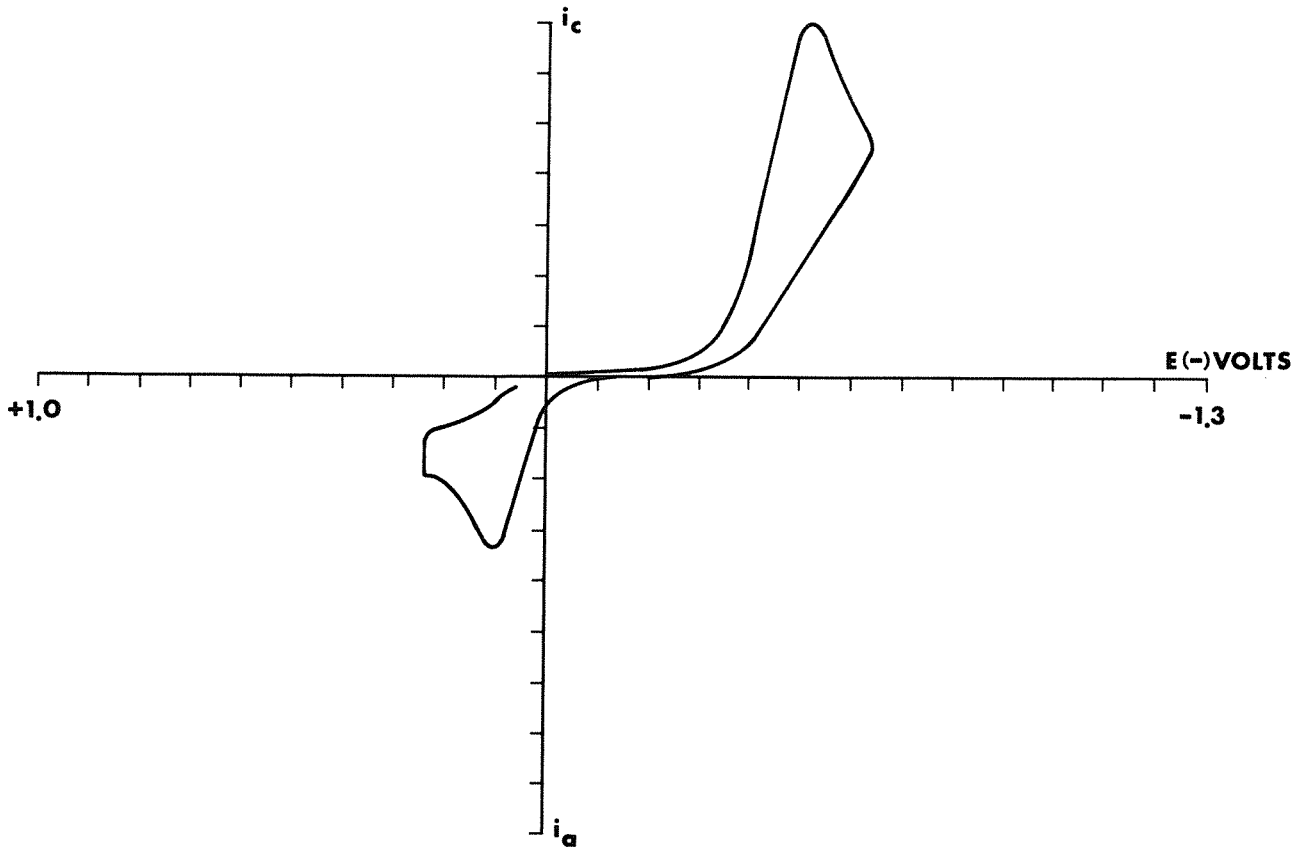
CV NOTES

URANYL NITRATE

$UO_2(NO_3)_2$



SAMPLE:	Uranyl Nitrate
MEDIUM:	0.05 M $HClO_4$
CONC:	0.8 mg/ml
RATE:	200 mV/sec
ELECTRODE:	Hg on Au
REFERENCE:	RE-1, Ag/AgCl/DM KCl
MODEL:	CV-1A

Cyclic voltammetry has proven to be very useful to the inorganic chemist. It is an invaluable tool for characterization of newly synthesized compounds. For example, if an inorganic chemist finds the reduction potential of a compound by CV, he can determine an appropriate chemical method for the same oxidation. Furthermore, he can use CV to check the purity of his new compound. This CV represents the facile reduction of +6 state of uranium. Since water is present, the reduction product is rendered irreversible by hydrolysis.

BAS
2701 Kent Ave
West Lafayette
Indiana 47906