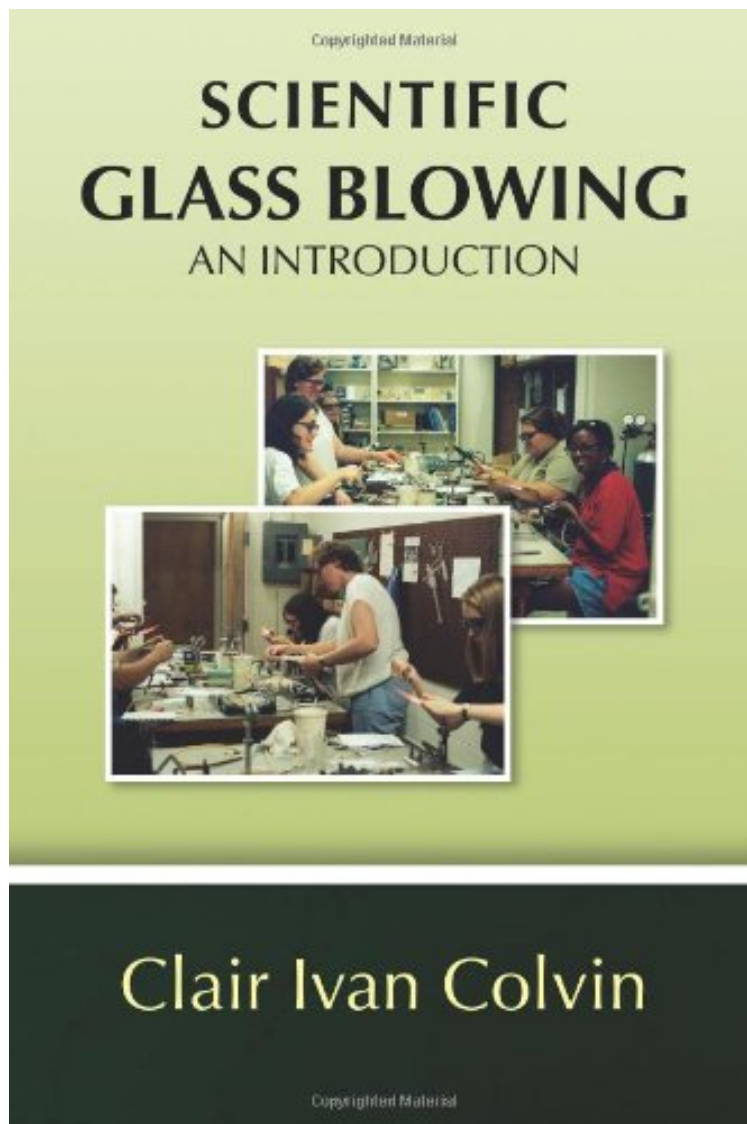


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SCIENTIFIC GLASS BLOWING: AN INTRODUCTION

Clair Ivan Colvin

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By WMSSome years ago i took a similar class in college, I feel that this book or perhaps I should say booklet as it is a short book does seem to follow the same subject matter, With a few exceptions, such as crack chasing, where one attempts to 'repair a crack by remelting the glass where it is cracked without having the crack 'run' farther. This is not always successful.

This book describes in detail how one proceeds to set up a burner, adjust flame size and temperature, and then use it to discover the properties of molten Pyrex glass by the construction of a series of "artistic" figures from glass rods. Similarly, step by step instructions are given for the joining of glass tubes, making T tubes and other simple forms needed for parts in the step by step description of fabricating cold fingers, condensers, etc. The technique of "annealing" glass constructs to reduce stress/strains setup by uneven cooling is emphasized throughout.

About the Author
CLAIR IVAN COLVIN, Professor Emeritus (1993), Georgia Southern University (GSU) was born near Vickery, Ohio. September 16, 1927; son of Ivan and Lucy (Humburg) Colvin . B.S. in Chemistry, Ohio University 1949, M.S. 1961, Ph. D. 1963, University of Miami (Coral Gables). Assistant (1964), Associate (1965), Professor and Head of Chemistry (1968-1991), Georgia Southern University. Prior to retiring as Head of Chemistry at GSU, obtained American Chemical Society certification of the Department's Bachelor of Science in Chemistry program. Created, and for some twenty years taught, a two credit glass blowing course for chemistry/science majors.