

THE ELECTRONIC EMISSION SPECTRUM OF CuCl

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The electronic emission spectrum of CuCl has been observed. The spectrum was observed when CuCl powder and Cu metal were placed in a copper hollow cathode lamp operated with He gas. On the basis of recent *ab initio* calculations, the labels for the electronic states were revised and the 0-0, 0-1 and 1-0 bands of the $a^3\Sigma_1^+ - X^1\Sigma^+$ ($A^1\Pi - X^1\Sigma^+$), $b^3\Pi - X^1\Sigma^+$ ($B^1\Pi - X^1\Sigma^+$), $b^3\Pi_0 - X^1\Sigma^+$ ($C^1\Sigma^+ - X^1\Sigma^+$), $A^1\Pi - X^1\Sigma^+$ ($D^1\Pi - X^1\Sigma^+$) and $B^1\Sigma^+ - X^1\Sigma^+$ ($E^1\Sigma^+ - X^1\Sigma^+$) transitions were measured. The old labels are in parentheses. Improved band constants were obtained for the excited and ground states.