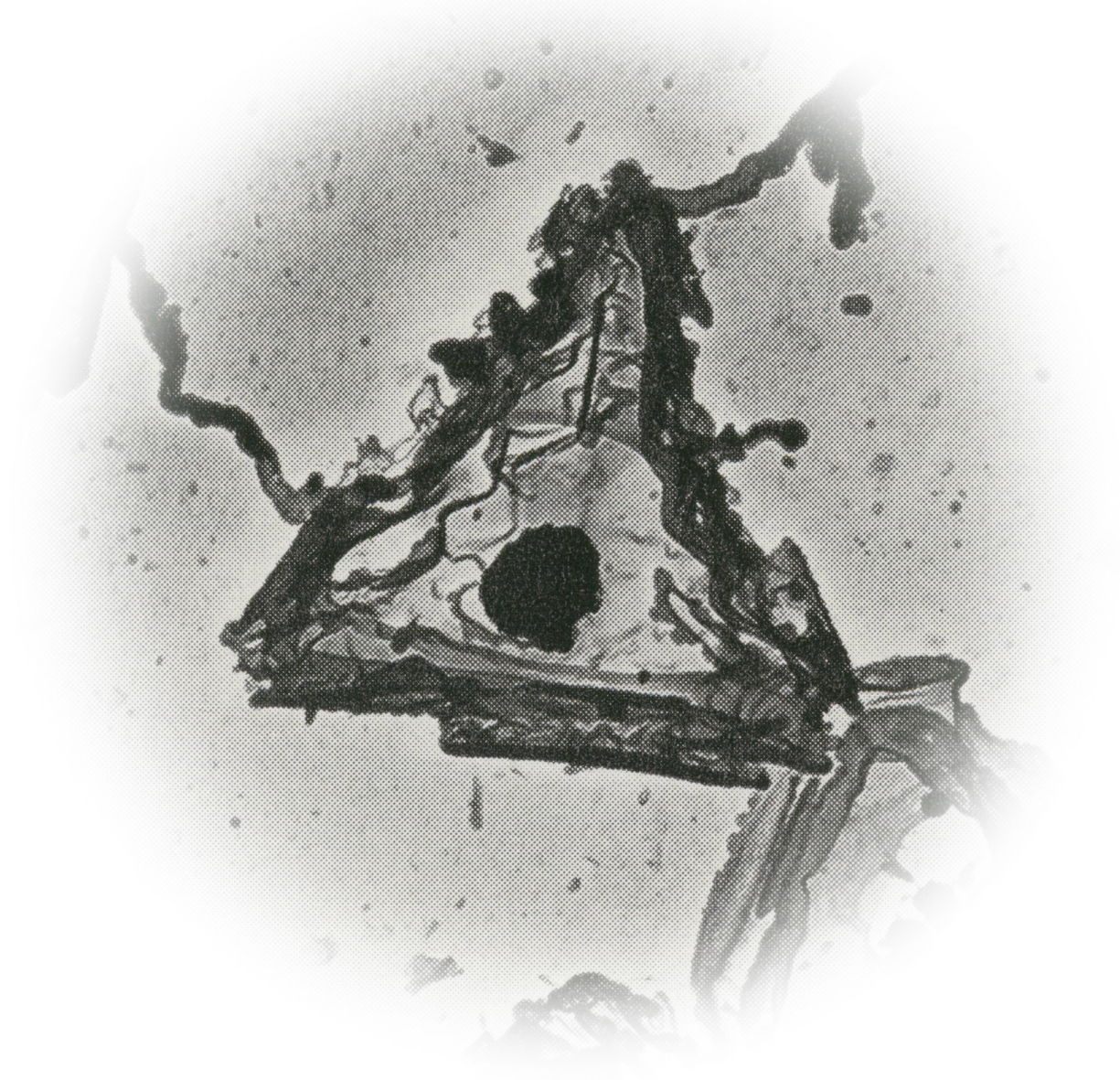
INVESTIGATIONS IN PHOTOCHEMICAL ENGINEERING FOR MOTION PICTURE FILM



Part I: Basic Silver Gelatin Emulsion Making

University of Colorado at Boulder, Macky Auditorium, Room 1B03C

Saturday, March 15th 11:00 AM - 7:00 PM

ABSTRACT. Working with motion picture film today is both an intimidating prospect as well as an exciting one -- prior to this point in history, film was the product of a highly competitive industrial science which rapidly developed from the primal photographic processes of the late 18th century to the multi-layered, monopack films of meticulously engineered silver halide grains produced today. Despite this maturity, however, film was never anything more than a means-to-an-end for an industry which never really cared to understand what film was or what film could be. Given the comparative convenience of digital photography, therefore, both the technological and theoretical development of film has undergone a widespread abandonment among industry figures. However, in the wake of this abandonment, we've also been left with perhaps the most intriguing of opportunities: to take this industrial science and build within it a new medium with new ways of speaking, new ways of thinking and new ways of seeing...

In this first part of a series of investigations into photochemical engineering, we will be focusing on preliminary theories concerning emulsion chemistry and it's practical application in the contemporary darkroom. Topics that will be explored include the history of silver gelatin photographic materials, the theory of emulsification and latent image formation, and the practical experimentation of various techniques for hand making motion picture film. The seminar will culminate in a simple silver gelatin emulsion which we will coat on to pre-existing 35mm cellulose triacetate and then photograph and develop as a negative.

REGISTRATION. All prospective participants should register via email at contact@processreversal.org. Additionally, we are seeking 10 dollars from each participant to help cover material expenses.

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