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Switched-On Sports

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Gideon Ariel: The Future of Sports Performance

Gideon Ariel, a 39-year-old Israeli scientist, is revolutionizing the world of sports through biomechanics and computer analysis. Ariel believes that the future of sports lies in technology, and he is leading the way with his innovative methods. He uses high-speed movies to capture athletes in motion, then breaks down the film to analyze the body in segments. This detailed analysis allows him to measure and weigh everything from timing and relative speeds of limb and body segments to changes in centers of gravity.

Ariel's company, Computerized Biomechanical Analysis (CBA), is based in Amherst. Despite its modest exterior, the company is a hub of innovation, with a \$600,000 shop filled with cutting-edge technology. Ariel and his team use a range of tools, including a \$30,000 force platform, to measure different types of pressure and improve athletes' performance.

Ariel's work has already yielded interesting results. For example, he was asked to compare the golf swings of Jack Nicklaus and Gerald Ford. His analysis found that while Ford has a smoother and faster overall swing, his timing is not as efficient as Nicklaus'.

Ariel's vision for the future of sports includes biomechanical clothing, running on packaged air, and lifting weights with a computer. He believes that the current state of sports in the country is in the dark ages and hopes his work will help bring about a new era of technological advancement in athletics.

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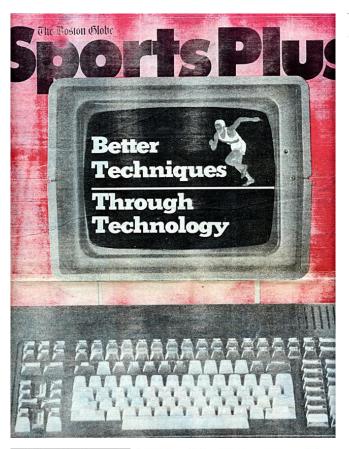
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