

Program Title: "A-B-C of Perpetual Motion Clocks."

Program Description: A discussion of the three variations of perpetual motion in horology - current and only commercially available being the Atmos (invented 1928), preceded by the Beverly (a science project currently running since 1860 in the lobby of the Science building of Octago University in New Zealand), and the Cox which has operated since 1763 and is currently on display at the Victoria and Albert museum in London.

Presenter Bio: Ed O'Brien was looking for a mechanically-related activity in 1999 which he could enjoy upon retirement, about eight years away. The quest uncovered the Clock and Watch school at Winter Park Tech where he enrolled, found great satisfaction, graduated then served as an assistant instructor until Orange County School Board discontinued the program. He chose clock repair, though training included some exposure to watch repairs, and with the help of many clockmakers, became proficient repairing many different types of clocks and doing projects far beyond what was learned in the school. Ed has significant experience with French and German movements, Chelsea and other ship's clocks and Vienna regulators with the Grand Sonnerie striking. His most significant experience has been with the LeCoultre Atmos "perpetual motion" clock, on which he apprenticed with Tom Bransford. He does Atmos repairs for shops throughout the Orlando area and also for a shop in Atlanta.

Ed is a board member of NAWCC Chapter 19 in Lakeland, and served four years as president. He has done Atmos presentations at Chapter 19, Chapter 154, Boca Raton and Atlanta, as well as at the Florida Mid-Winter Regional. He has served as Mart Chairman and Security Chairman (twice) at the Florida Mid-Winter Regional.