

ADDITIONAL DOCUMENTATION
Preston Laboratories Photos, Late 1940s: People, Place and Processes



Fig 1: Dr. Preston, Mrs. Preston in 1949



FIG 2: Preston Laboratories main building in 1948. View northwest



Fig 3: Main Laboratory in 1938. View northeast.



Fig 4: North elevation of the main laboratory and lily pond in 1949. View south.



Fig 5: View northeast toward Machine Shop circa 1941. The perimeter fence is visible on the left and right edges of the photo. The site vegetation is in early stages. The glass block pillars were removed at an unknown date.



Fig 6: View southeast at frame garage and instrument building ca. 1949



Fig 7: View northeast of the instrument building with frame garage beyond, circa 1949. The open bays under the frame portions of the second floor are visible. In the foreground are bird and animal pens where Preston kept peacocks, guinea fowl, and, from time to time raccoons. The bays were enclosed as stairways to the second floor in the mid-1950s and the pens removed at that time.



Fig 8: Dr. L. Ghering with an original thermal shock machine. This is the invention that made Preston's career. Using controlled temperatures, bottles (in carrier, left) were immersed in hot water for selected times then moved to a cold water tank (right) and timed until they fractured, determining if they were suitable for the intended use. The modern version is digital. The thermal shock technology is still in use worldwide.



Fig 9: Jane Preston demonstrating the machine that tests the composition of glass circa 1949



Fig 10: Technicians testing fiberglass in the instrument building, second floor, circa 1949



Fig 11: "Testing" the strength of a glass panel are Dr. Preston on the left, Dr. John McCormick on the glass sheet, and Jim Carrie on the right. McCormick was an engineer who surveyed the Preston Laboratories property and designed and built the small pond. Carrie was a master machinist who helped Preston start the original Preston Labs in Butler in 1926 and remained with Preston until his death in 1942. No date.

INDEX OF FIGURES

Fig #	Title
1	Prestons in 1949
2	Preston Lab in 1948
3	Preston Lab in 1938
4	Preston Lab and Lily Pond 1949
5	Machine shop and entrance 1941
6	Frame garage and instrument building ca 1949
7	Instrument building 1949
8	Thermal shock machine
9	Jane Preston in a lab
10	Fiberglass testing in the instrument building
11	"Testing" the strength of glass