

Scope of STURP Experimental Investigation

Among the methods used to gather data were direct microscopy, infrared spectrometry, X-ray fluorescence spectrometry, X-ray radiography, thermography, and ultraviolet fluorescence spectrometry. In addition, a broad spectrum of photographic data was collected. Ultraviolet fluorescence photographs, raking-light photographs, normal front-lit photographs and backlit photographs of the entire Shroud were taken as well as dozens of micro-photographs of strategically selected areas of the Shroud. The **STURP** team also collected sticky tape samples from the surface of the Shroud cloth as well as thread samples that were retained for further studies after the team's departure from Turin. Subsequent studies of these samples were conducted using microscopy, pyrolysis-mass-spectrometry, laser-microbe Raman analysis and various methods of micro-chemical testing. In addition, sticky tape samples taken from the Shroud surface were returned to the United States for further analysis. The results of the **STURP** research were published in twenty (20) peer reviewed scientific journal articles over the four years following the team's conclusion of work in Turin.