

XXII. *Observations on the Heat of the Bath and Bristol Water, by Mr. John Canton, A. M. F. R. S.*

Bath, Sept. 2, O. S. or the 13th N. S. 1752.

Read July 3,
1767. **A**FTER pumping about $\frac{1}{4}$ of an hour, a Fahrenheit's thermometer, held in the stream from the common pump of the king's bath, was raised to 112° . The stream from the common pump of the hot bath raised it to $114^{\circ}\frac{1}{4}$. At the pump of the cross bath, it stood at 110° . At noon, the heat of the shaded air was 66° , and of common water exposed to it 61° . I found the bath water, and common water, brought to the same degree of heat, to cool equally fast. The next day, Sept. 14, I was at the hot-well near Bristol, the water of which raised the thermometer to 76° . In common water exposed to the shaded air it stood at 62° .

J. Canton.