Abstract Submitted
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Recreation of Natural Optical Phenomena TIFFANY PAONESSA, PETER SHELDON, Randolph College — This project was undertaken to study and fully understand optical atmospheric phenomena. Research was done on the structure and formation of colorful atmospheric phenomena including, but not limited to, primary, secondary, and supernumerary rainbows, halos, parhelia, and glories. This study also undertakes an attempt to create some of these phenomena. Using hand-made epoxy crystals for ice, a round bottom flask as a water droplet, and a high-powered halogen lamp for sunlight, primary, secondary, and supernumerary rainbows and halos were created and photographed.

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