

The Valleys and Ridges of Humanity's Paths Forward

How to Think About the Future Part 3 | Frankly 145

Show Notes and Links to Learn More

The TGS team puts together these brief references and show notes for the learning and convenience of our listeners. However, most of the points made in episodes hold more nuance than one link can address, and we encourage you to dig deeper into any of these topics and come to your own informed conclusions.

- 00:00 – [How to Think About the Future Series: Part 1, Part 2](#)
- 00:20 – [Scenario planning \(more info\)](#)
- 00:30 – [Metacrisis](#)
- 01:09 – [Coupled systems, Phase shifts, Shortfall risk](#)
- 02:58 – [Conrad Waddington: The Strategy of the Genes, More on the landscape topography](#)
- 06:00 – [Path of least resistance, Path dependence \(more info\)](#)
- 07:20 – [Lake aging process](#)
- 08:05 – [Surface water use in the U.S.](#)
- 08:15 – Minnesota: Land of 10,000 [Lakes](#) and [Caves](#)
- 08:30 – [Regenerative techniques that expand a lake's lifespan](#)
- 08:54 – [Activities that degrade lakes](#)
- 09:05 – [Lake tipping points, Algal bloom in lakes](#)
- 09:30 – [Tipping points, Stable states, Self-perpetuating loop](#)
- 10:00 – [Complex system](#)
- 11:55 – [Move toward authoritarianism in crisis: Downfall of the Roman Empire, Peru, Tunisia](#)
- 13:45 – [Seneca Effect \(Ugo Bardi\), The Seneca Effect, "The Seneca Effect" Substack](#)
- 16:05 – [Energy descent, Climate change, Biodiversity loss](#)
- 16:40 – Current path of least resistance: [Economic contraction, Adversarial geopolitics, and Increased concentration of power](#)
- 17:15 – [How and why to develop trust, Power sharing, Tips for community coordination](#)
- 18:07 – [Salmon swim upstream to spawn, Trees pulling up water against gravity](#)
- 21:20 – [Valleys, Ridges, Switchbacks, Erosion](#)
- 22:02 – [Social innovation, Restoring soil, Creating cooperative institutions](#)
- 22:10 – [Switchback and erosion relationship, Washouts](#)