

# What Makes A Champion Swimmer?

Champaign, IL - Dr. T.K. Cureton, in charge of the University of Illinois Physical Fitness Laboratory, has run test of various kinds on 30,000 men, including many Olympic champions. His latest subject is John Marshall, an Australian-born long distance swimmer and holder of eight world marks. Dr. Cureton discovered that Marshall has one of the largest hearts per pound of body weight of any of the thousands tested. More than anything else, he attributes the swimmer's success to his big, strong heart. Marshall's heart contracts with great strength, wringing out practically all its blood on each beat. Cureton determined that Marshall's amazing maintenance of pace was caused by vast amounts of oxygen taken into the lungs. His circulatory fitness rated higher than any athlete tested. The results of the test is considered as one of the more convincing answers to the question: **What makes a champion swimmer?**



January 13, 1951: Swimmer John Marshall (in trunks) recuperates after an all-out test as Dr. Cureton (left) determines the heart response with a stethoscope and technician Richard Ganslen (right) checks recovery blood pressure.