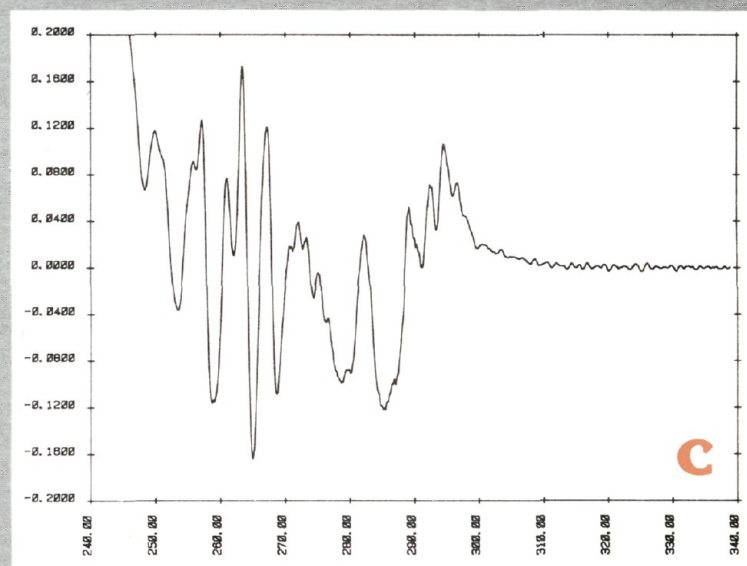
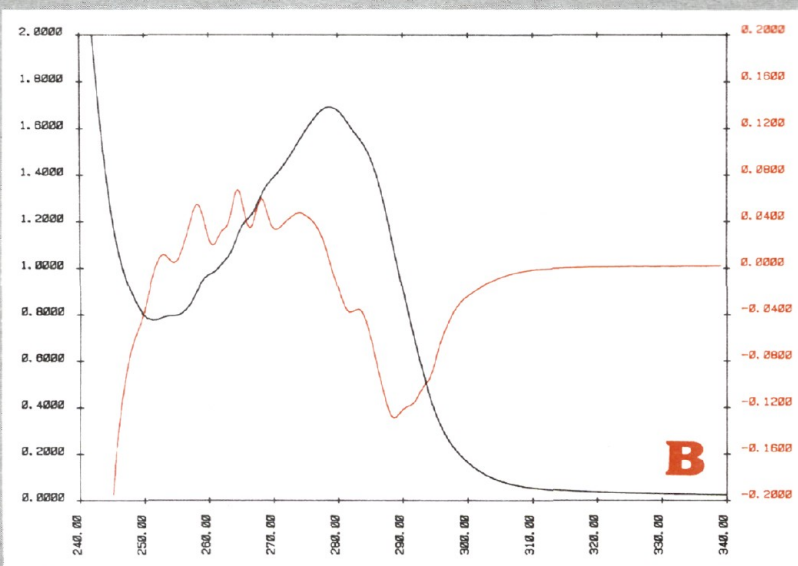
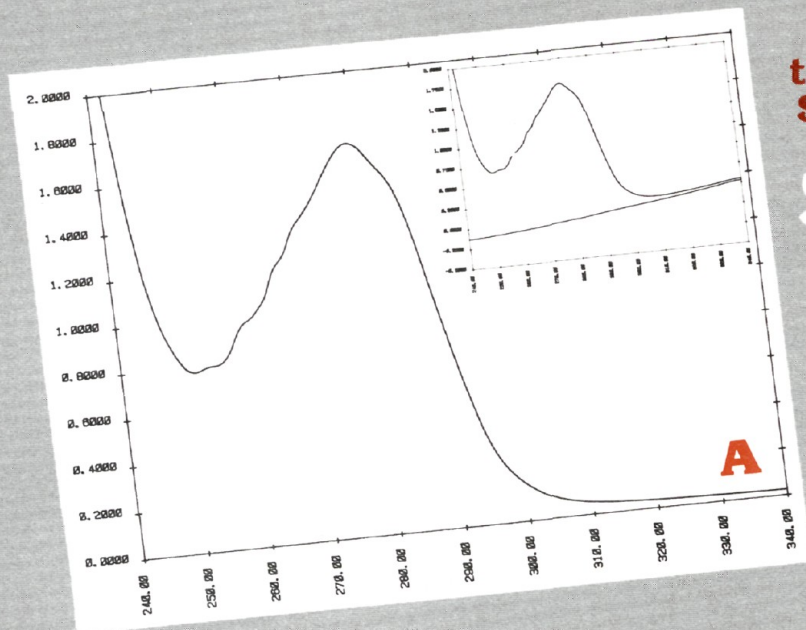


**Gilford's  
System 2600,  
the Definitive UV-VIS Computing  
Spectrophotometer**

# So Much Information From a Single Scan...

Though the accompanying graphs speak much louder than words, there are some special System 2600 capabilities you should know about:



**A** First, during a single scan, the microprocessor stores all the data the spectrophotometer measures. Automatically.

Once stored, this data can be manipulated in many ways. In our example, we assayed 0.3gm% of Bovine Serum Albumin in a 0.1M phosphate buffer, scanning from 240 to 340nm in 0.1nm steps. Graph A shows System 2600's replotting capability: we ran reference and sample separately (inset) and then System 2600 automatically plotted the difference spectrum.

**B** The second graph shows that difference spectrum with the first derivative automatically overlaid. We used a data window of 10 points. Note the automatic replotting, too, of the derivative scale on the alternate Y-axis.

**C** The third graph shows the second derivative by itself, produced digitally (like all derivatives) by System 2600. Here we used a data window of 5 points, with 5X amplification.

System 2600 does it all, presenting the data in its most significant format without rescanning. What's more, the system prechecks the validity of the data before "reformatting" it. It takes but the smallest fraction of a second, to save what sometimes seems like a lifetime of data-gathering.

System 2600: efficiency, flexibility and accuracy. Value that transcends its moderate price.

For further information, call or write  
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132 Artino St., Oberlin, OH 44074.  
(800)321-3881, toll free, or (216) 774-1041.

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