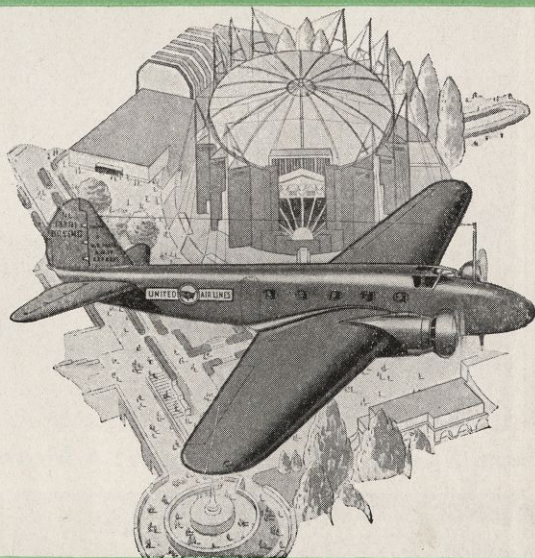


# UNITED AIR LINES

New Type All-Metal Wasp-Powered  
"Three-Mile-A-Minute" Boeing Transport  
displayed in the Dome of the TRAVEL AND  
TRANSPORT BUILDING, Chicago, 1933



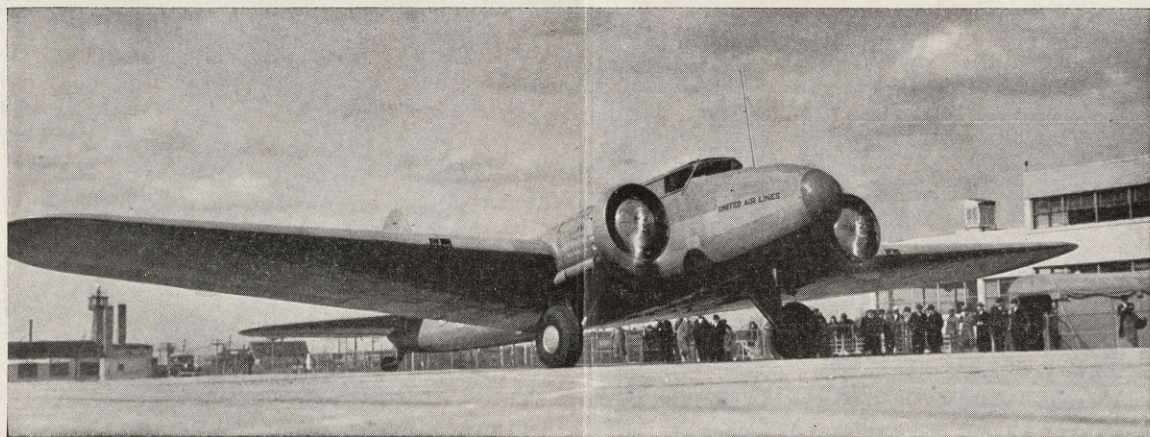
Climaxing  
A CENTURY OF PROGRESS  
IN TRANSPORTATION

## "Three-Mile-A-Minute" Passenger Planes Incorporate Latest Features of Airplane Design and Construction

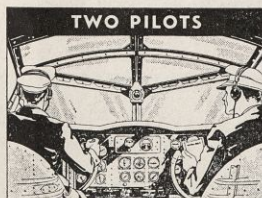
DESIGNATION of the new-type low-wing all-metal BOEING monoplane as the only transport plane to be displayed in the dome of the Travel and Transport Building at A Century of Progress Exposition is recognition of its outstanding performance and construction. Planes of this type provide the world's fastest multi-motored passenger-mail-express service. (See back page.)

These twin-engined BOEING transports set a new standard of comfort as well as speed. They are roomier, quieter, better ventilated—more pleasant in every detail.

Although UNITED AIR LINES' service has already set a high standard for air transportation, there is a treat in store for you when you fly in these new BOEING transports.



**More Speed • More Comfort • More Frequent Schedules • No Increase in Fares**



**TWO PILOTS**  
United pilots average 4000 hrs. flying experience. Instrument board has latest inventions and aids to aviation.



**2 "WASP" ENGINES**  
Fully loaded, the plane can fly, if necessary, on only one of its two 550 h. p. supercharged "Wasp" engines.



**ALL-METAL**  
The 74 ft. wing can support a load of 36½ tons, and the landing gear 32 tons—5 times the plane's weight.



**SPEED—3 MILES A MINUTE**  
This "3-Mile-A-Minute" plane shrinks America to ¼ its size, when size is measured in travel time.



**2-WAY RADIO**  
Voice communication between planes and ground stations... frequent weather reports "telephoned up".



**COMFORT**  
Wide, upholstered chairs spaced 40" apart. Recline for night flying. Cabin insulated to minimize noise.



**STEWARDESS SERVICE**  
United employs 50 stewardesses on its multi-motored passenger transports. Lunches served aloft.

## United Aircraft and Transport Corporation

THE NEW "Three-Mile-A-Minute" all-metal low-wing monoplane exhibited by United Aircraft & Transport Corporation at "A Century of Progress" is manufactured by the Boeing Airplane Company and equipped with two Pratt and Whitney 550 h. p. supercharged "Wasp" engines and 3-bladed Hamilton Standard propellers.

UNITED AIRCRAFT AND TRANSPORT CORPORATION includes the following:

### Equipment Companies

Boeing Airplane Company  
Boeing Aircraft of Canada, Ltd.  
Hamilton Standard Propeller Co.  
The Pratt & Whitney Aircraft Co.  
Canadian Pratt & Whitney Aircraft Co., Ltd.  
Sikorsky Aviation Corp.  
The Stearman Aircraft Co.  
Chance Vought Corp.

### Operating Subsidiaries

UNITED AIR LINES, whose divisions are:

<i>Company</i>	<i>Route</i>
Boeing Air Transport, Inc. . . . .	California-Chicago
National Air Transport, Inc. . . . .	Chicago-New York Chicago-Dallas
Pacific Air Transport . . . . .	San Diego-Seattle
Varney Air Lines, Inc. . . . .	Salt Lake City-Seattle

### Other United Operations

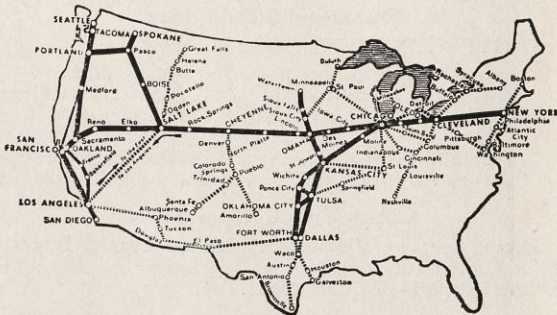
Boeing School of Aeronautics; United Aircraft Exports, Inc.; United Airports Company of California, Ltd.; The United Airports of Connecticut, Inc.

## World's Fastest Multi-Motor Passenger Plane Service

UNITED AIR LINES' more frequent schedules and speedier service, with the new-type high-speed Boeing twin-engined transports, is changing the travel map of the nation. Imagine traveling from California to New York in 20 hours — or of flying from Chicago to New York in less than five hours. Imagine having lunch in New York today and breakfast on the Pacific Coast tomorrow! These time and distance annihilating schedules apply from scores of cities, as United offers a nation-wide service through direct and connecting air and air-rail schedules.

*Plan to enjoy the fastest multi-motor plane service in the world. Cool—Clean—Fast—Speed with Comfort.*

Ask the attendant for fares and schedules to or from your city. United Air Lines has direct or connecting service to 137 cities in 38 states.



# UNITED AIR LINES

**Reservations-Information** — Any United Air Lines Ticket Office; All Postal and Western Union Telegraph Offices; Hotels; Travel Bureaus.  
**USE AIR MAIL—IT SAVES TIME**

## Interesting Facts on United's New Boeing Planes

**Construction**—Streamlined, all-metal twin-engined monoplane manufactured by Boeing Airplane Company. Major construction in duraluminum which is as light as aluminum but as strong as steel. Retractable landing gear with shock absorbers, hydraulic brakes and large tires insuring smooth landings.

**High Speed**—"Three-Miles-A-Minute."

**Cruising Speed**—165-171 m. p. h.

**Cruising Range**—660 miles.

**Take-off**—770 foot run. **Lands**—At 58 m.p.h.

**Climb**—Fully loaded, the plane can climb 830 feet a minute at sea level and reach 8,000 feet in ten minutes. Service ceiling is 18,400 feet.

**Size**—Wing span 74 feet; Length, 51 feet. Weight, 6½ tons fully loaded.

**Crew**—Two pilots and Stewardess.

**Payload**—Ten passengers, baggage, mail and express.

**Express-Mail Compartments**—125 cubic feet space in nose pit and rear compartments.

**Power Plant**—Two Pratt and Whitney 550 h. p. WASP engines supercharged to give them sea level efficiency at higher altitudes. 3-bladed Hamilton steel propellers.

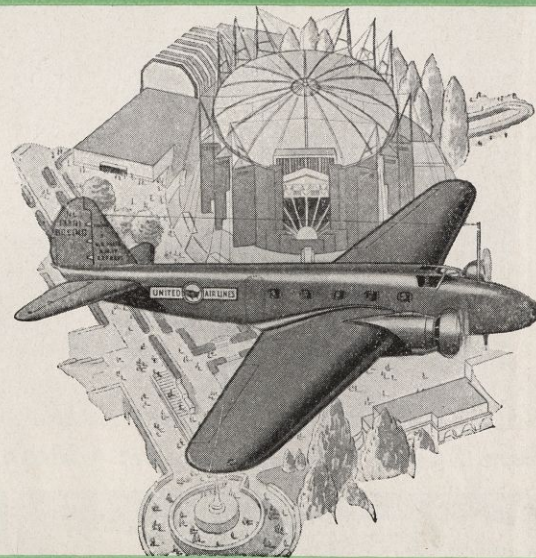
**Special Passenger Features**—Cabin 20 feet long and 6 feet high . . . upholstered, adjustable reclining chairs (20 inches wide and 3½ feet apart) . . . lavatory . . . cabin insulated against noise . . . main and individual ventilators . . . reading lights at each seat . . . stewardess pantry.

**Flying Aids**—Equipment for two-way radio and reception of directive radio beam . . . dual controls for two pilots . . . unusual visibility for the pilots . . . main instrument board with 35 different devices . . . latest instruments, including directional gyro and compass, sensitive altimeter (records elevations in hundreds, as well as thousands, of feet) . . . artificial horizon . . . special night flying equipment . . . Boeing patented flaps to "trim" the plane in flight.

**"Boeing Has Always Built Tomorrows Airplane Today"**

# UNITED AIR LINES

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