needed to substantiate this.

Since the value of the activation volume for creep in indium is less than the atomic volume and of the same relative magnitude as for the close packed metals (Table III) it appears that a large activation volume is unique to aluminum. At present the activation volume in indium has not been measured by diffusion studies, nor have any calculations of the vacancy formation volume been made thus preventing any comparisons from being made.

ACKNOWLEDGMENTS

We wish to acknowledge the support of the U. S. Atomic Energy Commission. We also thank the Advanced Research Projects Agency, for support through the facilities of the Materials Science Center at Cornell University.