

# STUDEBAKER CORPORATION CAR SETS NEW WORLD SPEED MARKS

## On August 14, an Avanti Shattered 29 National Stock Car Records on the Bonneville Salt Flats Within 12 Hours

As part of Studebaker Corporation's safety study on its new caliper-type disc brakes, steering and suspension system, a stock Avanti smashed 29 world's speed records.

Andy Granatelli, President of the Paxton Products Division of Studebaker Corporation drove the record breaking car over the Bonneville Salt Flats. Paxton manufactures the supercharger used on the Avanti.

Let us quote Mr. Granatelli, "These speeds are intended to prove that the Avanti is not only the world's fastest production automobile but also the world's safest automobile. It was possible for me to drive the Avanti in practice at speeds over 150 miles per hour with my hands removed from the steering wheel. This proves the fabulous roadability and safety features built into the Avanti."

Furthermore, Mr. Granatelli conducted braking tests that prove the Avanti's caliper-type disc brakes have remarkable stopping power. For example, they stop the Avanti from 100 miles per hour in 150 feet less distance than conventional brakes.

Following are the new Avanti speed records:

<b>American Class C</b> (183 to 305 cu. in.)		<b>Unlimited American Stock Cars</b> (No Displacement limit)	
<i>Flying Start</i>		<i>Flying Start</i>	
1 kilo	168.24 mph	1 kilo	168.24 mph
1 mile	168.15	1 mile	168.15
5 kilo	167.86	5 kilo	167.86
5 mile	167.82	5 mile	167.82
10 kilo	167.40	10 kilo	167.40
10 mile	163.90	10 mile	163.90
<i>Standing Start</i>		<i>Standing Start</i>	
1 mile	92.03 mph	5 kilo	126.31 mph
5 kilo	126.31	5 mile	139.69
5 mile	139.69	10 kilo	142.80
10 kilo	142.80	10 mile	151.66
10 mile	151.66		
<b>National Class C</b> (183 to 305 cu. in.)		<b>National Class Unlimited</b> (No Displacement limit)	
<i>Standing Start</i>		<i>Standing Start</i>	
5 kilo	126.31 mph	5 kilo	126.31 mph
5 mile	139.69	5 mile	139.69
10 kilo	142.80	10 kilo	142.80
10 mile	151.66	10 mile	151.66

TOTAL RECORDS ESTABLISHED . . . . . 29

All 29 records are the average speeds of a 2-way run, and are not the top speeds attained. As an example, the average speed for the 20 miles (2-way standing start 10 mile runs) was 151.66 mph, but the top speed was 178.5 mph during the last several miles of this run.

Important Note: These runs were made at 4,200 feet above sea level. Air temperature was 120°F. Furthermore, salt flats offer less traction to tires than an asphalt road. Under more ideal conditions (cooler air, sea level, asphalt surface) the Avanti's performance would be about 20% better.

*Both speed and braking tests were sanctioned and certified by the United States Automobile Club, official U.S.A. representative for the Federation Internationale de l'Automobile, the world governing body for all international records and competitions.*

FROM THE ADVANCED THINKING OF

**Studebaker**  
CORPORATION

