

2021 Iron Butt Rally

Rallywide Bonus List



This packet describes the bonus locations available at any time during the 2021 Iron Butt Rally. Each location bonus entry provides the following information:

- Bonus Code
- Points Available
- Bonus Name
- Street address or nearest intersection/cross-street
- City and State
- GPS coordinates in degrees decimal rounded to the nearest 0.0001 degree
- Available hours
- Bonus description including important notes as needed
- Bonus requirements in *italic type*
- A photo of the bonus object

WARNING: DO NOT LEAVE ON A LEG UNTIL YOU HAVE VERIFIED THAT ALL PAPERWORK IS IN YOUR RALLY PACKAGE FOR THAT LEG. EACH PAGE IS NUMBERED. THIS IS YOUR RESPONSIBILITY.

CRITICAL: Please be respectful when placing your flag in photos. Private property and priceless museum pieces should never be used as your flag support.

This bonus listing is like a restaurant menu. If you order everything on the menu and eat it, you are going to get sick and perhaps die. Please choose bonus destinations carefully.

- ✓ All times are local unless otherwise specified.
- ✓ Unless otherwise specified, rally ID flags are required in all photos.
- ✓ To earn *any* bonus, you MUST claim it on the Claimed Bonus form.

If you lose the Claimed Bonus form, you will earn no bonus points for the leg.

From your Routemaster:

In this listing you will find information for the bonuses that are available on any leg during the rally. These bonuses may be claimed on any leg but *must be claimed on the claimed bonus form of the leg you visit them.*

Any rallywide bonus may only be claimed ONCE during the entire rally. Be aware that if a claim for a rallywide bonus is denied in scoring, that's it. No second chances are given to attempt a repeat claim on a later leg.

Below is the table of additional points that will be awarded for successfully claiming multiple rallywide state (plus DC) bonuses during this event. These points will be automatically awarded in scoring when each threshold is met. The points are cumulative. For example, if you claim 20 rallywide state bonuses during the event, you will be awarded the sum of the 5-, 10-, 15-, and 20-state point values. NOTE: The rallywide combination bonus FLIGHT is not counted as a state bonus when computing this progressive bonus.

Rallywide US States and DC Progressive Bonus Table		
Level	States (incl. DC)	Points
Dabbler	5	613
Undergrad	10	668
Graduate Student	15	741
Lab Assistant	20	839
Intern	25	978
Staff Scientist	30	1187
Principal Investigator	35	1529
Fellow	40	2158
Director	45	3543
Nobel Laureate	49	7693

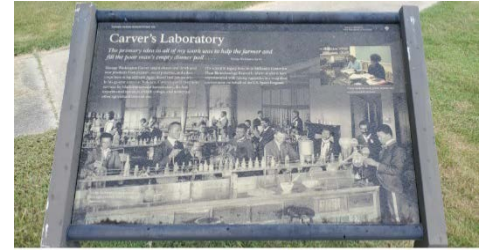
1626 points

AL

George Washington Carver
N Water St near Campus Rd
Tuskegee, AL

32.4334, -85.7133

24 Hours



George Washington Carver taught classes here for 47 years and developed techniques to improve soils depleted by repeated cotton planting. He wanted poor farmers to grow alternative crops such as peanuts and sweet potatoes as a source for their own food and to improve their quality of life.

Take a photo of "Carver's Laboratory" historical marker.

AR

1116 points

Freeman Owens Memorial - First sound movies

629 Central Ave
Hot Springs, AR

34.5107, -93.0539

24 Hours



Freeman Harrison Owens of Pine Bluff filed for the first patent for "Phonofilm", which was the first synchronized sound and film apparatus. Unfortunately his employer filed for the same patent. The resulting legal battle ended in a landmark decision that a company owned the rights to a patent created by an inventor in its employ. The effects of that decision are still felt today.

Take a photo of the Freeman Owens plaque on the Arkansas Walk of Fame. The plaque is one of many embedded in the sidewalk.

AZ

1253 points

The Cure for Ebola
727 E Tyler St
Tempe, AZ

33.4202, -111.9281

24 Hours



The origins of the cure for Ebola can be traced back to Charles Arntzen's groundbreaking research at ASU's Biodesign Institute

Take a photo of the ASU Biodesign Institute Building B sign at 727 E. Tyler Street

Miles of Progress

CA

1594 points

WD-40
9715 Businesspark Ave
San Diego, CA
32.8999, -117.1123
Daylight



California is home to numerous famous inventions, but few hold a candle to WD-40, invented here in San Diego by the company then called Rocket Chemical Co.

Take a photo of the "WD-40 Company" monument outside their office facility with your motorcycle in the picture.

CO

322 points

Charles Henry Dow
Welton St at 17th St
Denver, CO
39.7454, -104.9899
Daylight



Charles Henry Dow, who along with Edward D. Jones created the famed stock market index, worked here in Colorado.

Take a photo of the brass plaque honoring Charles Henry Dow. The plaque is embedded in the sidewalk on the eastern corner of the intersection of Welton and 17th.

CT

882 points

America's First Public Library
38 Main Street
Salisbury, CT
41.9810, -73.4227
Daylight



The nation's first public library was established in Salisbury in 1803.

Take a photo of the entrance facade of Scoville Memorial Library.

Miles of Progress

DC

1071 points

First Atomic Clock
Connecticut Ave NW at Upton St NW
Washington, DC
38.9421, -77.0625
24 Hours



The first atomic clock was developed near this site in 1948. The accuracy of the new atomic clock made possible the Global Positioning System, which probably led you here today.

Take a photo of the "IEEE Milestone, First Atomic Clock, 1948" historical marker.

DE

270 points

Oliver Evans - First Land Vehicle to Move Under Steam Power
Bicentennial Memorial Park
Newport, DE
39.7141, -75.6063
24 Hours



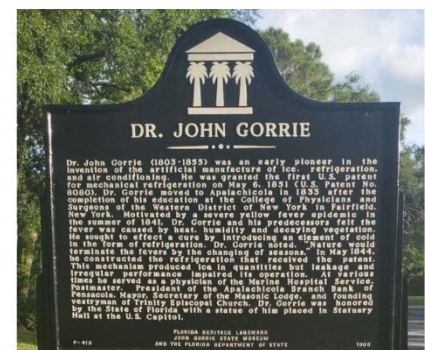
Needing to get his 17-ton steam-powered water craft to the river, Oliver Evans attached driven axles below so it could lumber to the water under its own power. He called it the Oruktor Amphibolos.

Take a photo of the "Oliver Evans" historical marker. This marker is at the western tip of Bicentennial Memorial Park in Newport, DE.

FL

1154 points

Dr. John Gorrie
6th St at Ave D
Apalachicola, FL
29.7250, -84.9854
24 Hours



Dr. John Gorrie was granted the first patent for mechanical refrigeration in 1851. He was motivated by his search for a cure for yellow fever.

Take a photo of the "Dr. John Gorrie" historical marker in the small park at the corner of Ave D and 6th St

Miles of Progress

GA

1647 points

Dr. Martin Luther King, Jr.
Near 492 Auburn Ave NE
Atlanta, GA
33.7556, -84.3713
Daylight



Across the street from this marker is the childhood home of Dr. Martin Luther King, Jr.

Take a photo of "The Birthplace" historical marker with Dr. King's childhood home in the background.

IA

651 points

Dr. Norman Borlaug
2nd Ave SW at S Elm St
Cresco, IA
43.3713, -92.1174
Daylight



Dr. Norman Borlaug is known as the Father of the Green Revolution and worked to improve wheat yields for more than 30 years. He was awarded the Nobel Peace Prize in 1970 in recognition of his contributions to world peace through increasing food supply.

Take a photo of the memorial statue of Dr. Borlaug in Beadle Park.

ID

794 points

Experimental Breeder Reactor-1
US-26
Arco Area, ID
43.5117, -113.0051
Daylight



The first usable production of electricity from a nuclear power plant occurred here at EBR-1 on December 20, 1951. In addition, experiments were conducted here toward creating a nuclear-powered aircraft.

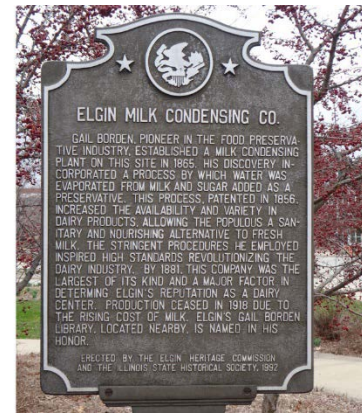
Take a photo of either or both of the large Heat Transfer Reactors adjacent to the parking lot at the EBR-1 site.

Miles of Progress

IL

364 points

Condensed Milk
N Grove Ave at Symphony Way
Elgin, IL
42.0406, -88.2867
24 Hours



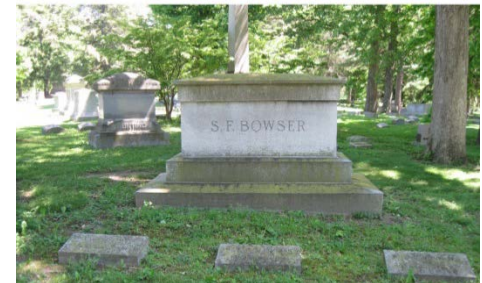
Gail Borden discovered a process to preserve milk that led to a sanitary alternative to fresh milk. His first condensing plant was established here in 1865.

Take a photo of the "Elgin Milk Condensing Co." historical marker.

IN

682 points

Sylvanus Freelove Bowser
2324 West Main Street
Fort Wayne, IN
41.0791, -85.1754
Sunrise to Sunset and within Open Hours



Sylvanus Bowser invented the first gasoline pump. In some countries, such pumps are still commonly known as "Bowsers".

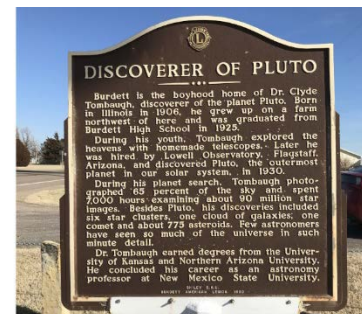
Take a photo of the S.F Bowser family grave marker.

If the gate is not yet open at dawn, you must wait for staff to open it. Further, it is quite possible you may get locked in while attempting to claim this bonus at dusk.

KS

239 points

Clyde Tombaugh - Discoverer of Pluto
Broadway Ave near Maple St.
Burdett, KS
38.1896, -99.5296
24 Hours



Memorial to Clyde Tombaugh, who discovered Pluto.

Take a photo of the "Discoverer of Pluto" marker.

Miles of Progress

KY

509 points

First Coal Oil
Near 305 W Main St
Cloverport, KY
37.8371, -86.6343
24 Hours



Coal oil was first produced here in 1851, with the reputed first-of-its-kind plant built in 1857.

Take a photo of the "First Coal Oil" historic marker.

LA

677 points

First Shriners Hospital
3100 Samford Ave
Shreveport, LA
32.4814, -93.7572
24 Hours



The world's first Shriners Hospital was built on this site in 1922.

Take a photo of the memorial statue outside the front entrance.

MA

1545 points

Dr. Robert H. Goddard Park
Southbridge St & Auburn St
Auburn, MA
42.2056, -71.8340
Daylight



Robert Goddard launched the first liquid propellant rocket from this site.

Take a photo of the true-size replica of the World's First Liquid Fuel rocket engine.

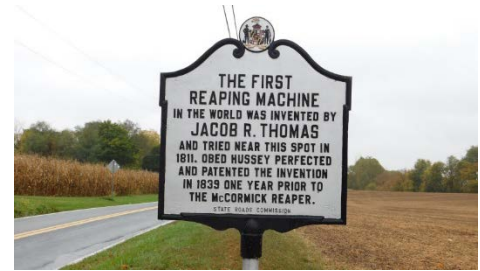
There is no parking available on Southbridge St, go around either side of the Fire Dept building on Auburn St to access replica.

Miles of Progress

MD

831 points

Mechanical Reaping Machine
Bucher John Rd near Good Intent Rd.
Union Bridge, MD
39.5689, -77.1861
24 Hours



The first reaping machine was tried near this site in 1811, two decades prior to the famous McCormick reaper.

Take a photo of the "The First Reaping Machine" historical marker.

ME

2223 points

America's First Mile
W Main St near Clair Fort Kent Bridge
Fort Kent, ME
47.2487, -68.6022
24 Hours



This site denotes the first mile of U.S. Route 1.

Take a photo of the stone marker on the right that reads "America's First Mile"

MI

620 points

First Roadside Picnic Table
Grand River Ave east of Morrison Lake Rd
Saranac Area, MI
42.8868, -85.2119
24 Hours



Here, in 1929, was placed the first picnic table along a highway right-of-way. We wonder when a motorcyclist first stopped to nap on it.

Take a photo of "The Roadside Table" historical marker.

Miles of Progress

MN

1531 points

Greyhound Bus Lines
1201 Greyhound Blvd
Hibbing, MN
47.4383, -92.9395
Daylight



The famous Greyhound Lines was founded in the small northern Minnesota town Hibbing in 1914. There you will find the Greyhound Bus Museum.

Take a photo of the "Birthplace of Greyhound Lines" plaque near the entrance door to the museum. This plaque is not visible from the street, but on the opposite side of a stylized wall section.

MO

429 points

Pony Express
960 Penn St
St. Joseph, MO
39.7562, -94.8485
24 Hours



The Pony Express National Museum is on the site of the stables from which riders were sent westward on their epic mail deliveries to California.

Take a photo of the "Pony Express Stables" entrance to the building with your motorcycle in the picture.

MS

1570 points

Woolworth's Sit In
Near 100 E Capitol St
Jackson, MS
32.3003, -90.1874
24 Hours



Woolworth's variety store in Jackson was the scene of a pivotal event in the Civil Rights Movement. On May 28, 1963 three black college students sat down at a white lunch counter seeking service. The nonviolent protesters were attacked by an angry mob with media and the FBI present.

Take a photo of the "Woolworth's Sit-In" historical marker.

Miles of Progress

MT

358 points

Gideon Bibles
30 Mullan Rd W
Superior, MT
47.1980, -114.8912
24 Hours



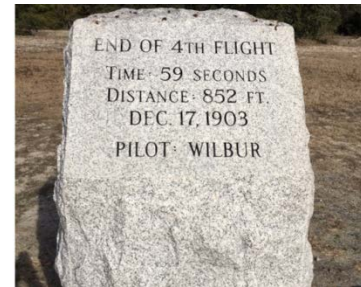
I bet you always wondered where this started.

Take a photo of the commemorative marker to the placement of the first Gideon bibles in hotel rooms. The marker is next to the front door of Superior Laundry.

NC

1577 points

Wright Brothers National Monument
US-158 and Wright Memorial Dr.
Kill Devil Hills, NC
36.0222, -75.6685
0900-1700



The Wright Brothers National Memorial celebrates the first powered flight by a heavier-than-air vehicle. Take a walk along the path to the north and see how far they managed to fly on their 4th flight.

Take a photo of the "End of 4th Flight" marker.

ND

621 points

Mr. Bubble
335 4th St
Medora, ND
46.9144, -103.5228
Daylight



Mr. Bubble was born in 1961 when Harold Schafer and the Gold Seal Company found a way to make bubble bath affordable, moving it from department stores to drug stores. The original Mr. Bubble formula used powdered bubble bath flakes that promised to "Bubble kids clean" and leave no bathtub ring.

Take a photo of the Howard Schafer Heritage Center

Miles of Progress

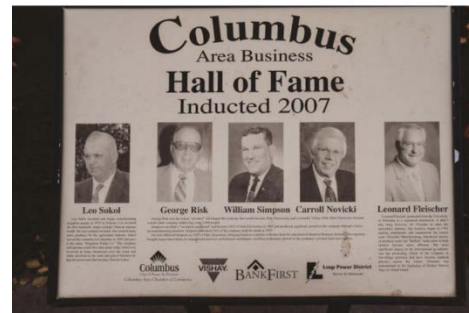
NE

625 points

First Hydraulic Manure Loader
13th Street at Frankfort Square
Columbus, NE

41.4294, -97.3601

24 Hours



We had to shovel through a lot of fertilizer to find this gem. Leo Sokol invented the first single-cylinder hydraulic manure loader in nearby Duncan and moved his company to Columbus in 1945.

Take a photo of the "Columbus Area Business Hall of Fame Inducted 2007" plaque showing Leo Sokol on the left.

NH

1056 points

Nations Oldest Bank
22 Market Square
Portsmouth, NH

43.07689, -70.7573

24 Hours



The New Hampshire Bank opened its doors on this site in 1782.

Take a photo of the "22/26 Market Square ... The Oldest Bank Building" historical marker.

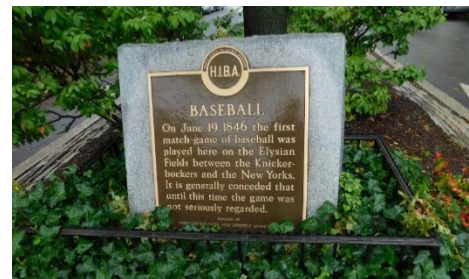
NJ

532 points

Birthplace of Baseball
11th St at Washington St
Hoboken, NJ

40.7499, -74.0273

24 Hours



On June 19, 1846 the first match game of baseball was played here on the Elysian Fields between the Knickerbockers and the New Yorks.

Take a photo of the First Baseball Match marker.

Miles of Progress

NM

1506 points

Spaceport America
County Rd AO21
Truth or Consequences Area, NM
32.9886, -106.9856
Daylight



Spaceport America is the world's first purpose-built commercial spaceport. It was designed and constructed specifically for commercial users and is owned and operated by the State of New Mexico.

Take a photo of the sculpture "Genesis" outside the Spaceport entry with your motorcycle in the photo. The sculpture is inlaid with mirrored glass pieces that mimic the stars seen over the spaceport.

NV

1443 points

Jacob Davis's Tailor Shop
211 N Virginia St
Reno, NV
39.5273, -119.8135
24 Hours



Jacob Davis invented the pants we now know as blue jeans using sturdy cotton fabric he obtained from Levi Strauss & Co, combined with his own invention of strengthening the stress points with copper rivets.

Take a photo of the "Jacob Davis's Tailor Shop" historical marker.

NY

1122 points

Standard Time
14 Church St
Saratoga Springs, NY
43.0833, -73.7857
24 Hours



Charles F Dowd of Saratoga Springs conceived of Standard Time. We thought about making this bonus available 25 hours a day but that would be non-standard.

Take a photo of the historic marker to Standard Time.

Miles of Progress

OH

723 points

Wright Brothers
22 S Williams St
Dayton, OH
39.7556, -84.2119
Daylight



The Dayton Aviation Heritage NHP honors the Wright Brothers and their aviation achievements.

Take a photo of "The Wright Cycle Co." building.

OK

1064 points

NEXRAD weather RADAR
Halley Ave at Westheimer Dr
Norman, OK
35.2377, -97.4612
Daylight



NEXRAD doppler RADAR was invented by professors at the University of Oklahoma. The first operational prototype was finished in 1990.

Take a photo of the "RADAR OPERATIONS CENTER 1200" marker with the antenna tower across the street in the background.

OR

3377 points

Exploding Whale
612 Rhododendron Dr
Florence, OR
43.9709, -124.1157
24 Hours



Nov 9, 1970 - a day that will live in Oregon's memory forever. On that date the carcass of an 8 ton sperm whale was "removed" with 20 cases of dynamite; far more than necessary. This resulted in "... blasted blubber beyond all believable bounds". Sometimes innovation comes from learning what not to do. In honor of the 50th anniversary of this blasted event, the town of Florence dedicated "Exploding Whale Memorial Park"

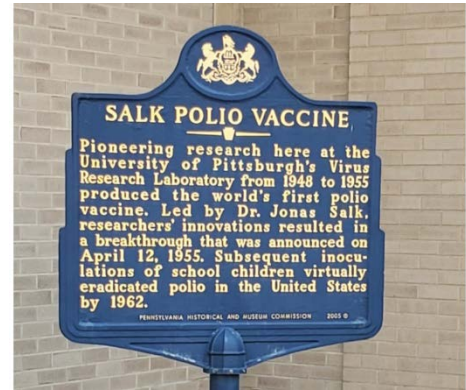
Take a photo of the "Exploding Whale Memorial Park" sign at the entrance to the parking lot.

Miles of Progress

PA

882 points

Polio Vaccine
3501 Terrace St
Pittsburgh, PA
40.4428, -79.9622
24 Hours



Dr. Jonas Salk led a team of researchers at the University of Pittsburgh that produced the world's first polio vaccine.

Take a photo of the Salk Polio Vaccine memorial plaque near the corner of Terrace St. and Sutherland Dr.

RI

1360 points

The First Successful Cotton Mill in America
67 Roosevelt Ave
Pawtucket, RI
41.8777, -71.3826
24 Hours



The Old Slater Mill in Pawtucket is known as the birthplace of the cotton manufacturing industry in America.

Take a photo of the plaque on the northwest corner of the mill building that begins "THE OLD SLATER MILL"

SC

1160 points

First Practical Typewriter
210 W Main St
Union, SC
34.7152, -81.6256
24 Hours



John Pratt of Union, SC is considered the grandfather of the typewriter for development of his "pterotype" machine in 1866.

Take a photo of the John Pratt Marker on the front lawn of the Union County Courthouse.

Miles of Progress

SD

295 points

Sanford Lab Solar Neutrino Tank
160 W. Main St
Lead, SD
44.3522, -103.7633
24 Hours



The Sanford Underground Research Facility is the deepest underground lab in the US. It houses multiple experiments in areas such as dark matter and neutrino physics. The lab is 1,490 meters underground, providing significant protection from solar radiation for sensitive experiments.

Take a photo of the water tank ring section on display outside the visitor center.

TN

802 points

First Abolition Publications
128 W Main St
Jonesborough, TN
36.2938, -82.4747
24 Hours



On this site in 1819-20 were printed the first periodicals in the US devoted exclusively to the abolition of human slavery.

Take a photo of the "First Abolition Publications" historical marker.

TX

1418 points

Dr Pepper Museum
300 South 5th St
Waco, TX
31.5551, -97.1296
M-Sat 1000-1730, Sun 12-1730



Dr. Pepper was created in the 1880's by pharmacist Charles Alderton of Waco, TX and nationally marketed starting in 1904. No one had even heard of Texas prior to that.

Take a photo of Dr. Alderton statue in his pharmacy inside the museum.

Miles of Progress

UT

963 points

Golden Spike National Historic Park
6200 N 22300 W
Promontory, UT
41.6171, -112.5508
1300, June 21, 2021



This park commemorates the joining of the last section of the first North American transcontinental railway.

Have your photo taken as part of a group by IBR Staff in the visitor center parking lot.

VA

1330 points

Mercury Test Capsule
413 W Mercury Blvd
Hampton, VA
37.0434, -76.3668
Daylight



Air Power Park has a Mercury test capsule that was used to verify protection from the extremes of space and high-speed atmospheric reentry. The original seven Mercury astronauts were based at nearby Langley Research Center.

Take a photo of the Mercury Test Capsule.

VT

1469 points

First American Platform Scale
Western Ave at Mt Vernon St.
St Johnsbury, VT
44.4179, -72.0277
24 Hours



Thaddeus Fairbanks held 32 patents with his most famous being the platform scale, which could accurately weigh large or ungainly objects such as entire wagons of produce.

Take a photo of the "First American Platform Scale" marker.

Miles of Progress

WA

2481 points

Boeing Airplane Plant
9404 East Marginal Way S
Seattle, WA
47.5184, -122.2974
Daylight



Surrounded on all sides by pieces of aviation history you will find the original Boeing Factory Plant, circa 1916.

Take a photo of the Boeing Airplane Co. Office building with your motorcycle in the picture.

WI

494 points

Vitamins and Trace Minerals
Linden Dr near Elm Dr.
Madison, WI
43.0753, -89.4152
24 Hours



Experiments conducted here by feeding single-grain diets to cows revealed that vitamins and other essential elements are necessary to support the biochemistry of life.

Take a photo of the "Discovering Vitamins and Trace Minerals" historical marker on the Univ. of Wisconsin campus. Be aware that there are many similar looking signs nearby.

WV

578 points

Wheeling Suspension Bridge
10th St at Main St
Wheeling, WV
40.0704, -80.7243
Daylight



This bridge, constructed between 1846 and 1849, was the first long-span wire-cable suspension bridge in the US. The deck has been rebuilt but the original towers and cables are still in service.

Take a photo of the "Wheeling Suspension Bridge" historical marker at the east end of the bridge with the bridge in the background.

WY

288 points

Brunton Compass
2255 Brunton Ct
Riverton, WY
43.0284, -108.4233
Daylight



The Brunton Compass was patented in 1894 and the first to use magnetic induction damping instead of fluid to damp needle oscillation.

Take a photo of the "N" and "Magnetic North" compass markers inlaid into the concrete outside the old Brunton office.

FLIGHT

5831 points

Bicycle to Airplane

Visit both the Wright Brother's bicycle shop in Dayton, OH and where they made history at Kill Devil Hills, NC.

Successfully claim both OH and NC bonuses.
