Long Beach, California Nautical and Aviation History

John Stubbs and Joshua Chaiton fly a Columbia 350 over Queensway Bay east of the Queen Mary; Rainbow Harbor and downtown are just to the right of the nose of the airplane.

by John T. Kounis aerial photos by George A. Kounis

al Rodgers cut the power to his 35-horsepower engine and descended toward the shore at Long Beach, Calif. The four spoked wheels of his Wright EX biplane, the "Vin Fiz," plopped onto the sand and rolled safely to a stop—a significant achievement considering he had already crashed more than 15 times. When the waters of the Pacific Ocean touched his landing gear on Dec. 10, 1911, Rodgers had completed the first ever coast-to-coast flight. After removing the crutches from where he had lashed them to the wing, he hobbled on the ankle he had injured in a crash only days earlier toward the cheering crowd.

A STATE AND A ST

According to the Pasadena Daily News, upon his first landing in the Los Angeles Basin, Rodgers had been "encompassed by battalions of the sweetest, fairest women in the land." Though the follow-me golf cart at Long Beach may pale in comparison to Rodgers' welcome, the city of Long Beach once again rolls out the red carpet for aviators from coast to coast with hundreds of aviation exhibits and aircraft displays at AOPA Aviation Summit, Nov. 11–13, 2010, *www.aopa.org/summit*. A famous ocean liner, world-class aquarium, and activities both on and off the water make Long Beach an attraction any time of year.

Flying There

Long Beach is in the Los Angeles Basin, about 15 nm southeast of Los Angeles International Airport (LAX). Although the surrounding Class B, C, D, E, and G airspaces within a few miles of the airport may seem intimidating, a few easy VFR routes enable you to easily fly to and from Long Beach.

From the northeast, you can follow I-605 southbound below the 2,500-ft. Los Angeles Class B floor. ILS approaches to LAX cross I-605 as low as 3,700 ft., so make sure not to fly too high. From the northwest, you can fly through the Los Angeles Special Flight Rules Area (SFRA) directly over LAX and get a birds-eye view of the jumbo jets operating below. Transition southeast-bound at 3,500 ft. MSL or northwest-bound at 4,500 ft.



MSL on the Santa Monica VOR (SMO 110.8 MHz) 132-degree radial. Carry a current Los Angeles Terminal Area Chart; refer to the side panel for details on the SFRA and other routes through the Class B.

From the south and east, you'll need to contact SoCal Approach to transition the Class C areas for Santa Ana (SNA), March AFB (RIV), and Ontario (ONT). If traffic is light at the adjacent Los Alamitos AAF (SLI), SoCal Approach will usually clear you through the SLI Class D and transition you directly to Long Beach Tower. Fog and stratus are common in the early morning, but usually burn off before midday.

Long Beach has five runways: 7/25 L and R are used by most light aircraft, 16/34 L and R are used during rare Santa Ana winds that blow out of the north, and 12/30 is the air carrier runway. Runway 25L is most convenient, since it is closest to the FBOs. If you arrive IFR and are assigned Runway 30, land short and taxi across Runway 7R/25L to get to most of the FBOs.

At press time, five FBOs had tiedowns and fuel. If you're flying to AOPA Summit



Courtesy Long Beach CVB

in November, Airflite is the host FBO; it's near the east end of Runway 25L, *www.airflight.com*.

History

Present-day Long Beach is within the boundaries of two Mexican ranchos established in 1834. Though the ranchos have long since been subdivided, the original ranch houses still stand: Rancho Los Cerritos is at 4600 Virginia Rd., 562-570-1755, *www.rancholoscerritos.org*, and Rancho Los Alamitos is at 6400 Bixby Hill Rd., 562-431-3541, *www.rancholosalamitos.com*.

The arrival of the Southern Pacific Railroad in Los Angeles in 1876 helped spark a land boom and the town of Long Beach was established in 1887. The Pacific Electric Trolley arrived in 1902, and connected Long Beach to Los Angeles. From 1902 to 1910, Long Beach was the fastest growing city in the United States. Population swelled from 2,252 in 1900 to 17,800 in 1910.

Before Hollywood became famous, Long Beach was the home of Balboa Amusement Producing Company (a.k.a. Balboa Studios), the largest independent film company in the world from 1913 to 1918. W.C. Fields, Buster Keaton, Roscoe "Fatty" Arbuckle, and Jackie Saunders all lived here. Balboa Studios went from boom to bust and declared bankruptcy in 1918.

In 1941, Douglas Aircraft built a facility in Long Beach to meet increasing demand. The company merged to form McDonnell Douglas and ultimately merged with Boeing. Starting with the C-47 (military DC-3), the plant manufactured more than 15,000 airplanes including C-17 Globemasters, MD-11s, and Boeing 717s.

On Nov. 2, 1947, Howard Hughes made the *Spruce Goose*'s one-and-only flight in Long Beach Harbor: about one minute at 70 ft. MSL. The huge, eight-engine wooden seaplane (hence the name "Spruce Goose") had a 320-foot wingspan—the widest of any aircraft ever built. The aircraft was then stored in flying condition for more than 30 years. The public got its next look at it



Clockwise from left: Runway 25L is on the south side of the airport, closest to the FBOs; The Queen Mary is an iconic Long Beach landmark. The dome behind it used to house the Spruce Goose; Flying over Rainbow Harbor across from the Queen Mary.

after the Aero Club of Southern California acquired the aircraft in 1980 and put it on display in a large white dome adjacent to the Queen Mary in 1983. The Evergreen Aviation & Space Museum in McMinnville, Ore., purchased the aircraft in 1990 for \$1 (plus \$5 million for shipping & handling), where it remains today.

What to Do

Most activities in Long Beach are clustered around two primary areas. You'll find the Queen Mary, Rainbow Harbor, the Convention Center, and the many eateries along Pine Avenue at the waterfront, about five miles south of the airport. Belmont Shores and Gondola Getaways are at Alamitos Bay, five miles east of the Convention Center along the beach.

Moored just across Queensway Bay from the Convention Center, the 1,019-foot-long **Queen Mary** is an iconic Long Beach landmark. "How much larger was the *Titanic*?"



is a common question tour guides hear. The answer? The Titanic was 136 feet shorter and had roughly half the gross tonnage. The Queen Mary's 28.5-knot cruise speed made her the fastest ship of her time. More than 1,000 crew attended to 2,000 passengers on a typical crossing; their jobs ranged from preparing gourmet meals to rubbing down the all-teak decks with pumice daily. Despite the fanfare when she first launched in 1934, astrologer Lady Mabel Fortescue-Harrison foretold that the ship would "know its greatest fame and popularity when she never sails another mile and never carries another passenger." The ship made 1,001 Atlantic crossings, carrying the rich and famous in peacetime, and thousands of troops during World War II. Finally, in 1967, the astrologer's prediction came true when she was sold to the city of Long Beach at auction. Today, the Oueen Mary attracts more than 1.5 million visitors annuallynearly as many as the total people it carried across the Atlantic. You can experience the opulence of yesteryear with intricate wood marketing panels, teak decks, onyx fireplaces, unique sculpture, polished nickel railings, and lavish Art Deco décor, or descend below decks to see the engine room and state-of-the-art (for the 1930s) technology, admission \$13-\$25, 10 a.m.-6 p.m., 1126 Queens Hwy., 562-435-3511 or 877-342-0738, www.queenmary.com.

After you've reveled in Art Deco luxury, squeeze your way past narrow portholes, exposed pipes, valves, gauges, and torpedoes in the Russian **submarine** moored next to the *Queen Mary*. This 300-foot-long Foxtrot-class, dieselelectric submarine housed 78 crewmembers—who shared two showers and three toilets—for months at a time and visited exotic ports of call in places like Libya, Cuba, and Murmansk. After your tour,

•••• FLY A ZEPPELIN •••••



ne Long Beach aviation experience is available in few other places on Earth: riding—and even piloting—a Zeppelin. Airship Ventures operates N704LZ "Eureka," one of only three Zeppelin NTs in existence, and uses Long Beach as one of its operating bases on the West Coast. After years of looking up at the Goodyear blimp that is based in nearby Gardena, yet which does not sell rides, Southern California passengers can finally book a ride aboard an airship. Best of all, aviators can enroll in a two-day Pilot Experience that includes loggable stick time in the Zeppelin.

The Zeppelin

When most people think of an airship, they think of blimps, non-rigid airships that use inflation to retain their shape. Since there is no rigid structure inside a blimp, the gondola and flight controls are supported by cables and load patches, and the engines are mounted on the gondola. This results in a pretty loud ride.

The Zeppelin, on the other hand, is a semi-rigid airship, which means it has an internal aluminum and carbon fiber framework. The flight controls and three IO-360 engines swinging seven-foot-diameter props are mounted up on the framework, far away from the gondola, so there is minimal vibration and the noise level is a quiet 20 dB at the normal cruise speed of Mach 0.053 (about 35 knots). Unlike the *Hindenberg*, the hydrogen-filled rigid 1930s airship that caught fire, today's Zeppelins are filled with helium, which is non-flammable.

Surprisingly, the Zeppelin shares many aspects with ships. As soon as you board, you can feel the buoyant airship gently bobbing and swaying in the wind. Up to 185 gallons of water ballast are carried on board, so you'll likely hear the water sloshing back and forth and lapping against the sides of the tank. Large picture windows afford up to 12 passengers a panoramic view from a typical cruising altitude of 1,000 ft. AGL. The aircraft boasts a "loo with

a view," since the bathroom also has a large window.

The Zeppelin flies a departure profile you likely haven't seen. It lifts off from the center of Long Beach Airport between runways 25L and 25R, and then ascends vertically while rotating toward the south. To meet a crossing restriction, it climbs at zero airspeed to 500 ft. before initiating forward flight. After the "Fasten Seat Belt" sign turns off, you can walk around the cabin and even stick your head out the window to feel the breeze in your face.





Airship Ventures operates from Oakland (OAK), Moffett Field (NUQ), and Monterey (MRY) in Northern California, and Long Beach (LGB) and San Diego (MYF) in Southern California. One-hour scenic flights start at \$495 per person, 650-969-8100, *www.airshipventures.com*.

The Pilot Experience

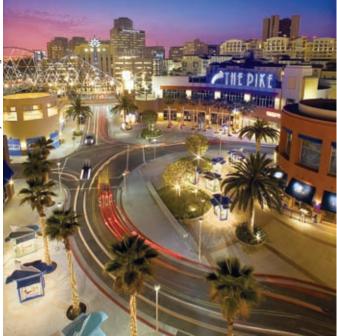
Certified pilots can log Zeppelin time on a Pilot Experience package. The courses are taught by Senior Pilot Kate Board, the only registered Zeppelin instructor in the United States. Between blimps and Zeppelins, she has 5,500 hours of airship time.

Ground school on the first day of the Pilot Experience covers in-depth explanations of the aircraft systems and principles of operation. More than 200,000 cubic feet of helium provide buoyancy for the Zeppelin, and even a small difference in air pressure results in a big change in volume. To counter the differences in volume as the ship climbs and descends, large air bladders, called ballonets, are filled or emptied with pumps. Since air is heaver than helium, pumping air between ballonets can be used for trim. Climb and descent rates are limited by how fast you can vent or pump the ballonets. The maximum is about 1,200 fpm climb and about 1,000 fpm descent with two fans operating; with only one fan operating, the rates are limited to around 600 fpm. "Pressure Height" is the maximum altitude at which point you've emptied the ballonets and would need to vent helium to climb any more; it's usually as low as 3,000 ft. AGL.

On the second day, each participant gets 45 minutes of dual instruction in the Zeppelin. Pilots start with gentle climbs, descents, and turns. The flight controls are fly-by-wire, so you won't need super strength to move the barn-door-sized rudder and elevators. I expected a big, beefy yoke, but all it takes is gentle pressure on a small sidestick to control the 246-footlong airship, and you can quickly get a feel for the aircraft. More assertive maneuvering follows, during which time it's a good idea for the other par-

> ticipants to have their seatbelts on since the pitch attitudes can get pretty steep (the Zeppelin can't stall after all). Then Kate has the pilots slow to a hover and switch to "Thrust Vector Control" where the engines swivel to change attitude.

> The final maneuver is a standard rate turn. Kate secretly times each turn, and the pilot who completes it closest to the perfect two-minute time receives an award at the end of the class. My time was 2:03, and I lost by one second. The pilot experience costs \$2,950.



Above: The Pike at Rainbow Harbor is a shopping and entertainment complex across from the Convention Center. Below: Sea lions are just some of the sea life you can see at the Aquarium of the Pacific.

stop at the gift shop for authentic Russian military surplus memorabilia or a bottle of Leninade.

On the north side of Queensway Bay, across a footbridge over Shoreline Drive from the Convention Center, a brick esplanade wraps around **Rainbow Harbor** past shops, galleries, and restaurants. It is anchored at one end by the iconic, 65-foottall Lions Lighthouse for Sight that dates all the way back to the last century (it was built as a tourist attraction in the 1990s). The shops of Shoreline Village line the east side of the harbor, ending with Parkers' Lighthouse, a popular seafood restaurant in the octagonal, white building topped with a cupola. The esplanade bustles in the evenings with diners on outdoor patios, partiers, and those simply enjoying the view of the calm harbor.

You can start your tour with an introduction to sea life at the Aquarium of the Pacific on the west side of the harbor. The 32 exhibits highlight 19 major habitats in different regions of the Pacific Ocean. Upon entering, the first thing you'll see is a life-sized model of an 88-foot-long blue whale with her 21foot-long calf alongside. See playful sea otters in the Northern Pacific Gallery or even

touch a zebra or bamboo shark in the shark lagoon. You may see volunteer divers working to feed the fish or clean the exhibits. The divers are equipped with intercoms so they can explain what they're doing to visitors. A unique attraction is the Lorikeet Forest, where you can feed the colorful birds (wear clothes that you don't mind potentially getting soiled). Admission is \$12– \$24, 9 a.m.–6 p.m., 100 Aquarium Way, 562-590-3100, www.aquariumofpacific.org.

If the captive sea life piqued your interest, you can board a **whale-watching cruise** next to the Aquarium to see marine life in the wild. Blue whale season runs from June





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Left: The five and a half miles of sandy beach between Rainbow Harbor and Alamitos Bay enjoy calm waters because of the breakwater. Right: Gondola Getaway operates authentic Venetian gondolas for a romantic way to tour Alamitos Bay and Naples Island.

through December, followed by the California gray whale season from December through mid-May. In addition to the whales, you'll likely be accompanied by dolphins darting around the boat, \$25–\$45, open 8 a.m.–7 p.m., cruises usually depart at 11:30 a.m. on weekends and 2 p.m. on weekdays, 100 Aquarium Way Dock No. 2, 562-432-4900, *www.2seewbales.com*.

For a bigger adrenaline rush, zoom around the ocean on a 45-minute **Rocket Boat** ride with Rock and Roll blasting from the 4,000watt sound system. Speed boat rides operate every 90 minutes 1:30–7:30 p.m. on weekends. The back seats are removed to create a large dance floor for party cruises at 10 p.m. and midnight, \$10–\$15, 423 Shoreline Village Dr., 562-437-6253, *www.rocketboat.net*.

When Cal Rodgers landed in Long Beach, the Pike was a bustling amusement park at the end of the Pacific Electric Railway line



from Los Angeles. It had roller coasters, Ferris wheels, and a brand new carousel. Though the park closed in 1979, the new **Pike at Rainbow Harbor** across the street from the Convention Center opened in 2003. The shopping and entertainment complex rekindles the original's spirit with a Ferris Wheel, GameWorks video gaming center, 14-screen Cinemark movie theater complex, and V₂O, a hip dance club that is popular with the 20-something crowd, *www.thepike atlongbeach.com*.

Extending for five miles east from Rainbow Harbor are 5 1/2 miles of sandy **beach** lined with a paved bicycle path. Visitors swim, bicycle, kite surf, wakeboard, or just kick back and relax in the sun. Though Long Beach was once known as the Waikiki of Southern California and even conducted surfing contests in the early 20th century, a breakwater built during World War II assures calm waters today. You can rent everything from bicycles or roller blades to beach chairs, pedal boats and kayaks at Wheel Fun Rentals in Shoreline Village. Bicycle rentals start at \$15 per hour or \$35 per day, Mon-Thu 9 a.m.-sunset, Fri-Sun & holidays 9 a.m.-8 p.m. (Jun-Aug), 10 a.m.-sunset daily (Sep-May), 419 Shoreline Village Dr., 562-951-3857 or 805-650-7770, www.wheelfunrentals.com.

At the east end of the beach, Alamitos Bay has narrow channels that snake around tiny Naples Island. For a romantic way to see the bay, ply the calm waters on an authentic Venetian gondola with **Gondola Getaway**, the oldest gondola company in the United States. On the one-hour cruise, your gondolier may serenade you in Italian or English as he propels you with a special Venetian oar stroke, \$75 for two plus \$20 per additional person. Wine and beer tasting, pizza, and dinner cruises are also available, 11 a.m.–11 p.m., 5437 E. Ocean Blvd., 562-433-9595, *www.gondolagetawayinc.com*.

For more information on activities, dining, and lodging, visit the **Long Beach Area Convention & Visitors Bureau**, 1 World Trade Center Ste 300, 562-436-3645 or 800-452-7829, *www.visitlongbeach.com*.

Where to Stay

With more than 5,000 hotel rooms, Long Beach can accommodate a wide variety of lodging needs. Many of the chain hotels such as Best Western, Marriott, The Westin, Hyatt Regency, and Holiday Inn have hotels at the airport and on the waterfront, but some unique hotels stand out. (You can get special hotel rates for AOPA Summit by visiting www.aopa.org/summit/travel-infor mation.btml.)

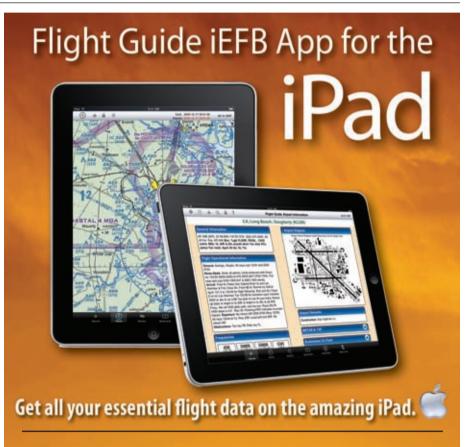
You can check in at the purser's desk in the ornate Lobby, and then spend the night in luxury aboard the **Queen Mary Hotel**. The 305 first-class staterooms and nine suites evoke the 1930s with original Art Deco artwork and period décor, plus modern amenities like WiFi and big screen TVs, \$105–\$630, 1126 Queens Hwy., 562-432-6964 or 877-342-0742, *www.queenmary.com*.

Colorful, Mayan-themed artwork, distressed wood that could have just floated in on the surf, colored glass, and Native American basket and woodwork are just some elements of the décor in the eclectic **Hotel Maya**, the result of the Joie de Vivre hotel group's recent \$20 million renovation. At every turn, you'll see unique items like a dumbwaiter suspended by chains from a pulley to lower drinks to the lobby or sculptures made from driftwood.

The four beehive-shaped buildings just west of the Queen Mary are shaped so that most of the 199 rooms have a water view. Guests can rent boats in the hotel's own marina. Water taxis, Aquabus service, or the red Passport bus connects the hotel to Rainbow Harbor.

The on-site Fuego at the Maya serves seafood and Latin American cuisine prepared under the supervision of Executive Chef Jesse Perez. Named the top Latino chef in the country by the Flavors of Passion Awards, Perez draws upon experience and training that spans the continent from San Antonio, Texas to Oaxaca, Mexico. The patio is a great place to sip a drink while taking in the sunset over the water, rooms \$148–\$350, 700 Queensway Dr., 562-453-3669, *www.hotelmayalongbeach.com.*

Those who love the water don't have to settle for just a view of the water. You can



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Clockwise from above: The Hotel Maya has an eclectic ambience imparted by unique artwork and architecture; Parkers' Lighthouse is at the end of Seaport Village on Rainbow Harbor; Champagne Sunday Brunch is served in the Grand Salon on the Queen Mary.

stay right *on* the water at the **Dockside Boat and Bed**. This bed and breakfast offers staterooms on 40–54-foot yachts moored at Rainbow Harbor, within a few steps from restaurants and attractions and just across the street from the Convention Center. Rates include the entire boat for two guests (additional guests are \$25), \$210–\$325, 316 E. Shoreline Dr., 562-436-3111, *www.boatandbed.com*.

Where to Eat

If you're hungry when you land, taxi to Mercury Air Center on the south side of the field at the end of Taxiway B. On the third floor, above the FBO, **Restorante DaVinci** serves gourmet Italian cuisine in a dining room and outdoor patio with a panoramic view of the runways. Start off with an *antipasto* like Tartare di Salmone tossed with capers, Italian herbs, and imported Sorrento lemon oil and topped with caviar cream and pasta chips. Then choose from *primi piati* like Gnocchi alla Romana, potato and goat cheese dumplings with crispy rabbit loin tossed in piccata sauce, or *secondi piati* like Coniglio, Italian herb-crusted rabbit with gnocchi and fresh porcini mushrooms and jus, entrées \$11-\$42, Mon-Fri 11:30 a.m.-5 p.m., Mon-Sat 5-10 p.m., 2801 E. Spring St., 562-685-8111, *www.davincilb.com*.

The closest eateries to the Convention Center are numerous choices on "restaurant row" along Pine Avenue to the north, and Rainbow Harbor to the south, both within walking distance.

Not surprisingly, some popular places to eat in Long Beach are on the Queen Mary, which has six restaurants on board. The five-star **Sir Winston's Restaurant** is one of only two in the city that request gentlemen wear a coat to dinner. Enjoy the Beef Wellington with truffle sauce, \$43, while taking in the view of the harbor from one of the window-side tables, or share Chateaubriand for two with red onion marmalade, and a béarnaise and red wine sauce, \$76, entrées \$28–\$76, 5:30–10 p.m., 562-499-1657, *www.queenmary.com/Sir-Winstons.aspx.*

Arguably the best **Champagne Sunday Brunch** in town is served 9:30 a.m.–2 p.m. in the Grand Salon, which was once the dining room for first class passengers. You won't leave hungry, as more than 50 entrées



compete for a space on your plate. Selections include Eggs Benedict, prime rib, Asian fusion cuisine, Mexican dishes, and a variety of dessert choices including make-your-own ice cream sundaes that the kids are sure to love, adults \$39, children 5–11 \$12, 562-499-1606, *www.queenmary.com/Champagne-Sunday-Brunch.aspx.*

The **Observation Bar** is a great place to have a drink and socialize at the end of the day. It served as the first class lounge. Here you can immerse yourself in Art Deco ambience with rich wood paneling, period lamps, and original artwork, 562-435-3511, *www.queenmary.com/The-Observation-Bar.aspx.*

For a more casual breakfast experience, head back to town and visit **Chuck's Coffee shop**, self-proclaimed to be "Locally World Famous." Locals pack into this unassuming restaurant near Belmont Shores every morning and order the "weasel," a plate of fried potatoes covered with scrambled eggs and Chuck's own chili, then topped with chopped onions and shredded cheese.

Transportation

During AOPA Summit, **free shuttles** operate between the airport and the Convention Center. The FBOs can also arrange **car rentals** with most major rental companies located at the airport. Otherwise, it's about a \$20–\$30 **taxi** ride to downtown and the Convention Center. Once you're downtown, most of the eateries and attractions are within walking distance.

Long Beach is well served by public transportation, including the red **Passport buses** that operate on four routes around downtown and out to Alamitos Bay, five miles east. The **AquaBus** boat makes an hourly loop around the waterfront stopping at the Hotel Maya, Queen Mary, the Aquarium of the Pacific, and Shoreline Village. On weekends, **AquaLink** boats augment the service, connecting to Alamitos Bay. For public transportation maps and schedules, visit *www.lbtransit.com*.



The **Los Angeles Metro** connects downtown Long Beach to the rest of the Los Angeles Basin. It's a 54-minute ride on the Blue Line from the Long Beach Transit Mall at 1st and Pine, two blocks north of the Convention Center, to the Metro Center Station in downtown Los Angeles. There you can change to the Red Line, servicing Santa Monica, Hollywood, Universal City, and the San Fernando Valley, with further connections possible at Union Station to Chinatown, Pasadena, and Little Tokyo, *www.metro.net*.

If you just want to scoot around the downtown area and the waterfront, you can rent a bicycle in Shoreline Village (see *What to Do*) or **rent a Segway** at Segway of Long Beach. These two-wheel electric scooters rent for \$79 for two hours or \$125 per day or you can take a guided two-hour Segway tour around downtown and the waterfront, \$79 per person, 27 Aquarium Way, 562-437-9348 or 866-SEGWAY9, *www.segwaylb.com*.

The Pasadena Daily News described Cal Rodgers as "the greatest aviator in the world, who by sheer force of will and nerves of steel, had accomplished the impossible." You will likely not need such mettle to complete your flight, and you may not be "encompassed by the battalions of the sweetest, fairest women in the land" after landing, but the lure of numerous attractions on the waterfront and beyond will attract you to this California coastal city.

LG	B Long Beach Airport Long Beach, CA • N 33° 49.1' W 118° 09.1 • Elevation: 60 ft.	Sectional Chart:Los AngelesPattern Altitude:1,000 ft. singles1,500 ft. otherRight Traffic Rwys7R, 16R, 25R, 34R.
		Frequencies Atis: 127.75
	Fight Guide son (llustration reduced)	Tower: 119.4/ 120.5 Ground: 133.0 SoCal Approach: 124.65 Clnc. Del: 118.15 Hawthorne FSS: 122.5
NOTES:	Noise sensitive areas in all quadrants. No touch-and-goes 7 p.m7 a.m. weekdays, 3 p.m8 a.m.	. weekends and holidays.
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SERVICES:	 Inces: AirFlite. Ramp fee: Singles \$15, Twins \$20 (waived with 20-gallon for singles or 25-gallon for twins fuel purchase). Hangars: Singles \$50, Twins \$55. Courtesy car, rental cars, pilot lounge, pilot supplies, flight planning. Fuel: 100LL \$4.92 (full-serve), Jet A \$4.35 (full-serve). Open 24 hrs., 562-490-6202 or 800-241-3548, Unicom 129.375 MHz. Mercury. Ramp fee: Singles \$28, Twins: \$25. Parking: Singles \$27, Twins \$60. Ramp and parking fees waived with minimum fuel purchases. Courtesy car, rental cars, pilot lounge, pilot supplies, flight planning. Fuel: 100LL \$5.28 (full-serve), Jet A \$4.36 (full-serve), Open 5:30 a.m10 p.m. After hours service with prearrangement, 562-490-2874 or 562-244-9339. Unicom 131.6 MHz. 	

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