

# EASTERN WOODS RESEARCH

Way-Cool Mountain Bike Stuff

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EAST WOODS

FORM follows Function which follows STYLE which follows Function which follows GRACE which follows FUNCTION which follows SPEED [which usually means SCARS] which follows Function which follows POWER which follows Function which follow GUTS & GLORY which follows Function which follows SKILL which-of course-follows Function.



**THE IMPORTANCE OF GOOD DESIGN**

# HELLO & WELCOME TO EASTERN WOODS RESEARCH

We are an American company devoted to designing and producing the highest quality off-road cycling products. Based in eastern Pennsylvania, E.W.R. is located in the center of the sweetest and most brutal riding imaginable. Our diverse design philosophy is based on years of riding and competition experience in the harshest of environments,...and sitting around in trendy coffee houses,...bench racing.

## THE IMPORTANCE OF GOOD DESIGN

A quality-driven, no-nonsense approach to our business is what we believe in. We are forever designing, testing, and refining our products. The punishing riding by Team Voltage Snakes/E.W.R. provides invaluable feedback in our drive to create flawless, functional products (WE'RE ON IT!). All of our frames are handmade to our strict quality control demands, and our E.W.R. custom fixtures are second to none.

Details on E.W.R. frames are crucial from start to finish. Handmade in the U.S.A. is the only way to go. Customer service is handled by someone who understands your needs—we're riders, too!. Paintwork is from the guns of Bryan Meyers at Fresh Frame and is the absolute finest in the industry. Our E.W.R. stock paint would be custom anywhere else. With his colour and design creativity, Bryan's custom work will make your head spin. Custom frames, paintwork and complete dream bicycles are all up to your desire...

## JUST WHAT IS THIS EASTERN WOODS RESEARCH?!

"Say, those frames sure lay low" you say. There are distinct reasons why our frames are the way they are (but hey, unique with purpose builds character).

Even our trials bike has that look.

Ride Quality, Clearance, Suspension...

Suspension?! Read on...

I believe that the frame you select should enhance your mind and body experience. It should be the catalyst of self-expression, that which enables you to stand out in a crowd. Or in this case, ride away from the pack, probably in a bodacious wheelie. The ride of a frame is the soul of a bicycle—

our frames are designed to free your soul.

## WORD ABOUT RIDABILITY

(OR THE ABILITY TO SLAY (heh-heh)) . . . .

You've heard it before... "Short chainstays make unhitched descenders. Steep angles are hard to ride. Stiff frames beat you up." I want to tell you, all EASTERN WOODS RESEARCH mountain frames do indeed have short rears, aggressive geometry, and seriously stout, oversized tubesets. We also throw longer front ends and a 12.5 INCH bottom bracket height into the mix. E.W.R. frames are designed to handle. A frame should be a means of flaunting your self-expression. It should exaggerate your desire to get big air, motor through that corner, grab a handful! Exhilaration is the spice of life, and is built into every one of our frames.

SHORT REARS allow for climbing tendencies not unlike that of an Atlas Missile, and the acceleration of a top fuel dragster. The short rear makes the front end snap up with minimal effort, and creates a stiffer rear triangle.

AGGRESSIVE GEOMETRY is fun to ride. Nimble in singletrack, agile in the rocks, and you can out-corner a snake,...or your opponent in the slalom gates.

LONG FRONT TRIANGLES getcha nice and stretched out, and give you the stability of the Singletrack Gods. A skilled descender with a comfy stance for long days in the saddle. (Rocket Sled?!)

12.5 INCHES is the magical number. High enough to cruise over trail nasties and to pedal deeper into corners. You stay ON the gas.

SLOPING TOP TUBE design is the last design feature, and an Eastern must. It also bolsters our already stout front end. Finally, the long seatpost extension does an amazing amount of shock absorption, keeping you happy on the longest of rides.

## WHAT ELSE?

We offer a lot of other things for the soul rider in you. Custom paintwork, braze-on options, complete bicycle packages, T-shirts and much more...

Custom work will of course require more time to complete. Call with your ideas and we can give you a prompt estimate.

So now you know the scoop on us. Read on and check out our stuff. I hope you appreciate and like things that are unique and designed with purpose. I think you will like what you see.

#### THE ORIGINAL WOODS BIKE:

HEAD TUBE ANGLE  
SEAT TUBE ANGLE  
CHAINSTAY LENGTH  
BOTTOM BRACKET HEIGHT

72 DEGREES  
73.5 DEGREES  
15.9 INCHES  
12.5 INCHES

HEAD SET  
BOTTOM BRACKET SIZE  
SEAT POST SIZE  
FRONT DERAILLEUR  
DROP OUTS  
REAR BRAKES  
CABLES

1 1/2" OVERSIZE  
68MM ENGLISH  
26.8 MM  
125CLAMP, TOP PULL  
LASER CUT, REAR ENTRY  
CANTILEVER  
ALL TOP DRIVEN

1 1/2" OVERSIZE  
68MM ENGLISH  
26.8 MM  
125CLAMP, TOP PULL  
LASER CUT, REAR ENTRY  
CANTILEVER  
ALL TOP DRIVEN

HEAD SET  
BOTTOM BRACKET SIZE  
SEAT POST SIZE  
FRONT DERAILLEUR  
DROP OUTS  
REAR BRAKES  
CABLES

1 1/2" OVERSIZE  
68MM ENGLISH  
26.8 MM  
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LASER CUT, REAR ENTRY  
CANTILEVER  
ALL TOP DRIVEN

HEAD SET  
BOTTOM BRACKET SIZE  
SEAT POST SIZE  
FRONT DERAILLEUR  
DROP OUTS  
REAR BRAKES  
CABLES

HEAD SET  
BOTTOM BRACKET SIZE  
SEAT POST SIZE  
FRONT DERAILLEUR  
DROP OUTS  
REAR BRAKES  
CABLES

## Original Woods Frame

The ORIGINAL WOODS BIKE is quite possibly the most fun bike you'll throw a leg over. The unique design and geometry is a result of many years of experience, riding, and testing to produce a frame that could handle the demands of my riding style. First of all, the frame is designed and lavishly hand-built to withstand the demands of an aggressive rider - real oversize tubing, massive triangulation, bullet-proof REAR- entry drop-outs (land on 'em. No prob.), and flawless construction. The ride is as unique as the look - short rear, long front, high B.B. and aggressive angles make it quick, nimble in singletrack, easy to jump, a BLAST to ride. The stout feel puts your power to the ground and keeps you tracking straight, even in the gnarliest rocks. Prove it? Multiple race victories and TWO NORBA National Trials\* titles don't lie.

- \* 1993 National Number One Pro-Stock Men, Jeff Lenosky
- \* 1993 National Number One Junior Stock Men, Shawn Miller



**E-MOTION RACE FRAME/E-MOTION B2**  
 HEAD TUBE ANGLE 72 DEG.  
 SEAT TUBE ANGLE 73.5 DEG.  
 CHAIN STAY LENGTH 15.9 IN.  
 BOTTOM BRACKET HEIGHT 12.5 IN.  
 E-MOTION—430 AIRCRAFT CRO-MOLY  
 E-MOTION B2—TRUE TEMPER OX III

**HEAD SET**  
 BOTTOM BRACKET SIZE  
 SEAT POST SIZE  
 FRONT DERAILLEUR  
 DROP OUTS  
 REAR BRAKES  
 CABLES

**123CLAMP, TOP RULL**

**1/2" OVERSIZE**  
 68MM ENGLISH  
 26.8 MM  
 BREEZER  
 CANTILEVER  
 ALL TOP DRIVEN

**SIZING:**  
 SMALL  
 MEDIUM  
 LARGE  
 XL (CUSTOM ORDER ONLY)

**EFFECTIVE TOP TUBE LENGTH**  
 21 1/2 IN.  
 22 1/2 IN.  
 23 1/2 IN.  
 24 1/2 IN.  
**BLOOD RED FINISH:**

# E-Motion Race Frame

Racing is the business and business is good.

Featuring a slightly longer and taller front triangle than the Woods Bike, you'll be ready to rock and roll to victory on the E-Motion. Our long front end assures unsurpassed stability and long term comfort (hey, racing shouldn't be a pain!), and the 72 degree head angle makes direction changes a snap. Out back, a short stiff rear triangle provides explosive power and acceleration, and helps you slice through the tightest singletrack. Clearance is another Eastern must. Standover height on our Large (19") frame is 24.5", and our "forgiving" bottom bracket height lets you pedal where others coast, getting the power down in turns and the rockiest of trails. Other cool touches are the sweet Breezer drop-outs, completely top driven cables, and a seriously deep paint job.

Though built with the demands of cross country racing in mind, it is tweaked in that E.W.R. way. Start up front with a positively rigid front triangle and oversized tubing (custom tailored to each frame size). Big tubes (2.0" downtube on the large) and a low front triangle create a true no-flex chassis - precise high speed control, no power loss during acceleration, no mountain too steep! BUT, "in the saddle" feel is plush due to the long seatpost extension. Still the best value in bulletproof race frames...

The E-Motion B2...is the next progression. Utilizing a True Temper OX III front triangle, this frame is a sleek version of the E-Motion. Because YOU need a light race frame with a whole lotta soul...and 4.2 lb. body. This is a serious machine with one thing in mind, and that is being first to the finish.





THE METTLE ALUMINUM TRIALS  
 HEAD ANGLE  
 SEAT ANGLE  
 TOP TUBE LENGTH  
 CHAINSTAY LENGTH  
 STANDOVER

TOP SECRET  
 (SANS)  
 SORRY  
 LONG  
 LOW

CONSTRUCTION  
 MATERIAL

LOVINGLY HAND  
 TIG WELDED  
 6061-T6 HEAT TREATED  
 ALUMINUM

HEAD TUBE SIZE  
 RAKES

1 1/2" O.S.  
 CANTER HYDRO

# Mettle Aluminum Trials

When it is time to prove your mettle, you'd better have the right frame. Today's trials has riders doing moves that were unheard of only a few short seasons ago. The METTLE Aluminum has the right combination. Beefy 6061 Aluminum Aircraft tubing and CNC drop-outs precision mitred and TIG welded into the most progressive design to date. Our frame geometry means a unique blend of balance, efficient power transfer and ergonomics, and explosive take-off necessary for that big move.

The METTLE Aluminum continues the E.W.R. heritage of low slung, long, and strong. You have the room to groove and the stiffness to get the power down. Our rear triangle is slightly longer for more leverage and power to leap all bounds. AND our JUDAS cro-mo fork won't betray you upon reentry. Finally, carefully gusseting and intelligent design ensures maximum durability for the confidence you demand and expect.

The METTLE Aluminum is available as a frameset or complete bike. For more info. on trials in the U.S., please call us...



SO THAT'S ALL;  
FOLKS —  
I HOPE YOU ENJOYED  
YOUR **JOURNEY**  
**T H R O U G H**  
EASTERN WOODS RESEARCH.  
NO HYPE, NO BULL—THAT'S  
OUR STYLE. BIKES WITH  
**SOUL...**



**IF YOU WANT MORE  
INFORMATION—OR TO  
ORDER ONE OF OUR COOL  
FRAMES—PLEASE CALL  
OR WRITE US AT:**

EASTERN WOODS RESEARCH  
945 MONOCACY STREET  
BETHLEHEM, PA 18018  
PHONE/FAX (610) 868-9331



**A WORD ABOUT THIS BROCHURE:**

I would like to thank the following: walter smith and donna chiarelli, who do awesome photo works; chris neyen and liz reap, who are tireless designers; wally brown and the gang at brown printing; john b., c.k. and paul for the snag; dondo for additional photo stuff; josh taylor for not riding like a squid; and thanks to everybody else who—past, present, and future—helped put it together.

***EASTERN WOODS RESEARCH***



**FEAR IS  
YOUR ENEMY.**

**PAIN IS YOUR  
FRIEND.**

**ENR**