
Come celebrate the Anniversary!

Come celebrate the anniversary of one of the world's oldest scientific discussion groups on Chromatography. The CFDV was founded in 1966. It offers short courses, symposia, awards and monthly meetings, to those in academia, industry, and instrument manufacturers. Since 1972, the prestigious Stephen Dal Nogare Award has been awarded. Symposia and/or awards are offered at Pittcon, EAS, the ACS MARM meeting, and at the CFDV's own Spring Symposium. Over four decades, the short courses have evolved from measuring peak areas with chart paper, scissors and a balance, to today's hands-on GC-MS or LC-MS.

Unifying Chromatography to Meet Business Needs

Thomas L. Chester - The Procter & Gamble Company, Cincinnati, OH 45241

Chromatographers often focus on their particular specialization, such as GC, HPLC, SFC, or preparative separations, even though the theory is very similar for all these techniques. In the workplace, the practice of chromatography has become highly empirical. We require specific methods be executed without deviation, and update old methods only with the fewest changes possible. Chromatographic responsibilities are assigned to entry-level employees who struggle to learn the procedures and record keeping, and have no time to develop in-depth technical expertise. When improvements are necessary, we focus on simple adaptations, and employ only empirical, univariate optimization methods.

But significant advantages are possible in selectivity control, speed of analysis, and overall costs. We need to take advantage of general chromatographic theory and move beyond perceived "rule-of-thumb" limits. In method development, we can take advantage of the complexity of parameter interactions, rather than changing one parameter at a time. A unified theory of chromatography can combine these advantages for truly optimal chromatographic methods. This lecture will look at these possibilities, and discuss the progress made at Procter & Gamble utilizing HPLC multivariate optimization for meeting business needs. The potential for further improvements expanding beyond the current bounds of conventional HPLC will be detailed.



About the Speaker

Tom Chester obtained a B.S. degree in chemistry from the Florida State University in 1971, and in 1976 obtained a Ph.D. degree in chemistry from the University of Florida, where he worked under the direction of J. D. Winefordner. He joined The Procter & Gamble Company in 1976 as a staff analytical chemist. There his research initially focused on metabolism, trace analysis and analytical applications of flames. Since 1982, he has focused on the development of supercritical fluid chromatography (SFC), unified chromatography, HPLC, and chromatography optimization. He is currently a Research Fellow in Procter & Gamble's Analytical Discovery Department. Tom received the 1993 Cincinnati Chemist of the Year award, from the Cincinnati Section of the ACS, and the Keene P. Dimick Award in Chromatography, presented at the 1994 Pittsburgh Conference. He is an Adjunct Professor of Chemistry at the University of Cincinnati.

Tom has authored or coauthored over 70 publications, all involving chromatography. He founded and continues as President of *Supercritical Conferences*, which presents international symposia in supercritical fluid techniques. Dr. Chester is on the editorial advisory boards of the *Journal of Separation Science* and *The Journal of Liquid Chromatography*, and previously served on the boards of the *Journal of Microcolumn Separations*, the *Journal of Supercritical Fluids*, the Instrumentation Advisory Panel for *Analytical Chemistry*, and ASTM Committee E-19.12. He has served 17 years with the ACS Division of Analytical Chemistry, including Chair of the Subdivision of Chromatography and Separations Chemistry.

Dinner Cost Reduced to 1966 Prices!!

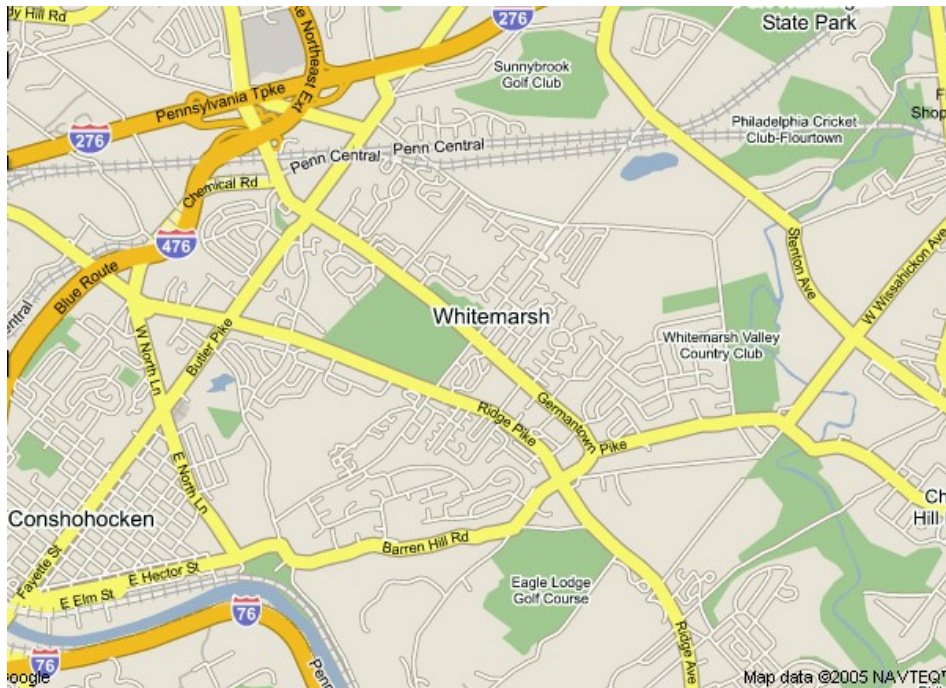
Due to the generosity of our sponsors for this 40th Anniversary Meeting, the CFDV is able to reduce the meal cost for the first 75 registrants to only \$10.00! Therefore, REGISTER EARLY!

Details:

Location: **ACE Center, 800 Ridge Pike, Lafayette Hill, PA 19444**
Times: 5:30pm Social Hour
6:30pm Dinner
7:30pm Presentation
Cost: Only \$10.00 for the first 75 registrants. After 75 have registered, the normal meal price of \$24.00 will apply (Cash, Visa, MasterCard, American Express)
Dinner Menu: Fabulous buffet including a wide variety of entrees, salads and desserts to suit any palate!
Reservations: Call, FAX or E-Mail Sandy Huff at (800) 356-6140, FAX (856) 753-8484 or esindustries@msn.com **before 4 p.m., Friday, September 22nd.** Please include your name, employer and work phone number. Please note that “no-shows” will be billed for the dinner.
Late reservations: Call anyway – we can usually accommodate a couple of extra attendees.

Directions to the ACE Center:

The map below shows the immediate area around the ACE Center. Detailed Driving directions can be found at: <http://www.aceconferencecenter.com/location.html>



A BIG “THANK YOU” to our Sponsors!

Many thanks to the seven companies and EAS, who are sponsoring our 40th Anniversary Meeting. Through their generosity, the CFDV was able to significantly reduce the meal cost and cover the travel expenses for our speaker. Please join the Board in thanking our sponsors, many of whom will be attending the meeting, for their contributions. Please also review the enclosed sheet, which identifies all our sponsors.

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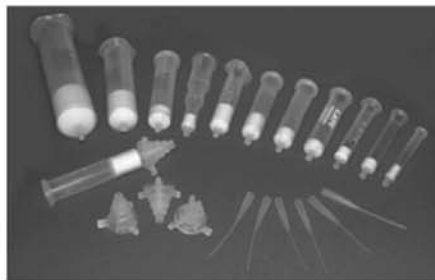
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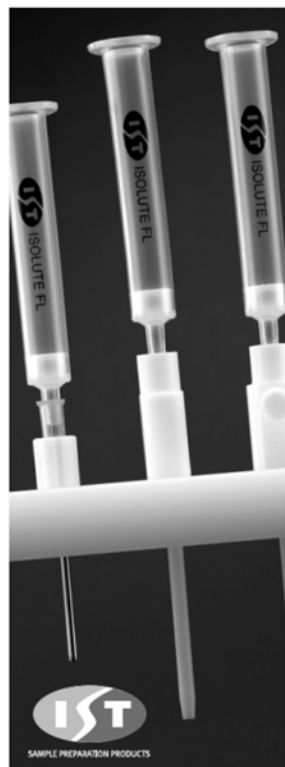
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