

Formerly Now

Allen Fisher

List of slides and texts used for *Corroding the Now* conference, April 2019

The caught moment is a memory
even when you forgot it

Magnetic resonance image scans of two human brains that show activity corresponding to contentment (red) and anger (blue)	Zhengan Qi et al. (2015) 'White-Matter Structure in the Right Hemisphere Predicts Mandarin Chinese Learning Success,' <i>Journal of Neurolinguistics</i> , Vol. 33.
<i>Stanford Torus space-station, cutaway views.</i>	Don Davis, 1975, oil on board, on behalf of NASA Ames Research Center, Moffett Field, California
Volcanic caldera venting gasses on Jupiter's satellite Io	National Aeronautics and Space Administration (1979) photograph at 129,600 km range, on Flyby orbit
Trace of an Omega Minus (Ω^-) particle produced in the British National 1.5m diameter liquid hydrogen bubble chamber	C. Henderson (1970) <i>Cloud and Bubble Chambers</i> , London: Methuen & Co, plate 1 figure 1.
Differential equation for the heartbeat and nerve impulse	E.C. (Christopher) Zeeman (1977) <i>Catastrophe Theory. Selected Papers, 1972-1977</i> , Reading, Mass.: Addison-Wesley, 123.
Now is contingent	
CERN announcing excitement and scepticism on Ghost particle 2018	CERN, the European Organisation for Nuclear Energy.
A neural spheroid 3D human IPSC (Induced Pluripotent Stem Cells) derived for neurotoxicity profile	The image producers Pei Zhuang, Alfred Xuyang Sun, Jia Anam Chee Kai Chua and Sing Yian Chew at Stemonix, 2018.
Neurons grown in tissue culture stained with antibody MAP tau in red	Gerry Shaw, 2014
Quantum cryptography equipment uses entanglement to encode data	<i>Nature</i> , 22 November 2018
Atlas at CERN	Maxililien Brice, CERN, November 2018. <i>Journal of High Energy Physics</i> (2019) 2019: 16.
A Majorana fermion imaged using a scanning-tunneling microscope to show the atomic structure of a one-atom-wide iron wire on a lead surface	Stevan Nadj-Perge, Ilya K. Drozdov, Jian Li, Hua Chen, Sangjun Jeon Jungpil Seo, Allan H. MacDonald, B. Andrei Bernevig, Ali Yazdani, Princeton University. See

What you see in a mirror is history

Andy Chung, Quantum Tunnel 3D specification	Eleni Roussos, <i>Antman and the Wasp</i> , New York: Marvel, 2018, p. 82
Dean Wolcott detail from Quantum Tunnel technical drawing specification	Eleni Roussos, <i>Antman and the Wasp</i> , New York: Marvel, 2018, p. 84
Jamie Rama photograph of Shepherd Frankel set for Quantum Tunnel with film characters Scott Lang and Hank Pym	Eleni Roussos, <i>Antman and the Wasp</i> , New York: Marvel, 2018, p. 72
Jamie Rama photograph of Shepherd Frankel set for Quantum Tunnel in operation with Pym in foreground and Lang disappearing	Eleni Roussos, <i>Antman and the Wasp</i> , New York: Marvel, 2018, p. 73
Stephen Schirle, <i>Scott Lang enters Quantum Realm</i>	Eleni Roussos, <i>Antman and the Wasp</i> , New York: Marvel, 2018, p. 171
Tully Summers, earlier version of <i>Ghost in Chamber</i>	Eleni Roussos, <i>Antman and the Wasp</i> , New York: Marvel, 2018, p. 117
Jiuguang Wang, Replica of Maria from Fritz Lang's <i>Metropolis</i> (1927)	Robot Hall of Fame, Carnegie Science Center, Pittsburg
Tully Summers, <i>Ghost in Chamber</i>	Eleni Roussos, <i>Antman and the Wasp</i> , New York: Marvel, 2018, p. 120
Film still of <i>Ghost in Chamber</i> from <i>Ant-man and the Wasp</i>	Hannah John-Kamen playing <i>Ghost in Ant-man and the Wasp</i> , directed by Peyton Reed, cinematography by Dante Spinotti, Marvel Studios, Burbank, California

Extracts from *SPUTTOR* 9, 14, 24, 27, 33, 37, 55, 93, 100.

Readings from Allen Fisher, 'Human health' (*SPUTTOR* 18-19), *Black Pond 5*, *Black Pond 7*, stanzas 3 and 7, 'Human cosmos' (*SPUTTOR* 85), and 'Human understanding' (*SPUTTOR* 106), 2014 and 2018. *SPUTTOR* published by Veer Books, London, 2014 and *BLACK POND 7* by Spanner, Hereford, 2018.

The galaxy you are travelling to no longer exists

Ledbury Station	Allen Fisher, 30 December 2018
Berlin	Allen Fisher, 12 December 2015
Crickhowell, May 2018	Allen Fisher, 25 May 2018
<p>You went shopping and came back with three cans of maybe and a fourth of surprise</p>	
Lightning, New Mexico	Hugh Mitchell Jnr. nd
Fire on Saddleworth Moor	June 2018

3-D Magnet Field computer simulation of reversing Geodynamo	G.A. Glatzmaier and P.H. Roberts (1995) 'A three-dimensional self-consistent computer simulation of a geomagnetic field reversal', <i>Nature</i> 377, 203-209.
Graphs from ATLAS recordings of Majorana and Dirac fermions.	'Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s} = 13$ TeV with the ATLAS detector', The ATLAS Collaboration, <i>Journal of High Energy Physics</i> (2019) 2019: 16 DOI: 10.1007/JHEP01(2019)016.
Garbage crisis Lebanon 29 February 2016	China CCTV
Workers at Umicore Brussels separate precious metals from waste 2016	<i>Nature</i> volume 531, 24 March 2016, p. 435.
Three-dimensional reconstruction of a rotavirus at a magnification of about 50,000	T. S. Baker, N. H. Olson, and S. D. Fuller, Purdue University, Indiana, Structural Biology Programme, European Molecular Biology Laboratory, Heidelberg, and The Wellcome Trust Centre for Human Genetics, University of Oxford (1999). 'Adding the Third Dimension to Virus Life Cycles: Three-Dimensional Reconstruction of Icosahedral Viruses from Cryo-Electron Micrographs,' <i>Microbiology and molecular biology reviews</i> , Vol. 63, no. 4.
Simulations of Polyomavirus capsid	James P. Griffith, Diana L. Griffith, Ivan Rayment, William T. Murakami & Donald L. D. Caspar (1992) 'Polyomavirus capsid and vision electron density maps computed by Fourier analysis', <i>Nature</i> 355, 6361.
Readings from Allen Fisher, <i>NO LONGER ALONE</i> one and eight, 2016.	