



**RETIRED MEN'S ASSOCIATION OF GREENWICH, Inc. (RMA)**  
Invites you to its meeting **November 30, 2016** at  
**First Presbyterian Church, Lafayette Place, Greenwich, CT.**

## **Stephen Myers and Martin Waine** **“Proving Einstein Right on Gravity Waves and Relativity”**



What is a gravity wave? In 1916 Albert Einstein realized that his General Theory of Relativity predicted that violent collisions in space would cause “gravity waves,” ripples in space-time. If these waves could be detected, they would constitute validation of the theory. Unfortunately the waves would be incredibly faint, impossible to detect by the methods available in 1916.

Fast-forward 100 years to September 14, 2015. After 50 years of effort involving thousands of scientists and engineers and hundreds of millions of dollars two laboratories in the U.S. separated by 1,000 miles detected identical gravity waves at almost the same moment with just the predicted characteristics. This momentous result required overcoming enormous technical difficulties and represents the most sensitive measurement ever made in physics. Measuring gravity waves opens a new and exciting chapter for exploring the cosmos, ranking with Galileo’s discovery that the telescope would revolutionize observational astronomy.

Steve Myers (above left) and Martin Waine, (above right) both physicists and members of The Retired Men’s Association of Greenwich, and residents of Greenwich, will describe this most important and remarkable achievement and what it might hold for the future.

Dr. Myers is a graduate of Rensselaer Polytechnic Institute, and holds a Ph.D. in Physics from New York University. He worked for 25 years as an applied physicist for the Perkin-Elmer Corporation in Norwalk on optics and laser-based instruments. In 1985 he started his own company that created a laser-scanning instrument for the biomedical industry.

Dr. Martin Waine holds Master and PhD degrees from Yale University. He taught physics at Mount Holyoke College from 1964-70, followed by a varied career as a senior engineer. From 1989-1999 he was President of TorqMaster, Inc a Stamford-based company that designs and manufactures friction hinges for laptops and medical displays. He was also President of its predecessor company, General Clutch Corporation, from 1981-1989.

**Next Week: Ambassador Donald Gregg, “The New Administration’s Major Foreign Policy Challenges”**

*The Greenwich Retired Men’s Association offers a free program every Wednesday that is open to the public, both men and women; no reservations are required. Our social break starts at 10:40AM followed promptly by our speaker at 11:00AM. Programs are at the First Presbyterian Church, 1 West Putnam in Greenwich. For additional information see [www.greenwichrma.org](http://www.greenwichrma.org) or contact [info@greenwichrma.org](mailto:info@greenwichrma.org)*