

RACING AUTOISTS TO BE DIRECTED BY RADIO 'PHONE

Arthur Chevrolet Plans In- novation for Assistance of Frontenac Team.

Radio direction of racing cars in the 500-mile event at the Speedway on Memorial day, the first adaption of the wireless telephone to the motor-racing game, will be an innovation by the Frontenac team. Announcement of arrangements for the installation of radio equipment through which the racers will receive instructions from the pits was made yesterday by Arthur Chevrolet, who is assisting his brother, Louis Chevrolet, in the management of the Frontenac team.

Instructions and information regarding the progress of the race will be telephoned from the pits to the station of the Hatfield Electric station on North Meridian street, more than two miles away, from which they will be returned by radio to the track to be picked up by the racers.

Harrison Durant of the Hatfield company, which is to equip the cars with telephones, declared special apparatus has been designed for installation immediately after permission is obtained from the government.

Louis Chevrolet, who proposed the equipment, explained that drivers often misunderstand manual signals which are given them as they whirl past the pits.

He believed it would greatly enhance the chance of his team to win if he could be in constant communication with each driver throughout the race.

Mr. Durant said the aerial on each car will be stretched between the driver's seat and the rear point of the body. The antenna will extend about an inch above the surface of the rear section of the body to avoid wind pressure. A small receiving set will be installed in the body and electrical energy will be derived from the storage battery which the race car carries for ignition purposes. The entire apparatus will weigh less than fifty pounds, Mr. Durant said.

The apparatus will be similar to that employed in military planes during the war, so designed as to centralize the noise from the motor and the vibration. The mechanic in each car will wear a telephone headset by which he will receive messages for the guidance of his driver.

Permission from the government is necessary before information may be transmitted from the sending station to an individual.