Cunningham played center on the basketball team at Elkhart high school and fullback on the football team, in addition to running on the track team. His college coaches say that Glenn could have been a star in any sport, but he dropped all other sports once he reached college, to concentrate on running.

Glenn entered the University of Kansas in the fall of 1930 and was out of competition that year, due to being a freshman. In the fall of 1931 he was a member of the Kansas two mile team and at the end of the season received a medal as the outstanding two miler in the Big Six Conference.

The following spring Cunningham won from all of his Big Six opponents, frequently running the half-mile, mile and two mile all in the same meet. In July of that year he won the National Collegiate championship in the record time of 4:11.1. His next race that summer was in the final Olympic team tryouts and he finished second to win a place on the American Olympic team.

In the 1932 Olympics Glenn, a sophomore, was the first American to finish in the 1500 meter run. He was fourth, but had turned in a great performance.

Glenn's coach these first two years at K.U. had been Brutus
Hamilton, one of the country's outstanding track mentors. Hamilton
after the Olympics, resigned his position at Kansas, however, to
take a place as head track coach at the University of California,
where he is situated now.

Hamilton was followed by H.W. "Bill" Hargiss as track coach at Kandas. Hargiss has coached many stars of the track world and