



Dear Fat Tire Freaks,

It's been many months now since I received my Mountain Bike. Since I've had plenty of time to ride it on all kinds of terrain, I'm writing to tell you of my experience.

To be honest, the bike isn't really what I expected -it's better. The frame is so beautiful I cringed the first
time I hit mud. And even though it's sturdy as a tank, it's
almost as light as my touring bike. Most surprising,
though, was the way it handles. I expected it to be ponderous
and slow. It was light and nimble.

The first chance we got, Maggie (my dog) and I were on the 14 mile horse trail in Rock Creek Park -- lots of nasty hills, stream crossings, mud, fallen trees, and horse shit. After a few miles I began to really appreciate the bike's design. I was totally at ease going up and down the steepest hills and after a little practice was plunging through streams and jumping over logs as well as Maggie.

It's pretty good in snow, too. A few months ago DC got one of its infrequent snow storms -- 5 inches of dry powder. I rode the bike from the Capitol down the Mall, circled the Washington Monument and headed back. To my delight, I was blasting past X-country skiers. One surprised skier looked at me and said, "You need some X-country skis." He then stopped to remove his skis so he could cross a plowed street. I jumped the bike off the curb and as I crossed the street, I looked back at him and said, "No, you need a Mountain Bike."

Sincerely,

Jim Henze

(owner of bike #77)



ere at MOUNTAINBIKES our cycling experience spans two decades of USCF road and cyclo-cross racing, and also includes amiliarity with nearly every aspect of modern cycling from nuts-and-bolts to frame building and race promotion. Our interest in balloon-tire bicycles goes back to the era of hot-rodding old "clunkers" for cross country riding. Over a period of several years our bicycles evolved from fifty pound monsters to an entirely new type of bicycle, high performance without being high-strung. The RITCHEY MAUNITAINBIKE was the first commercially available version of the modern all-terrain bicycle, and it has been widery imitated by other custom builders and mass manufacturers.

Our aim is to produce a bicycle that will take the rider from point A to point B quickly and reliably, no matter what lies in between, from rugged mountain passes to paved highway.

The RITCHEY MOUNTAINBIKE is an alternative for the camper or tourist who may wish to ride on rough roads and trails. At touring speeds averaging 15mph or less, aerodynamics and rolling resistance are less important, but flats and wheel damage are common occurrences for many tourists. For paved roads CRUISER MIT street tires can be inflated to 70psi; these tires are virtually indestructible under all touring conditions, and are widely available. Rolling resistance on these new tires approaches that of conventional high pressure tires. Semi upright BULLMOOSE handlebars give the rider a better view of the road as well as firmer, more comfortable control of the steering, which can be very important with a loaded bike on a long day's ride.

The RITCHEY MOUNTAINBIKE makes a fine commute and utility bicycle, with stability, braking and handling on the street that far exceeds the limits of ordinary bikes. No other bike is better suited to the perils of inner city riding, such as potholes, tracks, curbs and sewer grates.



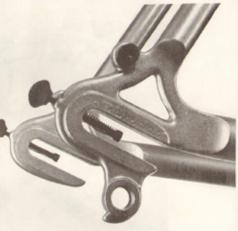
For adventurous and competitive riders the RITCHEY MOUNTAINBIKE is perfect for the new sport of off-road racing. This sport is only a few years old and already RITCHEY MOUNTAINBIKES are the bikes to beat-but not many do. RITCHEY MOUNTAINBIKES have been winners at all three runnings of Reseda to the Sea, both times at the Central Coast Clunker Classic, both Coyote Derbies, and the first (and to date only) annual Whiskeytown Downhill. In the 1982 USCF national cyclocross championships a specially prepared RITCHEY MOUNTAINBIKE was sixth, with a sixteen year old rider.

The RITCHEY MOUNTAINBIKE is not just a frameset, it's also a complete system of components chosen by way of our long experience with these bikes from the best of bicycle and motorcycle components. In those cases where no components exist that fit our exact needs, we have either contracted their manufacture manufactured them ourselves. The end result is a machine that has been called "the world's most versatile bicycle." The same bicycle can be used as a utility bike, a touring bike, or even a racing bike for the new sport of off-road bicycle 3 competiton.

The MOUNTAINBIKES frameset is hand built by Tom Ritchey using the finest in materials and craftsmanship developed over ten years of frame building and thousands of frames including racing, touring, tandem and off-road bicycles. Our experience with balloon tire bicycles includes thousands of off-road miles, and the machinery reflects this in every aspect, from design and construction to choice of components.

Tom Ritchey's attention to detail is reflected in the careful job of brazing and finishing on each frame. Brazed radiused fillets distribute stress evenly to provide the strongest possible joint. Most frame builders are not skilled enough to use this form of construction without overheating, but Tom Ritchey is expert, having made nearly a thousand frames by this method. Brazed fillets are put on at a much lower temp- erature than TIG-welds (1600 degrees vs. 2500 degrees) and have three times the contact area of TIG-welds, reducing the possibility of stress risers that can cause cracking. All joints are smoothly radiused. The rear dropout is canted slightly, and this gives the chain more wrap on the cluster. Where the seat and chainstays join the dropout the joint flows smoothly and is carefully finished. Braze-ons are carefully placed to avoid stress concentration and the brake pivots are reinforced with large fillets where they are attached to the frame and smaller fillets around the posts. An extra sleeve reinforces the seat cluster. where it receives stress from use of a seatpost

quick-release.



Frame material is 4130 chrome-moly tubing joined by brazed fillets. Top and down tubes are each one eighth inch oversize to add stiffness and strength, and the geometry is carefully chosen to deliver maximum performance under trying conditions including trail riding, climbing and descending on steep roads and poor surfaces.

Larger frames have a proportionally longer top tube to fit large riders; smaller frames have lighter tubing because the tighter triangle is structurally stronger, and because shorter riders are generally lighter.



Tom makes his own bottom bracket shell to incorporate an integral bottom bracket assembly. The Ritchey bottom bracket is lighter than any conventional type, and the spindle is supported further out for increased stiffness. The bearing used is fifty percent larger than the one used in the PHIL; it is easily removed for servicing, yet the perfect fit assures smooth, noisless operation. The bearing used is widely available.

All cable stops and guides are standard equipment, and they are carefully placed for perefect function. The rear derailleur cable is routed under the bottom bracket and chainstay to allow the use of a very small chainring with a wide range front derailleur. Tom makes his own bottle cage and rack braze-ons, which are larger and stronger than those commercially available.

The RITCHEY "BULLMOOSE" handlebarstem represents a significant advance in off-road cycling technology; in fact, it is already being copied by other manufacturers. The triangulated design gives more side to side strength. The rider is able to pull on these bars for whatever reason and get response. The carefully chosen tubing gauges keep weight down. We offer four versions of the BULLMOOSE, two bends each in two different finishes. The original BULLMOOSE features a highly polisned plated finish, while the BULLMOOSE II is sandblasted before plating, giving it a flat finish. Currently available in European stem size (22.2 mm), American size (.833") available in July.





Optional equipment and custom frame or parts work is available.

Brakes: MAFAC tandem cantilevers.



We developed the MOUNTAINBIKES II frameset for riders who don't need a custom frame, but still want the best performance from an off-road bike. The MOUNTAINBIKES II frameset uses the same frame geometry and tubing (with the exception of the head tube, which is slightly thicker) as the EVEREST. Handling, performance, and weight are the same on both framesets.

The MOUNTAINBIKES II is available in three sizes, 20", 21 1/2", and 23", and in two colors, blue and dark gray (both metallic). Braze-ons are the same as the standard EVEREST package, but no custom frame work will be done.

RITCHEY MOUNTAINBIKES "MCKINLEY"

Frameset: RITCHEY MOUNTAINBIKES II frameset with braze-ons for one water bottle, cable stops and guides, and cantilever brakes. Bottom Bracket: Sealed bearing Tom Ritchey Crankset: Extra-long TA CYCLOTOURIST triple. Pedals: BMX type with anodized alloy cage and chrome-moly shaft. Rear Derailleur: HURET DUOPAR "BOO." Front Derailleur: SIMPLEX SJA 103. Shift Levers: SUNTOUR thumbshifters. Handlebar/stem: TOM RITCHEY BULLMOOSE. Freewheel: SUNTOUR NEW WINNER 6-speed. Seatpost: SR LAPRADE. Saddle: AVOCET Touring II. Headset: CAMPAGNOLO RECORD. Hubs: PHIL WOOD or COOK BROTHERS. Rims: Anodized alloy 26 x 1.75. Spokes: DT stainless 14 gauge. Tires: Skinwall 26 x 2.125 balloon tires. Brake Levers: MAGURA motorcycle levers. Brake Cables: Heavy-duty motorcycle cables and housings. Chain: SHIMANO UNIGLIDE II. Brakes: MAFAC tandem cantilever.

SIZES

The EVEREST frameset is available in Seven sizes, from 19" to 25" in one inch increments, and in ten colors.



RITCHEY MOUNTAINBIKES "TAMALPAIS" meset: RITCHEY MOUNTAINBIKES II neset with braze-ons for one water tle, cable stops and guides, and tilever brakes. tom. Bracket: Sealed bearing TOM RITCHEY tom.

nkset: Extra-long TA CYCLOTOURIST

als: BMX type with anodized alloy cage chrome-moly shaft

r Derailleur: SUNTOUR VGT. th Derailleur: SIMPLEX SXA 53. ft Levers: SUNTOUR thumbshifters. flebar/stem: TOM RITCHEY "BULLMOOSE /I" Freewheel: SUNTOUR PERFECT 5-speed.
Seatpost: SR LAPRADE.
Saddle: AVOCET Touring I.
Headset: SHIMANO 600 EX.
Hubs: SUZUE sealed bearing with solid
chrome-moly axle.
Rims: Anodized alloy box construction.
Spokes: Zinc 14 gauge.
Tires: Skinwall 26 x 2.125 balloon tires.
Brake Levers: TOWASSELLI motorcycle levers
Brake Cables: Heavy duty motorcycle
cables and housings.
Chain: SHIMANO UNIGLIDE II.
Brakes: MAFAC tandem cantilever.



RITCHEY MOUNTAINBIKES "SIERRA"

Prameset: RITCHEY MOUNTAINBIKES II frame with braze-ons for one water bottle, all cable stops and guides, and cantilever brakes. Imported plated chrome-moly fork. Bottom Bracket: Sealed bearing Tom Ritchey custom.

Crankset: Extra-long TA CYCLOTOURIST triple.

Pedals: BMX type with anodized alloy cage and chrome-moly shaft.

Rear Derailleur: SUMTOUR VOT.

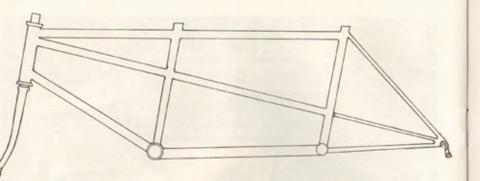
Front Derailleur: SIMPLEX SXA 53.

Shift Levers: SUMTOUR thumbshifters.

Handlebars: Chrome-moly handlebar with

allov stem.

Freewheel: SUNIDUR PERFECT 5-speed.
Seatpost: SR LAPRADE.
Saddle: ELINA padded leather covered saddle
Headset: HATTA SNAN.
Hubs: SUZUE sealed bearing.
Rims: Anodized alloy box construction.
Spokes: Zinc 270 mm #14 gauge.
Tires: IRC RACER X-1 26 X 2.125.
Brake Levers: MACURA "101".
Brake Cables: Heavy duty motorcycle cables and housings.
Chain: SHIMANO UNIGLIDE II.
Brakes: MAFAC Tandem cantilever.



The RITCHEY MOUNTAINBIKES TANDEM repements the state of the art in tandem echnology coupled with the stability and erformance of the new generation of balcon tires. Amazing speed for paved roads and the durability and comfort necessary or extended rides on poor surfaces are ombined with stopping and cornering abilty that more closely resembles that of a single bike than any previous tandem. The lamage caused by the heavy load and the extra power of two riders; the MOUNTAIN-SIKES TANDEM reduces this possibility to a sinimum.

Control on the MOUNTAINBIKES TANDEM s positive and easy even for the inexperenced rider, due to the stable design and owerful brake system. The brake system consists of a set of MAFAC cantilevers ront and rear and an ARAI drum rear brake n a FHIL WOOD double-threaded hub. Both ear brakes are activated by a MAGURA wall-pull motorcycle brake lever; cables are motorcycle cables which are thicker than standard bicycle cables, reducing tretch, and brazed-on cable stops eliminate housing compression.

Bottom Brackets: Sealed bearing TOM RITCHEY custom with eccentric front. Cranksets: TA CYCLOTOURIST triple with crossover drive. Crank length 175-185 mm. Pedals: BMX type with anodized alloy cage and chrome-moly shaft. Rear Derailleur: HURET DUOPAR "ECO." Front Derailleur: SIMPLEX SJA 103. Shift Levers: SUNTOUR thumbshifters. Handlebars: TOM RITCHEY "BULLMOOSE II" (front) and MAGURA alloy with TOM RITCHEY stoker stem. Freewheel: SUNTOUR NEW WINNER 6-speed. Seatposts: SR LAPRADE. Sertpost Quick Releases: CAMPAGNOLO. Saddles: AVOCET Touring I. Headset: HATTA "SWAN." Hubs: PHIL WOOD (140 mm double threaded Rims: Anodized alloy box construction, 36 hole. Spokes: DT stainless steel 12 gauge. Brake Levers: MAGURA motorcycle levers (dual-pull rear). Brake Cables: Heavy duty motorcycle cables and housings. Brakes: MAFAC tandem cantilevers front and rear and ARAI drum (rear). Tires: Skinwall 26 x 2.125 balloon tires.

Frameset: Available in two sizes, 21.5" x 20" and 23" x 21.5". Both sizes have 22.5" front top tube and 26" rear top tube. Frameset comes with complete braze-ons for brakes, cable stops and guides, and three water bottle cages. Top tube, down tube and lateral are all 1.25" 0.D. Weight of assembled bike is 50 lb.



For those who plan to use their MOUN-TAINBIKES for touring or for carrying any kind of load, we offer a complete package of touring equipment from BLACKBURN, along with custom rack mounting eyelets on the seatstays. The BLACKBURN equipment consists of: SX-1 rear carrier with elastic rack strap, BC-1 aluminum bottle cage, and FL-1 "Low Rider" front rack.

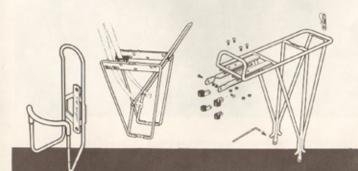
BLACKBURN touring package, as described (with purchase of complete bicycle)......\$65.00

BICYCLE ORDERS

Complete bicycles are too large for UPS shipment. We normally ship by Grey-hound, freight collect, but at customer option we will ship by truck or air freight. The customer will be notified on completion of the bicycle; bike will be shipped upon receipt of payment.

All retail bicycle orders must be accompanied by a \$300 deposit.

All cancelled orders for MOUNTAIN-BIKEs are subject to a charge of \$75 on return or deposit.





RITCHEY WOUNTAINBIKES: known and appreciated all over the world! (Photo by Robert Carpenter)

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DT ZINC #14 SPOKES 272MM/72
                           9.00
                                  04301K
                                        MAFAC TANDEM BRAKE PAD
                                                              0.75
                           4.50
    DT BRASS #14 NIPPLE/100
                                  04301M
                                        MAFAC CANT. BRAKE SET MODIFIED 19.00
                           4.50
                                  04501
    DT BRASS #15 NIPPLE/100
                                        PHIL WOOD 130MM BB SPINDLE
                                                             30.00
                                  04501A
                                        17MM CIRCLIP
    EDCO ALLOY #14 NIPPLE/100
                           7.50
                                                              0.50
                                                                                      04501B
                                        37MM CIRCLIP
                                                              0.75
    EDCO ALLOY #14 NIPPLE/100 BLUE 10.00
     EDCO ALLOY #14 NIPPLE/100 GOLD 10.00
                                  04521
                                        BOTTOM BRACKET SEALED BEARING
                                                             7.00
    EDCO ALLOY #14 NIPPLE/100 BLCK 10.00
                                  04561
                                        CAMPAGNOLO BB END BOLT
                                                              2.00
     EDCO ALLOY #15 NIPPLE/100
                           7.50
                                  04562
                                        CAMPAGNOLO SPINDLE END WASHER
                                                              0.40
2831
                          16.00
     STURMEY-ARCHER 26 X 1.75 RIM
                                                                                             "EVEREST" Standard Options (select)
                                  04563
                                        SUGINO SPINDLE BOLT/WASHER PR
                                                             1.00
                           20.50
2911B
    ARAYA 26 X 1.75 RIM BLUE
                                  05003
                                        BLACKBURN BC-1 BOTTLE CAGE
                                                              5.50
                           20.50
                                                                        2911G
    ARAYA 26 X 1.75 RIM GOLD
                                  050128
                                        PRIMUS PUMP TIP (SCHRADER)
                                                              6.50
                                                                        Frameset color (see list)
     ARAYA 26 X 1.75 RIM BLACK
                           20.50
2911K
                                  05013G
                                        PUMP SLEEVE GOLD ANODIZED
                                                              3.00
                                                                        ARAYA 26 X 1.75 RIM SILVER
                          20.50
2911s
                                  05031B
                                        BLACKBURN SX-1 RACK BLACK
                                                             30.50
                                                                        3101
     MITSUBOSHI 26 X 1.75 TIRE
                          17.00
                                  05031G
                                        BLACKBURN SX-1 RACK GOLD
                                                             30.50
                                                                        Middle chainring teeth. 36/38
3102
    MITSUBOSHI 26 X 2.125 TIRE
                          17.50
                                  050318
                                        BLACKBURN SX-1 RACK SILVER
                                                             29,00
                                                                        16.00
3121
     SNAKE BELLY 26 X 2.125 TIRE
                                  05033B
                                        BLACKBURN LOW RIDER BLACK
                                                             30.50
                                                                        3141
    IRC RACER X-1 26 X 2.125 TIRE
                          14.00
                                  050338
                                        BLACKBURN LOW RIDER STIVER
                                                             31,50
     IRC RACER X-1 26 X 1.75 TIRE
                                                                        3142
                          14.00
                                  05035
                                        BLACKBURN RACK STRAP
                                                              6.00
                                                                        3201
    26 X 1.75 TUBE
                           2.25
                                  A10001
                                        RITCHEY/MOUNTAINBIKES T-SHIRT
                                                              6.50
                                                                        Rim color Black/Blue/Gold/Red/Silver
3203
     26 X 1.75 PRESTA VALVE TUBE
                           3.00
                                  A10002
                                        "FAT TIRE FLYERS" T-SHIRT
                                                              8.00
                                                                        3203G
    PRESTA VALVE ADAPTOR GROMMET
                           0.50
                                  T0001
                                        1/4" ALLEN KEY
                                                              0.75
                           0.50
                                                                        Magura brake levers.....long/short
3211
     26" RIM STRIPS
                                  T0002
                                        3/8" ALLEN KEY
                                                              0.50
                         130.00
3501A
    BULLMOOSE 1 (WEDGE) LOW
                         130.00
3501B
    BULLMOOSE 1 (WEDGE) HIGH
                                                                        Standard paint is metallic Imron in one of the following ten colors: Medium Jade, Bright Green, Light Rich
                          97.00
3511A
    BULLMOOSE 2 (WEDGE) LOW
                                                                        Blue, Dark Continental Blue, Slate Gray, Pewter Gray, Dark Chestnut, Dark Firethorn (maroon), Dark
3511B
     BULLMOOSE 2 (WEDGE) HIGH
                          97.00
                                                                        Burgundy, Consult an Imron chart for comparisons, Any other Imron color $50 extra.
3552
     MAGURA L476.21 SILVER H/BAR
                          40.50
3559
     BREEZE HANDLEBAR SHIM
                           8.00
                                 RITCHEY MOUNTAINBIKES "EVEREST,"
                                                                             "EVEREST, " Custom Options
                                                                                                          Extra Charge
3560
     STEEL HANDLEBAR SHIM
                           2.00
                                 complete, as described.....$1528.00
                                                                          Extra water bottle mount (specify location)....$20.00
3712
     CHROME BAR END PLUG PAIR
                           0.50
                                 RITCHEY MOUNTAINBIKES "EVEREST"
3801B
    OAKLEY 3 GRIP BLUE
                           7.00
                                                                          Front rack drilling.....$20.00
                                  frameset, with bottom bracket and
3801G
    OAKLEY 3 GRIP GRAY
                           7.00
                                  seatpost quick release installed,
1188
    GRAB-ON MX CORE PAIR
                           3.50
                                                                          Rear rack braze-ons.....$20.00
                                  .....$845.00
3812
    GRAB-ON MX SLEEVE (THIN)/PR
                           2.00
3813
    GRAB-ON MX SLEEVE (THICK)/PR
                           2.00
                                                                          Down tube mud flap bosses.....$20.00
                                 RITCHEY MOUNTAINBIKES "MCKINLEY,"
3814
    GRAB-ON MX-2 POAM GRIP/PR
                           4.00
                                  complete as described.....$1211.00
3821
    MAGURA POW-R-GRIP/PR
                           5.95
                                                                          Full cable tunnels.....$30.00
3822
    MAGURA SURGICAL RUBBER GRIP/PF 5.50
                                  RITCHEY MOUNTAINBIKES "TAMALPAIS,"
    MAGURA LARGE FLANGE GRIP/PR
                           4.50
                                                                        SUNTOUR MP-1000 sealed bearing pedals......$47.00
                                  complete as described......$1064.00
3824
    MAGURA SMALL FLANGE GRIP/PR
                          4.50
4001B
    MKS BM-7 PEDALS BLUE
                          19.50
                                                                        TTTRCN MK-RADIAL "BEAR TRAP" pedals.....$47.00
                                  RITCHEY MOUNTAINBIKES "SIERRA,"
4001G
    MKS BM-7 PEDALS GOLD
                          19.50
                                  complete as described .....$820.00
4011B
    SUNTOUR MP-1000 PEDALS BLUE
                          49.00
                                                                        HURET DUOPAR TITANIUM rear derailleur......$62.00
    SUNTOUR MP-1000 PEDALS GOLD
4011G
                          49.00
                                  RITCHEY MOUNTAINBIKES TANDEM,
4021
    SR MP-130 PEDALS SILVER
                          18.00
                                  complete as described.....$2275.00
4031
    MX-RADIAL (BEAR TRAP) PEDALS
                         65.00
                                                                         Total on custom options..... $ _____
4031B
    MX RADIAL PEDAL BEARING PAIR
                         10.00
                                  RITCHEY MOUNTAINBIKES TANDEM
                                                                         1201
    CAMPAGNOLO RECORD HEADSET
                          36.00
                                  frameset, with bottom brackets and
201A
    CAMPAGNOLO HS FORK CROWN RACE 7.50
                                                                         seatpost quick releases....$1379.00
1201B
    CAMPAGNOLO RECORD HS BEARING
                                                                         2, 25
    CAMPAGNOLO SUPER RECORD HS
                                                                         51.00
                                  RITCHEY MOUNTAINBIKES II frameset,
    EDCO COMPETITION HEADSET (ENG) 43.00
                                  with bottom bracket and seatpost
231
    600EX HEADSET ENG
                          18.00
                                  quick release installed ..... $544.00
1241
    HATTA SWAN HEADSET ENG
                          14.00
                                                                                                  (Office use only)
                                  RITCHEY MOUNTAINBIKES "SIERRA"
1301
    MAFAC CANTILEVER BRAKE SET
                                                                            Order # _____ Date _____
                                                                                                                      Check # _____
                          19,00
                                  frameset, with bottom bracket and
    MAFAC BRAKE PAD AND HOLDER
                          1.25
                                  seatpost quick release installed ..
    MAFAC BRAKE CABLE STIRRUP
                          1.30
                                                                         Customer Name_____
                                  $448.00
1301C
    MAFAC BRAKE SPRING PAIR
                          0.60
                                                                         Address _____ Apt, #____
1301D
    MAFAC BRAKE ARM PAIR
                          4.50
301E
    MAFAC BRAKE MOUNTING BOLT
                          0.25
                                                                         City/State/Zip____
301F
    MAFAC FRONT BRAZE-ON PIVOT
                                   Prices effective July 1, 1982, and
                          0.60
301G
    MAFAC REAR BRAZE-ON PIVOT
                                   subject to change at any time.
                          0.60
301H
                                                                         Phone ___
    MAFAC FRONT CABLE CORE
                          0.60
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DT ZINC #14 SPOKES 270MM/72

04301J

MAFAC CABLE HANGER PAIR