

MONORAILS?



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R. W. CRIPE FILE

Air-Rail!

© AMERICAN CRANE & HOIST CORP.
DOWNEY, CALIFORNIA

Briefly... about monorails and ... **Air-Rail**

□ Contrary to popular belief, monorail systems are not new. In fact, they were operational as early as 1830 in Ireland! Pennsylvania saw the first American monorail in 1878 and subsequent years saw many innovations.

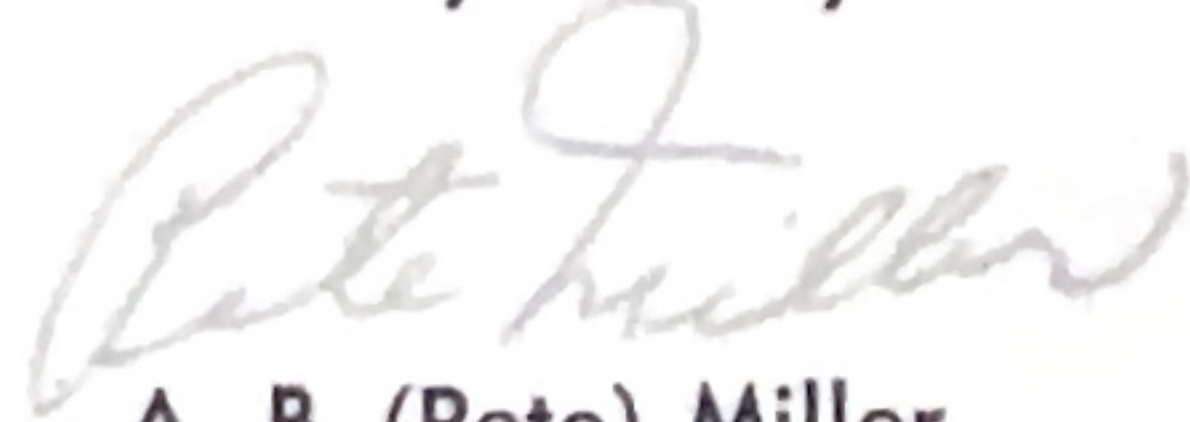
□ The classic example of an air-rail is located in the industrial complex of the Ruhr Valley and is known as the Wuppertal. Suspended over a winding river bed, this unique system which was constructed in 1901, has carried over one billion passengers without a serious accident involving derailment or structural failure!

□ American Crane and Hoist has modified this "suspended" system into the most practical and economical method of transit — the Air-Rail. Since 1945, our firm through its predecessor companies, the Charles O. Payne Electric Co., and the Pete Miller Co., has designed and installed industrial monorails for the nation's leading industrial organizations.

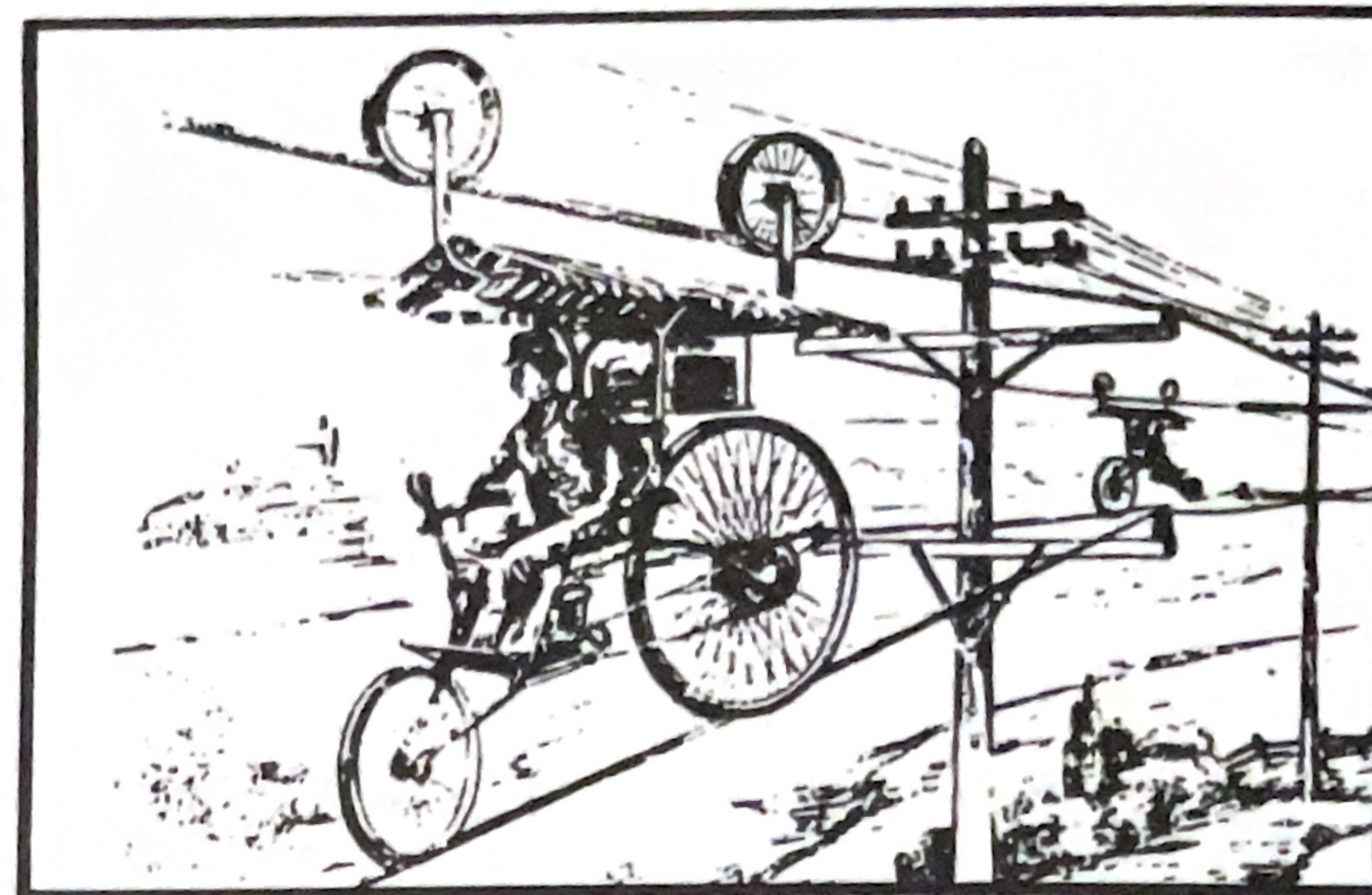
□ The Air-Rail is the first suspended monorail that is truly All-American. Air-Rail systems are designed, engineered and constructed in America.

□ You are invited to write us for further information concerning the adaptation of an Air-Rail to your business area or community.

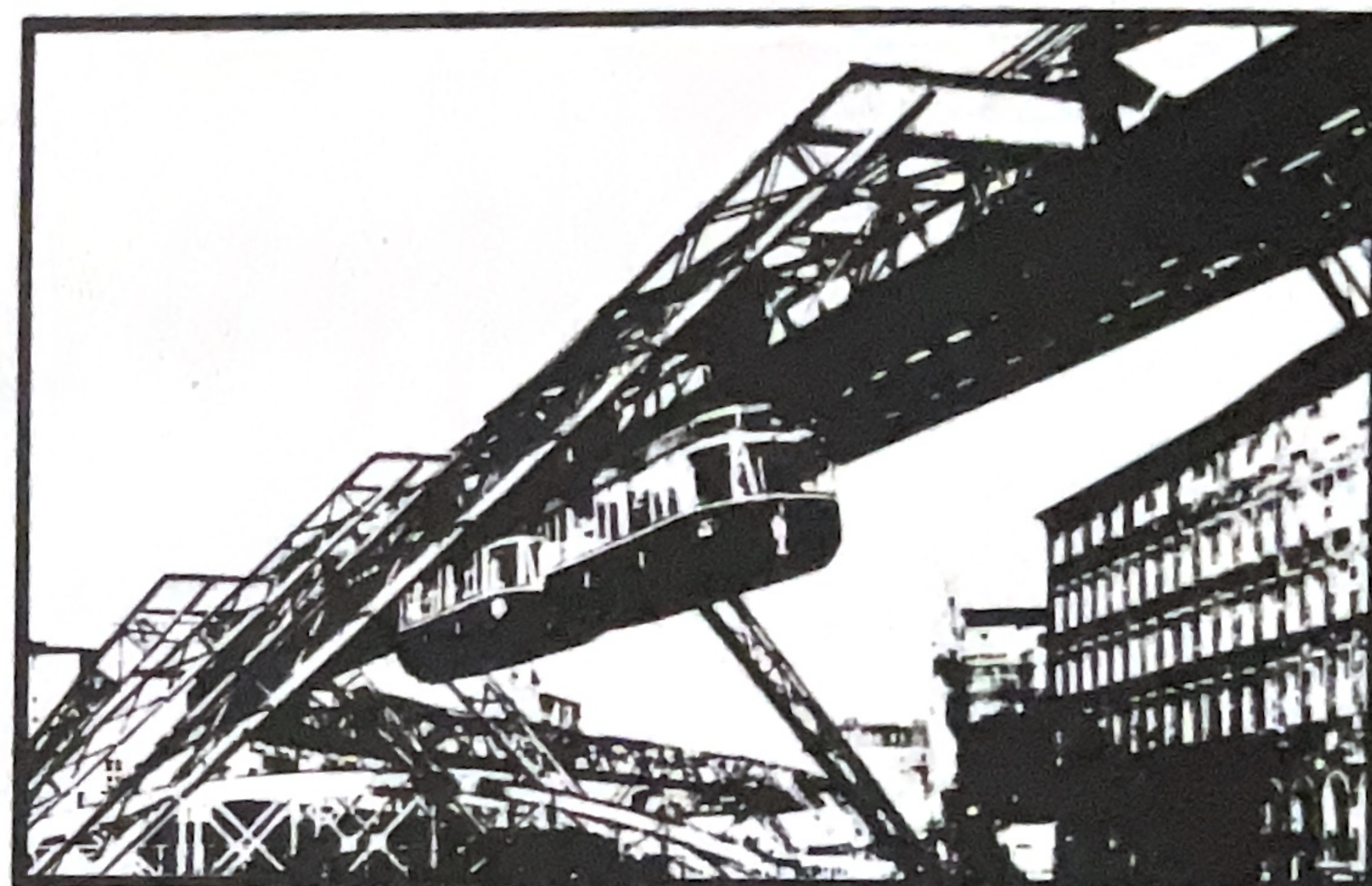
Thank you for your reading time,



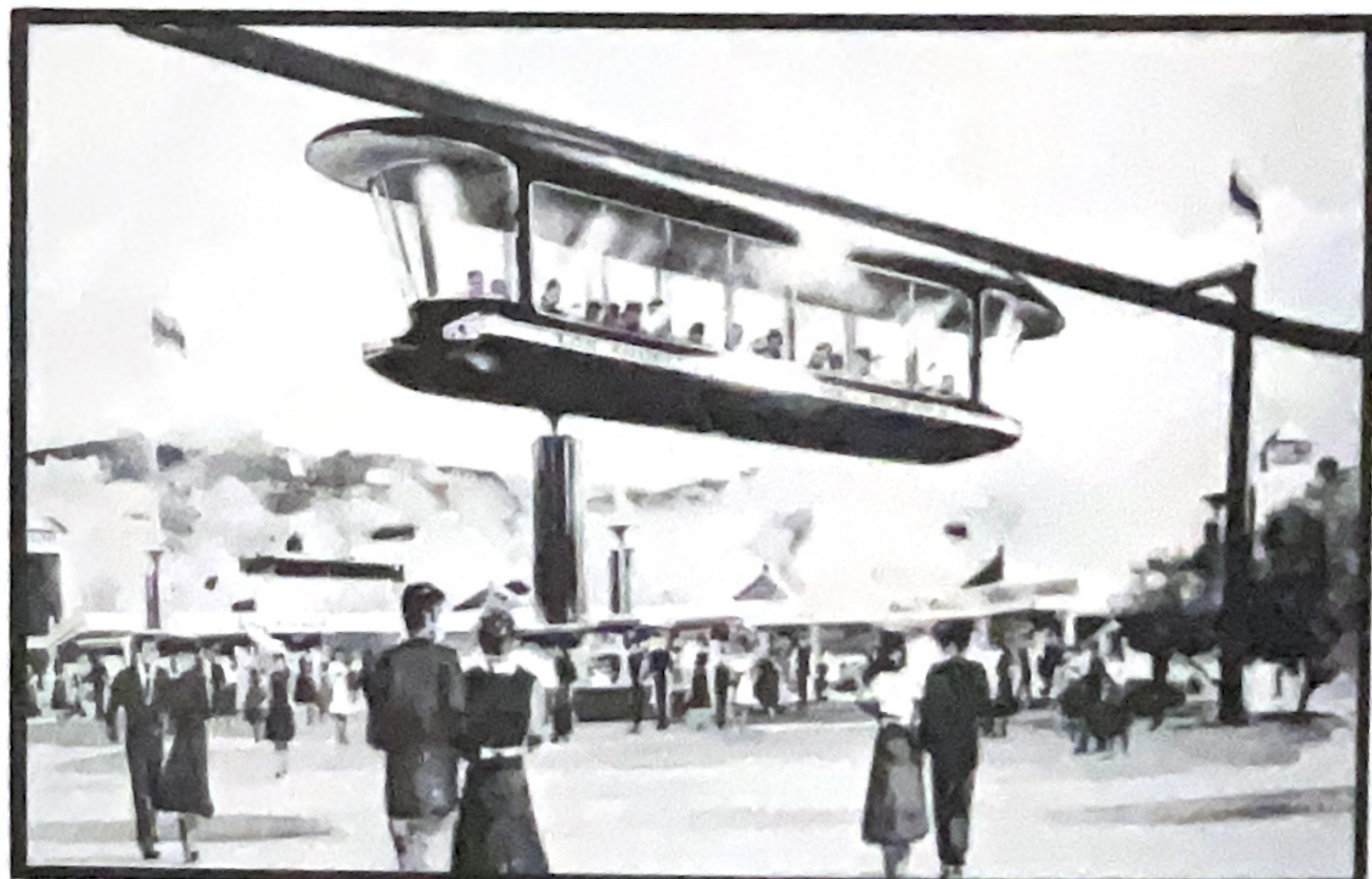
A. B. (Pete) Miller
Executive Vice-President
American Crane and Hoist Corp.



AN EARLY AIR-RAIL?



THE WUPPERTAL



AN AIR-RAIL



. . introduced the
first **Air-Rail**

□ Nestled high in the San Bernardino Mountains near Lake Arrowhead is the famous and unique amusement center . . . Santa's Village.

□ American Crane and Hoist designed their first passenger-carrying Air-Rail as both an amusement and scenic ride unit through Skyforest and created the monorail cars in the form of bees to compliment the fairyland theme.

□ The words of H. Glenn Holland, president of Santa's Village best describes the success of the Air-Rail unit:

" . . . Public acceptance has been excellent . . . The entire amusement industry has shown marked interest in the system . . . We are particularly pleased with the system, it eliminates possibility of collision and cuts cost of operation as individual operators are not required for each car . . . We will be most happy to recommend American Crane & Hoist Corp. to anyone considering a similar system."



and . .

LOS ANGELES COUNTY FAIR "the world's largest" introduced the nation's first major suspended monorail, an **Air-Rail**

□ Superlatives, perhaps, have been over-used in Southern California, however, when it comes to the Los Angeles County Fair facts speak for themselves. The exposition, located at Pomona, Calif., is the largest in the nation, surpassing all state exhibits, save one. Attendance during recent years has continually surpassed one million; the grounds and display structures are valued in excess of \$25 million; the 450 acre site includes parking for 40,000 vehicles and operational costs exceed \$148,000 daily for the 17-day event.

□ American Crane and Hoist designed their "second phase" monorail unit in 1962 for this striking American exhibit. The one-mile system amply covers the center of activities of the fair, with fourteen cars operating over the route carrying 24 passengers each.

□ Over five miles of safety conductor bars were included in the one mile route. The safety block system automatically maintains proper spacing between cars, thus assuring safety for passengers.

□ The system was installed at an amount far below other monorail proposals because of the adaptability of the suspended system. A 50c fare is charged, and with annual attendance well over the million mark, exposition officials foresee the entire investment retired within two to four seasons remembering that each season is limited to 15-17 days!

□ Twenty foot long interiors with form-fitting "back-to-back" seating permits all passengers an unobstructed view.

□ The unit was designed as both a "scenic" and "on-site" monorail and was purposely held to a low speed for better observation of the grounds and attractions by the passengers. Although American Crane and Hoist was the prime contractor, other great names were enlisted to complete the \$600,000 system in its record 3½ month construction. They were General Tire & Rubber Company, Reuland Electric Company, Insul-8-Corp., Kaiser Steel Corporation, Chemrock Corporation and Standard Carriage Works, Inc.

□ Phil D. Shepherd, Secretary-Manager of the Los Angeles County Fair Association, has summed up the suspended monorail as ".....the Los Angeles County Fair's monorail system we feel is an important and progressive step in California's history."

next . . .



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Air - Rail

introduces

□ On the preceding pages you have learned of two phases of Air-Rail passenger monorails designed and constructed by American Crane & Hoist and in operation in California.

□ Engineers have now completed designs of third and fourth phases of monorails that are concerned with today's mounting problem - that of public rapid transit.

□ American Crane's "third phase" or "shuttle system" is particularly designed for:

- * Congested business districts
- * Airports
- * Suburban Communities
- * Large campuses or military bases
- * Industrial complexes
- * Shopping Centers



□ Once again the versatility of the "suspended" monorail design is proved - where downtown traffic and sharp curves would preclude establishment of other monorails, the Air-Rail System is readily adaptable.

□ For obvious reasons, the suspended monorail can negotiate turns in short space and the American Crane unit is well stabilized for passenger safety and comfort.

□ Loading and unloading platforms are designed to be incorporated with existing facilities.

□ The high-strength support beams are narrow and do not interfere with motor or pedestrian traffic . . . nor with general visibility.

□ The American Crane "shuttle" Air-Rail System is entirely automatic and requires no attendant in passenger cars.

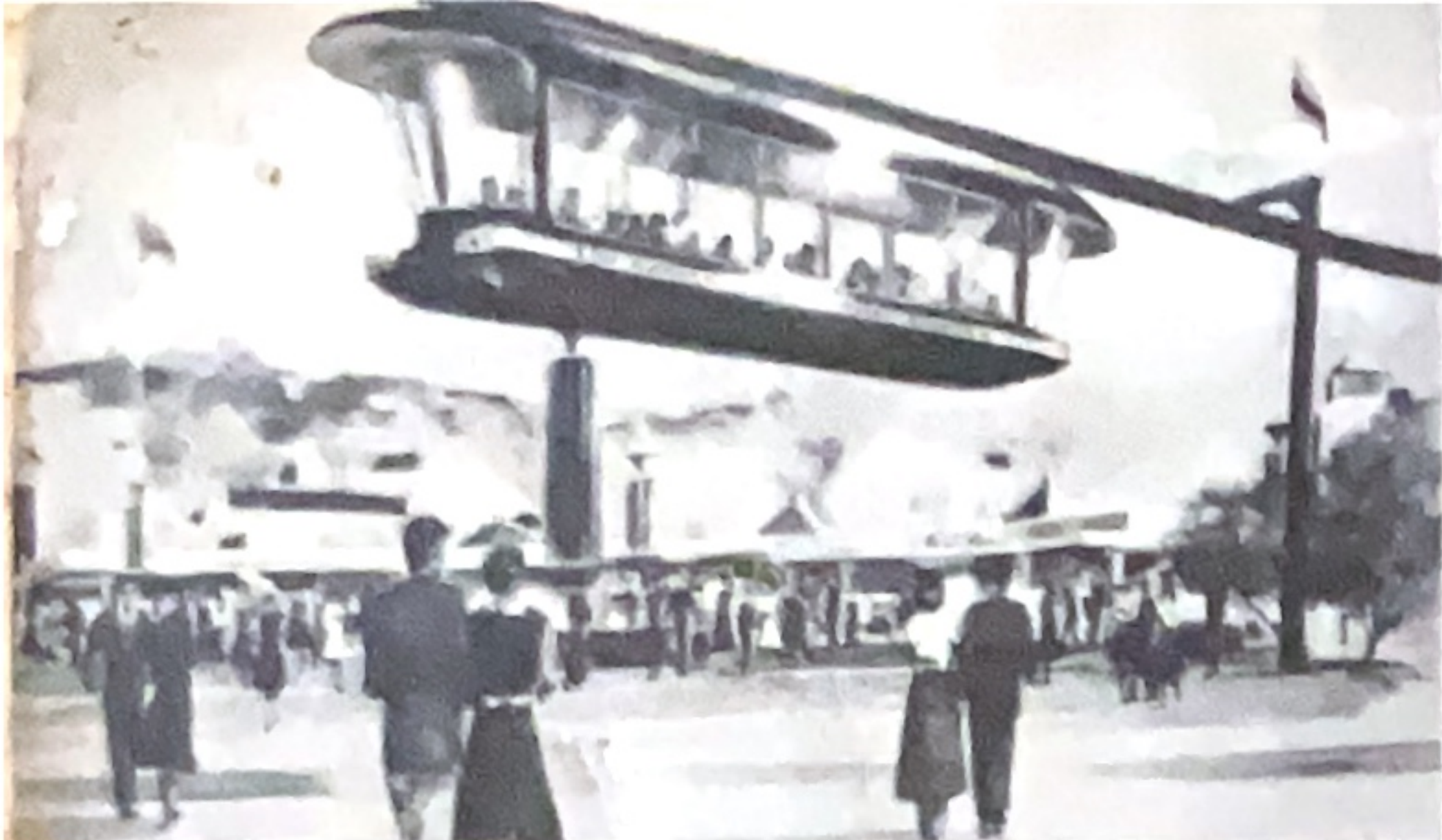


□ A series of interlocking safeguards assure the safety of passenger and maintenance personnel.

□ Each and every system, whether amusement ride, scenic ride or rapid transit system, is individually engineered with consideration to design, appearance, capacity, and other factors for the particular type and application.

□ True to its name, Air-Rail offers: air conditioning and air comfort.

□ Commuters will enjoy the most contemporary designs and seating facilities (which many airlines can envy) and experience a truly air cushion ride as its suspension prevents vibration, noise, sudden acceleration and deceleration jolts and other irritants associated with other forms of surface rail transportation.



Air-Rail SYSTEMS

a division of
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DON'T FORGET . . .

The same leadership that has designed and erected the Air-Rail has long been established as designers, manufacturers and erectors of overhead electric cranes and industrial monorails!