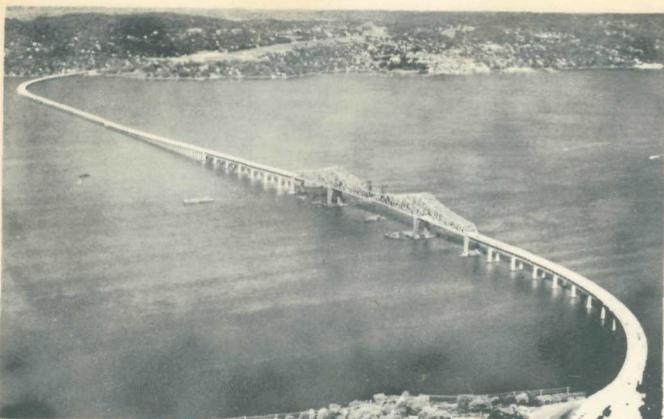


TAPPAN ZEE BRIDGE  
DEDICATION CEREMONY

Mrs. L. Glazner

Wilshire Ave.

Warrenville Plainfield N.J.



DEDICATION  
**TAPPAN ZEE BRIDGE**  
NYACK to TARRYTOWN  
DECEMBER, 1955

NYACK  
DEC  
15  
1955  
N. Y.



CENTENNIAL OF ENGINEERING  
1852 - 1952  
AMERICAN SOCIETY OF CIVIL ENGINEERS  
CENTENNIAL CELEBRATION  
3¢ U.S. POSTAGE

TAPPAN ZEE BRIDGE  
DEDICATION CEREMONY

James Bodenham

7548-Circle Hill-Dr.

Oakland 5-Calif.

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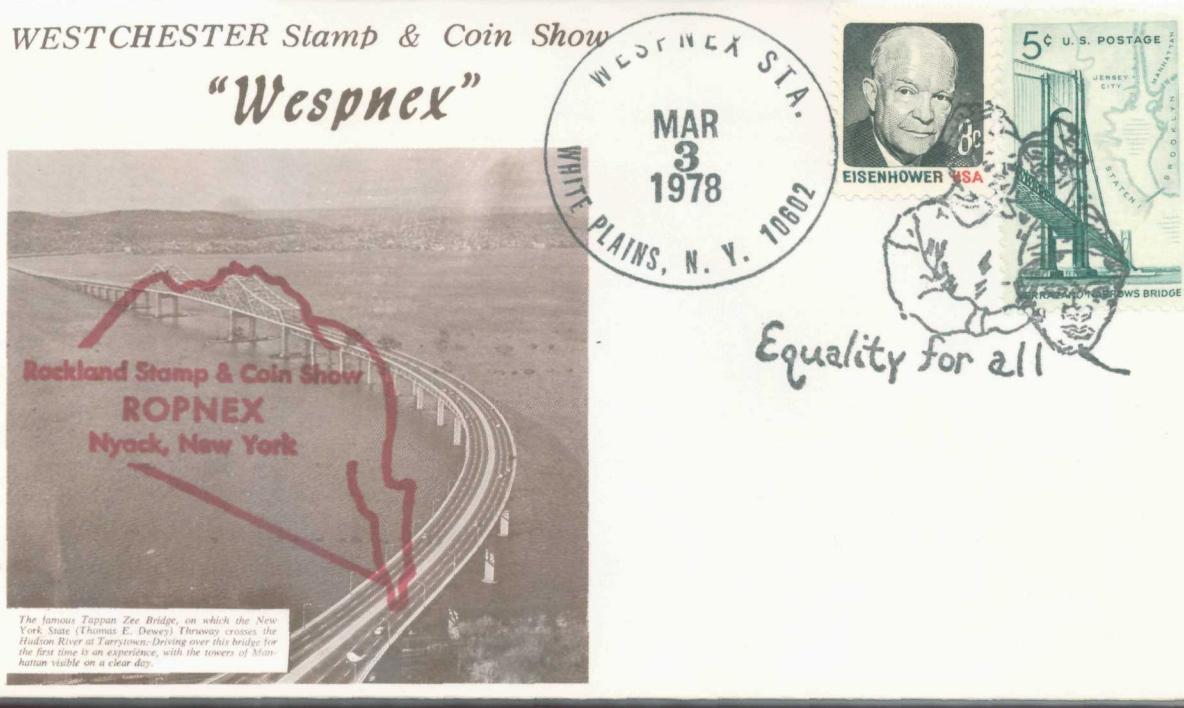
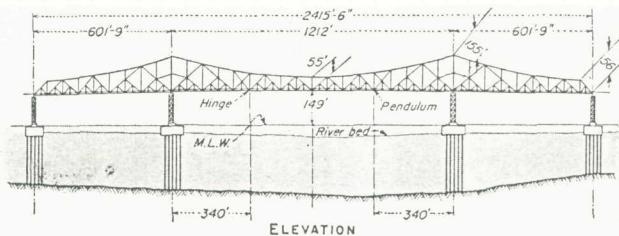
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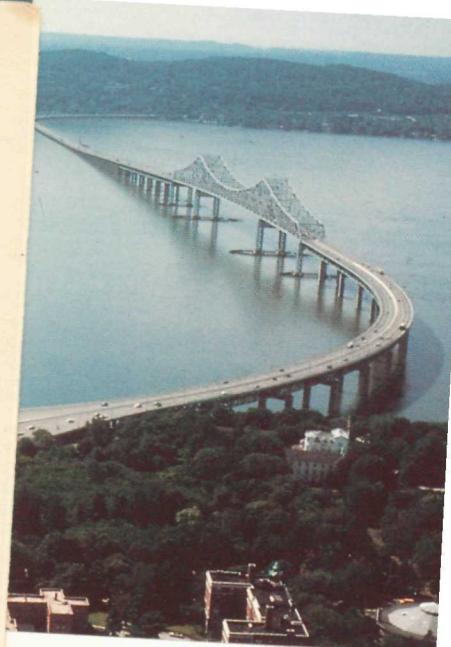


NYACK  
DEC  
15  
1955  
N.Y.

TAPPAN ZEE BRIDGE  
DEDICATION CEREMONY



R J Heller  
1530 Archer Road  
Bronx 62 NYC



NYACK  
DEC  
15  
1955  
N.Y.

TAPPAN ZEE BRIDGE  
DEDICATION CEREMONY

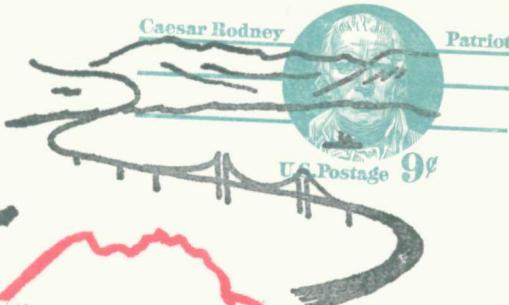


UNITED NATIONS  
ROPNEX  
1977  
NYACK  
NY



Double Cancellation  
Dec. 15, 1955  
April 8, 1977

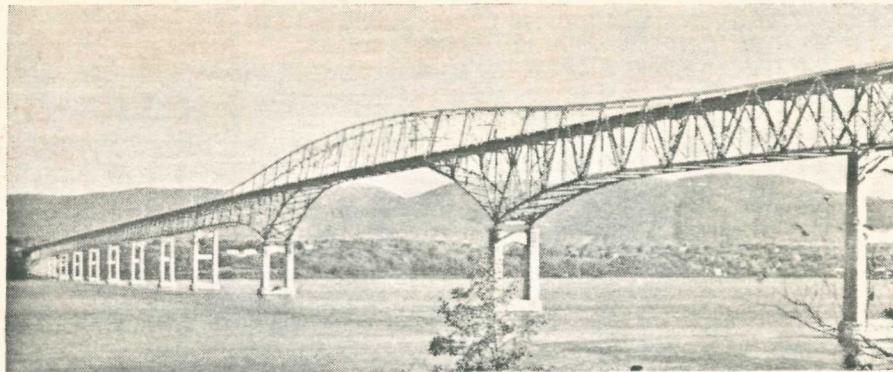
ROPNEX STA.  
APR  
8  
1977  
NYACK, N.Y. 10960



UNITED NATIONS  
ROPNEX  
1977  
NYACK  
NY

Rockland Stamp & Coin Show  
ROPNEX  
Nyack, New York

**TAPPAN ZEE  
BRIDGE**



## NEWBURGH BEACON BRIDGE

Newest bridge across the Hudson—this mile and a half deck truss and cantilever span—carries Interstate Route 84 between Newburgh and Beacon, N.Y. Opened by Governor Rockefeller on November 2, it ends the last and oldest ferry service across the river.

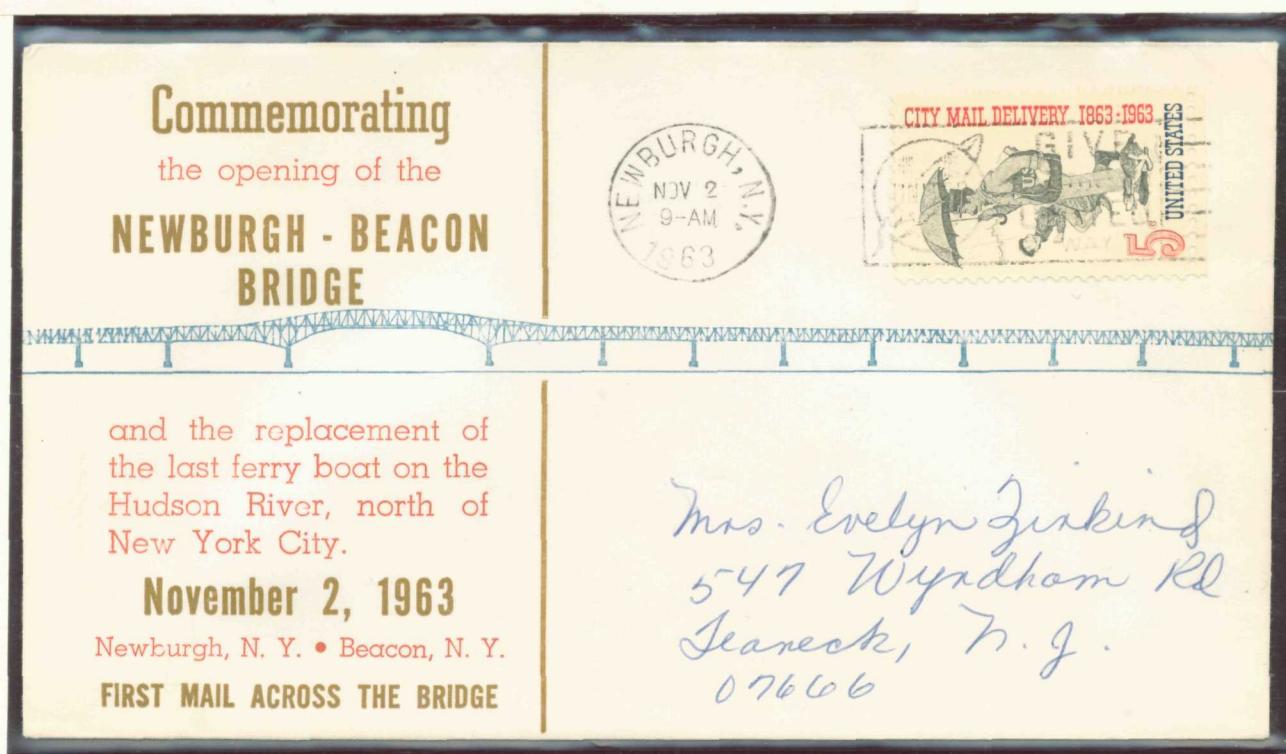
### Newburgh-Beacon Bridge Across Hudson Dedicated

A key link in the interstate highway connecting the Midwest and New England was forged on November 2, when Governor Rockefeller opened the Newburgh-Beacon Bridge across the Hudson. The bridge is a 7,800-ft deck-truss structure with a cantilever section. The three-span main channel crossing has 602-ft side spans and a 1,000-ft through-truss center span, allowing 135-ft clearance for river traffic. Simultaneously with the dedication of the bridge, New York State opened sections of Route 84 linking the Thruway, Routes 9 and 9W on both banks of the Hudson, and the Taconic Parkway in Dutchess County.

The structure is the eighth toll span on the Hudson between Manhattan and Albany. The others are the George Washington, Tappan Zee, Bear Mountain, Mid-

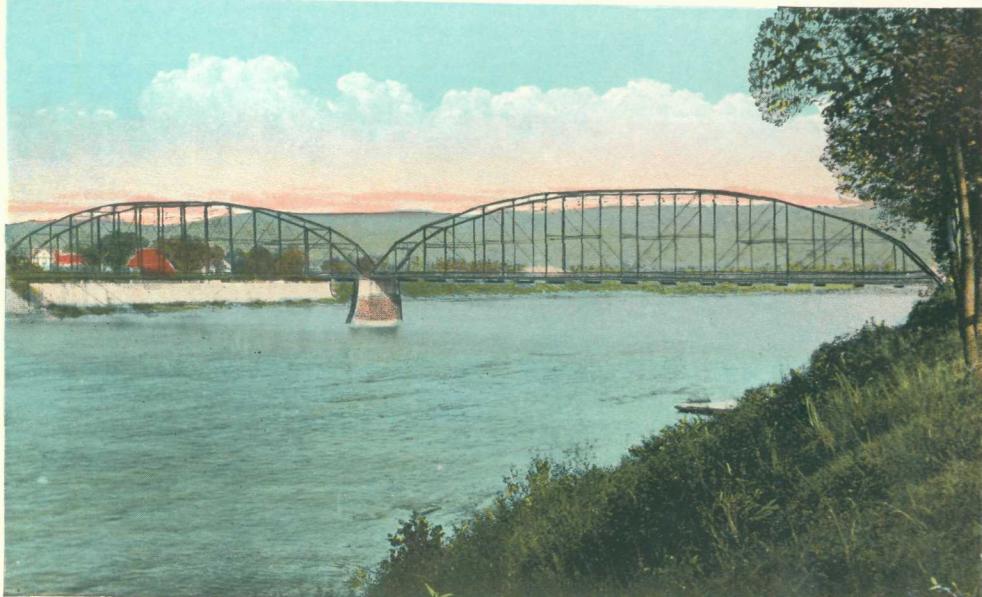
Hudson, Catskill, Kingston-Rhinebeck, and Castleton Bridges. With the opening of the new Hudson River crossing, the Newburgh-Beacon ferry service was terminated. The closing of this ferry, one of the oldest in the nation, leaves the Hudson without regular ferry service for the first time since 1743. Toll charges for the new bridge will be 50 cents for a single trip or 25 cents on a commuting basis.

The bridge was built by the New York State Bridge Authority at a cost of \$23,000,000. The engineers were Steinman, Boynton, Gronquist & London. A joint venture, consisting of the Frederick Snare Corporation, of New York, and the Dravo Corporation, of Pittsburgh, was contractor for the substructure, and the Bethlehem Steel Company for the superstructure.



DELAWARE RIVER BRIDGE, PORT JERVIS, N. Y.

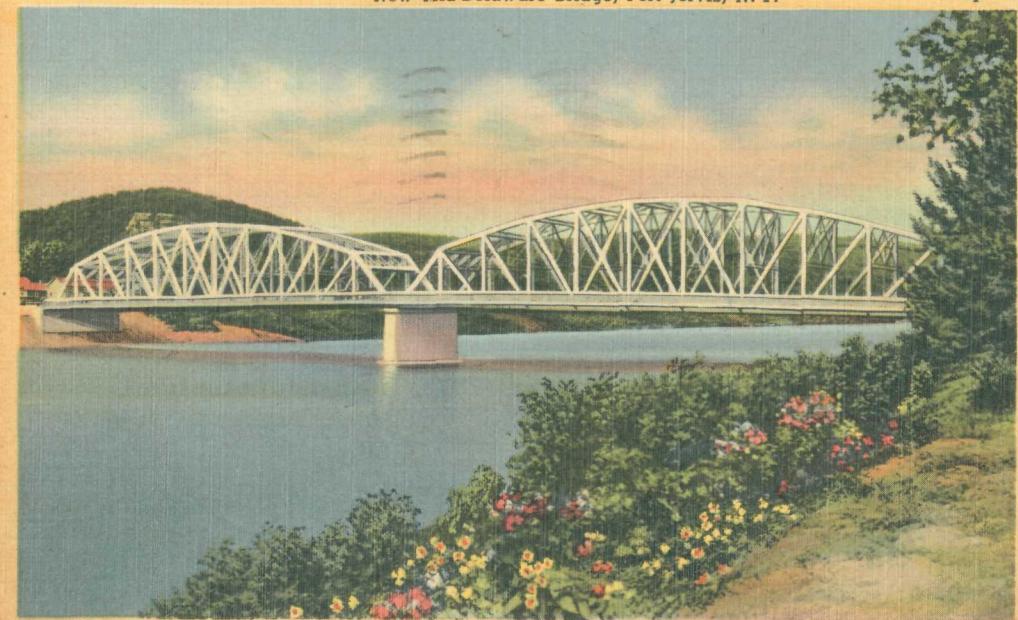
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Old Bridge

New Mid-Delaware Bridge, Port Jervis, N. Y.

4

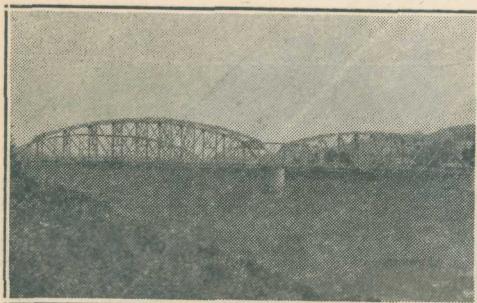


Connecting Pennsylvania and New York States

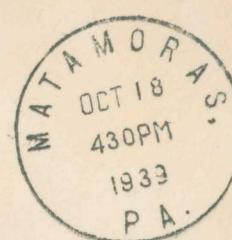
9A-H2380

New Bridge

OPENING DAY  
OCT. 18, 1939  
BARRETT BRIDGE  
Between  
Port Jervis, N. Y.  
and  
Matamoras, Pa.



FIRST DAY COVER



Kermit Weitzel.  
#38 Orchard St.  
Port Jervis, N.Y.

BARRETT BRIDGE across the Delaware River between Port Jervis, NY. and Matamoras, PA. was opened to traffic on October 18, 1939.

Photograph on cover shows new bridge in foreground and old bridge - later removed - behind.

**BARRETT BRIDGE**  
**Port Jervis, NY**

# George Westinghouse Memorial Bridge

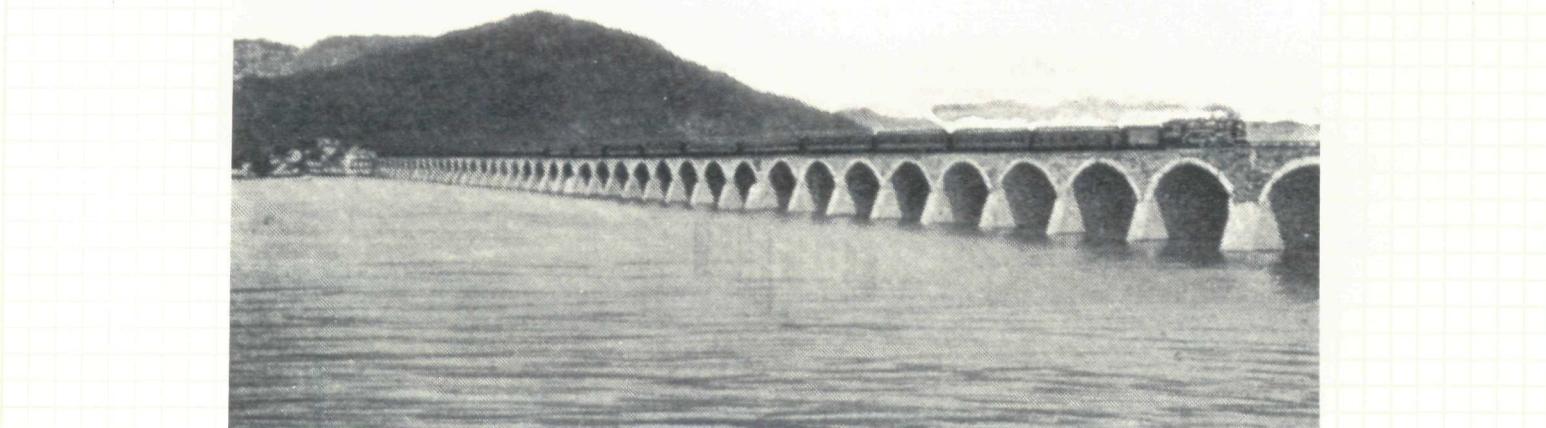
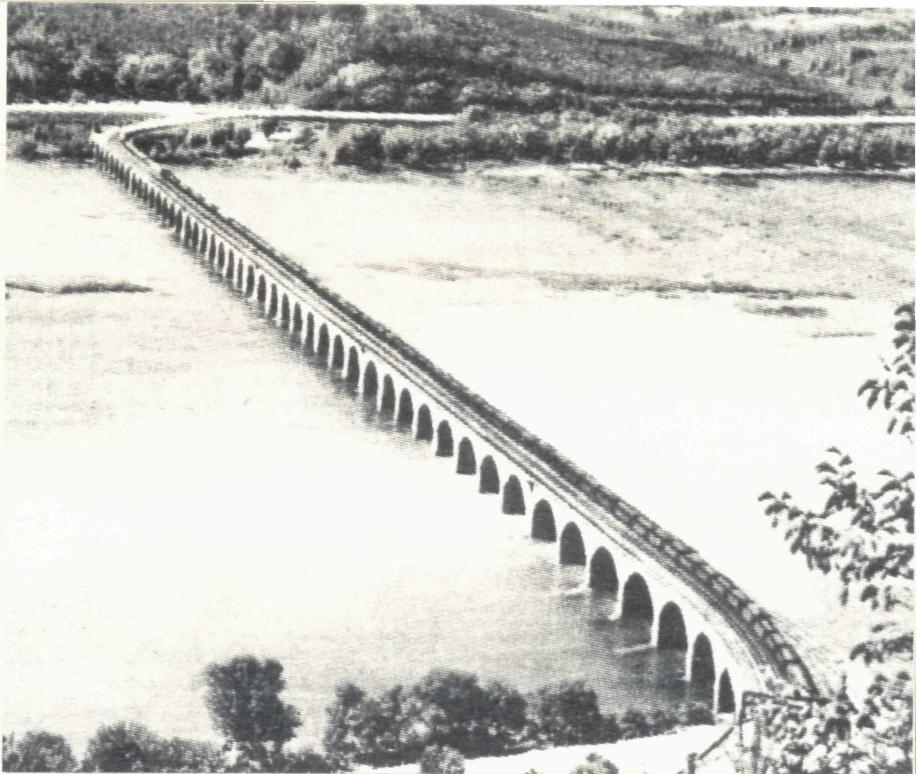
When opened to traffic in 1932, the George Westinghouse Memorial Bridge included the longest concrete arch span in the USA - 460 ft. Total length of structure 1524 Ft.  
Designed by George S. Richardson.



# HARRISBURG, PA

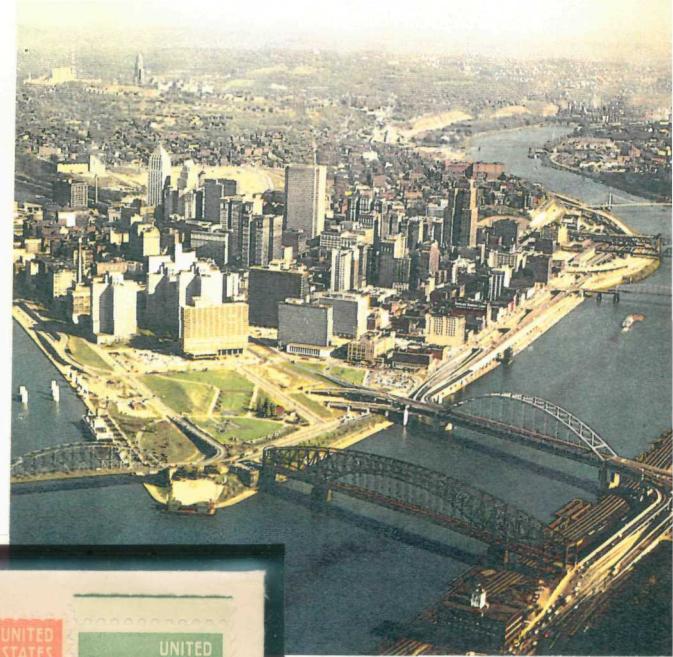
## Rockville Arch Bridge

In the late 19<sup>th</sup> century the Pennsylvania Railroad chose to invest in building several large masonry arch bridges that would not require extensive maintenance expenditures or replacement anytime in the foreseeable future. Such bridges were expensive but the railroad could easily afford to finance them. The largest and most impressive of these structures is the Rockville Arch Bridge crossing the Susquehanna River north of Harrisburg and built in 1902. It is 3,830 ft long and consists of 48 arches, each spanning 70 feet. The massive structure is still in active use.



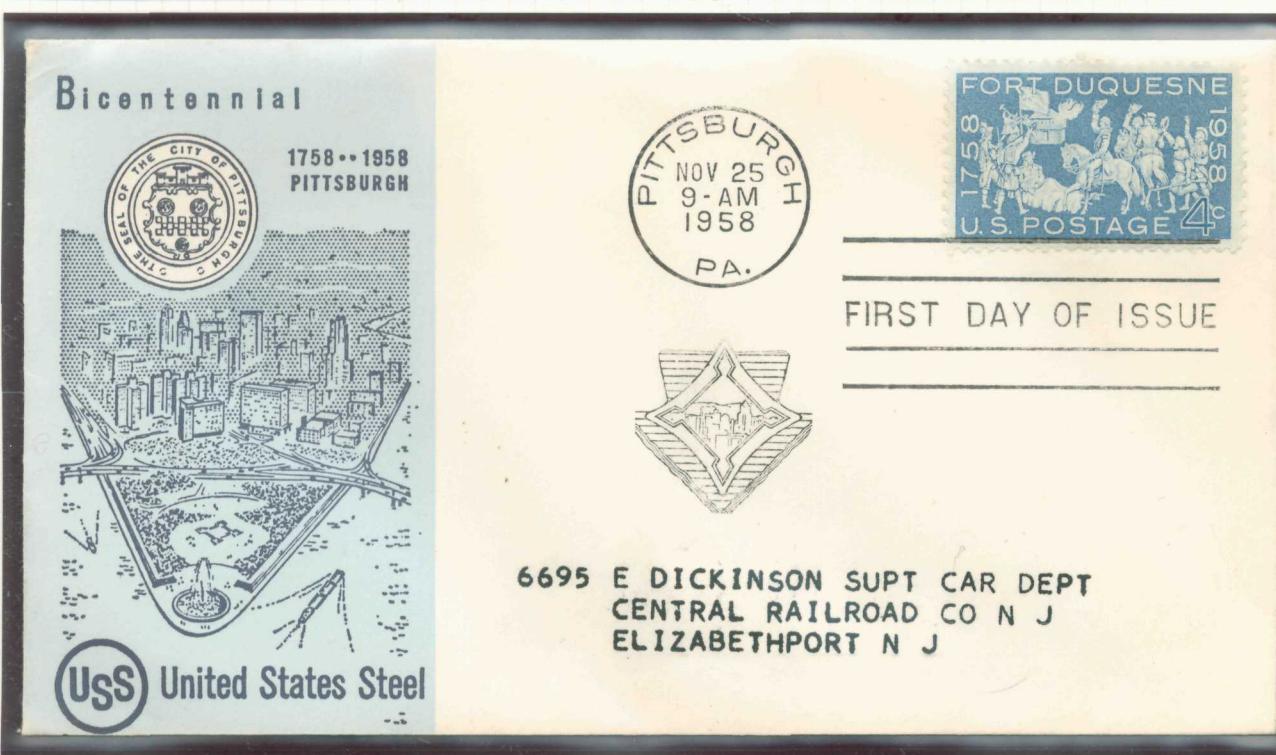
# PITTSBURGH, PA

Pittsburgh's "Golden Triangle" lies where the confluence of the Allegheny River (left) and the Monongahela River (right) forms the Ohio River. The photograph taken during the redevelopment of the Fort Duquesne area shows the old Manchester Bridge across the Allegheny River prior to removal and the piers for the new Fort Duquesne Bridge. The bridges across the Monongahela River are the old Fort Pitt Bridge (prior to removal) and the new Fort Pitt Bridge, and in the background the Smithfield Street Bridge, Pennsylvania R.R., Liberty, 10<sup>th</sup> Street and Brady Street Bridges.



## Monongahela River Bridges

Monongahela RR  
South 22<sup>nd</sup> Street  
South Tenth Street  
Liberty Bridge  
Pennsylvania RR  
Smithfield Street  
Wabash Railroad  
Point Bridge



# PITTSBURGH, PA

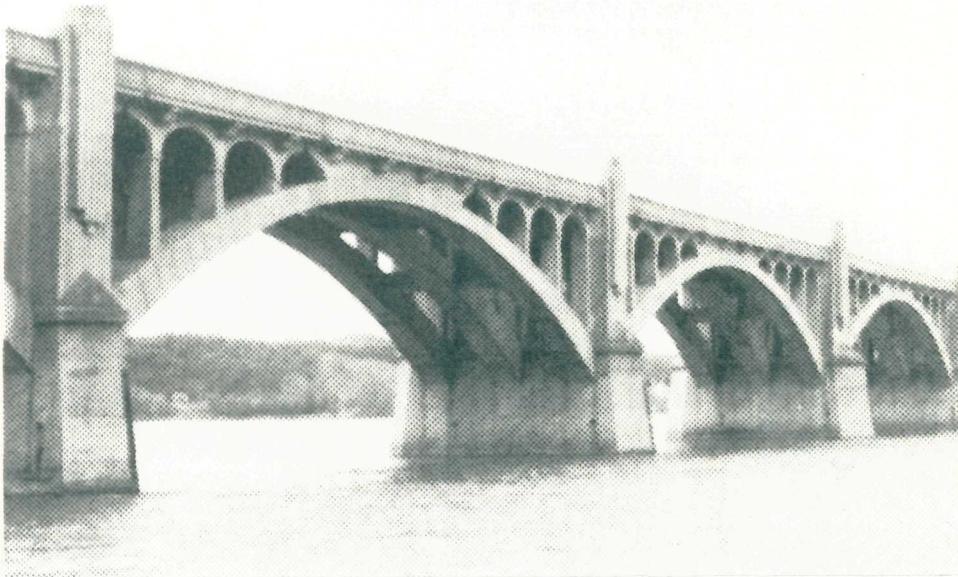
Redevelopment of "Golden Triangle" and Fort Duquesne at Fort Point.

Across Allegheny River (left): Manchester Bridge (prior to removal), piers for new Duquesne Bridge, 6<sup>th</sup> Street Bridge.

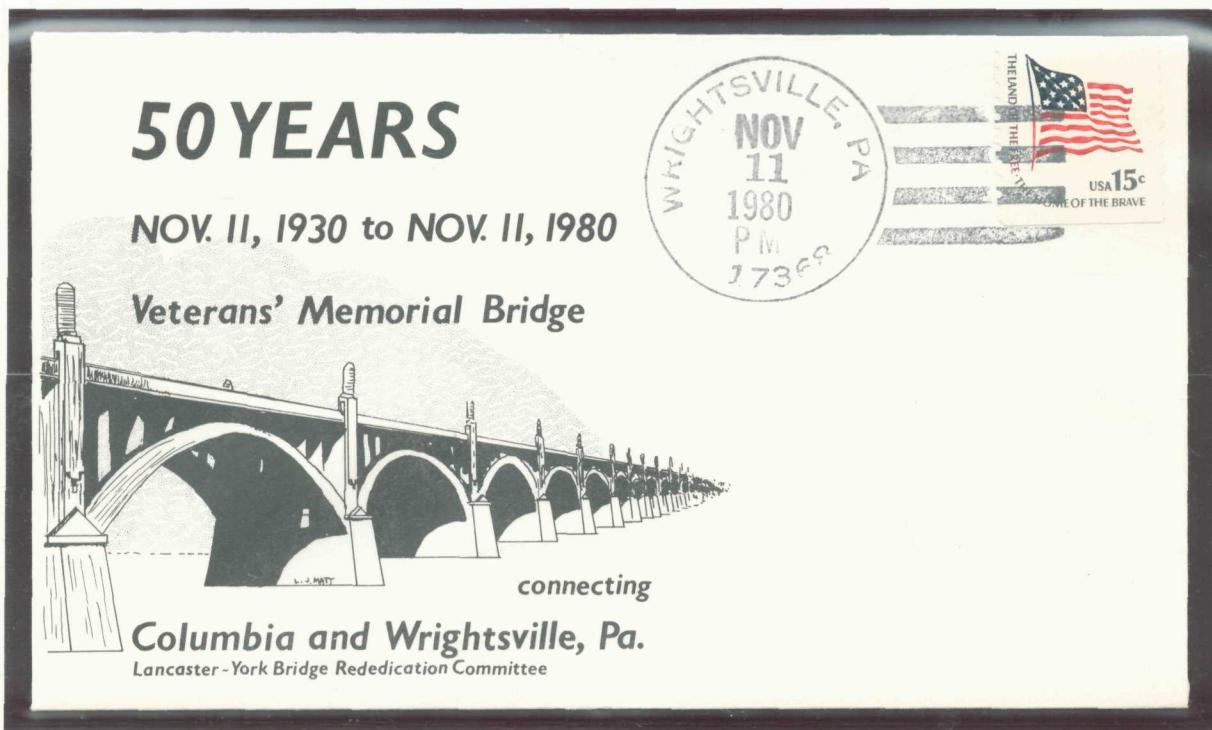
Across Monongahela River: Old Fort Pitt Bridge (prior to removal), new Fort Pitt Bridge.



# OLD COLUMBIA - WRIGHTSVILLE BRIDGE

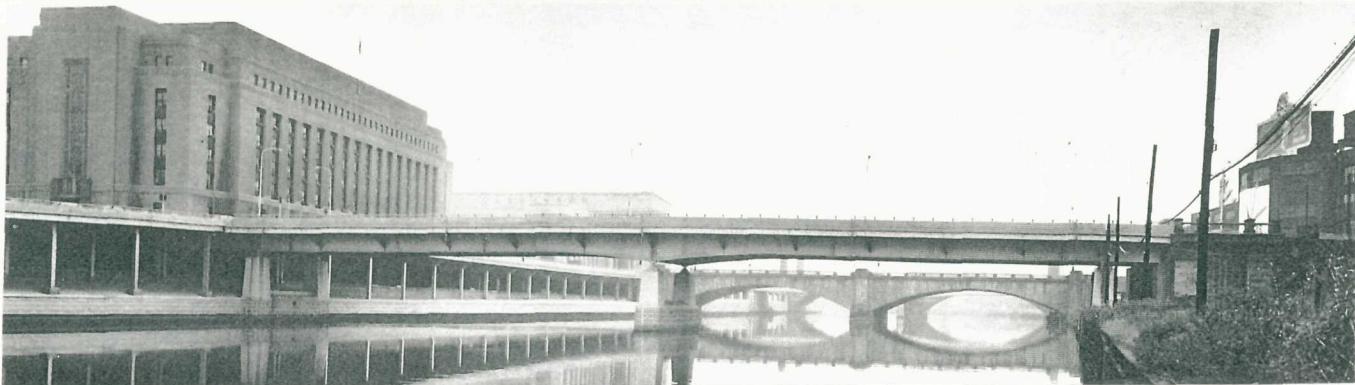
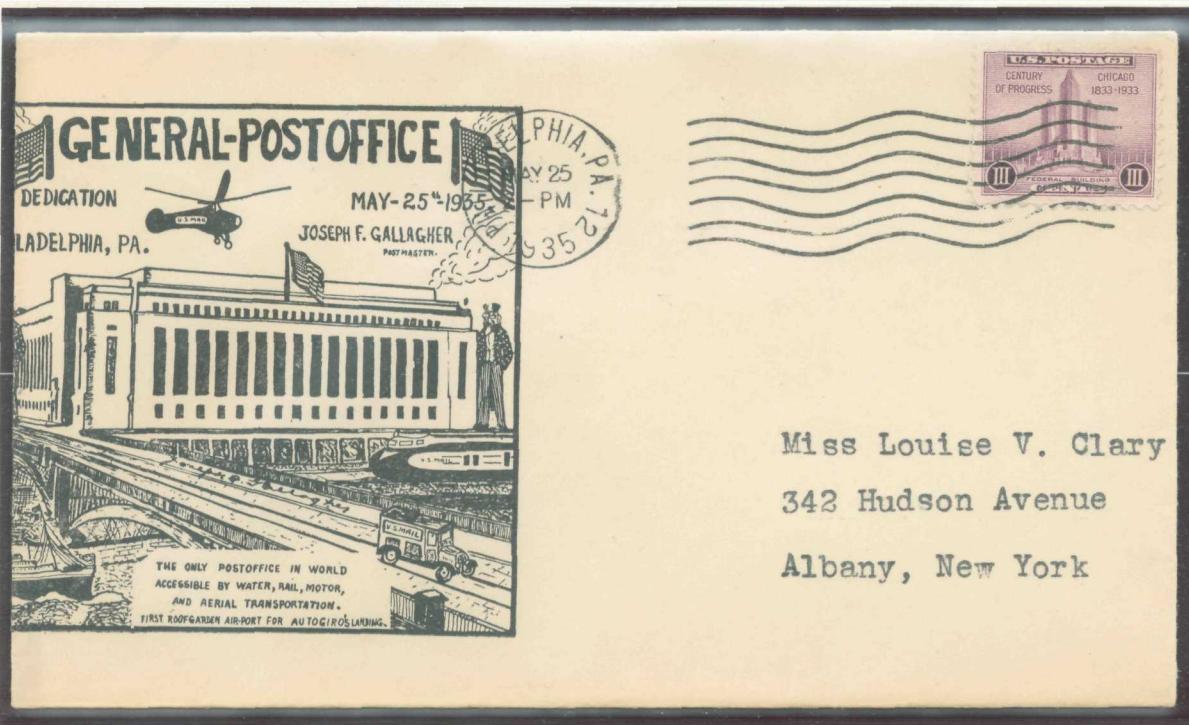


The Old Columbia - Wrightsville Bridge carries State Route 462 across the Susquehanna River south of Harrisburg. As early as 1812, a wooden covered bridge was built at this location and that bridge was followed by two more wooden covered bridges and finally a steel Pratt through truss. With the growth of automobile traffic in the 1920's, state highway authorities concluded that it would be desirable to replace the steel truss span with a newer and wider concrete structure. The new reinforced concrete bridge incorporates 28 three-ribbed, open-spandrel deck arches into a structure with a total length in excess of 6,600 feet. Each of the 28 arches has a span of 185 feet.

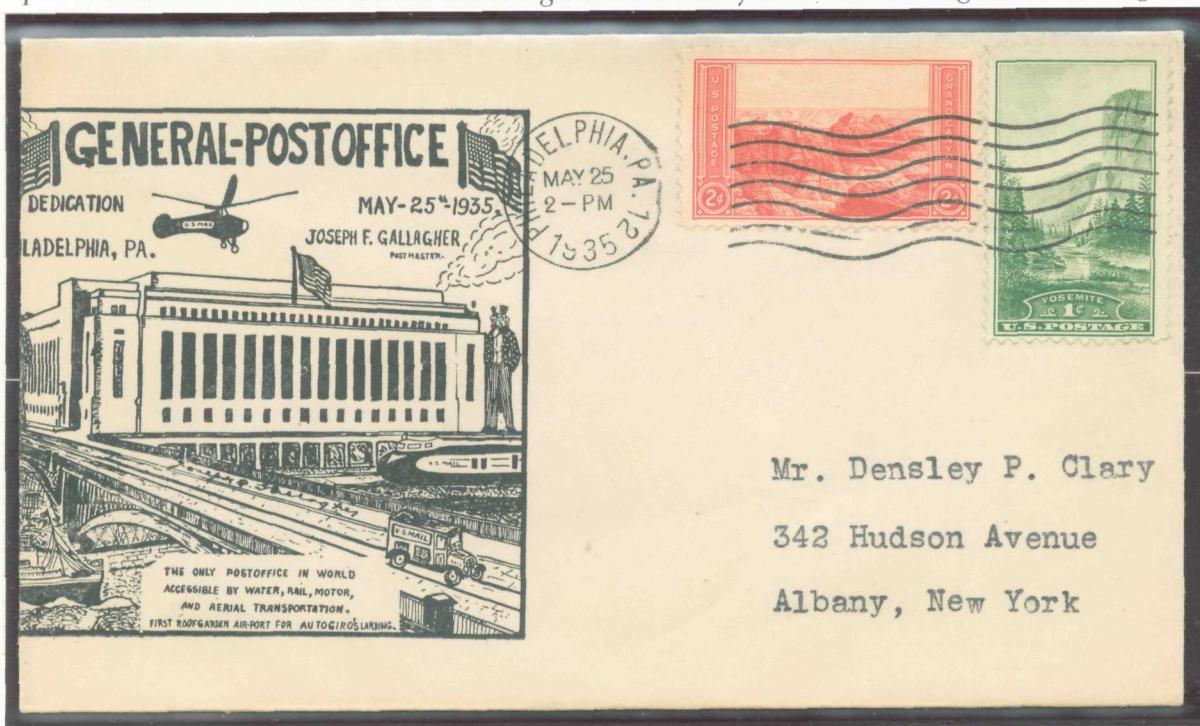


# PHILADELPHIA, PA

# Chestnut Street Bridge



The old Chestnut Street Bridge across the Schuylkill River shown on the covers was replaced in the early 1960's by a new structure designed by Richardson, Gordon and Associates and shown in the photograph. The photo also shows the Market Street Bridge and Kennedy Boulevard Bridge in the background.



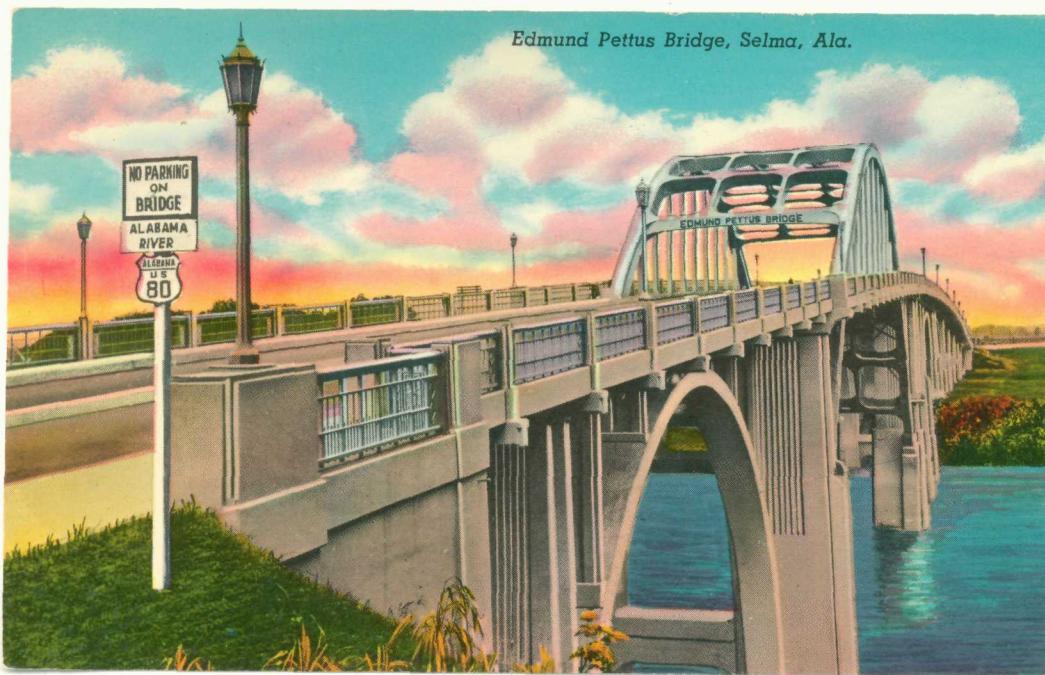
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# **SOUTHERN STATES**

**ALABAMA  
ARKANSAS  
DELAWARE  
FLORIDA  
GEORGIA  
KENTUCKY  
LOUISIANA  
MARYLAND  
MISSISSIPPI  
NORTH CAROLINA  
SOUTH CAROLINA  
TENNESSEE  
VIRGINIA  
WEST VIRGINIA**

# SELMA , ALA.

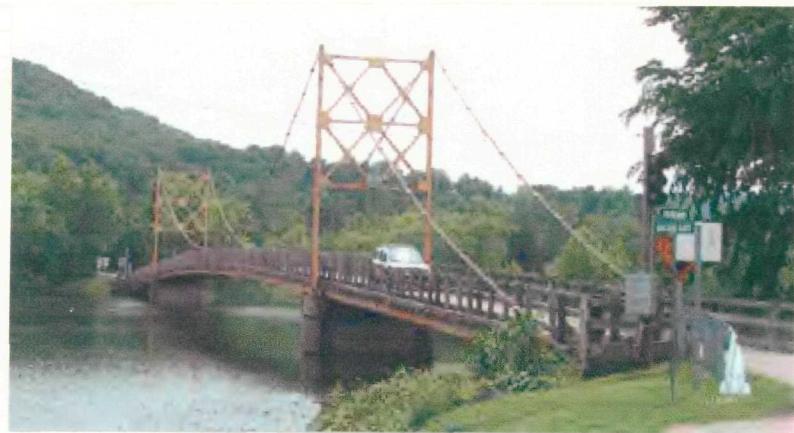
Edmund Pettus  
Bridge



The Edmund Pettus Bridge across the Alabama River at Selma, Ala. was the scene of "Bloody Sunday" on March 7, 1965 when 600 civil rights demonstrators on a protest march from Selma to Montgomery were beaten by 200 state troopers and trampled by police horses in the presence of national television cameras.

# BEAVER BRIDGE

## Carroll County, AK



Suspension bridge over the White River at Table Rock Reservoir near Beaver, northwest of Eureka Springs, AK. Completed in 1943.

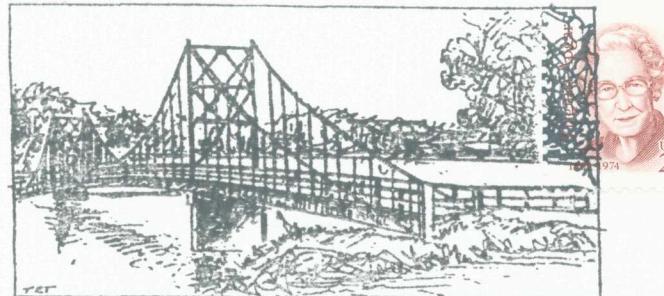
Main span length: 311.9 ft

Total length: 554.0 ft

Deck width: 11.1 ft

Vertical clearance: 13.8 ft

POSTCARD



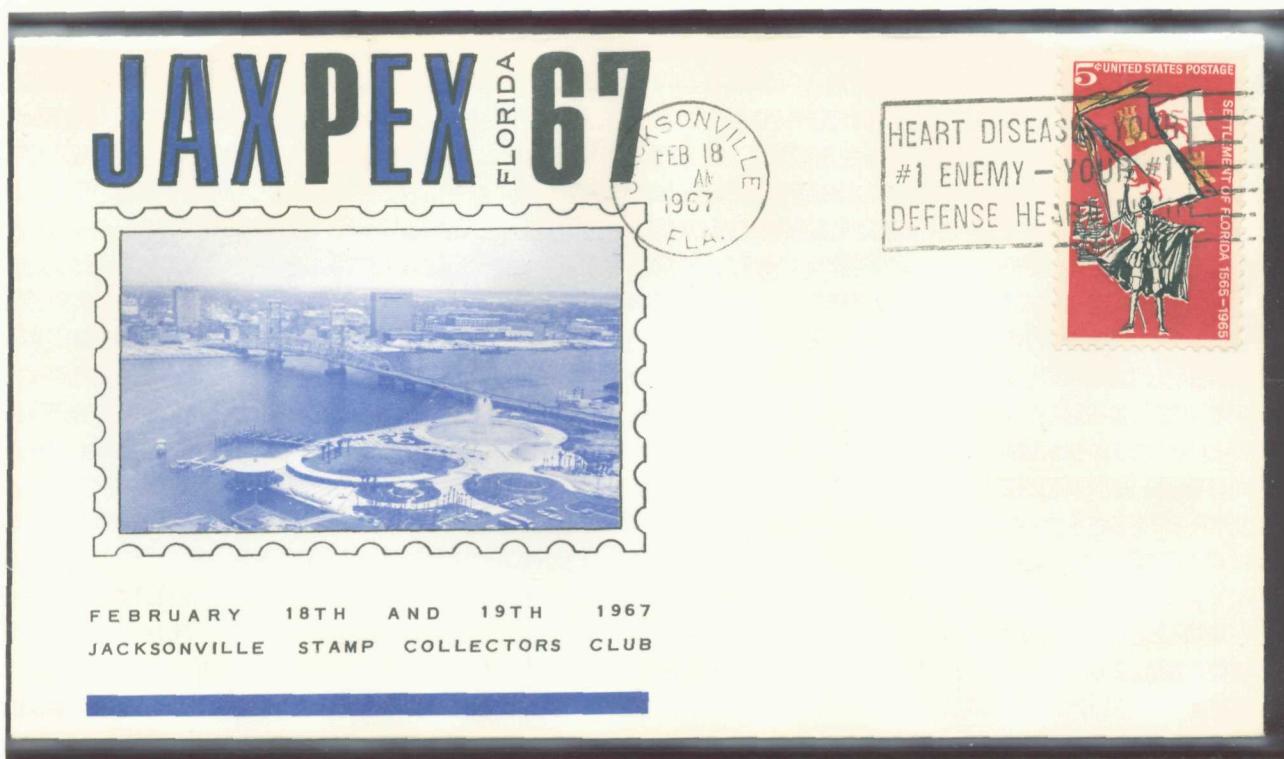
NOSTALGIA  
STATION

Beaver AR  
February 9, 1999



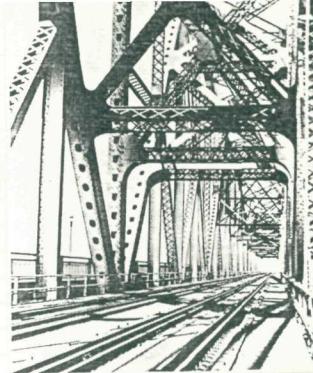
St. John's River

## JACKSONVILLE, FLORIDA

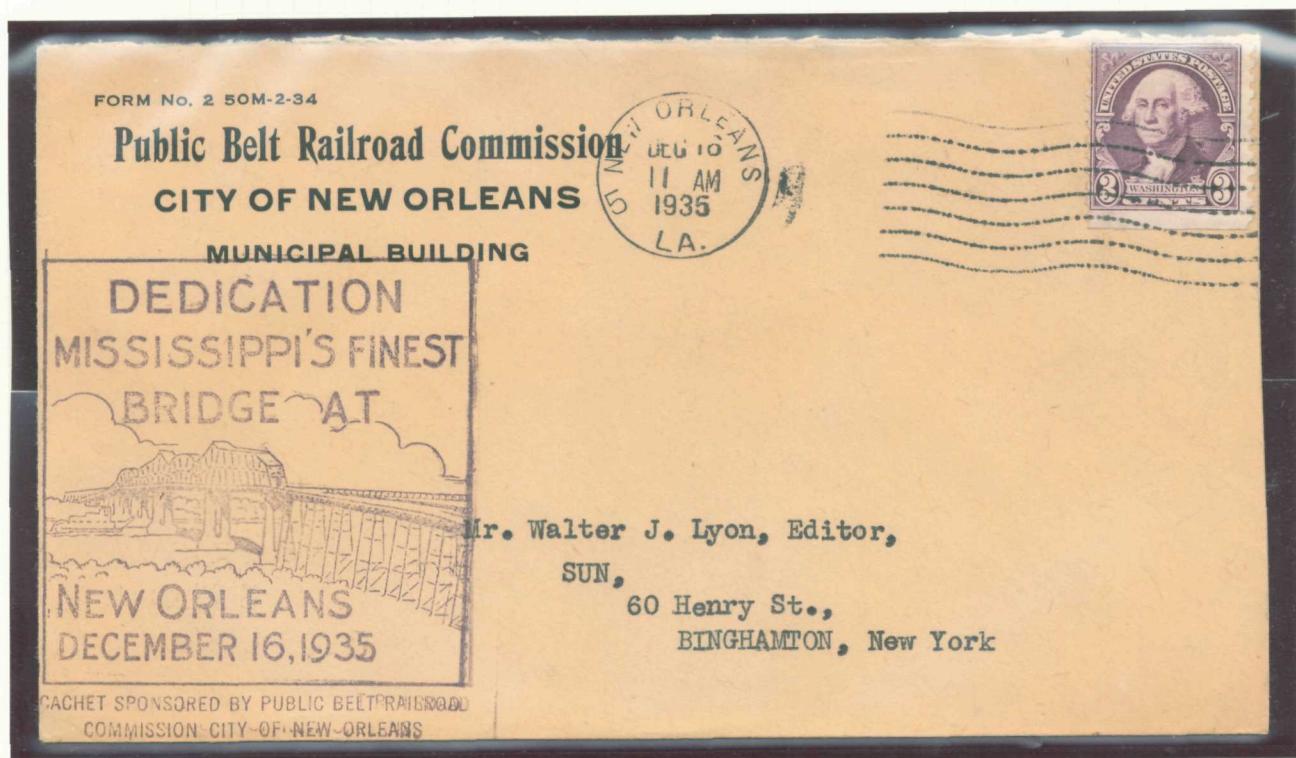


# HUEY P. LONG BRIDGE

## New Orleans, La.

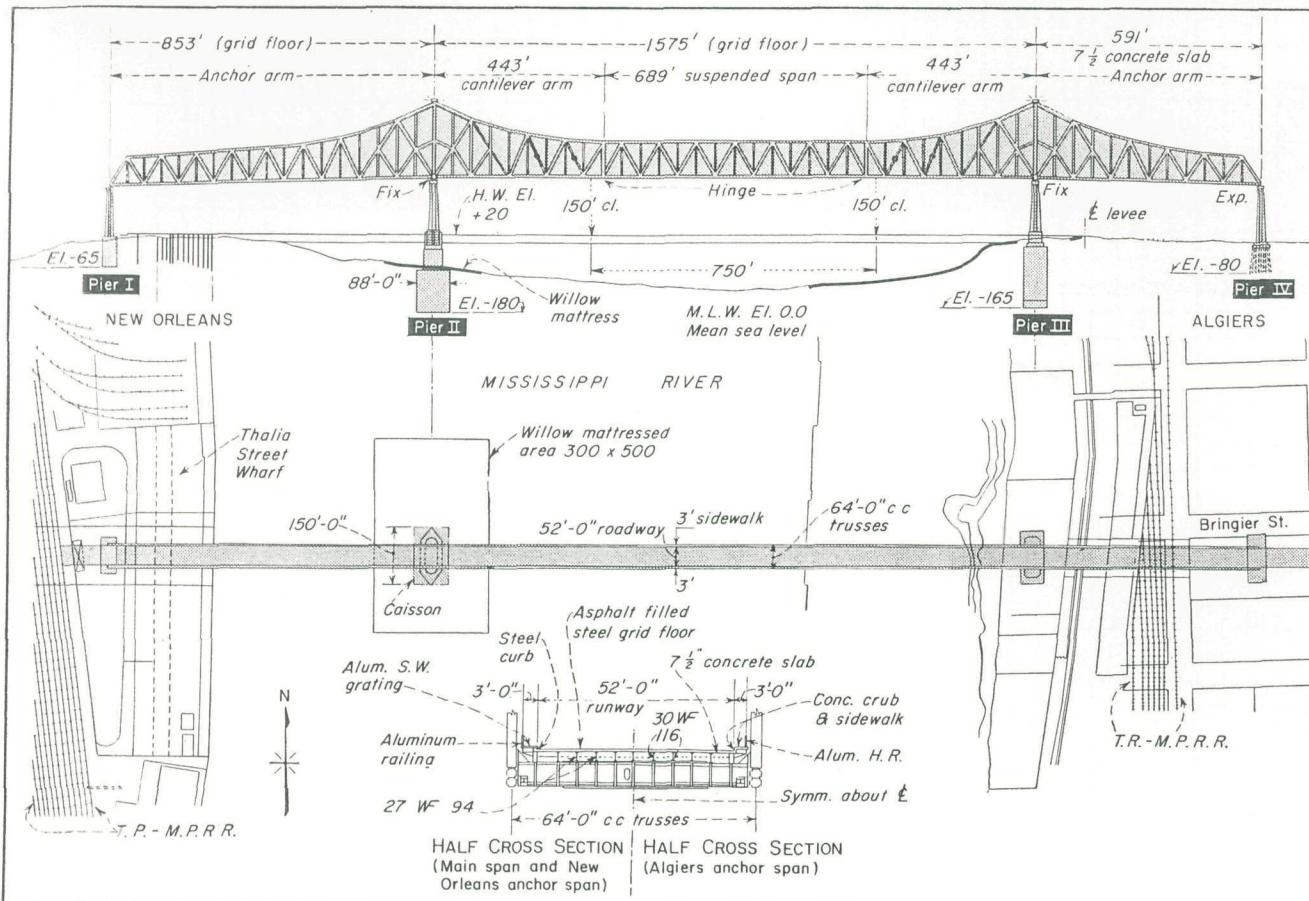
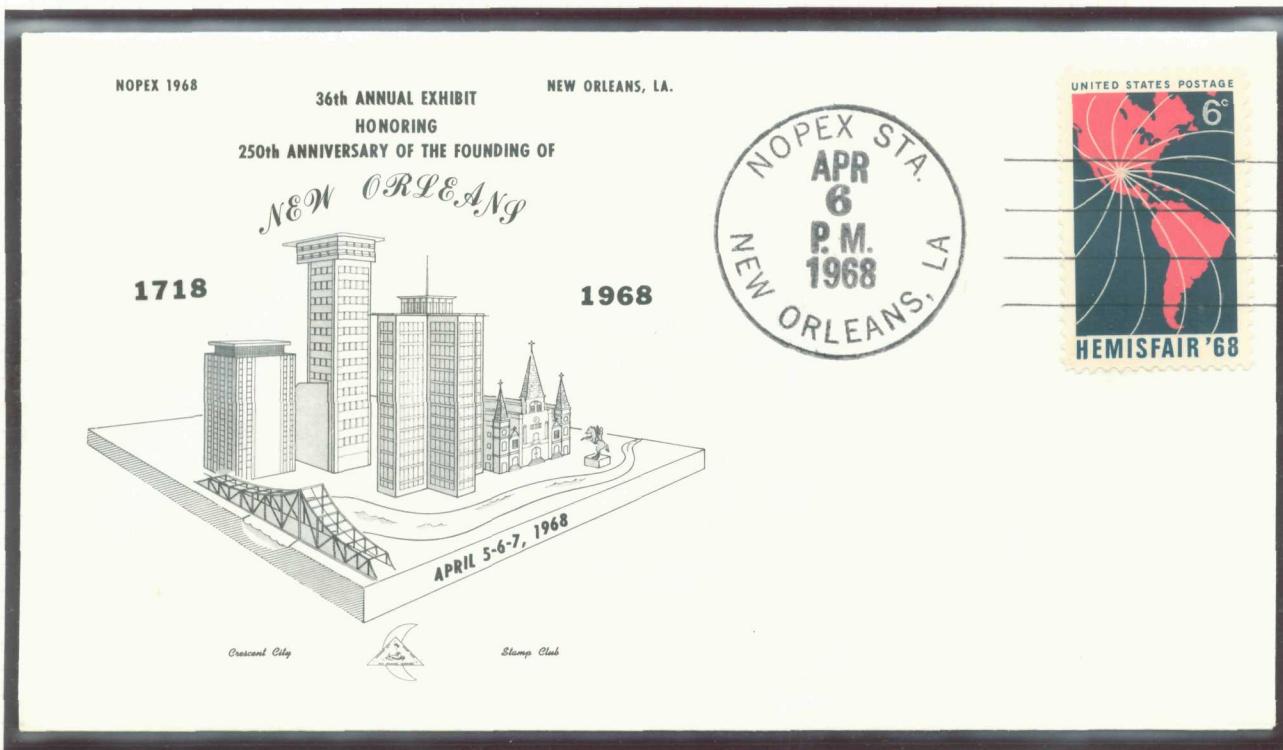


The HUEY P. LONG BRIDGE carries railroad traffic and U.S. Route 9 across the Mississippi River at New Orleans and was opened on December 16, 1935. The bridge's steel superstructure is more than 22,000 ft long. The main channel crossing consists of a 1,850 ft long cantilever through truss, with a center span of 790 ft. Designed by Modjeski, Masters and Chase.



# NEW ORLEANS, LA

# Mississippi River Bridge



Modjeski & Masters, Designers

# BALTIMORE, MD

## Carrollton Viaduct

Built for the Baltimore and Ohio Railroad, America's first railroad, the Carrollton Viaduct is the oldest railroad bridge in the country. Built in 1829 and crossing Gwynns Falls, its single-span, 100 foot long hemispherical stone arch is reminiscent of Roman arch bridge design, and, as with several Roman structures, it appears capable of standing for hundreds more years. Named after Charles Carroll, the last living signer of the Declaration of Independence, the Carrollton Viaduct still carries traffic for the B&O Railroad.

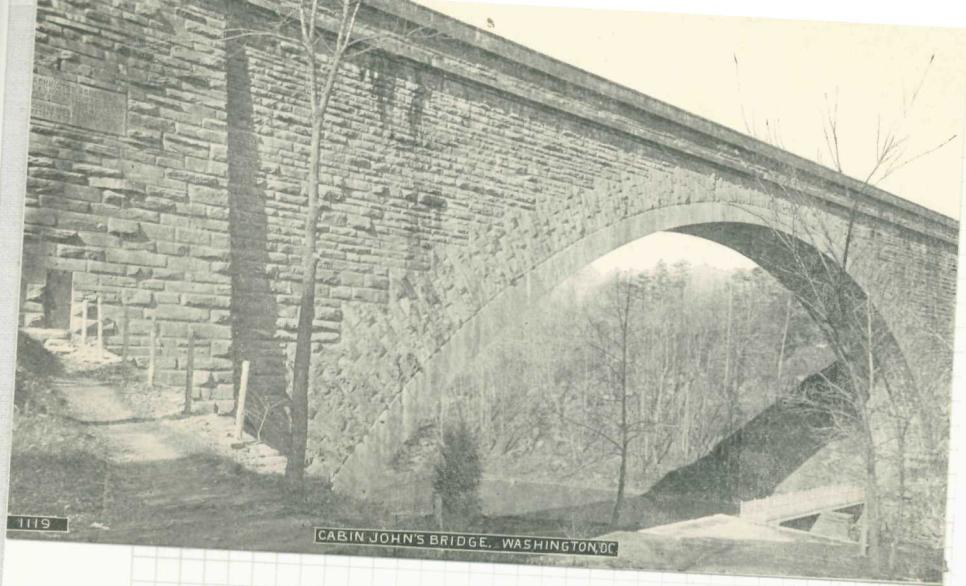


**BALPEX '77**  
September 3-5, 1977

**150 YEARS OF RAILROADING**

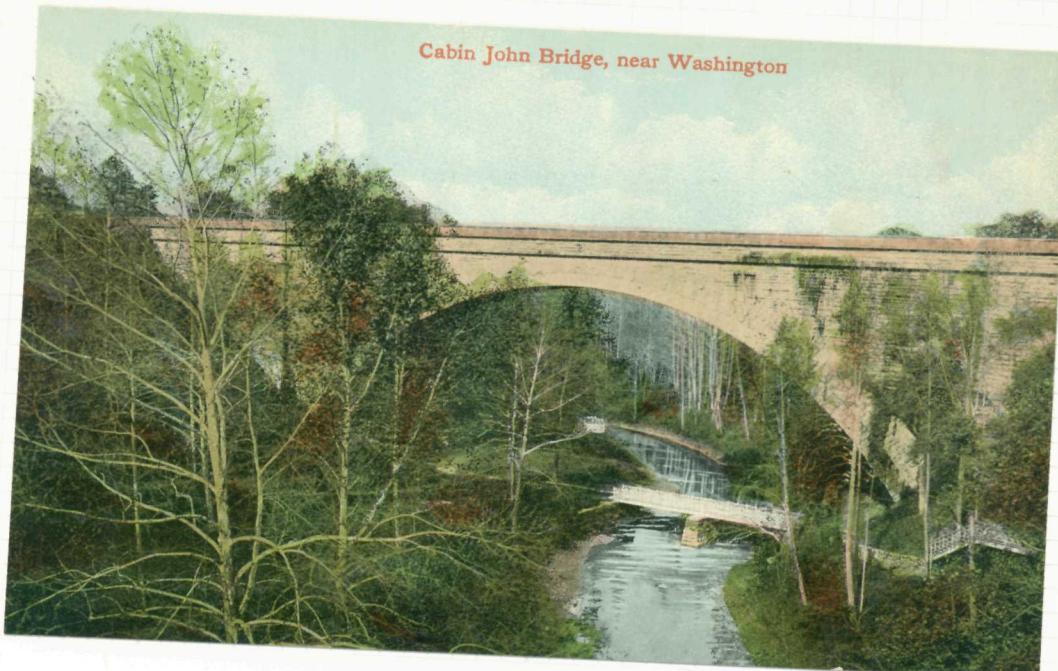
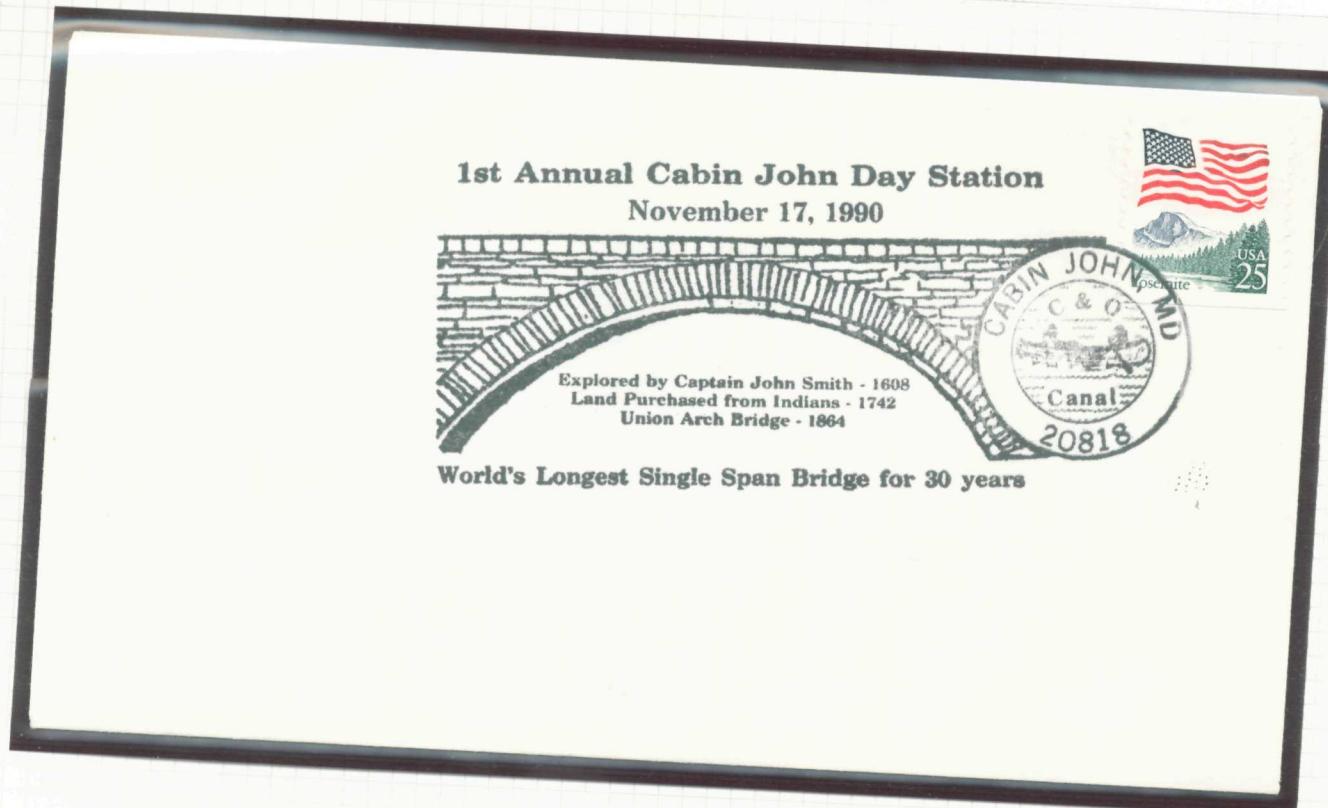
**CARROLTON VIADUCT**  
On the Route of the First B & O Trip

Cachet Sponsored by  
**BALTIMORE PHILATELIC SOCIETY**



## CABIN JOHN, MD

The Cabin John Bridge near Washington formed part of the aqueduct system which supplied the city with water from the Potomac River. The bridge is 420 ft long and the arch, with a span of 220 ft, is one of the largest stone arches in existence.



# GRACE MEMORIAL BRIDGE

## Charleston, S.C.

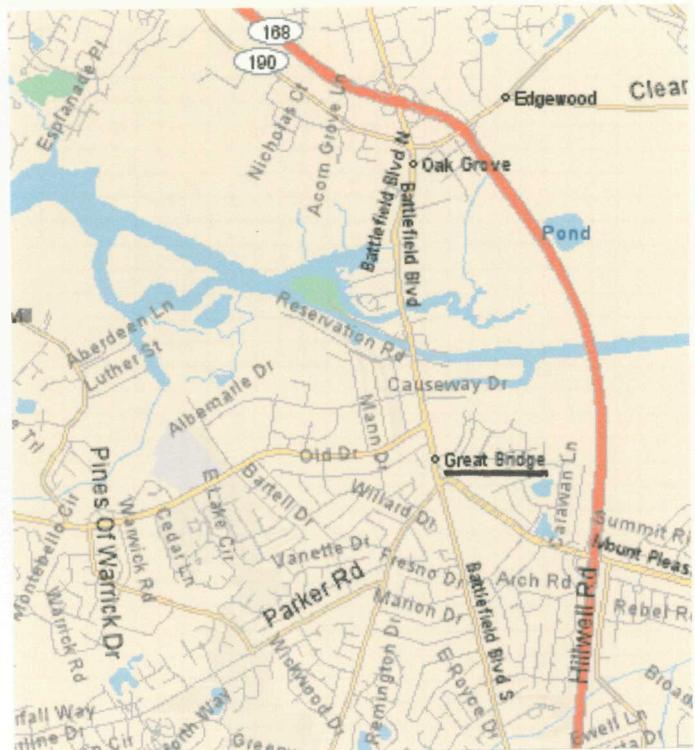


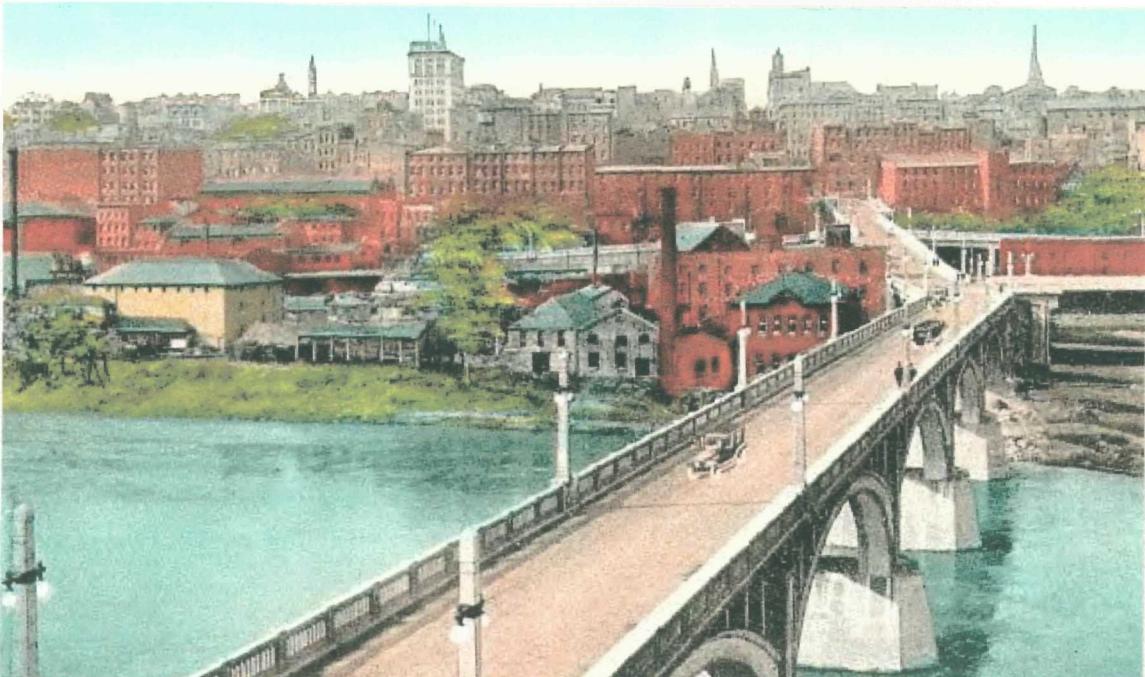
The Grace Memorial Bridge crosses the Cooper River between Charleston, SC and Point Pleasant. The crossing actually consists of two bridge structures of identical cantilever truss design, connected by a long deck truss viaduct structure. The bridge, with main spans of 760 feet and a total length in excess of 10,000 feet, was designed by Waddell & Hardesty and opened to traffic in 1929. A similar and parallel structure with main spans of 690 feet, the Silas N. Pearman Bridge, was opened in 1966. Both these structures are slated to be replaced by a single cable-stayed bridge.

# GREAT BRIDGE, VA

One of the earliest clashes of the Revolutionary War in the South took place at Great Bridge on December 11, 1775. In the fall of 1775, Lord Dunmore, the Colonial Governor of Virginia, had moved his residence and headquarters from Williamsburg to Norfolk. Great Bridge, nine miles south of Norfolk, where the Carolina Road bridges the Southern Branch of the Elizabeth River, was the only land access to Norfolk and, as such, became the focus of Dunmore's defense strategy. He directed that a fort be constructed at the northern end of the long bridge, or great bridge, to secure Norfolk from approach by land. The patriots had erected a redoubt across the road some 500 yards south of the bridge and barricades were also thrown up.

Early in the morning of December 9, British forces crossed the bridge and clashed with the patriots. The Battle of Great Bridge was short but decisive and the British forces fled in disarray. This was the beginning of the end for the British in the Old Dominion.



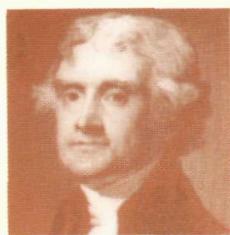


# LYNCHBURG, VA

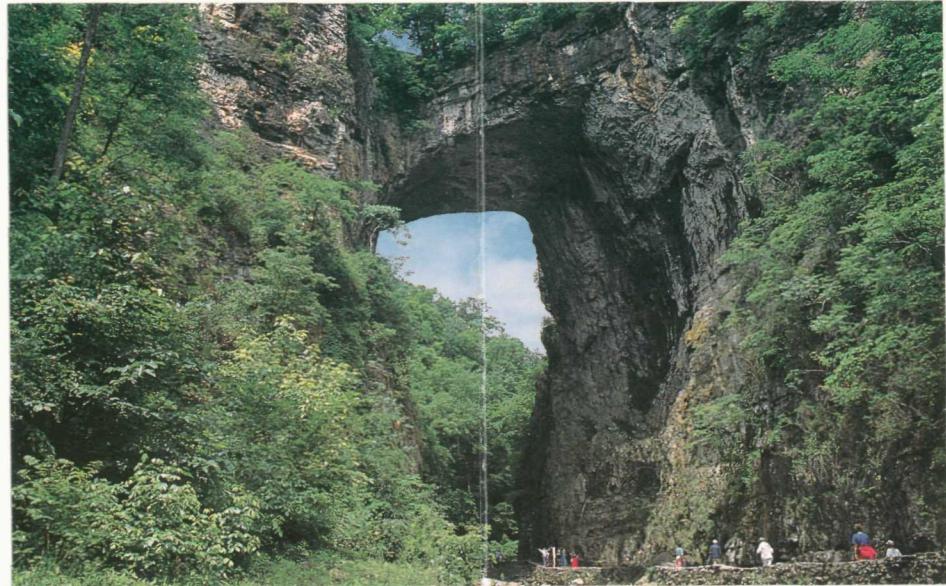
## WILLIAMS VIADUCT ACROSS JAMES RIVER



# NATURAL BRIDGE, VIRGINIA



*Thomas Jefferson, who bought the property from the English Crown, called Natural Bridge "the most beautiful place on Earth."*



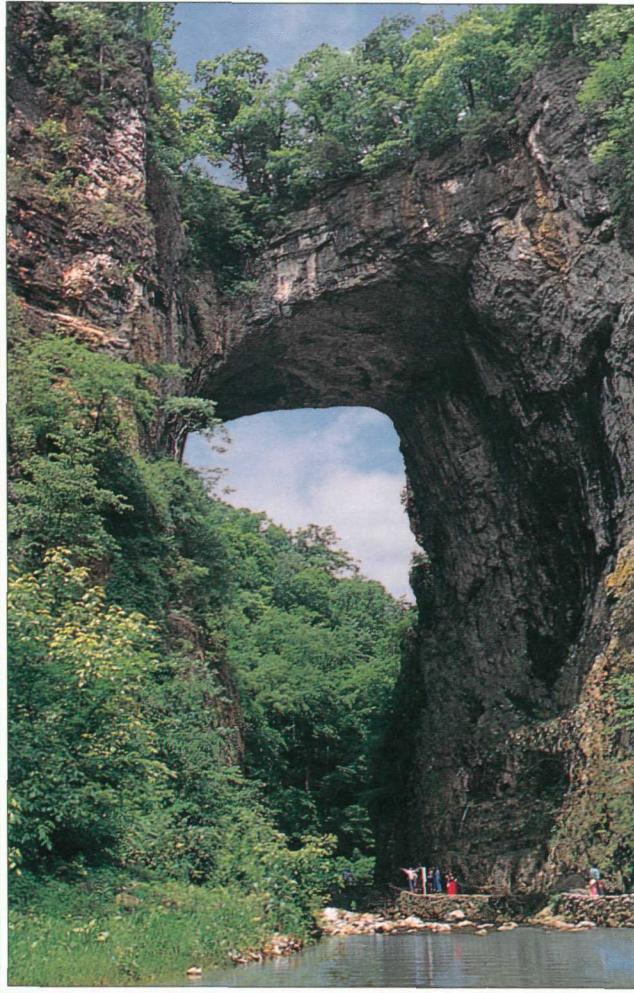
SCOTT, HORNER & MASON, INC.  
LYNCHBURG, VIRGINIA  
RETURN POSTAGE GUARANTEED



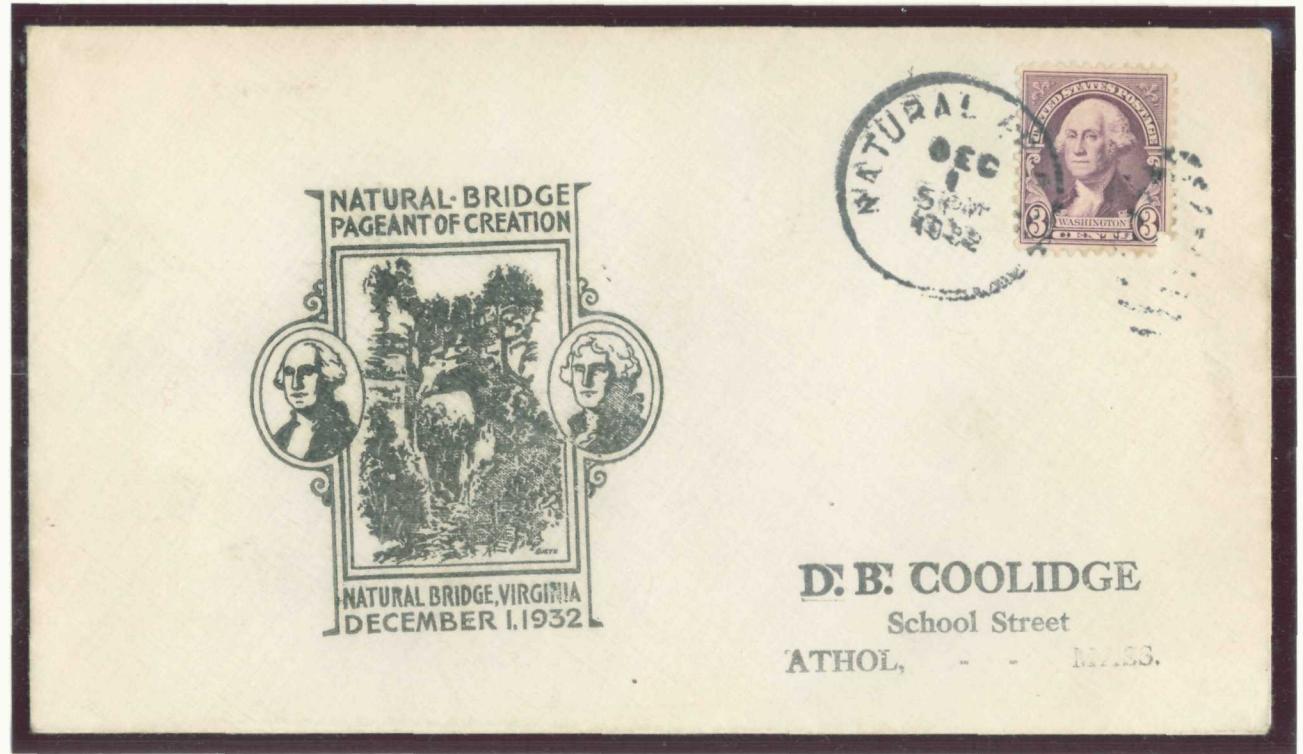
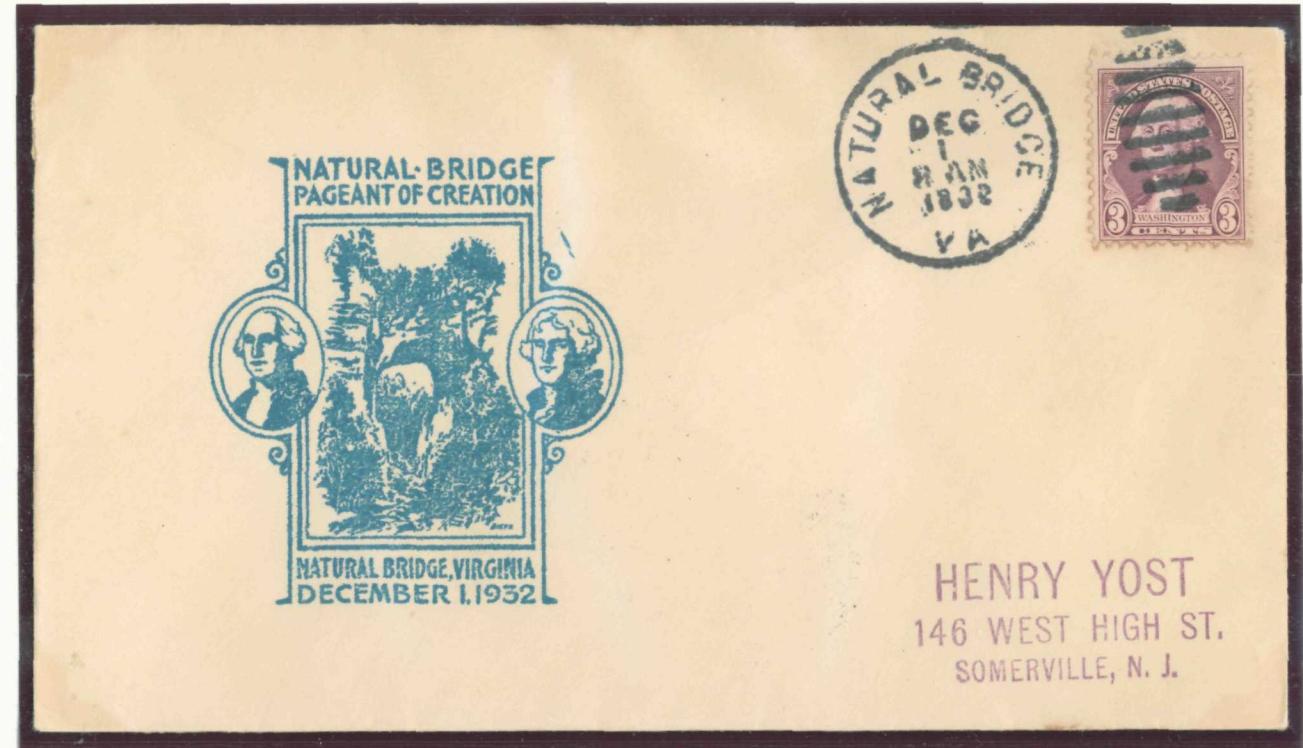
Tripp & Co., Inc.  
40 Wall St.  
New York 5, N.Y.

# NATURAL BRIDGE

OF VIRGINIA



ONE OF THE SEVEN NATURAL  
WONDERS OF THE WORLD.

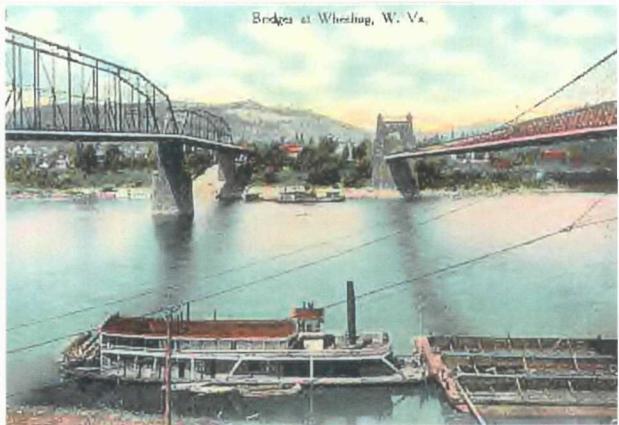


1493. Wharf Boat, Bellaire, O.

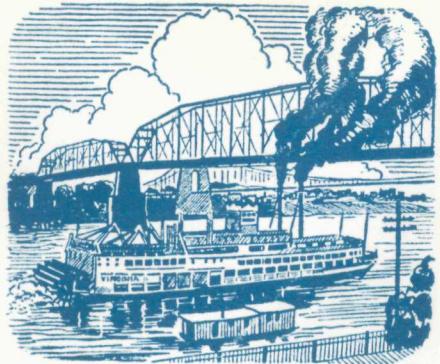


STEEL BRIDGE  
and  
ROEBLING'S  
SUSPENSION BRIDGE  
across the Ohio River  
at Wheeling, WV

Bridges at Wheeling, W. Va.



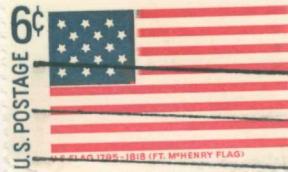
BOPEX V  
APRIL 26-27 BELLAIRE, OHIO



1769 - 1969

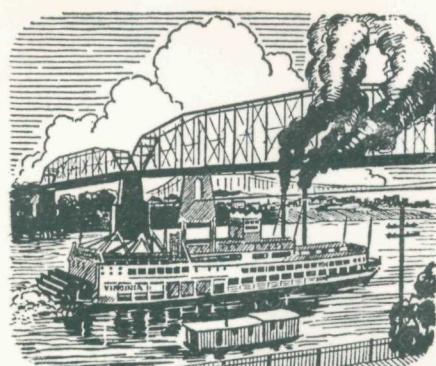
Commemorating 200th Anniversary  
WHEELING, WEST VIRGINIA

BOPEX STA.  
APR  
27  
P.M.  
BELLAIRE, OH



Virginia S. Barnes  
P.O. Box 1171  
East Hampton, N.Y. 11937

BOPEX V  
APRIL 26-27 BELLAIRE, OHIO



1769 - 1969

Commemorating 200th Anniversary  
WHEELING, WEST VIRGINIA

BOPEX STA.  
APR  
26  
P.M.  
BELLAIRE, OH

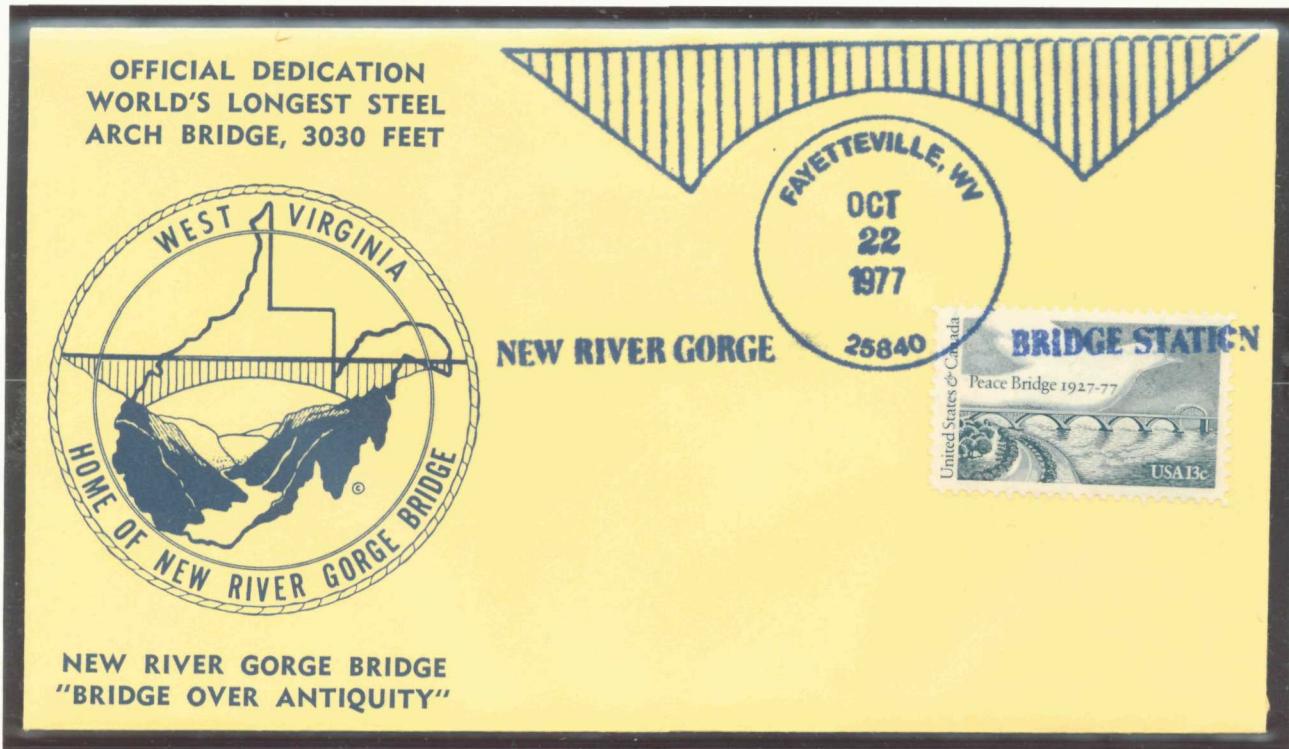
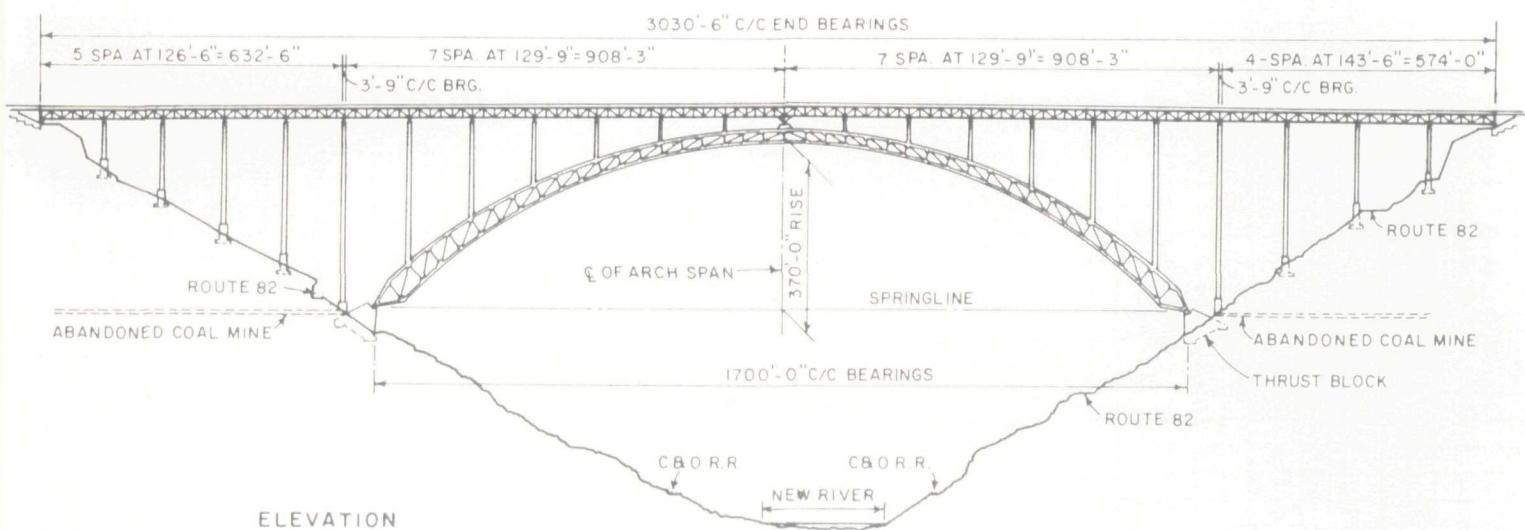


# NEW RIVER GORGE BRIDGE

## FAYETTE COUNTY, WV

Opened on October 22, 1977, the bridge across the New River Gorge became the longest steel arch with a span of 1700 feet. The bridge carries four traffic lanes on the 73'-5" wide roadway 876 ft above the waters of the New River. Overall length of the structure is 3030 feet.

The bridge was designed by Michael Baker Jr., Inc. of Harrisburg, PA and constructed by the American Bridge Company, Pittsburgh, PA.





# NEW RIVER GORGE BRIDGE FAYETTE COUNTY, WV

Longest steel arch bridge with a span of 1700 feet.

