

PRECISELY

INSTRUMENT:
F & M Model 810

DETECTOR:
Dual flame ionization

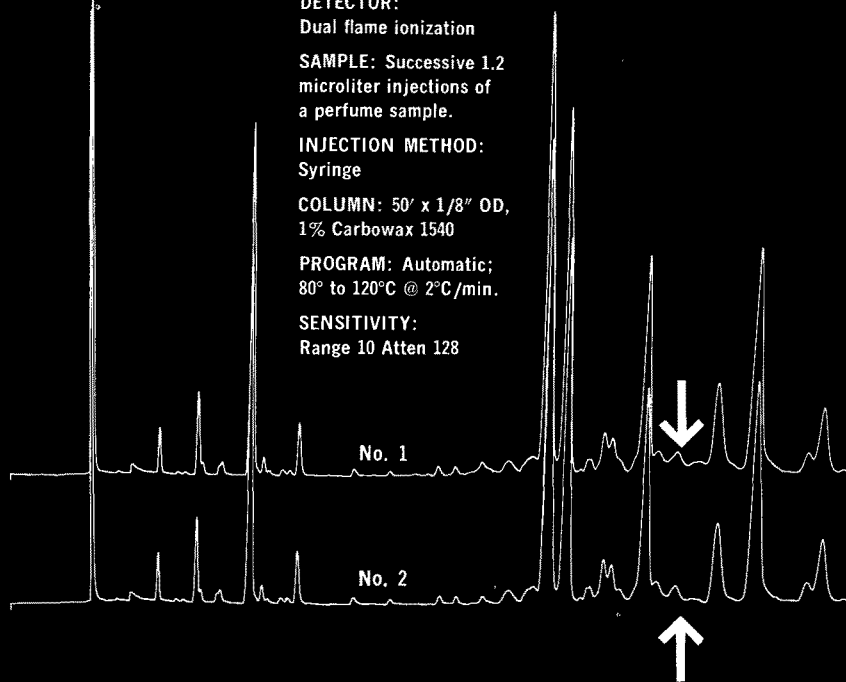
SAMPLE: Successive 1.2 microliter injections of a perfume sample.

INJECTION METHOD:
Syringe

COLUMN: 50' x 1/8" OD, 1% Carbowax 1540

PROGRAM: Automatic; 80° to 120°C @ 2°C/min.

SENSITIVITY:
Range 10 Atten 128



Reproduced above are two chromatograms. If they look like one and the same to you, examine them closely at the arrow and you'll see that they are different at this point, however slightly. At every other point, the two chromatograms are precise reproductions, one of the other, both in peak areas and retention times. ■ What's their meaning? ■ Because the two chromatograms were produced by successive injections of identical samples into the F & M Series 810 Research Gas Chromatograph, they demonstrate that the 810 is capable of a level of precision, for both qualitative and quantitative reproducibility, that is all but perfect. The results are even more impressive when you consider that these are not carefully cultivated "hot-house" chromatograms, but rather the "push-button" variety that is attainable by any qualified operator (our chemist manually injected samples and then pushed the START button . . . the 810 did the rest). As a matter of fact, the 810's excellent reproducibility demonstrated here, is due precisely to its extensive automation, which eliminates all manual resetting of any kind between runs, thus eliminating the human error that necessarily goes hand-in-hand with such adjustments. ■ If you're looking for precision in GC analysis, it will pay you to write for Bulletin 8100 and to talk to your F & M Representative about the Series 810 Research Gas Chromatograph, "an instrument that can do just about anything that can be done by gas chromatography, as well as gas chromatography can do it."

■ F & M Scientific Corporation, Route 41 and Starr Road, Avondale, Pennsylvania; phone (215) 268-2281. In Europe: F & M Scientific Europa N. V., Basisweg, (Sloterdijk) Amsterdam, The Netherlands.



In the final analysis, it's F & M

• Names in the News

A. C. Zettlemoyer (1948), distinguished professor of chemistry at Lehigh University, has been named editor-in-chief of the *Journal of Colloid Science*. Devoted to surface and colloid science, the publication was established 20 years ago by V. K. La Mer, retiring editor, and is currently published by the Academic Press.

Dr. Zettlemoyer is also director of the National Printing Ink Research Institute which is located at the University. He has traveled widely as a lecturer and teacher throughout the United States, Europe and Japan, and has directed many major research projects.

J. D. Barnhurst (1963) has been promoted to the position of Manager, Analytical Chemistry and Hair Research Section of the Colgate-Palmolive Company Research Center. Associated with the company since 1965, Dr. Barnhurst had previously been head of the Basic Research Center. In his new position, he will be responsible for both research and services and the analytical chemistry field as well as research into hair fiber technology.

R. T. Hunter, Jr. (1958) has been named head of the Laundry and Dishwashing Products Evaluation Section of the Colgate-Palmolive Company Research Center. Mr. Hunter joined the company as a chemist in 1958. Prior to his promotion, he had been working in the Exploratory Products Section.

Edgar Crane has been promoted to Manager of Manufacturing of the Chemicals Division of the Richardson Company, Melrose Park, Ill. He has held a number of responsible positions with Richardson since he joined the firm in 1950.

The election of W. J. Shelley and C. W. Swartout as Vice Presidents of Mallinckrodt Chemical Works, St. Louis, Mo., has been announced by H. E. Thayer, President. Mr. Shelley is Manager of the company's Uranium Division, with primary responsibility for the operation of the Weldon Spring, Mo., facility of the Atomic Energy Commission. Mr. Swartout is General Manager of the firm's Personnel Division.

B. M. Roscoe and J. M. Peebles have been appointed to the sales staff of The R. J. Brown Company, Indianapolis Division. Mr. Roscoe was transferred from Cleveland, Ohio, where he was employed by Allied Oil Company. Mr. Peebles taught in the Indianapolis school system before joining The R. J. Brown Company.

W. P. Noonan and Warren LaVigne have joined the sales staff of the R. J. Brown Company's sales office in Chicago. Mr. Brown was formerly a casualty and life insurance writer; Mr. LaVigne is a graduate of Monmouth College, Monmouth, Ill.