

1933

LOUIS MEYER, WITH MECHANIC LAWSON HARRIS OF INDIANAPOLIS, WON HIS second 500 and set a speed record of 104.162 mph, slightly faster than Fred Frame the year before. Second place went to Wilbur Shaw.

It was a tough year as five men died in accidents at the track. Driver Bill Denver (aka Bill Orem) and his mechanic, Hugh "Bob" Hurst, died during qualifications. During the race, drivers Mark Billman and Lester Spangler died in separate accidents. Spangler's mechanic, G.L. "Monk" Jordan, was also killed. Hurst and Billman were Indianapolis residents and Jordan was from Lafayette.

Chet Gardner's crew introduced an innovative bit of technology — a two-way radio in his car, enabling mechanic Herschell McKee to communicate with the pit crew. They came in fourth.



Two-Way Radio Between Car and Pits Proves Worth in First Speedway Test

Today
Description Due to Chet Gardner
Gold Standard Also Gets
Speedway Pacesetter
By Arthur Schlesinger

Radio was brought into new play yesterday when two-way communication was maintained for 360 miles between a race car traveling more than a hundred miles an hour and the pits at the Indianapolis Motor Speedway.

Lester Gardner, driver of the Samson Radio Special which placed fourth, had a short wave transmitter and receiving set installed in the racer and was in touch with his pit crew like apparatus was installed.

Through the use of the two-way communication, pit workers were informed when the racer would stop at the pits and knew ahead of time

the nature of the trouble that the driver was encountering. Likewise instructions by Alden Sampson, owner of the car, were transmitted to Gardner without the use of the old blackboard method, and eliminated unnecessary stops at the pit. Conditions on the track and cars involved in accidents were broadcast to the pit ahead of the official word.

Riding Mechanic at Microphone.
Gardner did not operate the receiver and transmitter in the car but left this duty to his riding mechanic, Herschell McKee, L. J. Kneecap of VanNuys, Cal., was technician in charge of the operations.

Installation of high frequency transmitter and receiver in a race car traveling at high speed presented many problems and the entire apparatus was set in rubber to withstand the constant vibration. Both the sending and receiving sets were mounted the tall of the car. McKee wore an aviation radio helmet which had the headphones built in. A small hand microphone was hung to the dash of the car, unlike the usual antenna associated with receiving sets, the one on the Samson Special consisted of a small brass rod mounted on brackets along the left side of the frame of the car.

TRADE NEWS: In view of the new Harry Oppenheimer, C. E. Moore, president of the Indianapolis Motor Speedway, has been appointed to the board of directors of the Indiana State Chamber of Commerce.

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THE INDIANAPOLIS STAR. GREATEST MORNING AND SUNDAY CIRCULATION IN INDIANA. WEDNESDAY MORNING, MAY 30, 1933.

MEYER WINS 500-MILE RACE; BREAKS MARK EXTRA

3 Die in Flames of Auto Wreck

LOCAL MAN, BOY, WOMAN VICTIMS;
4 OTHERS HURT

WINNER AND 3 VICTIMS OF FATAL ACCIDENTS.

3 LIVES CLAIMED BY SPECTACULAR CRASHES ON OVAL

Local, California, Drivers
California Drivers Killed
—Driver Told Hurt to Five.

California Veteran Drivers at Monroeville Collision

Pace to Set New Record at 104.162 M. P. H.—Never Below Fifth at 50-Mile Pace—Wilbur Shaw Second; 3 Laps Behind—Series of Serious Accidents Shows Care at Intervals—Deathbed Message Strong—Rocky Puts Money Third.

SENSATIONAL DASH TO FINISH

(Top) Photo of Survivors of 42 Racers Finished.

(Bottom) Photo of Survivors of 42 Racers Finished.

How Survivors of 42 Racers Finished.

Survivors and Capt.

1. M. P. H. - 104.162

2. W. H. - 103.200

3. W. H. - 102.800

4. W. H. - 102.600

5. W. H. - 102.400

6. W. H. - 102.200

7. W. H. - 102.000

8. W. H. - 101.800

9. W. H. - 101.600

10. W. H. - 101.400

11. W. H. - 101.200

12. W. H. - 101.000

13. W. H. - 100.800

14. W. H. - 100.600

15. W. H. - 100.400

16. W. H. - 100.200

17. W. H. - 100.000

18. W. H. - 99.800

19. W. H. - 99.600

20. W. H. - 99.400

21. W. H. - 99.200

22. W. H. - 99.000

23. W. H. - 98.800

24. W. H. - 98.600

25. W. H. - 98.400

26. W. H. - 98.200

27. W. H. - 98.000

28. W. H. - 97.800

29. W. H. - 97.600

30. W. H. - 97.400

31. W. H. - 97.200

32. W. H. - 97.000

33. W. H. - 96.800

34. W. H. - 96.600

35. W. H. - 96.400

36. W. H. - 96.200

37. W. H. - 96.000

38. W. H. - 95.800

39. W. H. - 95.600

40. W. H. - 95.400

41. W. H. - 95.200

42. W. H. - 95.000

43. W. H. - 94.800

44. W. H. - 94.600

45. W. H. - 94.400

46. W. H. - 94.200

47. W. H. - 94.000

48. W. H. - 93.800

49. W. H. - 93.600

50. W. H. - 93.400

51. W. H. - 93.200

52. W. H. - 93.000

53. W. H. - 92.800

54. W. H. - 92.600

55. W. H. - 92.400

56. W. H. - 92.200

57. W. H. - 92.000

58. W. H. - 91.800