

ATTITUDE

versy. His unique oversized alumi-num bicycles have garnered more than their

and he/Sile have gardered more has their first hare of pairs and criticion, innovation and mination, aesthetic kudos and ught haring comments, and through it all Klein divides the state of the kinds and the state of the kinds and the state of the kinds and the state of the kind, which are now a trademark of the kind, which are now a trademark over it always no readily accepted. What the stoffers didn't realize was that the jumbs of the kinds and the state ly recognized the alloy's potential, but he

DID HE INVENT IT?

chainstay bikes, titanium featherweights and multi-material composites, the Attitude out-

FIRST STOP: THE TRUCK SCALES are wonderfully light, but not too durable. Past Klein "diet" bikes didn't weigh much.

but what you saved in pounds you took in modified shops. Not so for the Attitude!

Hitting the infallible MBA scales at 23.75 pounds (with water bottle, cage, clips and strapp), the Attitude is incredibly airy. There are no time trial parts, drilled derailleurs is required with "real" parts, the kind you could actually risk going off with fore a day in the trial yours, the with you in the WANT EME PORSS.

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they would failigue from the flex and that they would be uply. The Klein Artitude's forks ore uply. Do make aluminum forks strong enough to make the far arou of riding with alloy blades you have to make them he, the thought of putting really "bley" forks the property of the property of



KLEIN



Airy, agile, mobile and aggressive are the first things a rider notices about the 23.75-lb. Klein Attitude.

facturers would call it a 17.25-inch frame. Take our word for it—it's a 19. The head angle is a contemporary steep 71 degrees, while the seat tube is a relaxed 72.5 degrees. Relaxed seat angles weren't popular with the "steeper-is-better" crowd over the last few yexpers, but are definitely making a comeback (it makes you want to congratulate the build-

ers who never strayed from them). Top tople length was a little shorter than many test riders would have liked (22 Sinch-sol and was matted of a four-inch-reach stem. The standower height (measured from the ground to the top of the top tube at the daway point) was 29.25 inches. With this standower height our Klein frame could accommodate riders with 80.5-kin frame could be successful to the state of the standown of the standown of the state of the standown of the sta

Chainstays are 16.75 inches long and are perfectly maned to the slack 72.5-degree seat angle. Remember that a slacker seat angle positions the rider's weight further back than on a steep (73- to 74-degree) seat, so ultra-short chainstays aren't necessary to guarantee good climbing traction.

BARGAIN BASEMENT: WHAT WE DIDN'T LIKE

We did like the three water bottle mounts. It is something that every serious trail blike should have. The extra water bottle boss can carry more fluid for expeditions or serve as a mount for pumps, tool kits, air cartridges or chain lube. Another plus was the Klein



Klein is more rigid. A great combination.



KIFIN

fender mounts (people do ride in rotten conditions). The three water bottles and fender mounts would make the Attitude a great expedition, touring or camping bike, except for one thing-no rack mounts.

Our test bike came with a Lycra-covered Turbo saddle. We have a box full of ripped Lycra saddles in the palatial MBA workshop, and expect the Klein's to be joining the pile after the first big crash. We prefer saddles that are covered better than the rid-

ers sitting on them.

Chainring clearance is so severely limited that the 46-tooth big ring is the biggest ring the Klein will accept without some ground aluminum chips coming off the chainstays, Among the many reasons that elevated chainstay bikes were developed was to give mud clearance, chainring clearance and to lessen the damage caused by chainsuck. The Klein Attitude gained mud clearance at the expense of chainring clearance and added a steel plate to cut down on chainsuck destruction. The bottom bracket area is a compromise under any circumstances, but the larger tubes of aluminum require more compromises. Overall, Gary Klein made the best of a crowded situation and the Attitude addressed two out of three problems.

INFORMATION BOOTH:

WHERE WE'RE AT No need to hedge any bets-we like the Klein Attitude. Sure, we have a few quibbles, but that doesn't lessen the sheer joy of throwing a leg over a bike that is on the cutting edge of bike design. You have to respect Gary Klein for his willingness to sacrifice the traditional look of the classic bicycle to gain some improvement. The fat look, whether you are talking about frame tubes, forks, headsets or stem/bar combos, is stamped with Klein's signature. Big doesn't mean heavy, however. At 23.75 pounds the Attitude is three pounds lighter than most hardcore mountain bikes, and as light as the majority of wonder metal bikes.



nopoly: The Attitude uses nar Compe 986 cantilever brakes on the rear because they stick out less than the Shi-mano brakes. The narrow-profile Dia-Compes avoid heel clipping. Good thinking



nsuck: Given the limited clearance that are imposed by the use of oversized aluminum tubes, the Klein has a special Chain Control Device (CCD) that keeps the links from grinding through the bottom

It's not a show bike that will crack or explode when you take it off its pedestal. The light weight wasn't attained by taking shortcuts in strength. It's a real dirt bike

In a nutshell, the concept behind the Attitude is that the bigger you make the tubes the thinner you can make the walls. Thinwalled, oversized tubing is lighter and stronger than regular-diameter thick-walled tubing. The formula is a matter of finding the balance among fat, strong and light. That's what Klein is famous for. The formula is

almost proprietary to Gary Klein. We'd give a rough estimate that Klein's oversized aluminum tubing offers the equivalent strength and feel to 1.125-inch chro-

moly (at quite a weight savings). OUT THE BACK DOOR: THE RIDE

We said it was a real dirt bike; we meant it. The shortish top tube gives the Klein an agile feel that plays perfectly with the fact that the Attitude is agile. The weight (or lack of it) is noticeable immediately. For rollies that you burned over on your 27-pound bike, you can now skim the top of in a gear taller on the Attitude. It jumps when you pedal, it whips when you jump and you smile when the terrain requires quick movements.

We thought, and we had pretty solid theoretical support, that the Klein would be harsh. Our expectation was based on the fact that the oversized tubing (even if it is made out of aluminum) was going to make a rigid, non-absorbent and stiff bike. The innovative aluminum forks have to be stiff, we figured, because they must be over-engineered, and any bike with a 1.6-inch steerer tube is going to resist giving. Not so. The complete bike responded to the whoops and undulations of rough ground with a firm but pliant feel. It was no rubber hand, but it was soften than we expected, which proves that theory in bicycle design is not as important as the magic that a builder can add to a frame.

Good geometry, light weight and solid components (Shimano Deore XT) make the Klein one of the finest-looking, most innovative and detailed bikes we have tested in a long time. It's almost a shame to take this work of art into the brush and rocks of the real world, but it would be a bigger crime not to enjoy every moment at speed. Dings and scratches are signs of off-road happiness. What was the best thing about the Klein? Not having to stop and tighten the headset-ever!