# Transit Times



## and Gazette

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### SCHEDULING TRAINING FOR CONDUCTORS & MOTORMEN SUSPENDED UNTIL FURTHER NOTICE!

<u>ST. LOUIS LAMBERT INTERNATIONAL AIRPORT</u> - is one of the most historic airports in the United States. It is named for Albert Bond Lambert (1875 -1946). He learned to fly with the Wright Brothers, received his pilot's license in 1911, and served in the U.S. Army in World War I, reaching the rank of Major. Throughout his life he worked tirelessly to make St. Louis a leader in aviation.

In 1920, Major Lambert and the Missouri Aeronautical Society leased 170 acres of farmland in St. Louis County to serve as an airfield for St. Louis. Major Lambert paid the rent and had the site cleared, graded and drained, and a hangar built at his own expense. He then offered free use of the field to anyone wishing to use it. World War I veterans William and Frank Robertson accepted this offer, and began operation at what became known as St. Louis Flying Field. In 1923, the Missouri National Guard formed the 110th Observation Squadron at the field, commanded by William Robertson.

Major Lambert was responsible for bringing the 1923 International Air Races to St. Louis, and the airfield was christened "Lambert St. Louis Flying Field" in recognition of his achievements. Twenty-one year old pilot Charles Lindbergh flew to St. Louis to attend the Air Races, and decided to remain at Lambert as an instructor.

When the lease expired in 1925, Major Lambert bought the airfield property. In that year the Post Office awarded Robertson the contract for airmail service between Chicago and St. Louis, and they hired Charles Lindbergh as the chief pilot. This mail route is the earliest predecessor of American Airlines. While flying the mail Lindbergh decided to seek the Orteig Prize for the first non-stop flight between New York and Paris. Major Lambert and other air-minded St. Louisans agreed to support him, and his May, 1927 flight aroused worldwide interest in aviation.



### A MUNICIPAL AIRPORT FOR THE CITY OF ST. LOUIS

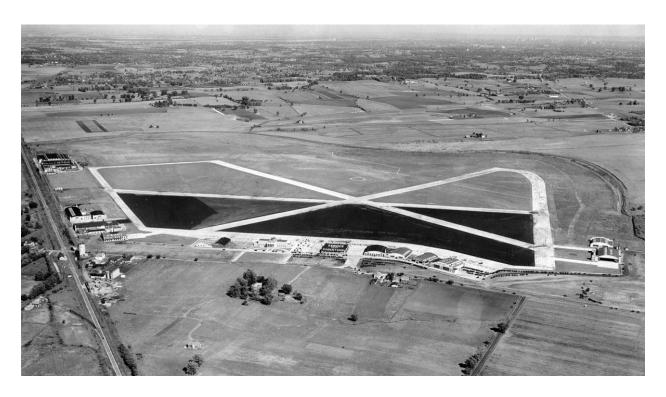
St. Louis voters approved a \$2 million bond issue for airport improvements in August, 1928. The City used the proceeds to buy the property from Major Lambert at his cost, and began extensive land acquisition and

improvements, including paved runways, taxiways and apron areas, hangars and support facilities. The Curtiss-Robertson Airplane Manufacturing Company was formed with William Robertson as its President to build the Curtiss Robin light airplane at Lambert. Curtiss-Robertson later became the St. Louis Division of the Curtiss-Wright Airplane Company, which produced a wide range of civil and military aircraft at Lambert during the 1930s.

Lambert was part of the first transcontinental air – rail passenger service inaugurated by Transcontinental Air Transport (TAT) in 1929, with the slogan "Coast to Coast in 48 hours." During that year St. Louis hired Archie League as the first air traffic controller to direct airplanes landing and taking off at Lambert. He started with signal flags, before progressing to light signals and radio for communications. In 1930 TAT became Transcontinental & Western Airlines (TWA). Lambert's first passenger terminal was completed in 1933, and served a total of 24,133 passengers during that year.

**LAMBERT DURING WORLD WAR II** - In 1939 James S. McDonnell formed the McDonnell Aircraft Company at Lambert. With the outbreak of WWII in Europe, the Curtiss-Wright plant at Lambert underwent a \$10 million expansion for military production. The City of St. Louis appointed a committee headed by famed pilot Jimmy Doolittle and including Major Lambert, to study needed expansion and improvement of Lambert's facilities. A new 6,000 foot runway was constructed to handle military requirements, and the United States Navy constructed a Naval Air Station at Lambert to train naval aviation cadets, more than 3,000 of whom would graduate by war's end.

Although military activity dominated at wartime Lambert, in 1942 St. Louis voters passed a new \$4.5 million bond issue for airport expansion to meet anticipated post-war requirements. Major Lambert continued spearheading efforts to gain support for needed improvements until his death in 1946.



**THE POST-WAR YEARS** - McDonnell Aircraft Corporation was awarded the contract to design and produce the Phantom, the Navy's first jet fighter, which in 1946 became the first American jet to operate from an aircraft carrier. When Curtiss-Wright ended aircraft production after WWII, McDonnell Aircraft took over its former plant at Lambert.

Post-war air travel increased as a new generation of airliners became available. TWA Lockheed Constellations and American Airlines Douglas DC-6's began serving Lambert. In 1950 Ozark Airlines, a new local service airline, began operations from its headquarters at Lambert.

The Korean War brought increased activity for McDonnell Aircraft, which built F2H Banshee and F3H Demon jet fighters for the Navy and F-101 Voodoos for the Air Force. McDonnell purchased the factory and land at Lambert from the City of St. Louis, which used the proceeds for further



airport improvements, including a new 10,000 foot runway capable of handling the coming generation of military aircraft and jet airliners.

THE JET AND SPACE AGE\_- In 1956, Minoru Yamasaki's iconic arched terminal opened, becoming the forerunner of many modern airline terminals. Its modular design provided for later expansion. The first McDonnell

F-4 Phantom II flew at Lambert in 1958. More than 5,000 F-4s were produced for the U.S. Navy, Air Force and Marine Corps and many foreign nations over the next 20 years.

Lambert became one of the first U.S. airports with jet airline service when Trans World Airlines began operating the groundbreaking Boeing 707 in 1959. As air travel grew rapidly during the 1960s, Lambert added a new parallel runway and expanded the terminal facilities to accommodate the increasing demand.

McDonnell Aircraft was selected by NASA in 1959 to build the Mercury spacecraft at Lambert, in which astronauts Alan Shepard and John Glenn became the first American astronauts in space and in orbit. Following the successful Mercury program, NASA chose McDonnell to build the two-man Gemini spacecraft, which pioneered rendezvous and docking in orbit and paved the way for the Apollo missions to the moon. In 1967 McDonnell Aircraft merged with Douglas Aircraft Company to become McDonnell Douglas Corporation.

**CHALLENGE AND CHANGE** - In November, 1971 the airport became Lambert-St. Louis International Airport. TWA began wide body service to Lambert with the Boeing 747 and Lockheed 1011 in 1972, and during the 1970s the Airport terminal and runways were further developed to meet the growing needs of airline passengers and aircraft.

McDonnell Douglas began producing the F-15 Eagle for the U.S. Air Force in 1972 and the FA-18 Hornet for the U.S. Navy in 1978. Both remain in production at Lambert in 2014—records unequalled by any other jet fighter. McDonnell Douglas also produced the unique AV-8B Harrier vertical takeoff and landing jet for the Marine Corps. All three aircraft saw extensive combat action in the Gulf War, Iraq and Afghanistan. The Missouri Air National Guard operated F-4s and F-15s at Lambert, in sight of the plant where they were built.

During this period controversy arose over whether a new airport was needed to replace Lambert. In 1977 the Federal Aviation Administration concluded that Lambert should be expanded and upgraded to meet anticipated future needs.

THE IMPACT OF AIRLINE DEREGULATION - Deregulation of the U.S. airline industry in 1978 brought about great changes by allowing carriers to compete freely over fares and routes. Most airlines adopted a "hub and spoke" approach in response, and in 1982 TWA made Lambert its principal domestic hub.

Terminal expansion continued as Lambert constructed new Concourse D, bringing



capacity to 81 gates by 1985. In that year, Southwest Airlines began serving Lambert, and TWA

inaugurated non-stop international flights from St. Louis to Paris, London and Frankfurt. TWA acquired Ozark Airlines, which operated coast to coast from Lambert. By 1988, Lambert's annual passenger traffic exceeded 20 million.

In the late 1980s an obvious need arose for further development of Lambert to alleviate delays, especially in bad weather, and to cope with rapidly increasing passenger traffic. A wide range of plans were proposed and considered, and in 1998 the FAA endorsed the W-1W alternative. The resulting Airport Expansion Program included building a new 9,000-foot parallel runway west of the airport, new taxiways and a tunnel for Lindbergh Boulevard under the runway, re-routing a section of Natural Bridge Road, a new airfield fire station, a new school for the Pattonville School District, and a new fire station for the Robertson Fire Protection District.

Also in 1998 Lambert opened a new 220,000 square foot East Terminal (Terminal 2) to serve the growing service provided by Southwest Airlines. McDonnell Douglas merged with the Boeing Company, which continued to produce F-15s and FA-18s at Lambert for the U.S. Air Force, Navy and Marine Corps, and U.S. allies around the world.

More than 30 million passengers traveled through Lambert in 2000.

**THE 21ST CENTURY** - The W-1W Airport Expansion Program took eight years to complete, involving 550 companies at a cost of over \$1 billion. It included the acquisition of 2,000 residential and commercial properties, with airfield construction starting in 2001. New runway 11-29 opened in April, 2006.

In 2001, American Airlines merged with TWA, uniting two airlines which had served Lambert since their earliest days.

The heightened security measures adopted following 9/11 imposed new burdens on airports, airlines and air travelers. In 2007, the Airport undertook the Airport Experience Program project to upgrade and improve Terminal 1. Work was well advanced when the Good Friday Tornado struck Lambert on April 22, 2011, causing extensive damage. The Airport re-opened the next day, and terminal repairs and upgrades were completed in April, 2012.

As St. Louis Lambert International Airport approaches its 100th anniversary, the quest continues to fulfill the vision of Albert Bond Lambert, its founder and namesake and to meet the everchanging challenges of air travel and the aviation industry.

### LAST PACKARD—THE CLASSIC AMERICAN LUXURY CAR—PRODUCED JUNE 25, 1956

The last Packard—the classic American luxury car with the famously enigmatic slogan "Ask the Man Who Owns One"—rolls off the production line at Packard's plant in Detroit, Michigan on this day in 1956.

Mechanical engineer James Ward Packard and his brother, William Dowd Packard, built their first automobile, a buggy-type vehicle with a single cylinder engine, in Warren, Ohio in 1899. The Packard Motor Car Company earned fame early on for a four-cylinder aluminum speedster called the "Gray Wolf," released in 1904. It became one of the first American racing cars to be available for sale to the general public. With the 1916 release of the Twin Six, with its revolutionary V-12 engine, Packard established itself as the country's leading luxury-car manufacturer. World War I saw Packard convert to war production earlier than most companies, and the Twin Six was adapted into the Liberty Aircraft engine, by far the most important single output of America's wartime industry.

Packards had large, square bodies that suggested an elegant solidity, and the company was renowned for its hand-finished attention to detail. In the 1930s, however, the superior resources of General Motors and the success of its V-16 engine pushed Cadillac past Packard as the premier luxury car in America. Packard diversified by producing a smaller, more affordable model, the One Twenty, which increased the company's sales. The coming of World War II halted consumer car production in the United States. In the postwar years, Packard struggled as Cadillac maintained a firm hold on the luxury car market and the media saddled the lumbering Packard with names like "bathtub" or "pregnant elephant."

With sales dwindling by the 1950s, Packard merged with the much larger Studebaker Corporation in the hope of cutting its production costs. The new Packard-Studebaker became the fourth largest manufacturer of cars in the nation. Studebaker was struggling as well, however, and eventually dropped all its own big cars as well as the Packard. In 1956, Packard-Studebaker's then-president, James Nance, made the decision to suspend Packard's manufacturing operations in Detroit. Though the company would continue to manufacture cars in South Bend, Indiana, until 1958, the final model produced on June 25, 1956, is considered the last true Packard.

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<u>DID YOU KNOW</u> – On March 21, 1928 President Calvin Coolidge awarded Charles Lindbergh the Congressional Medal of Honor for his transatlantic flight. The citation read, "For displaying heroic courage and skill as a navigator, at the risk of his life" and said Lindbergh had achieved "The greatest individual triumph of any American citizen."