Leaves, Length-scales and Lasers - Contributions of George Thurtell. (A03-gillespie083158-Oral)

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Abstract:

Dr. George Thurtell's creativity with ideas and instruments is an outstanding example of the art of science, so we will describe his contributions in periods and themes as is often done for masters of paint or poetry. We will first chronicle the 'Leaves' theme, that began in the late 60's and continued into the early 90's with important advances along the way regarding gas exchange in leaves, and water transport in leaves roots and soil. In a 'Length Scales' theme we will capture George's exceptional work with eddy correlation and turbulent transport. Finally we will enter the 'Lasers' period, particularly during the 90's, when his work with tunable diode lasers hugely enhanced our ability to study trace gas fluxes over extended periods of time.

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