According to legend, King Midas was a Phrygian king who could turn anything he wanted into gold. In 1957, the archaeologists from the University of Pennsylvania began excavation upon the largest tumulus in central Turkey, a tomb dating to his reign. While there were no indications of tomb robbers, no gold was ever found—bronze, iron, leather, furniture, textile fragments, a body, but no gold. MCI was approached to help identify some textile specimens associated with the bier and other furniture. This talk will review the analytical work undertaken at MCI on the textiles and some surprising results.