



RETIREMENT MEN'S ASSOCIATION OF GREENWICH, Inc. (RMA)
and GREENWICH LIBRARY

Invite you to a presentation **September 29, 2021** at 11:00 a.m.
First Presbyterian Church, Lafayette Place, Greenwich, CT
The program is also available on webinar: <https://bit.ly/30IBj21>

Dr. Steve Holmes, Ph.D.

**What's Out There and Where's It Going: The 20th Century
Revolution in Cosmology**

Throughout most of human history the heavens were viewed as eternal, infinite, and unchanging. This view was completely upended over the course of the last one hundred years starting with Einstein's theory of gravity, through Hubble's discovery of the expanding universe, and culminating in the discovery of the accelerating expansion at the very end of the century. We now know that our universe had a beginning; what we do not know is how or if it will end. Central to our current understanding of the universe is a mysterious phenomenon called "dark energy," the nature of which is poorly understood, but which governs the future.



Steve Holmes will describe this story as it played out over the 20th century and highlight some of the outstanding questions for which we seek answers in the 21st.

Dr. Holmes holds a PhD in experimental particle physics from Harvard University. He spent five years on the faculty of Columbia University, followed by thirty-five years on the scientific staff at the Fermi National Accelerator Laboratory. His area of expertise is the design, development, construction, and operation of high-energy particle accelerators. He has a long-term interest in astronomy and astrophotography. Dr. Holmes is a Fellow of the American Physical Society.

All attendees must show proof of complete vaccination at the door for admittance and wear masks at all times inside the church.

Following his lecture, the Library is hosting a community discussion led by physicist Dr. Steve Holmes on "The World is Round, but the Universe is Flat - What's do We Really Know?" The discussion will be held in the second floor Meeting Room from 2:00 to 3:30 p.m. To participate in the discussion group members of the public are encouraged to register on the Greenwich Library website:

<https://greenwichlibrary.libcal.com/event/8096656>

Next Week: October 8, Jack Scully, author of a book of poems "*Mianus Village*," and Chris Davala, Radio Newscaster. Program co-sponsored with Greenwich Library and Greenwich Historical Society, focusing on a village built for World War II veterans and both speakers' childhood experiences growing up in Greenwich in the 1950s. "**Mianus Village in History and Literature**"

The Greenwich Retired Men's Association offers a free Webinar program every Wednesday at 11:00 a.m. For additional information see www.greenwichtma.org or contact us by email at info@greenwichtma.org.