

INTRODUCTION TO THE FESTSCHRIFT FOR ROBERT C. WAAG

I am pleased and honored to write this introduction for my colleague and friend, Robert C. Waag. Our careers have paralleled, overlapped, and intersected in various ways over the years. Our relationship goes back to before we even knew each other, having both been born in Pennsylvania (Bob 2 years my elder) and having both attended Cornell University in the Electrical Engineering Department, with Bob receiving his MS degree at the same commencement ceremony where I received a BEE degree. Bob went on to complete a doctoral program there, majoring in communication theory at Rochester. After his tour in the Air Force, Bob arrived there as an assistant professor, the same year that I received my MS degree. During my first two years at Rochester, I found an entrance into medically related research working under Professors Ed Carstensen and Ray Gramiak in the field of sonography. After my graduation with a PhD, my academic career continued for decades at Yale University and Wake Forest University, while Bob's academic

models. His movies of wave propagation in these tissues are the most realistic and most illuminating depictions that have ever been produced. When you couple these results with his rigorous mathematical framework for aberration correction and inverse solutions to the imaging problem, the overall accomplishment is without peer. Together, these are truly a “magnum opus” of research, all leading to greatly improved imaging and vastly improved understanding. These singular contributions are worthy of the recognition given to Professor Waag in this Festschrift dedicated to him.

FREDERICK W. KREMKAU
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