





## GOING THE DISTANCE.

You may never line up at the Hawaii Ironman Triathlon, Race Across America or Coors Classic but you know that your Centurion can go the distance in those and other gruelling events and come out ahead of the competition. In the past few years, more Centurionequipped athletes have won those events more times than athletes riding any other bicycles.

This relentless desire to be number one keeps us laps ahead of the competition. It's why we never stop testing, racing and refining our entire line of bicycles. And it's why most Centurion bikes are competition-ready right out of your dealers store.

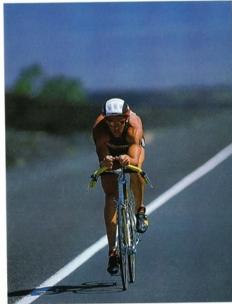
The drawing boards at W.S.I. are peopled by cyclists who don't just spend their days glued to rulers and protractors. Everyone at W.S.I. with a hand in the design, testing or styling of the bikes is a rider. You'd even recognize some of the names of our "insiders" as champion cyclists.

Of course, we don't just go around patting ourselves on the back and call it a day. We give our bikes to the finest athletes in the world to test and refine and come back with ideas that go directly into the machines.

When Dave Scott wins another triathlon, he's helping us make his Centurion faster, lighter and more durable.

Most times Casey Patterson, Race Across America winner, puts in another 400-plus mile training day on her Centurion, her ideas for improving her bike go into our new line

> of bikes. The result is a bicycle built to come in first. And last a lifetime.



Dave Scott six time Hawaii Ironman Triathlon champion.

Selle Italia Turbo saddle. The competition standard.

Rigid rear triangle of full carbon fiber pre-pre-

Centurion-developed multi-layer pre-preg carbon fiber wraps paper thin aluminum alloy. Great impact strength, torsional rigidity yet lightweight.

New 600 Ultegra. Precise "power braking" with Shimano's Linear Response

Massive investment cast vertical dropouts.

New precision lightweight Araya CT-370-hard anodized

Double water bottle bosses.

Shimano/Look ski binding type clipless pedals. Security, safety, speed and style.

Round chainrings for competitive, high RPM "spinners".

Tange bonded aluminum alloy fork

> 28 spoke front, 32 spoke rear hubs for low, low rotational air resistance and weight. (62cm frame uses 32/32 spoke hubs.)

Panaracer Tecnova 115 psi rated tires. Low rolling resistance motorcycle road race technology in a clincher sicycle tire.

Leading action new 600 Ultegra front derailleur. Quicker, more positive front shifting, Rear SIS provides precise shifting under all conditions.

Tronman is a registered service mark of the Hawaiian Triathlon Corporation.

Centurion is a registered trade name of WSI.

## GOING, GOING, GONE.

For 1988, our technology is shrinking. The Lemans Proportional is an exact geometric duplicate of the Lemans. This is what the smaller rider has needed all along. The secret is in the wheels and tires we helped develop. The special 26" size is just small enough to allow us to pull in the front wheel where it belongs for the smaller rider, without having to raid the parts bin for different sized wheels.

This is the kind of real world solution we at W.S.I. are best at coming up with. That kind of innovative clear thinking gives us the edge.

"Lighter. Lighter. These moans of the living dead-tired kept us up nights. So did a lot of late nights at the drawing boards and test labs working on a solution. To appease these lost souls, we shrunk the weight of our new Ironman Carbon down under 4 lbs. 2oz. for the frame and fork.

#### FLYING COLORS

Our unique five stage painting process has long been the envy of bicycle makers around the world. Once again, we've found a way to make our bikes even more beautiful.

Every Centurion features a stunning two tone paint job worthy of the smallest custom shop, but the Ironman Master is our most ambitious and unique paint scheme ever. Our designers and painters came up with a paint method that gives an effect we call Smoke. Humor us if you will and turn to the Master page.

Slick, or what? And you'll only find it on a Centurion.

## HUNDREDS OF DEALERS— NO WAITING.

Don't look between the fishing tackle and

the golf shoes for a Centurion. The final and critically important link in our chain is the professional bicycle retailer. You will only find Centurion bikes in the most dedicated, knowledgeable and enthusiastic stores. The same kind of place you'd like to be able to take your Nikon to be cleaned, your 240 Z tuned, your Martin D-28 refretted or your Rossignol 4 SK's tuned and waxed.

Caring, professional stores make the bike buying experience something special. With over 700 authorized Centurion dealers nationwide, you won't have to go far to find the Centurion bicycle that's just right for you.

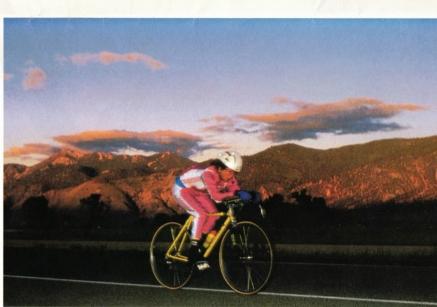
After you thumb through this catalog, stop in at a Centurion dealer and see the real thing up close. Compare. We can take it. When you've compared a Centurion and a couple of other bikes lug to lug, you'll begin to see why we call Centurion "The Intelligent Choice."

# IRONMAN CARBON

true world-class performer and a first for Centurion. A bonded, all carbon fiber frame and bonded aluminum alloy fork combined with Shimano's latest component triumphnew 600 Ultegra-crown this head of the Ironman Series.

At under 4 lbs. 2oz. for a 58cm frame and fork and under \$1,500, the Ironman Carbon makes a legitimate, durable, under 20 pound "dream machine" accessible to the hard-core enthusiast and competitive cyclist.

Equipped with fast 28/32 spoke Araya and Panaracer training clinchers, Shimano/Look clipless pedals and a Turbo saddle, the Ironman Carbon is ready when you are to ride up to your highest potential.



Casey Patterson. 1987 Race Across America winner. Casey first rode the RAAM in 1986 on a Centurion and came back in 1987 to win

Our commitment to competitive women's cycling over the years has helped us develop and fine tune such designs as our Expert Women's of '87 and our new Lemans Proportional.















	IRONMAN CARBON	IRONMAN MASTER	IRONMAN EXPERT	LEMANS	LEMANS PROPORTIONAL	ACCORDO	SPORT DLX	CAVALETTO	SIGNET
Frame Construction	Centurion carbon- wrapped alloy tubing bonded to cast alloy lugs. 2 sets of water bottle bosses.	Full Tange Champion #1 tubeset, Brazed on pump peg and two sets of water bottle bosses.	Full Tange Champion #1 tubeset. Brazed on pump peg and two sets of water bottle bosses.	Tange Champion #2 double butted chrome moly, Brazed on pump peg and 2 sets of water bottle bosses.	Tange Champion #2 double butted chrome moly, Brazed on pump peg and 2 sets of water bottle bosses.	Tange Infinity double butted chrome moly 3 main tubes. Forged dropouts. Brazed on pump peg and 2 sets of water bottle bosses.	Tange Infinity double butted chrome moly 3 main tubes. Forged dropouts. Two sets of water bottle bosses.	High carbon steel and 4130 chrome moly tubing. Fully lugged. Full cable guides, brazed on water bottle bosses.	High carbon steel tubing Fully lugged. Full cable guides, brazed on water bottle bosses.
Fork	Tange bonded aluminum alloy.	Tange Champion #1 Unicrown. Integral sloping crown design.	Tange Champion #1 Unicrown. Integral sloping crown design.	Tange Mangalloy. Sloping crown.	Tange Mangalloy. Sloping crown.	Chrome moly steel with sloping fork crown. Forged tips.	High tension steel with sloping fork crown. Forged tips.	High carbon steel. Sloping crown.	High carbon steel. Sloping crown.
Brake	Shimano New 600 Ultegra SLR Linear Response sidepull with New 600 Ultegra aero brake levers.	Shimano New 600 Ultegra SLR Linear Response sidepull with New 600 Ultegra aero brake levers.	Shimano 105 SLR Linear Response sidepull with 105 SLR aero brake levers.	Shimano Exage Sport SLR Linear Response system sidepull with SLR aero brake levers.	Shimano Exage Sport SLR Linear Response system sidepull with compact SLR aero brake levers,	Shimano L490 SLR Linear Response system sidepull with aero brake levers.	Dia Compe TDC 500, QR sidepull with AC 260 aero brake levers.	Dia Compe TDC 500 sidepull with extension levers.	Polygon AF-500 sidepull with extension levers.
Chain	Shimano UG narrow, Bevelled plates. Silver and black finish.	Shimano UG narrow. Bevelled plates. Silver and black finish.	Shimano UG. Bevelled plates. Silver and black finish.	Shimano UG. Bevelled plates. Silver and black finish.	Shimano UG. Bevelled plates. Silver and black finish.	Shimano UG. Bevelled plates. Black finish.	Shimano UG. Bevelled plates. Black finish.	Shimano UG, Bevelled plates, Black finish.	Shimano UG. Bevelled plates. Black finish.
Crankset	Shimano New 600 Ultegra. 53/42T, Sealed BB assembly. Anatomic sizing.	Shimano New 600 Ultegra with Biopace. 53/42T. Sealed BB assembly. Anatomic sizing.	Shimano 105 with Biopace, 52/42T, Sealed BB assembly, Anatomic sizing	Shimano Exage Sport with Biopace. 52/42T. Sealed BB assembly. Anatomic sizing.	Shimano Exage Sport with Biopace, 52/42T. Sealed BB assembly, Anatomic sizing.	Shimano A350 with Biopace, 52/40T. Sealed BB assembly, Anatomic sizing,	Sugino VP-110. 52/40T. Sealed BB assembly. Anatomic sizing.	Sugino DZFA. Cotterless, 52/40T. Anatomic sizing.	Sugino DZFA. Cotterless. 52/40T. Anatomic sizing.
Derailleurs	Shimano New 600 Ultegra SIS, rear. New 600 Ultegra, front. SIS levers.	Shimano New 600 Ultegra SIS, rear. New 600 Ultegra, front. SIS levers.	Shimano 105 SIS, rear. 105, front. With brazed on SIS levers.	Shimano Exage Sport SIS, rear. Exage Sport Front SIS, front. Brazed on SIS levers.	Shimano Exage Sport SIS, rear. Exage Sport Front SIS, front. Brazed on SIS levers.	Shimano A-350 SIS, rear. A-350 SIS, front. Brazed on SIS levers.	Shimano L-541 SIS, rear. AX-50, front, Brazed on SIS levers.	Shimano L-541 SIS, rear. AX-50, front. With SL-441 SIS stem shift levers.	Shimano L-541 SIS, rear. AX-50, front. With SL-441 SIS stem shift levers.
Freewheel	Shimano New 600 Ultegra 12-21T, cassette 7 speed. Sealed system. Silver finish.	Shimano New 600 Ultegra 12-21T; cassette 7 speed. Sealed system. Silver finish.	Shimano 105 13-24T, cassette 6 speed. Sealed system. Silver finish.	Shimano Exage Sport 13-26T, cassette 6 speed. Sealed system. Silver finish.	Shimano Exage Sport 13-26T, cassette 6 speed. Sealed'system. Silver finish.	Shimano Z. 14-28T. 6 speed.	Shimano Z. 14-28T. 6 speed.	Shimano 14-28T. 6 speed.	Shimano 14-28T. 6 speed.
Handlebar	Nitto B-115 aluminum alloy. Padded tape. Anatomic sizing.	Nitto B-115 aluminum alloy. Padded tape. Anatomic sizing.	Nitto B-115 aluminum alloy. Padded tape. Anatomic sizing.	Kusuki WP-B. Reinforced aluminum alloy. Padded tape. Anatomic sizing.	Kusuki WP-B. Reinforced aluminum alloy. Padded tape. Anatomic sizing.	Centurion reinforced aluminum alloy, Padded tape, Anatomic sizing,	Centurion alloy center reinforced, Padded tape. Anatomic sizing.	Centurion alloy center reinforced. Foam cushion grips. Anatomic sizing.	Steet. Foam cusmon grips. Anatomic sizing.
Stem	Nitto Young 3. Aluminum alloy. Anatomic sizing.	Nitto Young 3. Aluminum alloy. Anatomic sizing.	Nitto Young 3. Aluminum alloy. Anatomic sizing.	Kusuki Win Sigma. Aluminum alloy. Anatomic sizing.	Kusuki Win Sigma. Aluminum alloy. Anatomic sizing.	Kalloy KA. Aluminum alloy. Anatomic sizing.	Kalloy KA. Aluminum alloy. Anatomic sizing.	Kalloy KA, Aluminum alloy. Anatomic sizing.	Kalloy KA. Aluminum alloy. Anatomic sizing.
Headset	Shimano New 600 Ultegra low profile. Aluminum alloy. Sealed system.	Shimano New 600 Ultegra low profile. Aluminum alloy. Sealed system.	Shimano 105 low profile. Aluminum alloy. Sealed system.	Tange Seiki MS-II-S. Sealed system.	Tange Seiki MS-II-S. Sealed system.	Centurion steel.	Centurion steel.	Centurion steel.	Centurion steel.
Hubs	Shimano New 600 Ultegra. Sealed system. 28 hole front. 32 hole rear.	Shimano New 600 Ultegra. Sealed system. 28/32 hole front/rear, 48 to 60cm. 32/36 hole 62 and 64cm.	Shimano 105. Sealed system. 32 hole, 48 to 60cm. 36 hole, 62 and 64cm.	Shimano Exage Sport small flange. Quick release. Sealed system.	Shimano Exage Sport small flange. 32 hole. Quick release. Sealed system.	Centurion small flange alloy. QR front and rear. Sealed system.	Centurion small flange alloy. QR front and rear. Sealed system.	Centurion small flange steel front and rear. Quick release front.	Centurion small flange steel front and rear.
Pedals	Shimano/Look Dura-Ace clipless.	Shimano New 600 Ultegra aero wedge design. With integral toe clips. Positive-grip cleat. Sugino nylon straps.	Shimano 105 aero. With integral toe clips. Sugino nylon straps.	Shimano Exage Sport aero wedge with integral nylon toe clips and Sugino nylon straps.	Shimano Exage Sport aero wedge with integral nylon toe clips and Sugino nylon straps.	Victor VP-390T. Aero style with integrated plastic toe clips and nylon straps.	Victor VP:390T. Aero style with integrated plastic toe clips and nylon straps.	Victor VP391. Double sided platform.	Victor VP-391. Double sided platform.
Rims	Araya CF370 hard anodized, 700 × 20c, 28 hole front, 32 hole rear.	Araya CF370 hard anodized, 700 × 20c. 28/32 hole front/rear, 48 to 60cm, 32/36 hole 62 and 64cm.	Araya CF370 hard anodized. 700 × 20c. 32 hole, 48 to 60cm. 36 hole, 62 and 64cm.	Araya SS-45 dark anodized. 700 × 20c. 36 hole.	Araya 20A dark anodized. 26 × 1". 32 hole.	Weinmann 913. 700 × 20c. Aluminum alloy. 36 hole.	Weinmann 913. 700 × 20c. Aluminum alloy. 36 hole.	Araya SP-20. 27 × 1-1/4. Aluminum alloy.	27 × 1-1/4. Steel chrome plated.
Seat	Selle Italia Turbo. Genuine suede calfskin.	Selle Italia Turbo. Genuine suede calfskin.	Vetta Mundial-Race, Genuine suede leather with lycra seatcover.	Vetta racing. With lycra seatcover.	Vetta anatomic. With lycra seatcover.	Vetta racing. With lycra seatcover.	Centurion racing.	Centurion anatomic.	Centurion anatomic.
Seatpost	Sugino SP-O. 25.0mm.	Sugino SP-K. 27.0mm.	Sugino SP-TL 27.0mm.	Sugino SP-TL 27.0mm.	Sugino SP-TL 27.0mm.	Kalloy SP-241. 27.0mm. Aluminum alloy, micro adjust type.	Kalloy SP-241. 27.0mm. Aluminum alloy, micro adjust typė.	Chrome plated steel. 25.8mm.	Chrome plated steel. 25.8mm.
Spokes	Stainless steel. 14ga.	Stainless steel. 14ga.	Stainless steel. 14ga.	Stainless steel. 14ga.	Stainless steel. 14ga.	Stainless steel. 14ga.	High carbon steel. 14ga.	High carbon steel. 14ga.	High carbon steel. 14ga.
Tires	Panaracer Tecnova, 700 × 20c. Special smooth siping tread, rated 115 psi.	Panaracer Tecnova. 700 × 20c. Special smooth siping tread, rated 115 psi.	Panaracer Tecnova. 700 × 20c. Special smooth siping tread, rated 115 psi.	Panaracer Tecnova. 700 × 20c. Special smooth siping tread, rated 115 psi.	Panaracer Tecnova. 26 × 1". Special smooth siping tread, rated 115 psi.	Cheng Shin 700 × 25c high pressure skinwall. Rated to 100 pst.	Cheng Shin 700 × 25c high pressure skinwall, Rated to 100 psi.	Cheng Shin 27 × 1·1/4. Skinwall, rated 95 psi.	Cheng Shin 27 × 1-1/4. Gumwall, rated 85 psi.
Frame Stzes	50, 52, 54, 56, 58, 60, 62cm.	48, 50, 52, 54, 56, 58, 60, 62, 64cm.	48, 50, 52, 54, 56, 58, 60, 62, 64cm.	48, 50, 52, 54, 56, 58, 60, 64cm.	46cm, 48cm. Proportional sizing.	19, 21, 23, 25 inch.	19, 21, 23, 25 inch.	Standard: 19, 21, 23, 25 in. Mixte: 17, 19 inch.	Standard: 19, 21, 23, 25 in. Step-through: 17, 19 inc Boys 24" wheel: 15 incl Girls 24" wheel: 15 incl
Colors	Natural/carbon clear coat.	New dualtone Smoke Magenta/White. New dualtone Yellow/White.	New dualtone Guards Red/White. New dualtone Marine Green/White.	New dualtone Yellow/ White, New dualtone Magenta/White.	New dualtone Magenta/White.	New dualtone Guards Red/White. New dualtone Marine Green/White.	New dualtone Blue/ White. New dualtone Yellow/ White.	New dualtone Guards Red/White. New dualtone Aqua Green/ White. New dualtone Peach/White, Guards Red/White on mixte.	New dualtone Blue/ White. New dualtone Yellow/White.

