

Author of the week: Freeman J. Dyson



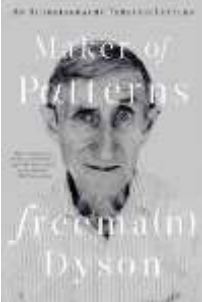
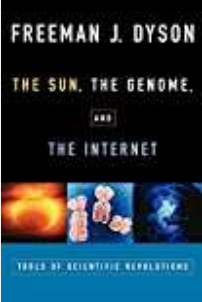
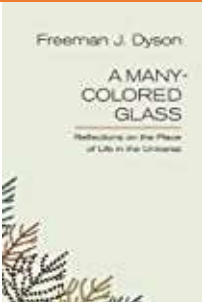
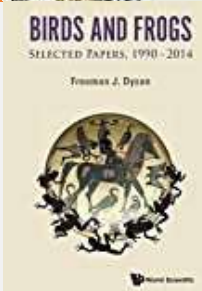
Freeman John Dyson (15 December 1923 – 28 February 2020) was a British-American theoretical and mathematical physicist, mathematician, and statistician known for his works in quantum field theory, astrophysics, random matrices, mathematical formulation of quantum mechanics, condensed matter physics, nuclear physics, and engineering. He was Professor Emeritus in the Institute for Advanced Study in Princeton, a member of the Board of Visitors of Ralston College, and a member of the Board of Sponsors of the Bulletin of the Atomic Scientists. A great figure in 20th-century physics, Freeman J. Dyson—the theorist who unified the world of the atom and the electron, a critic of nuclear weapons tests, a designer of space civilizations, and a steadfast climate change contrarian—died on February 28, 2020, in Princeton, New Jersey. He received the following lots of awards and achievements in his career.

Awards & Achievements

- FRS (1952)[3]
- Heineman Prize (1965)
- Lorentz Medal (1966)
- Hughes Medal (1968)
- Harvey Prize (1977)
- Wolf Prize (1981)
- Andrew Gemant Award (1988)
- Matteucci Medal (1989)
- Oersted Medal (1991)
- Enrico Fermi Award (1993)
- Templeton Prize (2000)
- Pomeranchuk Prize (2003)
- Henri Poincaré Prize (2012)

List of books by Freeman John Dyson

(Available in the library)

1		<p>Title: Maker of patterns : an autobiography through letters Author: Dyson, Freeman J. Publisher: New York: Liveright Publishing Corporation, 2018 Call No.: 530.092 DYS Acc. No.: 028132</p>
2		<p>Title: Sun, the genome and the internet: tools of scientific revolutions Author: Dyson, Freeman J. Publisher: New York: Oxford University Press, 2000 Call No.: 303.483 DYS Acc. No.: 029751</p>
3		<p>Title: Many colored glass: reflections on the place of life in the universe Author: Dyson, Freeman J. Publisher: Charlottesville: University of Virginia Press, 2007 Call No.: 570.1 DYS Acc. No.: 029405</p>
4		<p>Title: Birds and frogs: selected papers, 1990-2014 Author: Dyson, Freeman J. Publisher: New Jersey: World Scientific, 2015 Call No.: 530.14 DYS Acc. No.: 029836</p>

Articles by and on Freeman J. Dyson:-

- Dyson, F. J. (1949). The Radiation Theories of Tomonaga, Schwinger, and Feynman. Physical Review, 75(3), 486–502. <https://doi.org/10.1103/PhysRev.75.486>
- Dyson, F. J. (1956). General Theory of Spin-Wave Interactions. Physical Review, 102(5), 1217–1230. <https://doi.org/10.1103/PhysRev.102.1217>
- Dyson, F. J. (1952). Divergence of Perturbation Theory in Quantum Electrodynamics. Physical Review, 85(4), 631–632. <https://doi.org/10.1103/PhysRev.85.631>

- Dyson, F. J. (1955). Electron Spin Resonance Absorption in Metals. II. Theory of Electron Diffusion and the Skin Effect. *Physical Review*, 98(2), 349–359.
<https://doi.org/10.1103/PhysRev.98.349>
- Freeman Dyson (1923–2020). <https://www.nature.com/articles/d41586-020-00747-5>
- School of Natural Sciences (2013). FREEMAN DYSON. Institute for Advanced Study.
<https://www.ias.edu/sns/dyson>
- Scholars (2019). Freeman J. Dyson. Institute for Advanced Study.
<https://www.ias.edu/scholars/dyson>
- Freeman Dyson (2020). legendary theoretical physicist, dies at 96. *Science*.
<https://www.nationalgeographic.com/science/2020/02/freeman-dyson-legendary-theoretical-physicist-dies-at-96/>
- Dijkgraaf, R. (2020). Freeman J. Dyson 1923–2020: Legendary physicist, writer, and fearless intellectual explorer. *Proceedings of the National Academy of Sciences*, 117(24), 13186–13187. <https://doi.org/10.1073/pnas.2008909117>
- Press, W. H. (2020). Freeman J. Dyson. *Physics Today*, 73(7), 60–60.
<https://doi.org/10.1063/PT.3.4529>
- Britannica (2020). The Editors of Encyclopaedia. "Freeman Dyson". *Encyclopedia Britannica*,
<https://www.britannica.com/biography/Freeman-Dyson>. Accessed 28 January 2021.
- Freeman Dyson. (n.d.). DeSmog. <https://www.desmogblog.com/freeman-dyson>

Video

- TVO Docs. (2011, October 5). *Freeman Dyson on Living Through Four Revolutions*.
<https://www.youtube.com/watch?v=zq4p2qbE684>
- *Big Think*. (2012, April 24). *Freeman Dyson: Climate Change Predictions Are “Absurd.”*
<https://www.youtube.com/watch?v=fmy0tXcNTPs>
- *Web of Stories - Life Stories of Remarkable People*. (2016, July 27). *Freeman Dyson—‘God appears to be a mathematician’ (148/157)*.
https://www.youtube.com/watch?v=ESyqh1M_kf0

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28.01.2021