



Buckminster Fuller: Inventing for Today sheds light on Fuller's legacy as a great inventor whose work resonates in art, science and industry today. The exhibition features thirteen screenprints of Fuller's patented inventions, photos of his architecture classes including working on a geodesic dome with students at Black Mountain College in North Carolina, and Fuller's unique geometric sculpture Duo-Tet Star Polyhedras.

Born in 1895, Fuller worked for more than five decades developing experimental solutions that reflected his commitment to the potential of innovative design to create technology that does "more with less." Throughout the course of his life Fuller held 28 patents, authored over 30 books, and received 47 honorary degrees. While his most well known work, the geodesic dome, has been produced over 300,000 times worldwide, Fuller's true impact on the world today can be found in his continued influence upon generations of designers, architects, scientists and artists committed to creating a more sustainable and viable planet.

Shortly before his death in 1983, Fuller received the Presidential Medal of Freedom, the nation's highest civilian honor, with a citation acknowledging that his "contributions as a geometrician, educator, and architect-designer are benchmarks of accomplishment in their fields."

Lorraine Walsh
Art Director and Curator, Simons Center for Geometry and Physics
Visiting Associate Professor of Art, Stony Brook University

EXHIBITION CHECKLIST

BUCKMINSTER FULLER SCREENPRINTS:

1928 4D House, 1981
United States Patent Office file no. 1,793,
submitted April 1, 1928
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Edition of 59/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

1933 Motor Vehicle-Dymaxion Car, 1981
United States Patent Office no. 2,101,057,
filed October 18, 1933, serial no. 694,068,
granted December 7, 1937
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Edition of 59/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

Prefabricated Dymaxion Bathroom, 1981
United States Patent Office no. 2,220,482,
filed May 12, 1938, serial no. 207,518,
granted November 5, 1940
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Edition of 59/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

*Building Construction—Dymaxion
Development Unit*, 1981
United States Patent Office no. 2,343,764,
filed March 21, 1941, serial no. 384,509,
granted March 7, 1944
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Edition of 59/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

*1946 Dymaxion Dwelling Machine—
Wichita House*, 1981
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Edition of 59/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

*1959 Tensile-Integrity Structures-
Tensegrity*, 1981
United States Patent Office,
filed March 16, 1946
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)

Edition of 59/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

*Building Construction—
Geodesic Dome*, 1981
United States Patent Office no. 2,682,235,
filed December 12, 1951, serial no. 261,168,
granted June 29, 1954
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Edition of 53/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

*Synergetic Building Construction—
Octetruess*, 1981
United States Patent Office no. 2,986,241,
filed February 7, 1956, serial no. 563,931,
granted May 30, 1961
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Edition of 59/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

Undersea Island—Submarisle, 1981
United States Patent Office no. 3,080,583,
filed June 8, 1959, serial no. 818,935,
granted March 12, 1963
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Edition of 59/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

Laminar Geodesic Dome, 1981
United States Patent Office no. 3,203,144,
filed May 27, 1960, serial no. 32,268,
granted August 31, 1965
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Edition of 59/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

Geodesic Structures—Monohex, 1981
United States Patent Office no. 3,197,927,
filed December 19, 1961, serial no. 160,450,
granted August 3, 1965
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Courtesy of Carl Solway Gallery,
Cincinnati, OH

1968 Watercraft—Rowing Needles, 1981
United States Patent Office no. 3,524,422,
filed March 28, 1968, serial no. 716,957,
granted August 18, 1970
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and

blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Edition of 59/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

*Non-Symmetrical Tension-Integrity
Structures*, 1981
United States Patent Office no. 3,866,366,
filed August 7, 1973, serial no. 386,302,
granted February 18, 1975
Screenprinted clear film, duotone
screenprint on Lenox 100% rag paper and
blue backing leaf of Curtis 100% rag paper
30 x 40 inches (76.2 x 101.6 cm)
Photograph by Charles Byrne
Edition of 59/60
Courtesy of Carl Solway Gallery,
Cincinnati, OH

SCULPTURE: BUCKMINSTER FULLER

Duo-Tet Star Polyhedras, 1980
Molded thermalplastic structural tubes and
connectors, bronze tinted and acrylic central
octahedron, acrylic and epoxy resin paint
83 x 83 x 83 inches (210.82 x 210.82 x
210.82 cm), triangular base 72 inch
(182.88cm) High
Signed Edition of 10
Courtesy of Carl Solway Gallery,
Cincinnati, OH

PHOTOGRAPHS/ARCHIVAL INKJET PRINT:

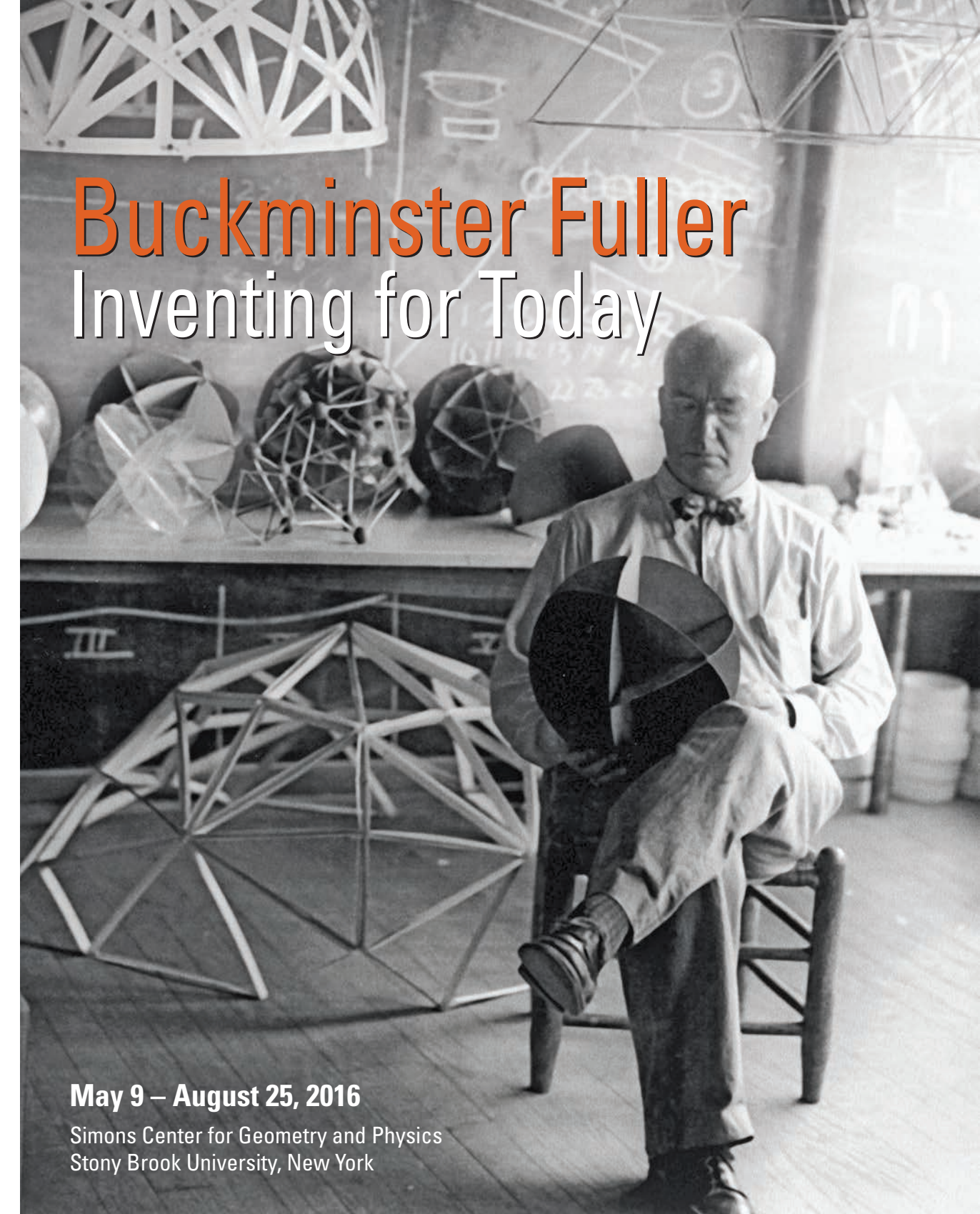
Masato Nakagawa
*Buckminster Fuller's Geodesic Dome at
Black Mountain College*, Summer 1949
Archival inkjet prints
SIZE
Courtesy of the State Archives of North
Carolina and Black Mountain College
Museum + Arts Center

Kenneth Snelson
*Buckminster Fuller's Architecture Classes at
Black Mountain College*, Summer 1949
Archival inkjet prints
5 x 8 inches (12.7 x 20.32 cm) each
Courtesy of Kenneth Snelson and Black
Mountain College Museum + Arts Center

Hazel Larsen Archer
*R. Buckminster Fuller at Black Mountain
College*, Summer 1948
Archival inkjet prints
9 5/16 x 7 7/16 inches (23.65 x 18.89 cm)
Courtesy of the Estate of Hazel Larsen
Archer and Black Mountain College
Museum + Arts Center

Beaumont Newhall
The Supine Dome, Summer 1948
Archival inkjet prints
8 1/2 x 11 5/16 inches (21.59 x 28.73 cm)
Courtesy of the State Archives of North
Carolina and Black Mountain College
Museum + Arts Center

Buckminster Fuller Inventing for Today



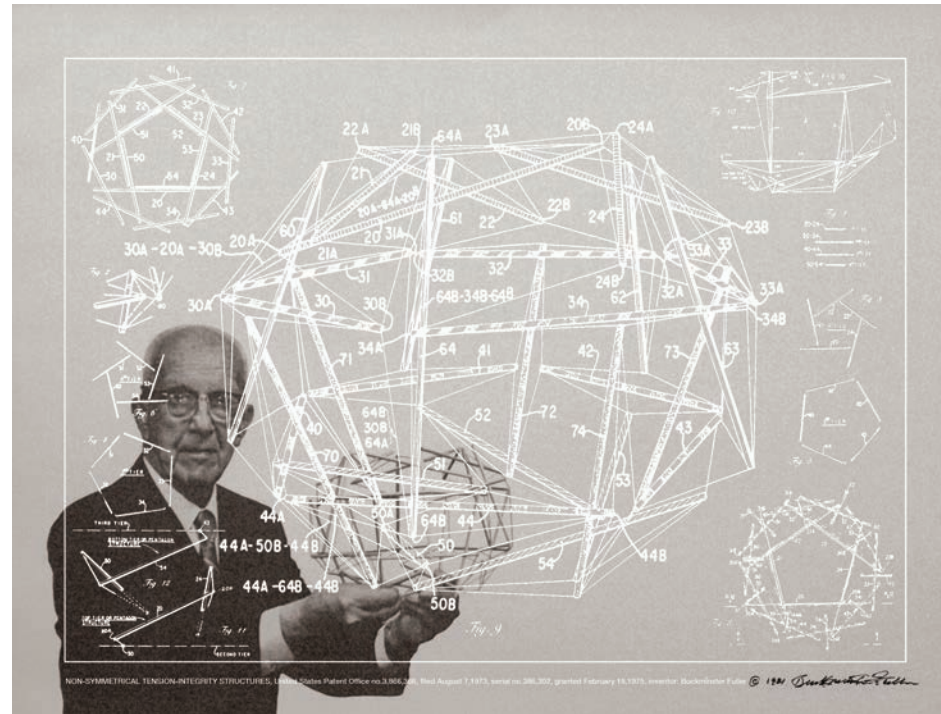
May 9 – August 25, 2016

Simons Center for Geometry and Physics
Stony Brook University, New York



Photo Cover:
Hazel Larsen Archer
R. Buckminster Fuller at Black Mountain College,
 Summer 1948
 Archival inkjet prints
 9 5/16 x 7 7/16 inches (23.65 x 18.89 cm)
 Courtesy of the Estate of Hazel Larsen Archer and Black Mountain College Museum + Arts Center

Photo Above:
Masato Nakagawa
Buckminster Fuller's Geodesic Dome at Black Mountain College,
 Summer 1949
 Archival inkjet prints
 SIZE
 Courtesy of the State Archives of North Carolina and Black Mountain College Museum + Arts Center



SCHEDULE OF EVENTS

Buckminster Fuller: Inventing for Today
 May 9 – August 25, 2016

Curated by Lorraine Walsh

OPENING RECEPTION

Thursday, May 12, 2015
 5:00 pm: Wine and Cheese Reception, Simons Center Gallery and Lobby

GUEST SPEAKER TALK

Thursday, May 12, 2015
 5:45 pm: Guest Speaker: Kurt Przybilla, *Explorations in the Geometry of Thinking*, SCGP 103

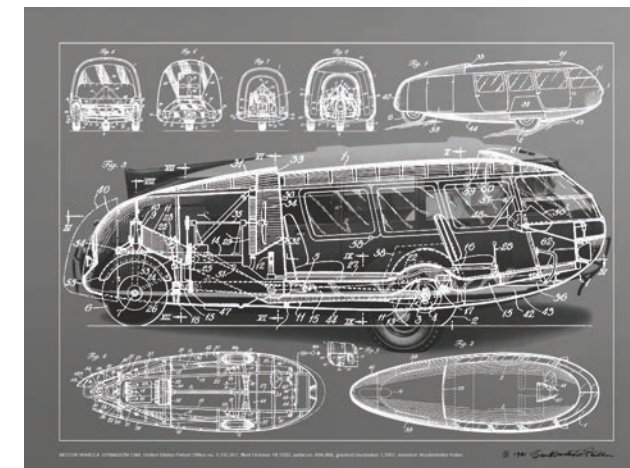
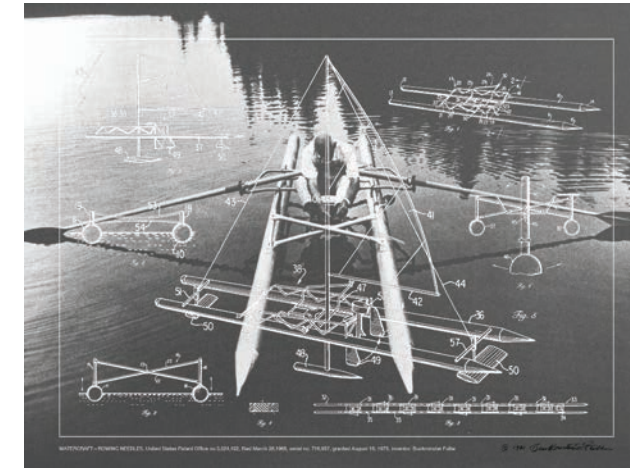
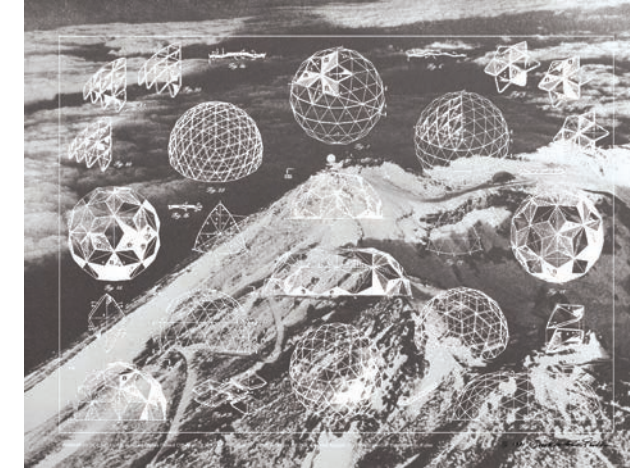
Summer 2016 events to be announced

Receptions and talks are free and open to the public

Simons Center Gallery hours:
 Monday – Friday 10:00 am – 5:00 pm
 Closed Saturday, Sunday and Holidays

Directions: Simons Center for Geometry and Physics
<http://scgp.stonybrook.edu/about/directions>

Information: <http://scgp.stonybrook.edu/> or call 631-632-2800



GUEST SPEAKER BIO

The guest speaker Kurt Przybilla is an inventor, writer, producer, and educator. As co-creator, writer, and producer of the *Molecularium*, an outreach and educational program by the Nanotechnology Center at Rensselaer Polytechnic Institute (RPI) in Troy, NY, Przybilla produced and co-wrote numerous projects including *Molecules to the MAX!*, a 3D animated film for Giant Screen IMAX theaters; *Molecularium*, an award-winning digital dome feature; and *NanoSpace*, a game-based online theme park created to teach children about atoms and molecules. Notably, he invented Tetra Tops®, the world's first spinning top with more than one axis of spin, which was inspired by the works of Buckminster Fuller and has been featured in *The New York Times*, *Popular Science*, *Baby Einstein*, *Child*, *Discover Magazine*, and exhibited at the Smithsonian Institute.

ACKNOWLEDGEMENTS

Thank you to all at the Simons Center for Geometry and Physics, especially to John Morgan, Director; Elyce Winters, Chief Administrator; Tim Young, Systems Administrator and to staff members Teresa DePace, Joshua Klein, Jason May, and Janell Rodgers. Thanks also to Tony Phillips, Art Advisory Committee Chair, and the entire art committee; Joo Yun Lee; and all the student gallery assistants.

Special thanks to Carl Solway Gallery, Cincinnati, OH; Black Mountain College + Arts Center, Asheville, NC; The Buckminster Fuller Institute, Brooklyn, NY; and The Estate of R. Buckminster Fuller.