

- Most field goals 1 forward 1 game - 13 by George Hess (IS) vs Stanford, 1951
 13 by Sherman Norton (O) vs Stanford, 1951
- Most field goals 1 center 1 game - 15 by Maynard Johnson (Minn) vs Colorado, 1950
- Most field goals 1 guard 1 game - 13 by Lester Lane (O) vs Colorado, 1954
- Most field goals 1 forward 3 games - 25 by Jesse Prisock (KS), 1953
- Most field goals 1 center 3 games - 37 by Clyde Lovellette (K), 1950
- Most field goals 1 guard 3 games - 28 by Jim Buchanan (N), 1951
- Most field goals 1 forward all meets-- 49 by Jesse Prisock (KS)
- Most field goals 1 center all meets - 93 by Clyde Lovellette (K)
- Most field goals 1 guard all meets - 64 by Lester Lane (O)
- Most field throws 1 forward 1 game - 13 by Sherman Norton (O) vs Stanford, 1951
- Most free throws 1 center 1 game - 14 by Dick Knostman (KS) vs Kansas, 1952
 14 by Bill Brainard (K) vs Oklahoma, 1953
- Most free throws 1 guard 1 game - 10 by Medford Park (M) vs Kansas, 1952
 10 by Medford Park (M) vs Iowa State, 1953
- Most free throws 1 forward 3 games - 29 by Medford Park (M), 1954
- Most free throws 1 center 3 games-- 28 by Delmar Diercks (IS), 1952
- Most free throws 1 guard 3 games - 18 by Medford Park (M), 1952
 18 by Lester Lane (O), 1953
 18 by Gary Thompson (IS), 1954
- Most free throws 1 forward all meets - 64 by Medford Park (M)
- Most free throws 1 center all meets - 53 by Burdette Haldorson (C)
- Most free throws 1 guard all meets - 46 by Lester Lane (O)
- Most free throws missed 1 forward 1 game - 7 by Willard Fagler (N) vs Iowa State, 1952
 - 7 by Chuck Duncan (IS) vs Nebraska, 1952
- Most free throws missed 1 center 1 game - 8 by Clarence Brannum (KS) vs Oklahoma, 1949
- Most free throws missed 1 guard 1 game - 8 by Sam Morrison (C) vs Kansas, 1953.
- Most free throws missed 1 forward 3 games - 10 by Spencer Schnaiter (Yale), 1952
 10 by Harold Patterson (K), 1952
 10 by Gary Bergren (KS), 1952
 10 by Don Weber (N), 1953
 10 by Stan Frahm (IS), 1954
- Most free throws missed 1 center 3 games-- 14 by Bob McKeen (Cal.), 1954
- Most free throws missed 1 guard 3 games - 12 by Norman Stewart (M), 1954
- Most free throws missed 1 forward all meets - 21 by Medford Park (M)
- Most free throws missed 1 center all meets - 29 by Chuck Duncan (IS)
- Most free throws missed 1 guard all meets - 28 by Lester Lane (O)
- Most personal fouls 1 forward 3 games - 14 by John Gibson (KS), 1950
 14 by Spencer Schnaiter (Yale), 1952

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