WE BUILD

A germ of an idea becomes a disease of the mind



We had kicked around the concept of times. A blook we would start by complaining about what was wrong with our current scoots and then sander off into a dream sequence about what our perfect block current scoots and then sander off into a dream sequence about what our perfect block management on the "Ultimate Mountain Bide" for months on end, but every week bechanged his tot of coolest part Cury Fishment and the second of the control of

just moved into a brand-new factory. Joi was so proud of his new digs and his ne frame jig that he was constantly telling t "If you ever have a design you want me build, let me know. I'll build it for you

HE KEPT REPEATING IT

John Farker is a unique individual, and one look at his Vite mountain bits will fell, you that he knows what of frond edding is, they were the heavest what of frond edding is, they will be a limit of the control be the order of the control be the order of the control be the control between the control bet

As pieces of graph paper flew around the office, John stood there in amazement as we whipped a drawing on him. "This is what we want!"

WHAT DID WE WANT?

First Off, we wanted a steel frame. No offerest to carbon fiber, aluminum, ifianium or sandwich material, but chromoly geresitis the chapers, most reliable and easiestto-work-with tubing around. Because we were going to take a few liberties with the classic diamond-shaped bicycle frame, we detected to go with Planke's faworite tubing straight gauge, aircraft-quality, certified rethromoly tubing. It's strong, Incredibly

Secondly, during MBA testing of the hottest designs of 1983 we were impressed with several innovative design features. Elevated chainstays gave the infor maximum tire clearance, beaucoup chaining compatibility, no chain suck and no clatter. We felt that elevated chainstays were a design feature that we wanted as an integral part of our personal

THEBIK

We also vanied a removable rear subsection. The ability of the main triangle with a both-on rear triangle (seet and chainstry) would allow us to use different tubing shapes, replaceable components and plan for future replaceable components and plan for future states of the state of the stat

Second Se

or "unobtanium."

For forks we opted to go with ultra-sano bit straight-blade forks. Beit forks look large and heavy, but don't be fooled. The Joseph and heavy but don't be fooled. The Joseph and heavy but don't be fooled to like heavy for configuration that is among the lightest forks on the market. Fork of field is on eithe. Our past experience with beit forks prowed that they are strong and durable, while being super absorbent at speed. For more information contact Pett Cycles, 5300 Derry Awe., Unit Q. Agourn.

Hills, CA 91301, (818) 707-4498. WHAT WE HAD &

WHAT WE'LL CETT
Step one was producing the prototype drawings. We did this in about 30 minutes (fly out don't count the year of discussions). It is important to note that, in scribbing out the original selectes for the MBA of if-road project, we didn't resolve any design conflicts. No thought was given to the workability of any component that might be at the conflict of the country of the conflict of the country of the cou

didn't have to!

We handed the sketch to the man from Yet. He thought it was a neat idea, foresaw lots of problems, tried to talk us out of a few features and then said he'd be glad to build the special one-off frame. "Good," we said, "you have a month to make it work!"

John Parker smiled, laughed, grabbed the sketch and headed for the door. "See you in a month," he yelled as he burned rubber in his GMC Suburban wagon with the bikes on ton

Stay tuned! Next month we build our "bike of the future"!









BUILDING THE ULTIMATE BIKE

RT 2 From scraps of paper & a pile of tubing . . .

Jody Wels

Last month the MBA weeking even put pen to spaper and watched out a frame design. The challenge was to design and build, in a three-past stort, a mountain blick highlighting innovative featurer that will become part of the mountain blies of the VBA. The sketch was radimentary, including only the basic tube layout, raw geclaring only the basic tube layout, raw gelectical components. The MBA test vers handed the drawing over to Vett Beyer. It was left up to Vett to turn our imagination into TIG widdled, charmody realing.

the STUD STATE FRAME BIO.

The task of baiding the frame was left up to Yes's Chris Hursing. Chris had so resolve all of the dilements had our critical and not taken into consideration. We wanted elevated chaintages, a banger bottom benefit carried as a raised down tube, top-driver cables (all raise), their brothinton oversite headset, custom disposats, alloy sed chains and had to make our wants and desires not only go together, but also fall into some semblance of practicality and function.

Constructing the prototype farme is to rough task one with a constructional fasting but when you push the customers of the design envelope you increase the difficulty ten fold. Christ 'graftsmasship in mitering tokes manipulating the forms if gard hand build ing one-off components resulted in a strik ing layout of tubes for Frank the Welder, Vieil's in-bouse torch artis, to TIG together. ST THE PHONE.

Chris and Frank never made a move on the frame without giving the MBA wrecking crew a call. Did we want the bottom bracket angle to be parallel to the seat stays?

No. Should the chainstays extend up onto the down tube? Yes. How many water bottle bosses? Two. Did we want all three cables to run down the right side of the top tube? Yes

Yeti went all out to build us our dream bike. They took time out of their busy schedule, time they could have used to build their highly sought-after Yeti Team bikes. Yeti doesn't normally do custom frame prototyping to dreamers' sketches—we had to buy lunch at a Mexican restaurant as payment. Additionally. The Tomore possibility high

lanch as Mexican relationaria of payment, lanch as Mexican relationaria of payment, land has perfectly a subject of the payment of the paymen

Wit's seam of four (John Parker, Chris Hurting, Frank the Welder and Eric Hurting) produced the frame, with the aid of Fisher and Time Emper, in the seat amount of time we had requested. On the appoint old yet the Emper in the seat amount of time we had requested. On the Ambullation of the Medical Control of the Medical

PARALLEL THINKING

1990 HARO MONOTRAC FRAME

 Mountain bike frame design is a rapidly cooling field of expertise. As the MBA wrecking crew was blaeprinting specifications for its 'Ultimate' off-road bicycle. Bob Haro and Dean Bradley Federal-Expressed us a sketch of their 1990 Haro Mondifare frame. Surprisingly, it shared the same basic concepts that we had included a state of the MBA of the MBA of the MBA down design. Elleward thatments, as it down disparent the state of the MBA of the days of the MBA of the MBA of the MBA of the MBA of the tailly aren't recordinary designs of the MBA.



test crew; we borrowed our concepts from Cunningham, Trimble, Fisher and Yeti. But it is encouraging to see that manufacturers like Haro Bicycles are moving toward prototypes with innovative new designs for the future. The Haro MonoTrac will be for sale in 1990. *