

prior to centrifuge separation of the foofs. The directed rearranged lard is now ready for other processing such as hydrogenation or deodorization.

A variation on the directed rearrangement process which has been patented (69) would crystallize the disaturated glycerides in a fat before adding the rearrangement catalyst. Then as the liquid phase begins to randomize, more disaturates are formed. If the crystallization driving force is maintained, these disaturates will crystallize before they are converted to trisaturates. Thus a fat suitable for use in margarine with a melting point near body temperature can be obtained. Similarly, directed rearrangement can be carried out in the presence of a free alcohol, such as glycerine, in the reaction mixture (70). As the higher melting-point monoglycerides form, they will crystallize out of the liquid phase just as trisaturates do in the lard process.

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New Gelman Instrument Courses

Gelman Instrument Company is sponsoring a new series of courses in October in Chicago, Los Angeles, and San Francisco.

The first, slated for October 13-14 in Chicago, provides one day of instruction in Basic Electrophoresis, and one day in Immunelectrophoresis and Immunodiffusion. R. O. Briere, Johnston-Willis Hospital, Richmond, Va., teaches electrophoresis, and Curtis Williams, Rockefeller Foundation, New York, teaches immuno techniques. Tuition for the two-day session is \$65.

At a one-day session in Los Angeles on October 16, registrants will study under Dr. Williams, or practice TLC techniques under James Hamilton, Tulane University School of Medicine, New Orleans. Tuition for either class is \$35.

Dr. Williams and Dr. Hamilton will each instruct on October 18 in San Francisco. Tuition for the course on immuno techniques or for TLC is \$35.

Advance registration is mandatory and should be made through the Information Department, Gelman Instrument Company, P. O. Box 1448, Ann Arbor, Michigan 48106.