

5. Team efficiency, $\frac{\text{team positive evaluation points}}{\text{team positive plus negative evaluation points}}$
6. Player efficiency, $\frac{\text{player's positive evaluation points}}{\text{player's positive plus negative eval. points}}$
7. Scoring ability index, number of goals times percent of goals made plus one-half (free throws times per cent of free throws made).
8. Ball handling error rate, $\frac{\text{ball handling errors}}{\text{good catches plus good passes plus ball handling errors}}$

Team Analysis

By using the technique outlined, data were collected on the Kansas team during nine home games and on the opponents during the last three home games. From this material comparisons were made on the Kansas team using the averages for the four non-conference games and for the five conference games. In the last three home games, the Kansas team was compared with its opponents. Different styles of basketball would undoubtedly yield a different average for the number of shots, passes, etc. The frequency of these occurrences are listed as follows:

TABLE I.

Nine Game Averages

1. Score: 42.7 points
2. Goals: attempted 61.5; made 16.5 %26.9
3. Free throws: attempted 16; made 9.56; %59.7
4. Personal fouls: 10.2
5. Offensive personal fouls: .78
6. Violations: 3.7
7. Rebounds from own backboard: 21.3
8. Rebounds from opponent's backboard: 22.3
9. Passes and good catches: 361.3 passes; 345 catches
10. Wild passes: total 7.57; out of bounds, 2.67; to opponents, 4.9
11. Held balls: obtained by opponents, 3.1
12. Fumbles: total 6.1; out of bounds 3.1; to opponents 3
13. Tapped ball: out of bounds 1.3
14. Jump ball: tapped and recovered own jump ball .22
15. Jump ball: recovers teammate's jump ball 10.8
16. Assists: total 24; immediate 13; secondary 11
17. Evaluation points: 1103.0 - 73.2 = 1029.8 points per game
18. Evaluation points per player per minute of play: 5.14 points
19. Evaluation points per score: 24.1 points
20. Team efficiency: 55.8%