

<b>CHRIS BANTA</b> <b>MARIMBA</b> <b>EROICA</b> TECHNICAL SPECIFICATIONS					
	ORDER	1	2	3	4
	PITCH	F (+14 CENTS)*	C (+16 CENTS)*	E (+33 CENTS)*	A (+31 CENTS)*
	FREQUENCY (RATIO)	22Hz (9/5)	33Hz (27/20)	42Hz (12/7)	56Hz (8/7)
	OVERALL LENGTH	103"	85"	61"	51"
	OVERALL THICKNESS	16-1/2"	14-3/4"	14-3/4"	14-3/4"
	OVERALL HEIGHT	65"	63"	62"	61-1/2"
	BAR LENGTH X WIDTH	90-1/2" x 9-7/8"	77" x 10"	65" x 8-7/8"	55-1/4" x 8-3/4"
	WEIGHT	293 LBS	230 LBS	172 LBS	152 LBS

	BARS	RESONATORS
MATERIAL	SITKA SPRUCE (QUARTER-SAWN) (HARD MAPLE HANDLES AND BAR MOUNTS)	BIRCH PLYWOOD
FINISH	MINWAX SPAR URETHANE, CLEAR COAT, WATERBASE SEMI-GLOSS	STAIN: OLD MASTERS WIPING STAIN: CHERRY CLEAR COAT: VARITHANE, POLYURETANE OIL BASE, SATIN

\* Amount of cents offset to obtain the specified frequency.

**DEBUT PERFORMANCE: "Partch: Eroica Dances" at the REDCAT Theater, Los Angeles, June 7 - 8, 2013, 8:30PM**

## Genesis of an Eroica

Thousand Oaks, CA – Weighing in at 847lbs., the resulting instrument has four pitches: A-56Hz, E-42Hz, C-33Hz, and heaven forbid, an infrasonic super low F at 22Hz!

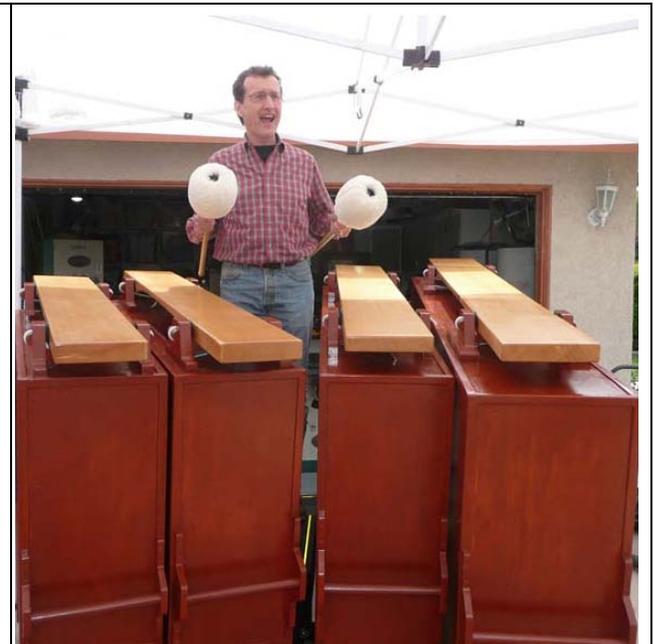
The tone of this low F is not detectable by human hearing. Instead, the ear senses the emitted frequency as pressure pulses. Evidence of its function is manifested by the rattling and buzzing of windows, loose objects hanging on walls, and other easily-disturbed things including humans. In fact, during testing one of the neighbors thought he was sensing the start of an earthquake. He walked next door to my shop and immediately recognized the cause of his disturbance.

This new instrument represents the existence of a second Eroica. Although, rumor has it that a 3rd Eroica has been built, by the group musikFabrik, that will be debuted in Cologne, Germany this coming September. The original Partch Eroica currently resides at Montclair State University.

John Schneider, the founding director of the Grammy® nominated ensemble PARTCH, is testing the new Eroica. *Just think of the Partch compositions we can now start performing with this new instrument!*



Chris Banta: Marimba Eroica Designer and Builder. This instrument took 13 months to construct, from March 2012 to April 2013.



The construction timeline can be seen at: <http://www.ccbanta.com/bass-tone-bars/ChrisBantaMarimbaEroica.html>

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