Our Academic Ancestors

It is hard to overlook the fact that our faculty, for the most part are academically descended from three men: Berthollet, Berzelius, and Fourcroy. There is disagreement

0 apoleon was able to escape from 6gypt in a secret, hazardous voyage back to France in '+((. #e chose Berthollet and another savant to accompany him. Berthollet was later cited for his bravery in 6gypt and was rewarded financially and other ways.

CThe French army surrendered, and among the spoils of was the Dosetta 2tone that was useful in being able to translate 6gyptian hieroglyphics. It is now in the British > useum in the Bloomsbury district of \$ondon.E

Jöns Jacob Berzelius (1779-1848)

Berzelius was the 2wedish chemist who provided us with the concepts of isomerism and catalysis, with blowpipe analysis, ash correction in gravimetric analysis, the system of notation of chemical formulas that we use today &e.cept that he favored superscripts instead of subscripts), the atomic weight &mass) concept, electrochemical series, a low of combining weights, and the encouragement of \$atin!based names &for the sake of wider acceptance).

#e was a noted teacher. #is students included ?melin, #. and ?. Dose, >agnus, %Fhler, and >itscherlich. These persons later made significant contributions to chemistry.

#e was well!regarded in his time, both locally and internationally. %hen he married for the first &and last) time at the age of -5, the Aing of 2weden granted him a barony as a wedding present. Ten years after his death, he was honored by a statue in a 2tockholm park &Berzeli ark). It is reported that his widow &;1 years his "unior) was asked patronizingly at a social event what her husband did, and Baroness Berzelius responded, *:h, my husband. %ell, he3s a statue in Berzeli ark4 &Dussell, '((,)).

#is personal background was provided by Dussell &'((,). Berzelius was born in

Fourcroy received his medical education, then became a professor of chemistry at the Lardin du Doi in '+,8, following the death of > ac9uer & the same time Berthollet assumed > ac9uer3s position as superintendent of the French dyeing industry).

The three scientists "oined with \$ouis Bernard ?uyton de > orveau in an effort to reform chemical nomenclature &'+,+). 7 mong the reforms was avoiding names based on places &6psom salts, for e.ample). They were influential in large part because of the popularity of a te.tbook written by Fourcroy that was widely translated.

Fourcroy helped prevent the destruction of learned societies during the French revolution. Lac9ues \$ouis @avid was a ma"or opponent. @avid,was the founder of the French classical school of painting, and his paintings include a well!known portrait of \$avoisier and his wife.

#is research efforts involved organic chemistry during the sub"ect3s primitive period. For e.ample, he and Gau9uelin proved that ethyl ether, prepared by the action of sulfuric acid on ethanol, and called * sulfuric ether4 did not contain sulfur. The two men also prepared highly pure urea, and they studied substances of medical interest.

Literature

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