P. 1

Messenger 6:
Big Turtle, 2024
Dr. Arthur Trembanis,
Mapping Operation
Crossroads Nuclear
Battlefield 73 years
later, University of
Delaware, 2019. Scan
of the seabed at Bikini
Atoll (detail)

P. 2

Messenger 17: Soul on Strike, 2024 Plutonium-239 atom (public domain)

P. 6

Messenger 13: Atomic Lake, 2024

P. 12

Messenger 23: The Power to Burn, 2024 U.S. Defense Special Weapons Agency, Runit Dome, Enewetak Atoll, aerial view, 1980 (public domain)

P. 22

Messenger 3:
Thinking about Bikini,
2024
U.S. Department
of Defense, The
"Baker" explosion,
part of "Operation
Crossroads," a nuclear
weapon test by the
U.S. military at Bikini
Atoll, on 25 July 1946
(public domain)

P. 23

Messenger 7:
Hiroshimaites, 2024
Examples of the broad range of fallout debris from the A-Bomb blast that were collected from beach sands near Hiroshima. Photo (details): Mario Wannier

P. 27

Messenger 19: Pile 1, 2024 Site where remains of the world's first nuclear reactor, Chicago Pile-1, are buried. Red Gate Woods, Illinois. Photo: Brian Holmes

P. 32

Messenger 8:

Soil sample Karlsplatz, 2024 Excavation site at Karlsplatz, Vienna, January 2020. Photo: Constance Litschauer (Stadtarchäologie Wien)

P. 33

Messenger 2: Arthur Trembanis, back home, 2024 Mapping Operation Crossroads Nuclear Battlefield 73 years later, Bikini Atoll, University of Delaware, 2019. Videos: Arthur Trembanis

P. 39

Messenger 5:
Message to a Turtle,
2024
Tortoise shell showing
scute growth sequence.
Visualization: Ivana
Lazić

P. 41

Messenger 20: Los Alamos Study Group, 2024 A plutonium chemist at Los Alamos National Laboratory in 1995 shows a "puck" of plutonium refined from a nuclear weapon pit. New Mexican file photo, screenshot (21 February 2024)

P. 45

Messenger 18: Atomic Soldiers, 2024

P. 46

Messenger 15: Testimony by Karipbek Kuyukov (Semipalatinsk Test Site), 2024 Painting: Karipbek Kuyukov, Fear, oil on canvas

P. 47

Messenger 1: Arthur Trembanis, Bikini Atoll, 2024 Mapping Operation Crossroads Nuclear Battlefield 73 years later, University of Delaware, 2019. Photos: Arthur Trembanis

P. 53

Messenger 22: Vienna Environmental Research Accelerator, 2024 Image: VERA, University of Vienna, Faculty of Physics, Isotope Physics. Chart: Nuclides chart (detail)

P. 58

Messenger 20: Los Alamos Study Group, 2024 Billboard by Los Alamos Study Group. © Los Alamos Study Group (published with permission)

P. 63

Messenger 1:
Arthur Trembanis,
Bikini Atoll, 2024
Landsat 8, OLI,
NASA (edited satellite imagery)
Mapping Operation
Crossroads Nuclear
Battlefield 73 years
later, University of
Delaware, 2019. Photo:
Arthur Trembanis

P. 64

Messenger 4:

Kathy Jetñil-Kijiner, 2024 Excerpt: Kathy Jetñil-Kijiner, Dome Poem Part III: Anointed, blog post, 16 April, 2018

P. 65

Messenger 24: Hiroshimaites, 2024 Photo: Nicholas Mangan, Heron Island Great Barrier Reef, 2023

P. 71

Messenger 12:
"Der letzte Mensch"
[The last human being],
2024
Anton Hanak's sculpture Der letzte Mensch
in front of Wien
Museum. Photo:
@BradJill (published
with permission)

P. 74

Messenger 18: Atomic Soldiers, 2024 Document with hand drawing of eyewitness account of the Trinity Shot by L.W. Alvarez, 16 July 1945. National Archives (unrestricted)

P. 79

Messenger 11: Lung ash, 2024 Photo of the research material made during the visit to Dr. Gabriele Wallner, Department of Bioinorgnaic Radiochemistriy, Vienna University, 29 March 2023. Photo: Katrin Hornek

All Messenger screenshots: Katrin Hornek

