

The Acrobatics of Human Motion

All the difference in the world is what Gideon Ariel hopes to accomplish

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The Acrobatics of Human Motion

In this article, Carole Jacobs explores the work of Gideon Ariel, a biomechanical scientist and former Olympic discus thrower, who has developed the Ariel 4000, the world's first "intelligent" exercise machine. Ariel's machine adapts to the user, knowing how much weight they should lift and releasing pressure if it senses pain. Ariel has used his machine to help numerous athletes, including Terry Albritton, Mac Wilkens, and Leonard Ansen, improve their performance. However, his work is not without controversy, with some questioning the scientific proof behind his claims. Ariel's ultimate goal is to bring his advanced technology into the average American home, and he is currently working on converting his multi-million dollar software so it can be used with an IBM home computer.

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Below find a reprint of the 3 relevant pages of the article "The Acrobatics of Human Motion" in "Orange Coast":



Ariel has been called the P.T. Barnum of Sports Science.

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The Acrobatics of Human Motion

By Carole Iacobs

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and his computer suggested he cut some speed from one sequence of his spin. Race walker Leonard Ansen boosted his speed and endurance by increasing his hip roll and decreasing his arm swing. The U.S. Women's Volleyball Team, in a hopeless 56th place three years ago, placed second in the Los Angeles '84 Games after a year of training with Ariel. Bruce Jenner, Jimmy Connors, Edwin Moese, Jack Nicklaus, and the Dallas Cowtooy are annog the many por-divide althetes who credit Ariel-wanch althetes who credit Ariel-wanch drains lathete devoters is "Dre of Arien's latest devoters is

Concors are among the many pro-ressional athletes who credit Ariel with helping them improve perfor-ance. The side of the side of the second second freshed the signal second second second of a mod my, "Ariel says with glee of a mod my," Ariel says with glee of a mod my, "Ariel says with glee of the side second second second second mediate second second second second second second second second second mediate second second second second second second second second second mediate second second second second mediate second sec

boarding schools following his parents' divorce, the clumsy, over-weight problem child longed to be an athlete — any kind of athlete. But all his attempts at school sports failed. "How do they say it? I was always the last one picked for basketball," Ariel says. When Ariel was 17, a new physical ducation teacher was assiened to his

When Ariel was 17, a new physical education teacher was assigned to his school. He told Ariel that "a hig boy like you should be good at some-thing." Discus throwing, perhaps. Ariel decided to give the sport a try, rowing to follow his teacher's advice to practice very hard. "I walked, ate and slept with that discus," laughs Ariel. "I was deter-mined to be a great athlete — even an Olympic athlete — even tough the other kids teased me and called me

Olympic athlete — even though the crazy man." Ariel got the last laugh. At age 20, he tried out for the 1960 Israeli Olympic Discus Throwing: Team and broke the national record at the trials. At the trials in 1964, he set a world record that still stands. Later, after earning three post-doctoral degrees in service and com-fuence of the still stands. Later, after earning three post-doctoral degrees in service and com-wyoning and the University of Massachusetts, Ariel turned his attention to the scientific study of human motion. From a storefront office in Am-herst, Massachusetts, Ariel world of patients, then for athletes. Word of Ariel's revolutionary re-search reached Vic Braden, founder of the Vic Braden Tennis Ranch in invitation to ion Braden in the Com de Caza Research Center, a research and training center for athletes and others interested in physical fitness.

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