

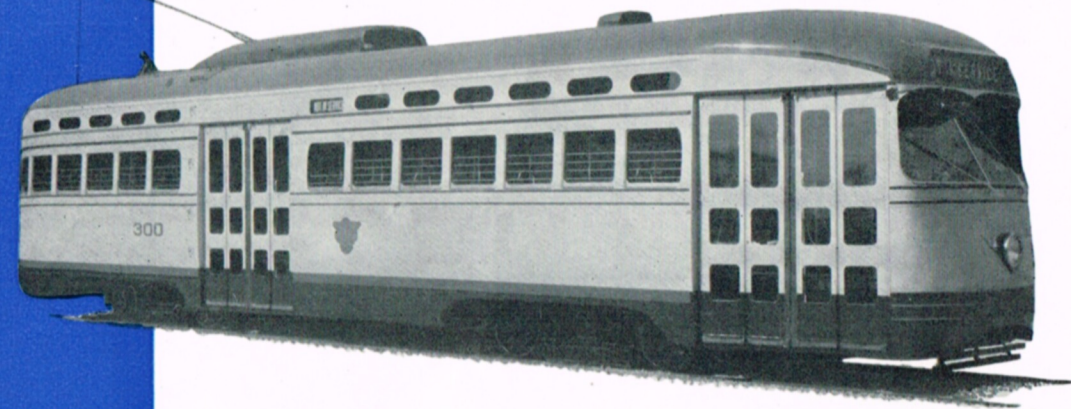
*Solid
riding
Comfort*

Australian Electric
Traction Association.

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NEW STREAMLINER



In 1929 the Presidents of the nation's leading street railway companies, realizing that the street car as then constructed was no longer adequate for the swift and comfortable transportation of large numbers of people, organized the Presidents' Conference Committee to design a modern car. The P.C.C. Car, named for its originators, is the result.

TRANSIT RESEARCH CORPORATION

292 MADISON AVENUE

NEW YORK 17, N. Y.

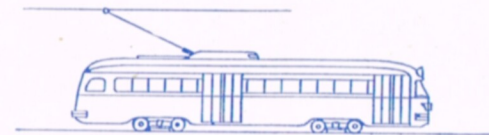
The Story of the Super *STREAMLINER*

The new streamlined trolley of today is no more like the old trolley cars than the QUEEN ELIZABETH is like Columbus' SANTA MARIA. Ever since the first P.C.C. was delivered in 1936, it has been popularly acclaimed wherever used. Now, more than four million people every day ride the streamliner way in P.C.C. cars, and millions more in other cities will soon be introduced to this new and better riding experience.

The P.C.C. car—the super-streamlined trol-

ley car—is the transit industry's answer to the public demand for swift, safe, comfortable transportation. Developed and improved over a period of almost twenty years, and at a cost of more than a million and a half dollars in research alone, the trolley car of today represents the ultimate in engineering and design. It is writing a new chapter in the efficient movement of people.

Exhaustive tests were made to determine the maximum starting and stopping rates which a person can comfortably withstand.



Conducted with the cooperation of Purdue University and the University of Michigan, these tests pointed the way to the building of a street car that can keep the pace of modern street traffic. Despite the quick starting and stopping of the car, the ride is smooth and free of vibration because of vast improvements in the electrical controls and extensive use of rubber in the trucks.

But the superior riding qualities, giving extreme smoothness, the fast acceleration and braking, greater speeds, and the modern design of this marvel of present day transportation, were not achieved in a short time.

A corps of engineers, draftsmen and designers, headed by Dr. C. F. Hirshfeld, an internationally famous engineer, labored seven years before they felt that their new car was worthy of acceptance. Hundreds of later craftsmen have checked and improved every feature, until today the P.C.C. car is a triumph of engineering achievement. The countless man-hours of research and experimentation, and the untold wealth of engineering knowledge and initiative which have gone into its development, have made real the dreams of men who were determined to bring forth the ideal vehicle for the cities of today and tomorrow.



P.C.C. CAR GIVES A SMOOTH QUIET RIDE

Passengers marvel at the smooth quiet ride. This has been achieved through the use of springs largely composed of rubber, and wheels with rubber cushions. The quietness of operation is also observed by the people on the street and in the homes and other buildings along the route. Multi-notch electric control—100 graduations on the controller instead of the old time 8—allows smooth and fast acceleration and dynamic braking. For additional braking, there are four electromagnetic brakes each of which is drawn against the rails with a force of 12,000 lbs. pressure. There is no unpleasant jolting, sway or floor vibration in the P.C.C. car.



No Jolting, Sway or Floor Vibration

SAFETY STEPS & DOORS PROTECT RIDERS

Low steps, adequately illuminated and treaded with special non-slip material insure easy boarding and alighting for both grownups and children. The double doors at front and in the center of the car facilitate the flow of passengers. An ingenious arrangement of mirrors, using a convex mirror on the center door, places these doors in the operator's main line of vision. These additional features help to make the P.C.C. car the ultimate in safety.

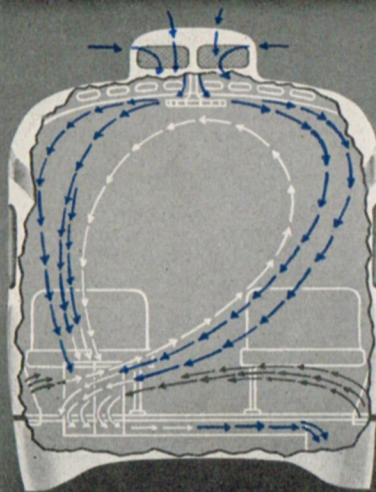
Natural Steps

GLARELESS ILLUMINATION FEATURED

Illumination in the P.C.C. car brings home-reading comfort to the rider. A high intensity of light at reading level is cast by specially designed lights without objectionable glare, and is evenly distributed throughout the car. When doors open, the ground adjacent receives illumination from the car lighting, reducing contrast and providing additional safety for passengers alighting at night. On the exterior, automobile type headlights and braking lights are used, with dash lights to illuminate the front of the car.

Reading Comfort





COOL
AIR **BLUE**
WARM
AIR **BLACK**
CIRCULATORY
AIR **WHITE**

HEATING AND VENTILATION

A continuous flow of fresh air assures ample ventilation. The heating in the P.C.C. car is a tremendous improvement over that in previous types of street cars. Fresh air, drawn in through the roof, is heated by passing over the electrical controls and is then carried to all parts of the car. For greater comfort during summer months, it is now possible to introduce large quantities of fresh air into the car by means of fans. This improves the ventilation and cools the passengers. It is an example of the constant research conducted to make the P.C.C. car as comfortable as possible. Improved thermostatic controls assure uniform temperature at all times.

UNIFORM TEMPERATURE

WINDOW COMFORT IS ASSURED

Windows in P.C.C. cars are of the easy-opening, non-jam type, and provide maximum visibility for the rider. Other windows at the standing eye-level height give unobstructed vision for added convenience in identifying stops. The stainless steel window casings blend with the ultra modern appearance of the interior of this attractive vehicle. One of the latest improvements has been the arrangement of windows so that there is a full window for every seat. Their height has been designed to reduce the amount of direct sun rays on the passenger.



MAXIMUM VISIBILITY



RELAXED SEAT COMFORT

Streamlined seats with relaxed position backs and deep, soft, form fitting cushions replace the once uneasy street car seats of cane or wood. P.C.C. seats are of tubular construction and tailored to the figure to give maximum comfort. Great care was taken to provide ample knee room. Foot rests also have been introduced. In the latest cars plastic arm rests are being built beside the seats, under the windows. The comfortably inclined luxury of P.C.C.'s cushions gives maximum relaxation in both the single and double seating arrangement.

FORM FITTING CUSHIONS

WIDE AISLES FEATURE P.C.C. CARS

The P.C.C. car is a wide vehicle, providing ample room for the standing and moving, as well as the seated passenger. The aisle is clear of obstructions and the floor is level throughout. Shaped stanchions of stainless steel and strong hand rails assist the passenger. A specially designed non-slip flooring gives comfort and safety.

The smooth passage of the car over the tracks results in a more comfortable ride for the passenger, and reduces track wear, giving longer life to the rails, and requiring lower replacement costs.

CLEAR OF OBSTRUCTIONS





Pittsburgh's fleet of 566 Streamline Trolleys is being increased to 666. 100 new, all-electric streamliners with standee windows, four powerful ventilating fans, and other new features, will soon be delivered.

Cities served by Streamline Trolleys

BALTIMORE
BIRMINGHAM
BOSTON
BROOKLYN
CHICAGO
CINCINNATI

CLEVELAND
DALLAS
DETROIT
JOHNSTOWN
KANSAS CITY
LOS ANGELES

MINNEAPOLIS
MONTREAL
PHILADELPHIA
PITTSBURGH
SAINT LOUIS
SAINT PAUL

SAN DIEGO
SAN FRANCISCO
SHAKER HEIGHTS
TORONTO
VANCOUVER, CANADA
WASHINGTON, D. C.