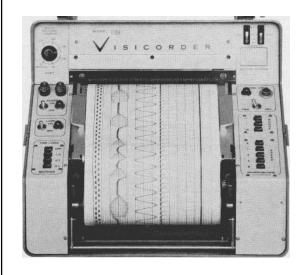


## VISICORDER



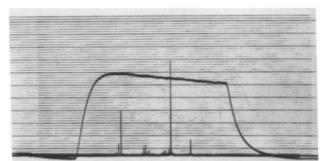
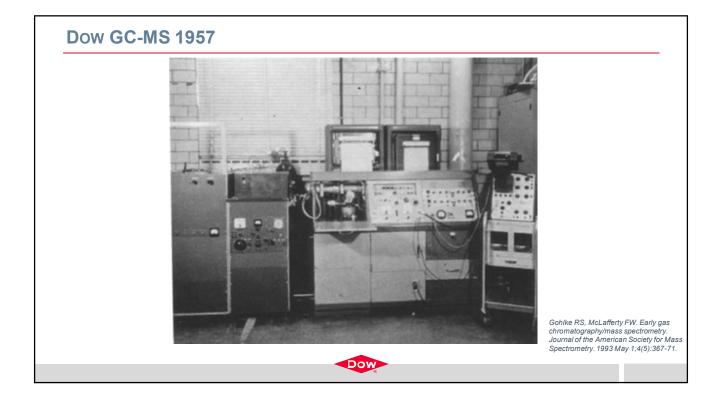


Figure 6. Visicorder mass spectrum of GC-eluted acetone fraction recorded simultaneously with the total ion current from corresponding GC peak, with  $\sim 2 \text{ s.}$ 

Gohike RS, McLafferty FW. Early gas chromatography/mass spectrometry. Journal of the American Society for Mass Spectrometry. 1993 May 1;4(5):367-71.

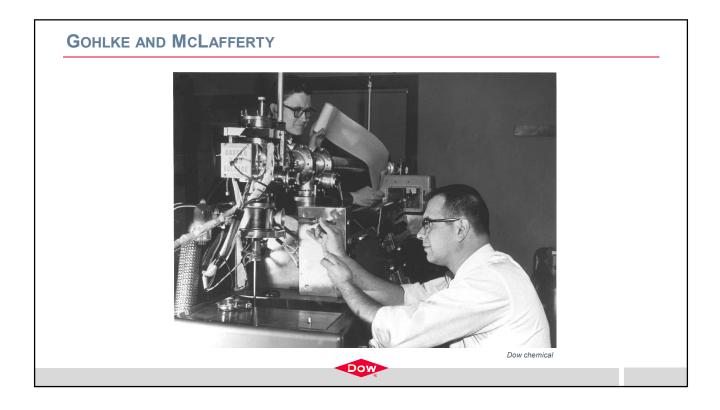
science.sciencemag.org.



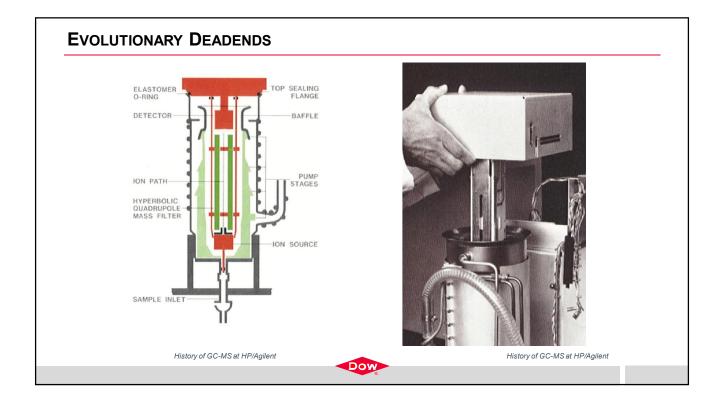
Dow

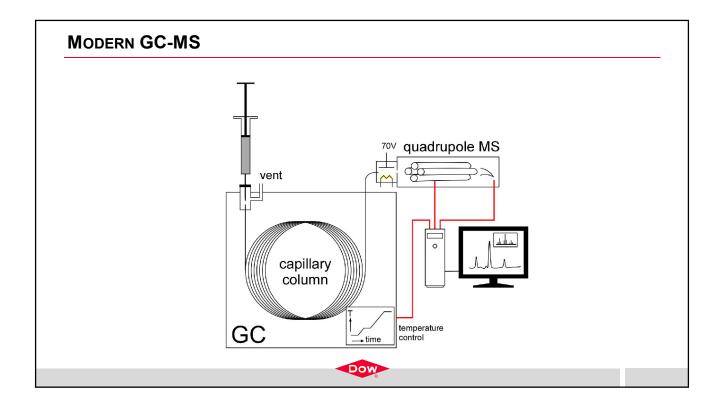
## GOHLKE AND MCLAFFERTY

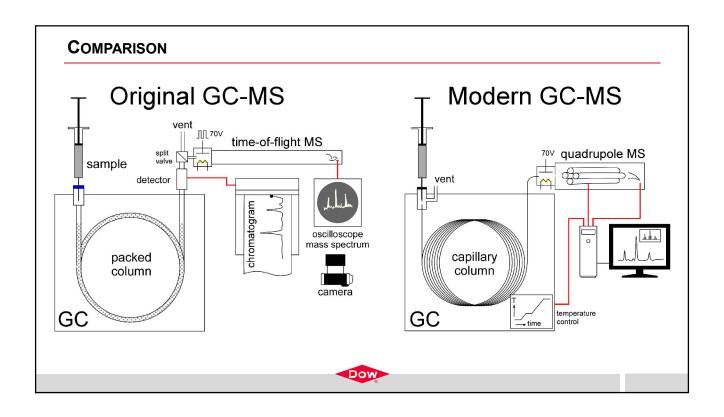




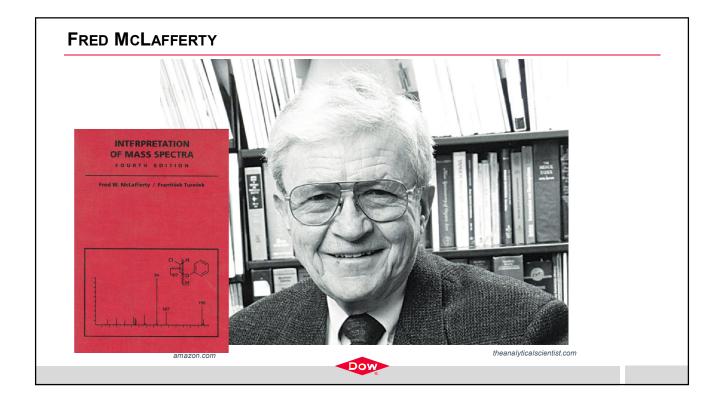




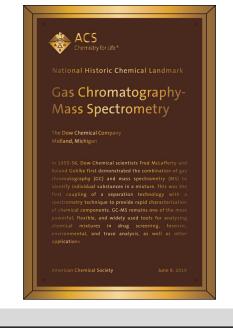








## NATIONAL CHEMICAL HERITAGE LANDMARK



In 1955-56, Dow Chemical scientists Fred McLafferty and Roland Gohlke first demonstrated the combination of gas chromatography (GC) and mass spectrometry (MS) to identify individual substances in a mixture. This was the first coupling of a separation technology with a spectrometry technique to provide rapid characterization of chemical components. GC-MS remains one of the most powerful, flexible and widely used tools for analyzing chemical mixtures in drug screening, forensic, environmental, and trace analysis, as well as other applications.

