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Alissa S. Crans* (acrans@lmu.edu), Department of Mathematics, Loyola Marymount University, One LMU Drive, Suite 2700, Los Angeles, CA 90045, and **Robert J. Rovetti**. *Beyond Formulas: A Collaboration Between Liberal Arts Underclassmen and Senior Math Majors*.

“Congratulations! Sony Pictures producers have hired you as a scientific consultant to assist them in producing a remake of the classic film *Gone With The Seabreeze*, which chronicles the founding of the Westchester campus of Loyola University in 1929. The original film features shots of various old buildings that can still be found across campus today. The producers wish to recreate these shots, but need to know where to position the camera, which they have tasked you with finding.”

Thus began a collaborative project between liberal arts underclassmen and senior applied mathematics majors. Six teams of underclassmen, each led by a senior math major, set out to reconstruct an old photograph. Along the way they would run into inaccessible landscapes, blocked views, and busy schedules, but ultimately emerged with a polished product, clearer understanding of what it means to apply a theoretical method to a real-world problem, and a different perception and appreciation of what constitutes the art and practice of mathematics. We will discuss the courses involved, describe the assigned project and its pedagogical goals, and showcase the final product of one group. In addition, we will share various observations and reflections made by both students and instructors. (Received September 22, 2011)