

RESEARCH QUARTERLY

Bowling Congress champions. The dash line in Figure 11 sets forth analogous data for 90 women champions. The women's age curve rises and descends five years earlier than does the curve for the men. The peak for the men's curve occurs at ages 30 to 34 inclusive, the apogee for the women's curve occurs at ages 25 to 29 inclusive. Of interest in this connection is the fact that, when a fecundity age curve was plotted for women, its highest point occurred five years earlier than did the highest point of the age curve for male fecundity (see Figure 10).

PROFESSIONAL BILLIARDISTS

In the July, 1934, issue of the *Billiards Magazine* is a list of the birth dates of more than 100 noted billiardists.⁸ Supplementary lists have been published subsequently in the same magazine. Menke's *All Sports Record Book* for 1935 gives the years during which various billiardists were champions and also the years during which various professional world billiard records were broken.² In studying the billiardists, as in studying the other performers that are mentioned herein, one credit was assigned to a given age group if a billiardist of that particular age group broke a world record. If the same individual broke world records at several different age levels, one credit was allotted to each appropriate group. If a given player broke three world records during a single year, three credits were allotted to his age group.

In Figure 12 the dash line reveals the chronological ages at which

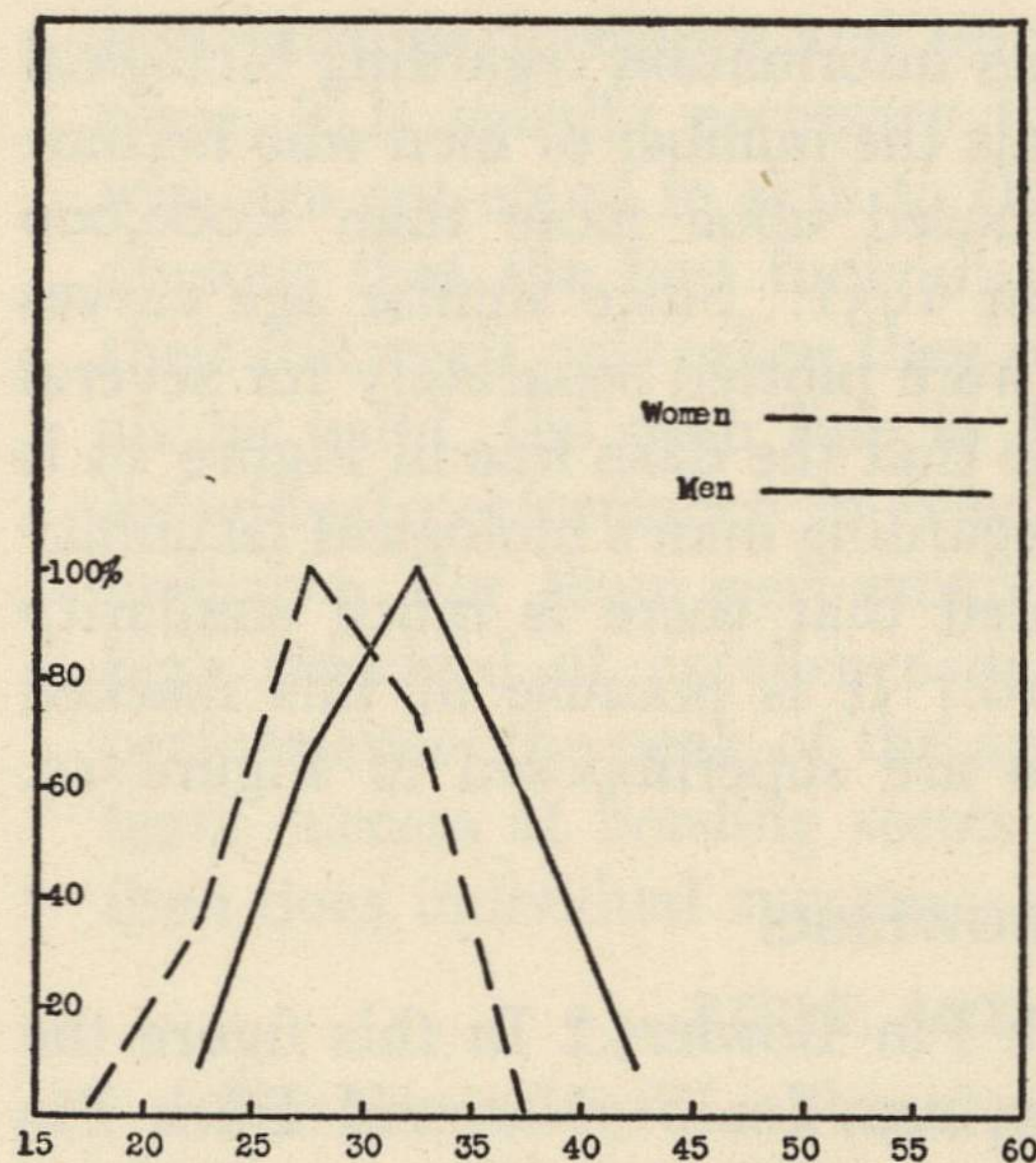


FIGURE 11. Ages at which National Duck Pin Bowling Championships were won or retained. A, women bowlers; B, men bowlers.

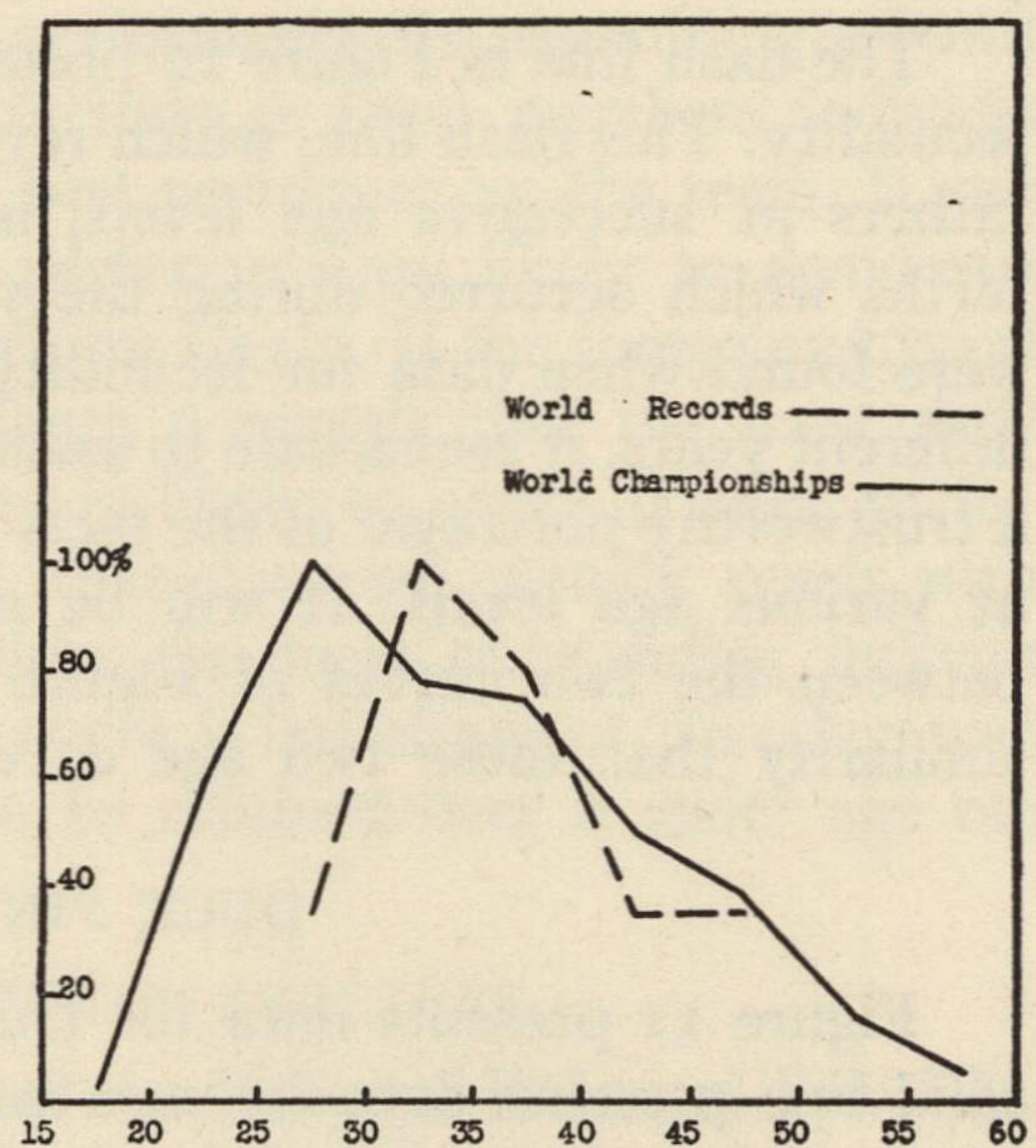


FIGURE 12. A, chronological ages at which 136 professional world championships at billiards were won or retained; B, ages at which 42 world records were established.