$J/\psi$ Photoproduction at GlueX LUKE ROBISON, Northwestern University, GLUEX COLLABORATION — The GlueX experiment at Jefferson Labs Hall D in Newport News, VA is devoted to the study of hadron spectroscopy by using a photon beam of up to 12 GeV in energy, incident on a proton target. We present the first measurements in 40 years of $J/\psi$ photoproduction from the threshold of 8.2 GeV up to $\sim$11.5 GeV. This measurement provides insight into the gluon distribution and multi-quark correlations in the nucleon. We measure the energy dependence of the cross section of $J/\psi$ photoproduction: $\gamma p \rightarrow J/\psi, J/\psi \rightarrow e^+e^-$. Preliminary results for these measurements are presented and compared to the theoretical models and previous photoproduction measurements in this energy range.