

Mike Burrows

Alexandr Vassilyev MCEN 5279



Background

- Born in Coventry, England in 1943
- Family involved in bicycle industry at Triumph Cycles
 - Father aircraft designer
 - Sculpting and sailing hobbies
- Began racing bikes at an early age
- Developed interest in recumbent bicycles
- Started constructing custom recumbent bicycles as a hobby in 1980







Early Bikes

- Used "soft design"
 - o No computer aided design
 - Trial and error/user experience
- Pioneered recumbent bicycles Windcheetah (late 1970s)
- Experimented with carbon fiber, fiberglass, titanium
- Early 1980s began partnering with Lotus and Giant bicycles





Giant TCR

- "Total Compact Road"
- Developed in 1990
- Pioneered the use of oval tubing for added strength
- Refined bike geometries to make them more universal in size
- Adapted designs from both mountain and road bikes
- Released the Giant TCR in 1997 to acclaim





Giant MCR

- "Multi Condition Road"
- Introduced in 1999
- Multi-purpose bike
- Compliant suspension system
 - Design still used in modern bikes
 - Integrated into "rear triangle"
- Hydroformed Al frame
- Used in road racing, touring, gravel, commuting





Lotus 108

- Designs by Burrows for the
 1992 Barcelona Olympics
- One of the most successful racing bike of all time
- Inspired by streamlining and aerospace design
- Carbon fiber construction
- Won award for most innovative bike of the year



Other Notable Designs









Recent Designs

- Folding city bike
- Ratracer recumbent bicycle
- Velocite Syn aero road bike







Sources

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