

1977 SAGUARO RACE AGREEMENT

This document outlines the terms of the agreement between the team of Philip N. Slater and James C. Wyant, hereinafter referred to as the Challengers, and a relay team captained by Jack D. Gaskill, the membership of which shall be named by the team captain prior to the 1977 Saguaro Race and hereinafter referred to as the Challengees, regarding the acceptance by the Challengees of the Number Two Challenge issued by the Challengers. This challenge involves a contest between the Challengers and any multi-man Optical Sciences Center Faculty relay team, which is to be a foot race around the 8.3-mile loop drive at Saguaro National Monument (East) starting at 7:00 A.M., Saturday, 1 October 1977. The details of the agreement, which, when signed by the Challengers and the team captain of the Challengees, shall become legally binding, are as follows:

1. The Challenger's team members shall each run the entire 8.3-mile loop drive course, and the individual times required for them to complete the entire course shall be recorded separately and denoted by T_1 and T_2 . The Challenger's Team Time, hereinafter referred to as the Challenger's Time and denoted by T , shall be the sum of the Challenger's individual times divided by 2, i.e.,

$$T = \frac{1}{2} \sum_{k=1}^2 T_k.$$

2. The Challengee's relay team shall consist of N members, where N is a natural number lying between 3 and 10, inclusive, and these members must be faculty of the University of Arizona with appointments in Optical Sciences as the date of the Saguaro Race, 1 October 1977. For the purpose of dividing the 8.3-mile loop course into separate legs, the i -th leg shall be denoted by L_i ($i = 1, 2, \dots, N$), where

$$\sum_{i=1}^N L_i = 8.3 \text{ miles.}$$

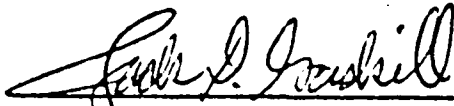
Any leg L_i of the 8.3-mile loop course shall have a minimum length of 0.25 miles and a maximum length of 4 miles, inclusive (i.e., $0.25 \text{ miles} \leq L_i \leq 4.0 \text{ miles}$). Each member of the Challengee's relay team shall run one, and only one, leg of the race as a team participant. To clarify this point, team members may run more than one leg (or even the entire loop course, if they are stupid enough), and may take part in other challenges or contests, but regarding the present agreement, they may run only one leg as a team member, i.e., the L_i shall be run by mutually exclusive individuals. The time required for the i -th individual to complete the i -th leg shall be known as the i -th individual leg time and denoted by T'_i . The Challengee's Team Time, hereinafter referred to as the Challengee's Time and denoted by T' ,

shall be the sum of the individual Challengee's leg times, i.e.,

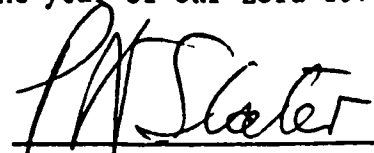
$$T' = \sum_{i=1}^N T'_i$$

3. The conduct of the race shall be as follows: The Challengers and the member of the Challengee's relay team designated to run the first leg shall start running when the starting signal is given by the Race Director. The Challengers shall each run, as fast as either they care to run or are able to run, or both, the entire 8.3-mile loop course. The member of the Challengee's relay team designated to run the first leg shall run to within 20 meters of the starting point for the second leg, and shall then be required to touch, with his hand, the body of the member of the Challengee's relay team designated to run the second leg, and must do so prior to the time the second individual commences running the second leg. Similarly, the second individual shall run to within 20 meters of the starting point of the second leg, and shall then touch, with his hand, the body of the third individual prior to the time the third individual commences running the third leg, etc., and similarly throughout the race. There is no requirement that the Challengee's relay team carry or pass a baton.
4. At the completion of the race, the Challenger's Time, T, and the Challengee's Time, T', shall be compared to determine the winning team. If $T < T'$, the Challengers shall be declared the winning team, whereas, if $T' \leq T$, the Challengees shall be declared the winning team. The winning team shall then collect the wager specified below in paragraph 5.
5. The wager shall be as follows: The Challengees shall wager a total of N dollars (United States currency), where N is the number of team members. The Challengers shall wager an equal number of dollars (same currency). If the Challengees are declared to be the winning team, the Challengers shall pay a total of N dollars to the Challengees, whereas, if the Challengers are declared to be the winning team, then the Challengees shall pay N dollars to the Challengers. It is further specified that, in order to create additional incentive for the Challengers, the Challenger with the lower individual time shall pay \$1.00 less, or receive \$1.00 more, than the Challenger with the greater individual time, depending on whether his team loses or wins.

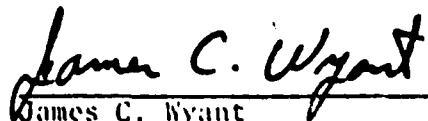
Agreed to on this 15th day of September, in the year of our Lord 1977:



Jack D. Gaskill
Captain of Challengee's Relay
Team



Philip N. Slater
Member of Challenger's Team



James C. Wyant
Member of Challenger's Team