

APPENDICES A AND B
APPLICATION FOR
SPECIAL NUCLEAR MATERIAL LICENSE
by
CLEVITE RESEARCH CENTER
Division of Clevite Corporation

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APPENDIX A

Experience and Training
of Principal Staff Members
Engaged in Clevite Research Center
Nuclear Program

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ARTHUR D. SCHWOPE - Manager, Materials Division, has been with Clevite Research Center since 1953. Previously he had spent several years with Battelle Memorial Institute. His work in the nuclear field includes extensive experience in the research and development of nuclear reactor fuel element alloys and the fabrication of the elements. He received his B. E. in Chemistry from Marquette University and his M. S. in Metallurgy from Ohio State University.

JOSEPH F. CERNESS - Head, Bearing and Friction Materials Section, transferred to Clevite Research Center in 1953 after having been with Cleveland Graphite Bronze Company since 1940. He has a B. S. and M. S. in Metallurgy from Case Institute of Technology. He has extensive experience in research and development of alloys for bearing purposes with emphasis on bonding to form bimetallic materials which can be rolled, formed and worked into various shapes and still maintain specified structures and properties; fundamental work on single crystal, high-purity metals for semiconductors; and research on materials for use with reactors and air-borne power systems.

GAIL F. DAVIES - Staff Engineer, Process Development Section, performed research on titanium and its analysis and fabrication; worked with explosive powders, high vacuum equipment, etc. He has been with the Clevite Research Center and a predecessor, Brush Laboratories Company, since 1948. Prior to that he was with Johnson Bronze Company and Cleveland Graphite Bronze Company.

HANS JAFFE - Manager, Physics Division, received his Ph. D. in Physics from Goettingen. He has been with Clevite Research Center and Brush Laboratories, a predecessor, since 1940. His work has been in piezoelectricity, crystal optics, electric properties of metal-ammonia compounds, growth of single crystals and ferroelectric compounds.

ROBERT D. JOHNSON - Head, Nuclear Metallurgy Section, joined Clevite Research Center in 1956. He received a B. S. in Physics from Baldwin-Wallace College, and M. S. in Physics and a Ph. D. in Physical Metallurgy from Case Institute of Technology. While with North American Aviation and Battelle Memorial Institute he conducted fundamental studies on creep and plastic deformation of metals, dimensional instability of uranium, and the effects of reactor and cyclotron irradiation on intermetallic and self-diffusion and on physical and mechanical properties of alloys.

GRANT W. LA PIER - Head, Process Development Section, has had experience in the development of metals and alloys to meet specific physical properties. He has supervised the metallurgical control for the production of sleeve bearings for strategic war equipment. He has managed plant operations for the production of aircraft and diesel engine bearings which involved detailed specifications and standards. He has supervised the production of fuel elements and parts thereof and currently is engaged in this type of work. He has cooperated with other companies in the study of nuclear projects.

