

As Requested, here it is!!!

“Beginning Gas Chromatography”

January 26-28, 2010 ...

Presenting MCF's three day workshop in beginning gas chromatography! Taught by instructors Jean-Paul Schirlé-Keller of the University of Minnesota and Rick Rossiter of 3M's Corporate Research Analytical Laboratory , this workshop is offered to provide introductory training in the applications of GC to practical industry and laboratory analytical problems. “Hands On” training with instrumentation from local vendors is included each afternoon!

Program: Lunch will be provided each day along with morning and afternoon breaks. Parking is available nearby (pay lot).

Instructors: Jean-Paul Schirlé-Keller (Dept. of Food Science, University of MN), and Rick Rossiter (3M, Corporate Research Analytical Laboratory)
Date/Time: January 26-28, 2010; 8:00 am - 5:00 pm
Location: University of Minnesota,
Food Science & Nutrition Building
1334 Eckles Avenue (Corner of Eckles & Commonwealth)

Day One

Morning:

- Gas Chromatography Overview
- Column Theory - Packed and Capillary
- Injection Port and Oven

Afternoon:

- Laboratory Exercises

Day Two

Morning:

- Qualitative Analysis
- Quantitative Analysis
- Detectors

Afternoon:

- Laboratory Exercises

Day Three

Morning:

- Operation Parameters
- Trouble-Shooting
- Integrator and Data Systems

Afternoon:

- Laboratory Exercises

For class information, contact Jan Jopke, at (952) 934-5082. For course content information Jean-Paul Schirlé-Keller at jpsk@spectraflavor.com. To register for the course, complete the form below and send it with a check for \$750, payable to the Minnesota Chromatography Forum. Visa and MC also accepted.

Mail to:

Minnesota Chromatography Forum
c/o CCS Associates
6611 Countryside Drive
Eden Prairie, MN 55346

or FAX to: (952) 934-6741

Note: Registration Limited to 21 Students Register Early!

Name, Title: _____

Institution or company: _____

Street Address: _____

City, State, Zip Code: _____

Telephone/FAX: _____

e-mail Address: _____

Credit Card (Visa, MC): _____ exp _____

Vegetarian lunch? Yes _____ No _____

Cancellation Policy: Refunds (minus a 10% administration fee) will be issued for cancellations prior to the registration deadline. Refunds for cancellations made after the deadline will be made only if the spot is filled with another student.

***Note:** If confirmation is not received within 10 business days, contact Jan at (952) 934-5082.

Deadline for Registration: January 12, 2010

Meet the instructors . . .

Dr. Jean-Paul Schirlé-Keller

Dr. Schirlé-Keller completed his Ph.D. under Dr. Gary Reineccius at the University of Minnesota (Department of Food Science and Nutrition). His studies focused on understanding food flavor using liquid and gas chromatography.

After graduation, Dr. Schirlé-Keller set up and operated the flavor analysis and research laboratory at the Pillsbury Company. After leaving this position, he started Spectra Flavor & Fragrance Research (SFFR), a consulting business dealing essentially with flavor issues. This new venture lead him to collaborate very closely with Dr. Reineccius at the University of Minnesota where he kept on developing an in-depth understanding of gas chromatography.

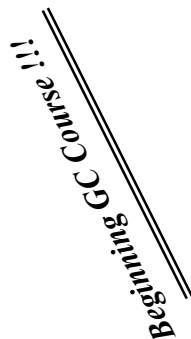
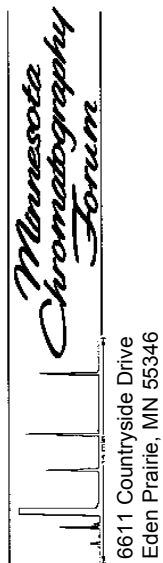
Over the past 22 years, Dr. Schirlé-Keller has worked with liquid and gas chromatography interfaced with multiple detectors. Through his tenure at Pillsbury and SFFR, he was called upon to teach short courses and lectures in the field of gas chromatography, flavor analysis and troubleshooting. However, he remains very involved with the practical side of gas chromatography through his tutoring of students and guest researchers at the U.

Richard C. Rossiter M.A. [Oxon]

Rick holds a Masters degree from University College, Oxford, where he studied Chemistry. He held a post as a high school chemistry teacher in the U.K for 10 years, but then he married a woman from Minneapolis and moved to the US. He has worked with 3M, in the Corporate Research Analytical Laboratory, since 1983.

Rick's current position is that of Advanced Research Specialist in the separations area. He has a wide-ranging experience of solving 3M problems through the use of gas chromatography, liquid chromatography, capillary electrophoresis and size-exclusion chromatography. He has been an MCF member since 1985.

During the last 20 years Rick has also enjoyed using his teaching expertise in many of the 3M Science Encouragement activities, for 3M Technical Development, and as an adjunct instructor in chromatography at what was then known as the St Paul Technical College.



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Qualitative Analysis
Quantitative Analysis
Detectors

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Operation Parameters
Trouble-Shooting
Integrator and Data Systems

Afternoon:

Laboratory Exercises

New this year!!! Discounts for multiple registrations!!

Register 2 people from the same company and receive **10% off** each registration

Register 3 or more people and receive **20% off** each registration!!

Registrations MUST be submitted at the same time to be eligible for the multiple registration discount.