# ZANE MAHANNA MFA SCULPTURE 11.23.2020-12.11.2020



# COMMITTEE TITLES

**Tobias Flores**, MFA Associate Professor of Sculpture

Erica Bittel, MA Ph.D. Candidate

Gordon Sherman, MFA Instructor of Art

Tim Chapman, MFA President Emeritus FHSU Foundation

**DEAN OF GRADUATE SCHOOL** Dr. Jennifer Bonds-Raacke, MS, RD/LD

DEFARTMENT CHAIR OF ART AND DESIGN Karrie Simpson Voth, MFA

**FRESIDENT OF FORT HAYS STATE UNIVERSITY** Dr. Tisa Mason, Ed. D

Graduate Catalog Master of Fine Arts Degree Fort Hays State University Hays, Kansas 2020

This catalog submitted to the Graduate School in partial fulfillment of the requirement for the degree of Master of Fine Arts.

# HYPERSTATIC

exhibited at the Moss-Thorns Gallery of Art November 23– December 11, 2020.



# ACKNOWLEDGEMENTS

Tobias Flores for the knowledge, support, and opportunity to be a part of this program. The Flores family for their gracious hospitality. My graduate committee for their support and guidance. Department Chair Karrie Simpson Voth. The FHSU Art and Design faculty. The Fort Hays foundry crew past and present. My family, whether blood or iron. Sarah Berens for her love, patience, and support. Last and definitely not least, St. George the iron breaker.



### 1. Barf bag dispenser --Free, take one

Steel, wood, relief print Dispenser 62" x 21" x 23 1/2" Bags 10"x 3"x 5"

### 2. JACKHOLE -\$150

*Collaboration with Toby Flores* Bronze, mixed media 20" x 17" x 5"

### 3. GROTESQUERIES -\$150 EACH

Cast iron, aluminum, bronze Approx. 6" x 3" x 3" (x35) Display 16' x 11" x 33"

**4. ATOMIC ENLIGHTENMENT** -\$450 Cast iron, steel, wood, glass 24" x 11" x 11"

# 5. FULLY BANANAMATIC Assault Rifles —\$375 Each

Cast iron 32" x 9" x 2" 32" x 8" x 2" 31 1/2" 8" x 2" Stand 62 1/2" 20" x 20"

### 6. DON'T TREASON ME -\$300 EACH

Cast iron, steel, relief print 24" x 12" x 1" (x4)

# 7. **PETRI-FRIED** #1 -\$300 Aluminum 16" x 14 1/2" x 2 1/2"

8. ELECTRIC APESHIT #1 -\$200 Cast iron 26"x 21"x 3"

**9. ELECTRIC APESHIT #2 -\$100** Cast iron 9 1/2" x 9" x 1 1/2" **10. FETRI-FRIED #2 -\$250** Aluminum 15" x 12 1/2" x 2"

**11. RUNDRS OF WAR -\$350** Aluminum, steel 25 3/4" x 13" x 5 1/2"

### 12. NAZI PUNKS FUCK OFF!

In the collection of Chuck Householder Aluminum 10" x 8 1/2" 5"

# 13. LITTLE WHITE LIES -\$400

Cast iron, steel, wood 18" x 15 1/2" x 11 1/2"

# 14. POST-INDUSTRIAL CAST IRON ART Regeneration apparatus

In the collection of Chuck Householder bronze, cast iron, steel 69 1/4" x 12" x 12"

### 15. DAMNATIO AD BESTIAS -\$1,200

Aluminum, steel, plastic 55 1/2" x 16 1/2" x 16 1/2"

# 16. ARCHE DE TRADGÉDIE -\$1,400

Cast iron, steel, cement 67" x 6 1/2" x 29"

# **17. ATOMIC SCARECROW** -\$400 Cast iron 22 1/2" x 8 1/4" x 8 1/4"

**18. TITTY BARS** -\$450 EACH Aluminum, steel Square 30" x 3 1/2" x 3 1/2" Small 24" x 4 3/4"x 2" Round 30" x 4 1/4" x 4 1/2"

# CATALOG LIST

### 19. LONGER, WIDER, FIRMER -\$75 Each

Iron, aluminum 7 3/4" x 5" x 5" (x10)

**20. COSNIC FIZZA TORNA** -\$1.200 Cast iron, steel, copper 20" x 20" x 66"

### 21. HOT SLICES -Large \$350 Each -Small \$250 Each

Cast iron, aluminum, bronze Left to Right 12 1/4" x 9 1/4" x 1" 8" x 6" x 1" 10 1/2" x 8" x 1" 8" x 5 1/4" x 1" 8 1/2" x 7 1/2" x 1" 16 1/2" x 11" x 1" 8" x 6" x 1" 10" x 8 1/2" x 1" 71/2" x 51/2" x 1" 7 3/4" x 6 1/4" x 1" 7" x 6 1/4" x 1" 10" x 8" x 1" Rainbow 60" x 120" x 1/4"

### 22. FRANKENSTIEN POUR CUPS -\$25 Each

Cast iron, steel, aluminum, wood Wheel Barrow 64" x 19 1/2" x 25 1/2" Heads 4" x 3" x 3" (x30)

### **23. FUNGUS AMONGUS** -\$4,000 Bronze 78 1/2" x 14 1/4" x 9"

# 24. SLOSS TOSS PRIZES -NFS

Aluminum Cyclops  $16^{\circ} x 4 1/2x 3 1/2^{\circ}$ Artsy Fartsy  $11^{\circ} x 6 1/2^{\circ} x 3^{\circ}$ Goat  $8 1/4^{\circ} x 3 1/4^{\circ} x 3 1/4^{\circ}$ Sloth  $6 1/2^{\circ} x 5 1/2^{\circ} x 3^{\circ}$ All Seeing Eye  $9^{\circ} x 4 1/2^{\circ} x 2^{\circ}$ 

### **25. A VIOLENT ADJECTIVE** -\$250 Cast iron 24 1/2" x 12 3/4" x 5 1/2"

# 26. TOE-TALLY TUBULAR -\$1,000

*Collaboration with Toby Flores* Cast iron, aluminum, steel 62 1/4" x 23" x 54"

### **27. SEND IN THE ASS CLOWNS -\$600** Cast iron, steel

30 1/2" x 10" x 13"

### **28. UZI -\$300** Cast iron, steel 13 1/4 x 14 1/2" x 6 1/2"

**29. UZI -\$300** Cast iron, steel 14 1/4" x 12 3/4" x 6 1/2"

# 30. WAR FIGS / GUILLOTINE -\$3,000

Cast iron, steel, wood, rope Guillotine 10' 4 1/4" x 7' 5" x 17" Blade 34 1/4" x 1 1/2" x 19 1/2" Trough 40" x 37" x 17 1/2" Born and raised in Western Kansas, I belong to the last of an analog generation. Prior to the rise of technological hyper-connectivity, the confines of rural isolation meant that the world of fine art, hidden behind the walls of galleries or museums remained largely inaccessible. Funneled through varying conduits of pop culture, fantasy art, illustration, heavy metal, lowbrow and Kustom Kulture, all became the collective impetus for me to make art in my formative years. The veneration of lowbrow art still remains a large part of my current work.

**HYFERSTATIC** is a designation given to structural elements when internal and external forces acting upon them are unable to be definitively calculated. The integrity of equilibrium therefore remains undetermined. Much of my work is derived through lost wax casting, by pushing materials and processes to an outcome that cannot always be determined. There is an inherent element of chance which will always define the final equilibrium of metal from liquid to solid or idea to form.

The juxtaposition of literal, architectural forms, against the metaphorical, structural, hierarchies that govern society, seeks to question the very nature of humanity's equilibrium often with a dose of comedic elements. The subversive humor manifested in my work is employed not only to make light of serious questions about the nature of existence, but also to disarm the viewer of preconceived notions about the esoteric seriousness of high art.

The literal and metaphorical connotations associated with hyperstatic equilibrium have become the unifying factors in my current work. By constructing sculptural forms that deconstruct metaphorical ideas, I seek to challenge the statically indeterminate nature of reality in a humorous way.

# 1. BARF BAG DISPENSER --FREE, TAKE DNE

Steel, wood, relief print

Dispenser 62" x 21" x 23 1/2"

Bags 10"x 3"x 5"



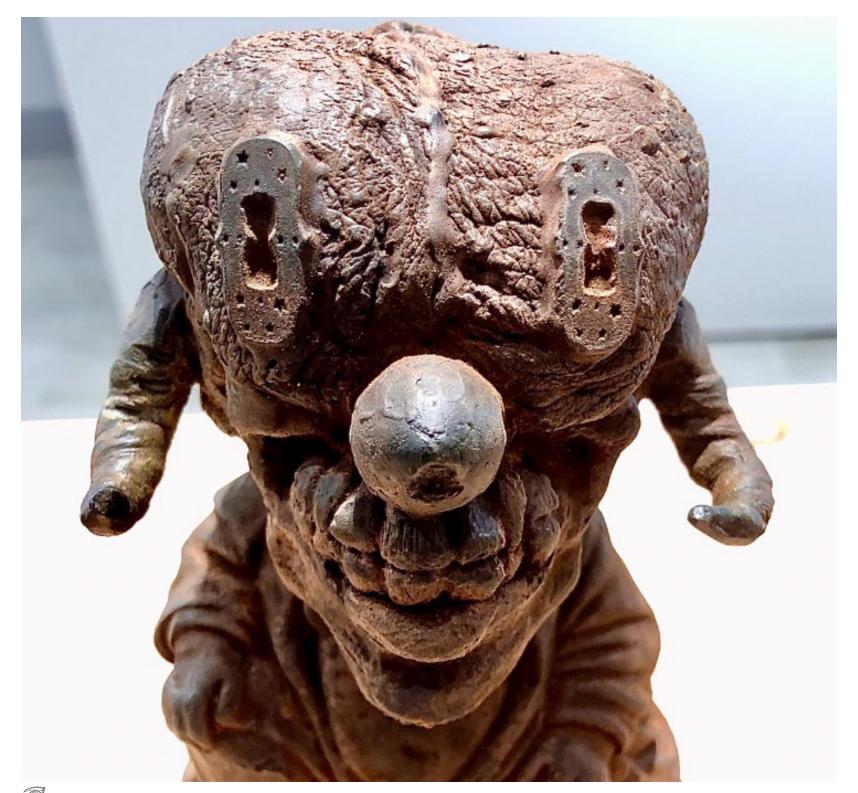


# 2. JACKHOLE -\$150

Collaboration with Toby Flores

Bronze, mixed media

20" x 17" x 5"







# 3. GROTESQUERIES -\$150 EACH

Cast iron, aluminum, bronze Approx. 6" x 3" x 3" (x35) Display 16' x 11" x 33"





















Continued from previous page

# 3. GROTESQUERIES -\$150 EACH

Cast iron, aluminum, bronze

Approx. 6" x 3" x 3" (x35)

Display 16' x 11" x 33"



# 4. ATOMIC ENLIGHTENMENT -\$450

Cast iron, steel, wood, glass 24" x 11" x 11"









# 5. FULLY BANANAMATIC Assault Rifles —\$375 Each

Cast iron

32" x 9" x 2" 32" x 8" x 2" 31 1/2" 8" x 2"

Stand 62 1/2" 20" x 20"





# 6. DON'T TREASON ME -\$300 EACH

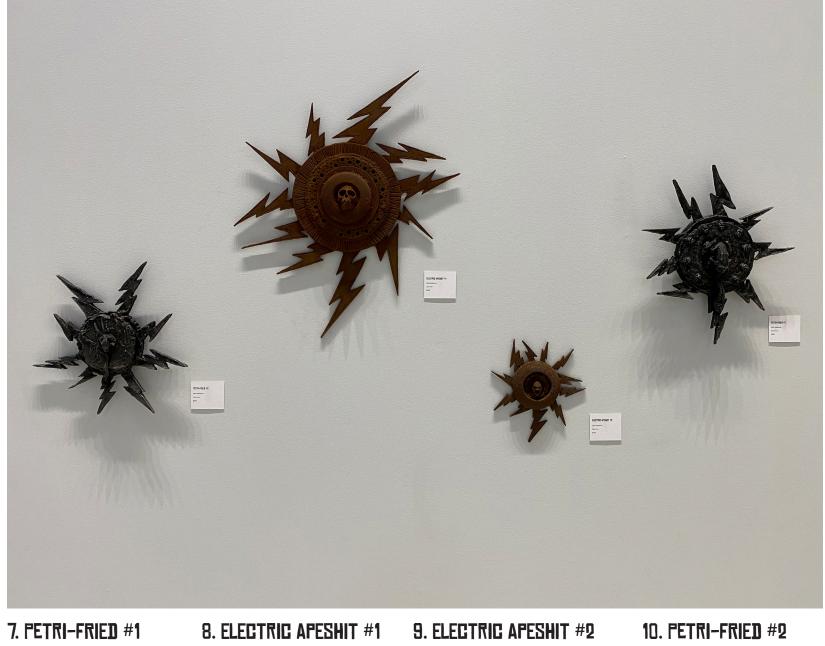
Cast iron, steel, relief print 24" x 12" x 1" (x4)



ELECTRIC APESHIT #2

ELECTRIC APESHIT #1





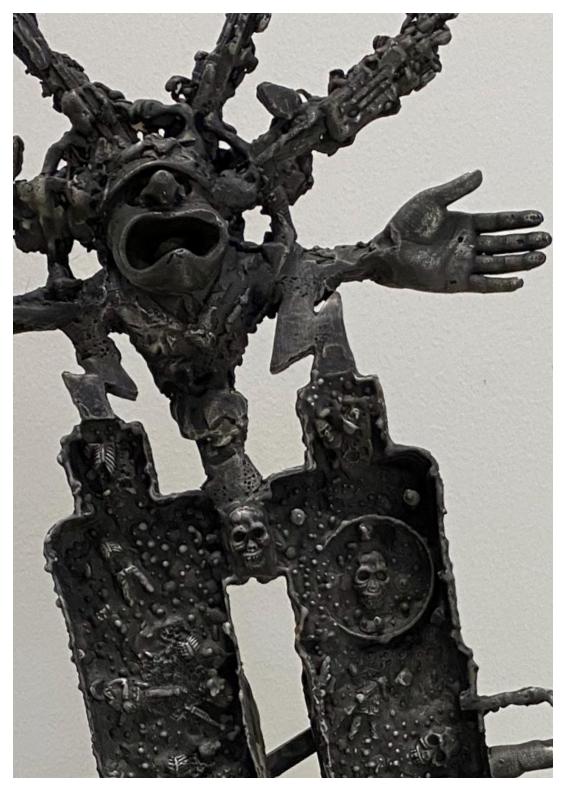
7. petri-fried #1 -\$300	8. Electric apeshit #1 -\$200	9. Electric apeshit #2 -\$100	10. petri-fried # -\$250	
Aluminum	Cast iron	Cast iron	Aluminum	
16" x 14 1/2" x 2 1/2"	26"x 21"x 3"	9 1/2" x 9" x 1 1/2"	15" x 12 1/2" x 2"	

# 11. RUMORS OF WAR -\$350

Aluminum, steel 25 3/4" x 13" x 5 1/2"













**12. NAZI FUNKS FUCK DFF!** In the collection of Chuck Householder

Aluminum

10" x 8 1/2" 5"

# 13. LITTLE WHITE LIES -\$400

Cast iron, steel, wood 18" x 15 1/2" x 11 1/2"

# 14. POST-INDUSTRIAL CAST IRON ART REGENERATION APPARATUS

In the collection of Chuck Householder

bronze, cast iron, steel

69 1/4" x 12" x 12"













# 15. DAMNATIO AD BESTIAS -\$1,200

Aluminum, steel, plastic 55 1/2" x 16 1/2" x 16 1/2"











# 16. ARCHE DE TRADGÉDIE -\$1,400

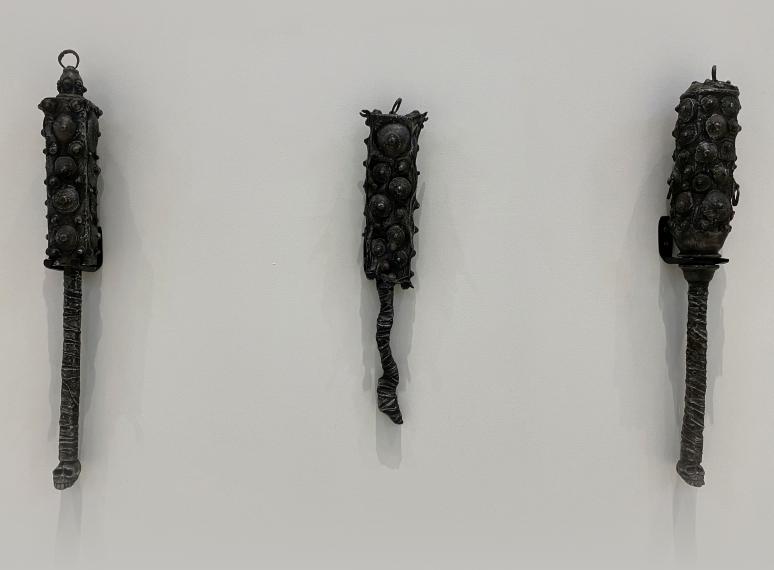
Cast iron, steel, cement 67" x 6 1/2" x 29"











# 18. TITTY BARS -\$450 EACH

Aluminum, steel

Square 30" x 3 1/2" x 3 1/2" Small 24" x 4 3/4"x 2" Round 30" x 4 1/4" x 4 1/2"





# 19. LONGER. WIDER. FIRMER -\$75 Each

Iron, aluminum

7 3/4" x 5" x 5" (x10)





ZANE MAHANNA



# 21. HOT SLICES -large \$350 Each -small \$250 Each

Cast iron, aluminum, bronze

Left to Right 12 1/4" x 9 1/4" x 1" 8" x 6" x 1" 10 1/2" x 8" x 1" 8" x 5 1/4" x 1" 8 1/2" x 7 1/2" x 1" 16 1/2" x 11" x 1" 8" x 6" x 1" 10" x 8 1/2" x 1" 7 3/4" x 6 1/4" x 1" 7" x 6 1/4" x 1" 10" x 8" x 1"Rainbow

Kainbow 60" x 120" x 1/4"







# 22. FRANKENSTIEN FOUR CUPS -\$25 Each

Cast iron, steel, aluminum, wood

Wheel Barrow 64" x 19 1/2" x 25 1/2"

Heads 4" x 3" x 3" (x30)









# 24. SLOSS TOSS FRIZES -NFS

Aluminum

Cyclops 16" x 4 1/2x 3 1/2"

Artsy Fartsy 11" x 6 1/2" x 3"

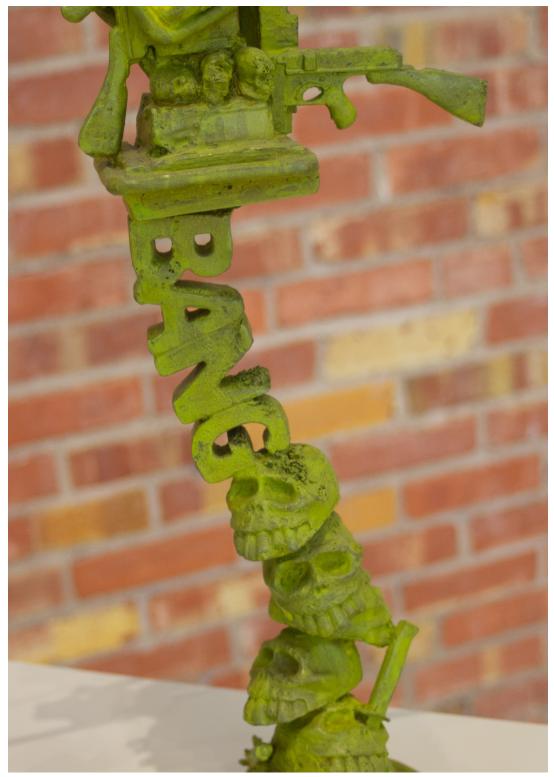
Goat 8 1/4" x 3 1/4" x 3 1/4"

Sloth 6 1/2" x 5 1/2" x 3"

All Seeing Eye 9" x 4 1/2" x 2"







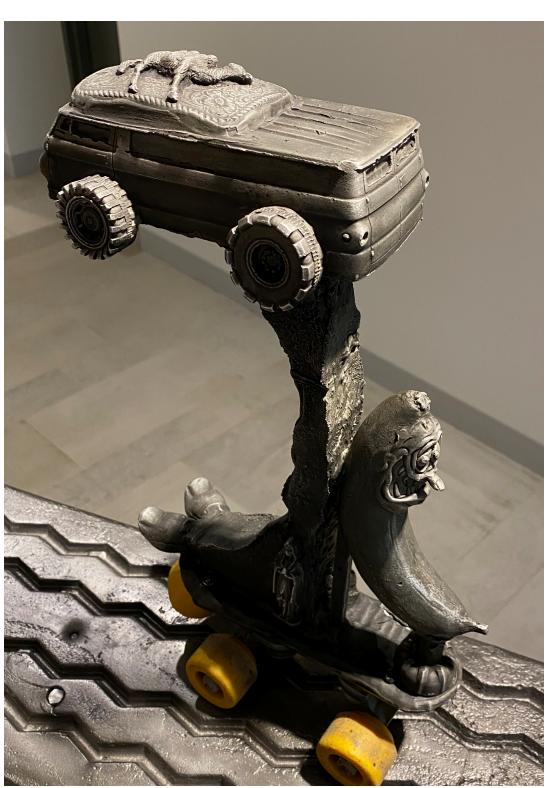


<b>25. A VIOLENT ADJECTIVE</b>	-\$250
Cast iron	
24 1/2" x 12 3/4" x 5 1/2"	

# **26. TDE-TALLY TUBULAR** -\$1,000 Collaboration with Toby Flores

Cast iron, aluminum, steel 62 1/4" x 23" x 54"











# 27. SEND IN THE ASS CLOWNS -\$600

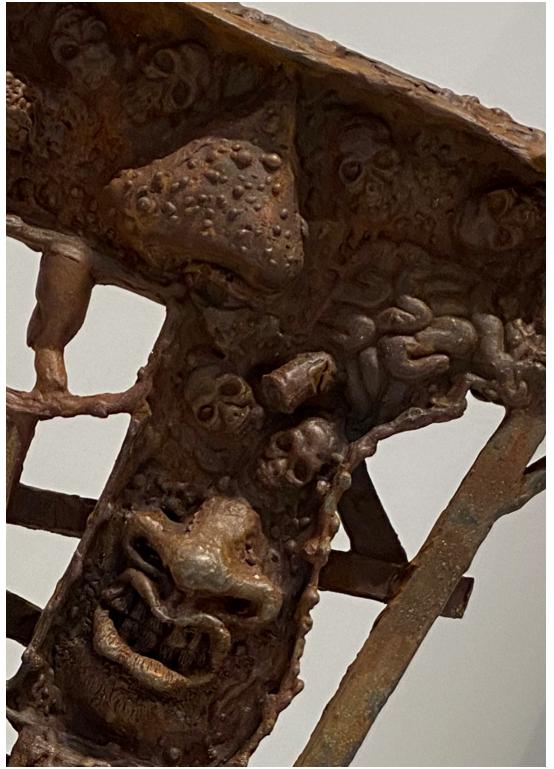
Cast iron, steel 30 1/2" x 10" x 13" **28. UZI -\$300** 

Cast iron, steel 13 1/4 x 14 1/2" x 6 1/2"









**29. UZI -\$300** Cast iron, steel 14 1/4" x 12 3/4" x 6 1/2"



# 30. WAR FIGS / GUILLOTINE -\$3,000

Cast iron, steel, wood, rope

Guillotine 10' 4 1/4" x 7' 5" x 17"

Blade 34 1/4" x 1 1/2" x 19 1/2"

Trough 40" x 37" x 17 1/2"











Born and raised in Kansas, **ZANE MAHANNA** grew up in the small town of Hoxie. A large portion of his adolescent years were spent immersed in the dark arts of heavy metal drumming, fantasy art, and all things lowbrow. While in college at Fort Hays State University, he became involved in the art foundry as well as the cast iron art community. Trading blast beats for the blast furnace, he received his Bachelor of Fine Arts in 2012 with an emphasis in sculpture. After graduation, he stayed active in iron pours, conferences, and exhibitions, throughout the country. In 2017 he returned to Fort Hays State University to pursue his MFA degree. Much of his sculptural work is based in traditional foundry practices and seeks to venerate his lowbrow influences with a heavy dose of humor. While completing his MFA, Zane refined his skills in resin bonded sand molds, lost wax/ceramic shell molds, metal casting, and fabrication. Completion of private commissions through local artists and businesses further built upon his skills in a professional manner. His skill set expanded to include large scale iron casting, resin and plastic casting, life casting, traditional printmaking techniques, and digital drawing. Zane's work has been exhibited in national and international juried exhibitions throughout the country. Upon completion of his MFA, Zane's ambition is to stay active in the cast iron art community and pursue a professional career in the art foundry.



### EDUCATION

2020 MFA Sculpture – Fort Hays State University, Hays, Kansas
2012 BFA Sculpture – Fort Hays State University, Hays, Kansas

### **TEACHING EXPERIENCE**

2017–2020 <u>Teaching Assistantship</u> Fort Hays State University, Hays, Kansas, 3D design, Sculpture I

### TECHNICAL ABILITIES

I am familiar with the maintenance and operation of cupola and crucible furnaces, as well as with foundry mold making procedures including ceramic shell & resin bonded sand. I have knowledge of basic blacksmithing and fabrication skills such as MIG, TIG, & Oxy-Acetylene welding, plasma cutting, and forging. I am skilled in various metal finishing techniques and patina applications. I am highly efficient in wax working as well as plaster, silicone, and fiberglass mold making. I am trained in armature building and oil clay modeling. I have knowledge of resin and plastic casting applications. I am proficient in alginate mold making and life casting processes. I am trained in traditional printmaking techniques including intaglio, woodblock, and monotype processes.

### PROFESSIONAL EXPERIENCE

2017-2021	Foundry Tech	2020-2021	Commission Work
<i>,</i>	Maintaining equipment in the foundry/metal shop,	2020 2021	Mold making, casting, for Deception Decoy Co.,
	monitoring the wood shop and ceramic shell facilities,		Hoisington, Kansas
	assisting students in the sculpture studios,		Troibington, randab
	Fort Hays State University, Hays, Kansas	2020-2021	Commission Work
			Wax working, ceramic shell and resin bonded sand molds,
2017-2021	<u>Gallery Assistant</u>		casting, for The Skillet restaurant, Las Vegas, New Mexico
	Gallery upkeep and maintenance, working with artists to		
	facilitate exhibitions, Taylor Gallery, Hays, Kansas	2008-2012	Traveling Foundry Aluminum Furnace Crew
			Felton Middle School, Hays, Kansas; Hutchinson
2017-2021	Traveling Foundry/Blacksmithing Crew		Community College, Hutchinson Kansas; Vanguard School,
	Traveling to area community colleges and high schools and		Colorado Springs, Colorado; Kennedy Middle School,
	conducting aluminum casting/ blacksmithing workshops.		Hays, Kansas
	Carnegie Arts Center, Goodland, Kansas; Colby		
	Community College, Colby, Kansas; Garden City	2008 – Present	Invitational Iron Pours
	Community College, Garden City, Kansas		Hays, Kansas; Hutchinson, Kansas; Las Vegas, New
			Mexico; Scottsdale, Arizona; Plano, Texas; Laramie,
2017-2018	Commission Work		Wyoming; Kearney, Nebraska; Laumeier Sculpture Park,
	Wax working, mold making, casting, finishing, and patina		St. Louis, Missouri; Crested Butte, Colorado
	work for artist Tim Chapman, Hays, Kansas		

### AWARDS/HONORS

- 2011 Fort Hays State University Student Honors Art Exhibition Scholarship Award, Hays, Kansas
- 2018 John Heinrichs Scholarly & Creative Activities Day Exhibition 2<sup>nd</sup> Place Scholarship Award, Hays, Kansas

WCIAA Student Exhibition, Granite City, Illinois, best of show, juried art exhibition

2019 John Heinrichs Scholarly & Creative Activities Day Exhibition 3<sup>rd</sup> Place Scholarship Award, Hays, Kansas

### SOLO EXHIBITIONS

- 2021 Hyperstatic II, Taylor Gallery, Hays, Kansas
- 2020 *Hyperstatic*, MFA Thesis Exhibition, Moss Thorns Gallery, Hays, Kansas
- 2015 Teenage Wasteland, Main Street Art Walk, Hoxie, Kansas

### **GROUP EXHIBITIONS**

2021 Fortitude and Persistence, Hays Arts Center, Hays, Kansas

*Thick*, ShockBoxx Gallery, Hermosa Beach, California, juried art exhibition

Iron in the West, Burris Hall Gallery, Las Vegas, New Mexico

2020 WCIAA Situational Invitational, virtual exhibition

FHSU Sculpture, Taylor Gallery, Hays, Kansas

2019 John Heinrichs Scholarly & Creative Activities Day Exhibition, Hays, Kansas

Iron Tribe Exhibition, Las Vegas, New Mexico

Abraham Darby's Childhood Toys, Birmingham Alabama, juried art exhibition

Cope, Drag, & Core, Birmingham, Alabama, juried art exhibition

Egg Gravy/Ben is Fat, Garden City, Kansas.

2018 *WCIAA Student Exhibition*, Granite City, Illinois, juried art exhibition

National Small Print Show, Creede, Colorado, juried art exhibition

*I Think It Got Infected & Whatnot*, Ellis County Historical Society, Hays, Kansas

49<sup>th</sup> Annual Smoky Hill Art Exhibition, Hays, Kansas, juried art exhibition

John Heinrichs Scholarly & Creative Activities Day Exhibition, Hays, Kansas

*Fortitude*, Harry Krug Gallery, Pittsburg State University, Pittsburg, Kansas

2017 Russell Original Art Review, Russell, Kansas, juried art exhibition

Advanced Sculpture, Tiger Burger, Hays, Kansas

FHSU Sculpture, High Plains Arts Center, Colby, Kansas

- 2016 Russell Original Art Review, Russell, Kansas, juried art exhibition
- 2014 (Fe)astival, The Arts Gallery, Plano, Texas
- 2012 *Surreal Salon IV*, Baton Rouge Gallery, Baton Rouge Louisiana, juried by Casey Weldon

Six Mile Sculpture Works Art Show, Granite City, Illinois

Western Cast Iron Art Conference Student Show, Hays, Kansas, juried art exhibition

FHSU Sculpture Student Show, Russell Art Walk, Russell, Kansas

*FHSU Student Honors Exhibition*, Moss Thorns Gallery, Hays, Kansas, juried art exhibition

2011 Toby's Celebrated Students Sculpture Exhibition Spectacular, Spring Gallery Walk, Gella's Dinner, Hays Kansas

*FHSU Student Honors Art Exhibition*, Moss Thorns Gallery, Hays, Kansas, juried art exhibition

*Experience and Enthusiasm*: FHSU Faculty and Graduate Students, Mercer Gallery, Garden City Community College, Garden City, Kansas.

### 2010 Six Mile Sculpture Works Art Show, Granite City, Illinois

*FHSU Student Honors Art Exhibition*, Moss Thorns Gallery, Hays, Kansas, juried art exhibition

*Tetanus and Tea: FHSU Sculpture Show*, Robbins Center Gallery, Hays Kansas

2009 Russell Original Art Review, Russell, Kansas, juried art exhibition

*Reach for the Sky: FHSU Sculpture Exhibition*, Robbins Center Gallery, Hays, Kansas

Useless Heavy Objects: FHSU Sculpture Exhibition, Spring Gallery Walk, Robbins Center Gallery, Hays, Kansas

2008 *fourty8: FHSU Sculpture Exhibition*, Robbins Center Gallery, Hays, Kansas

### CONFERENCES/LECTURES/WORKSHOPS

2019 "Laumeier After Dark: Fire and Light," performance pour, Laumeier Sculpture Park, Saint Louis, Missouri

> Sloss Toss Performance, ran a carnival themed ring toss with three other artists in which participants won small sculptures.

National Conference on Contemporary Cast Iron Art, Sloss Furnaces, Birmingham, Alabama

Tools & Techniques to Fight Shrinkage, Luke Dix, Birmingham, Alabama

Swept in Loam: Traditional Bellmaking and Techniques for Patternless Molding, Benjamin A. Sunderlin, Birmingham, Alabama

Alginate Life Casting, Haley Hester & Jameson Evans, Birmingham, Alabama

Fiber Lined Ladles: Lightweight and Hot, Teresa Lind & Tobias Flores, Birmingham, Alabama

Iron Tribe, Las Vegas, New Mexico

Hungry, Hungry, Hippo's, performance pour, Las Vegas, New Mexico

Andrew Androsko Hammer Making Workshop, Hays, Kansas

2018 International Conference on Contemporary Cast Iron Art, Scranton, Pennsylvania

> Hungry, Hungry, Hippo's, performance pour, Scranton, Pennsylvania

Western Cast Iron Art Conference, Granite City, Illinois.

I Am For An Art Panel, Western Cast Iron Art Conference, Granite City, Illinois

- 2017 Mike Riemer Blacksmithing Workshop, Fort Hays State University, Hays, Kansas
- 2015 Iron Tribe, Las Vegas, New Mexico
- 2014 Western Cast Iron Art Conference, Laramie, Wyoming
- 2013 National Conference on Cast Iron Art, Sloss Furnaces, Birmingham, Alabama
- 2012 Western Cast Iron Art Conference, facilitated workshops and pours, Hays, Kansas
  - Six Mile Sculpture Works Iron Conference, Granite City Illinois
- 2011 Iron Tribe Performance Pour, pouring iron into various reaction molds to create a pyrotechnic show for spectators, Las Vegas, New Mexico

Todd Christensen Lecture, Hays, Kansas

2010 Six Mile Sculpture Works Iron Conference, Granite City, Illinois

Toby Flores Blacksmithing and fabrication workshop, Fort Hays State University, Hays, Kansas

2009 Kansas Artisans and Craftsmen's Association Conference Iron Pour, Hays, Kansas

> National Conference on Cast Iron, Sloss Furnaces, Birmingham, Alabama

Drive By Press Lecture and Workshop, Hays, Kansas

Tom Fox Lecture and Workshop, Hays, Kansas

David Lobdell Patina Workshop, Hays, Kansas





FORT HAYS STATE UNIVERSITY DEPARTMENT OF ART AND DESIGN

Forward thinking. World ready.

### Fort Hays State University FHSU Scholars Repository Non-Exclusive License Author Agreement

I hereby grant Fort Hays State University an irrevocable, non-exclusive, perpetual license to include my thesis ("the Thesis") in *FHSU Scholars Repository*, FHSU's institutional repository ("the Repository").

I hold the copyright to this document and agree to permit this document to be posted in the Repository, and made available to the public in any format in perpetuity.

I warrant that the posting of the Thesis does not infringe any copyright, nor violate any proprietary rights, nor contains any libelous matter, nor invade the privacy of any person or third party, nor otherwise violate FHSU Scholars Repository policies.

I agree that Fort Hays State University may translate the Thesis to any medium or format for the purpose of preservation and access. In addition, I agree that Fort Hays State University may keep more than one copy of the Thesis for purposes of security, back-up, and preservation.

I agree that authorized readers of the Thesis have the right to use the Thesis for noncommercial, academic purposes, as defined by the "fair use" doctrine of U.S. copyright law, so long as all attributions and copyright statements are retained.

To the fullest extent permitted by law, both during and after the term of this Agreement, I agree to indemnify, defend, and hold harmless Fort Hays State University and its directors, officers, faculty, employees, affiliates, and agents, past or present, against all losses, claims, demands, actions, causes of action, suits, liabilities, damages, expenses, fees and costs (including but not limited to reasonable attorney's fees) arising out of or relating to any actual or alleged misrepresentation or breach of any warranty contained in this Agreement, or any infringement of the Thesis on any third party's patent, trademark, copyright or trade secret.

I understand that once deposited in the Repository, the Thesis may not be removed.

Thesis: HYPERSTATIC	
Author: Robert Zane Mahanna	
Signature: R. ZAVE MALANA	
Date: 5-1-21	