

# Training the Olympic Elite

From ancient Greece to the Iron Curtain on to Los Angeles, Olympic training has evolved as a high-powered science

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This article, "Training the Olympic Elite" by David M. Stewart, discusses the evolution of Olympic training from ancient Greece to the 1984 Summer Games. The article highlights the scientific advancements in sports training, particularly behind the Iron Curtain in the 1970s. The U.S. Olympic Committee's Elite Athlete Program is discussed, which applies technology, biomechanics, psychology, physiology, and medicine to training methods and equipment development in various sports. The article also features Dr. Gideon Ariel's biomechanical analysis work, Dr. Mitchell Feingold's research on cycling biomechanics, and Dr. David Martin's work on long-term physical monitoring for track and field athletes. The Elite Athlete Program's future beyond the 1984 Olympics is also discussed.

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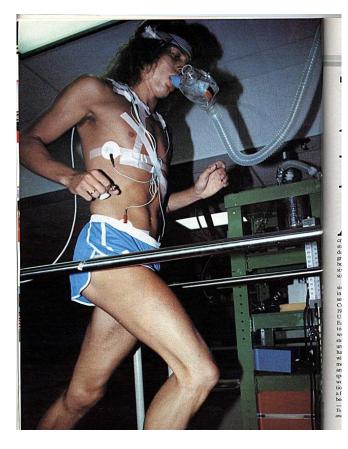
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Below find a reprint of the 5 relevant pages of the article "Training the Olympic Elite" in "Southwest Magazine":





### THE SUMMER GAMES 1984 Training By David M. St the Olympic Elite Form ancient Greece to the Iron on to Los Angeles, Olympic train has evolved as a high-powered sc By David M. Stewart From ancient Greece to the Iron Curtain on to Los Angeles, Olympic training has evolved as a high-powered science.

A generous interpretation of Greek keend would estab-funder of scientific Olym-training. Mile created a order wight-lifting program to build his order wight-lifting program to build his wight for athelic competition – every dy he lifted a newborn call (later galaating to a fully grown ox) over his a kind of primitive press. He won to Olympic championship during the Dynamic heat has advanced quilt a bit

been keeping track of this activity and

Tom Byers, who runs the 1500 meters, is wired

Machines at the Coto Research Center use digitizing screens, comp

memoirser and calculator. I combine the way of the US Cycling Federation Dr by the US. Cycling Federation Dr by the US. Cycling Federation Dr by the US. Cycling Federation Dr by the US cycling Federation Dr by the US of the Stational Station Stational Station Dr by the Stational Stational Stational physical abnormalities, "We want to see hybrid abnormalities, "We want to see hybrid abnormalities, "We want to see hybrid abnormalities, the set of the Stational Sta

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decrease in stress-related injuries and f found cycling smoother, more efficient. Physical stress inh the only kind stress athletes deal with -there's also imported for the stress that is the Andy Jacobs' job to help members Jacobs, one of the country's few PhI in sports psychology, became the te psychologist a couple years ago af overlag, with the national jurior team Colordo. "Basically, says Jacobs, 'what I do doncentration, motivation, self-sete attitude, attention span, stress mana ment, coach-tallete relations." This mostly one-one-one worf al-acobs ato one system of the self-sete attitude, attention span, stress mana mostly one-one-one worf al-acobs ato one systemization to help a block ment expects picture himself on his bits.

mostly offe-off-offe Work—Jacobs above the athletes can tail to L Jaco above the athletes can tail to L Jaco above the athletes can tail to L Jaco above the set of the athletes can tail to L Jaco above the set of the set of the set of the says Jacobs. The have him picture ' whole race, from start to finish. Wh has pain or trouble concentrating, the set in the set of the set of the problem of the set of the set of the problem of the set of the rown of the set of the set of the set of the rown of the set of the rown of the set of the set of the set of the rown of the set of the rown of the set of the rown of the set of th

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