

MC 27.2

Engineering Papers

Written by both faculty and students from 1938-1981

Collection

Acquisition: Boxes found in Scholes Library, Harder Hall.

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The New York State College of Ceramics at Alfred University, Scholes Library

Series Descriptions:

Filed in the Vertical Files, B Cabinet.

Drawer B/A contains variety of papers written by faculty and students. The date ranges from 1938 through 1981, with many papers undated.

Drawer B/B and B/C contain reports prepared for different contracts, including the Air Force.

Note

See also MC-35 Notebooks & Papers for class notes prepared by faculty and student papers.

B/A.1

Gray, Thomas J. and Giess, Edward A. Certain aspects of diffusion and conduction in alkali halides. [1959]

Chung, Dae-Hyun, Crandall, W.B. and Gray, Thomas. Significance of grain boundary and impurity on mechanical properties of aluminum oxide. [5-1-62]

Crandall, W.B., Chung, D. H. and Gray, T.J. The mechanical properties of ultra fine hot-pressed alumina. [February 1960]

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Gray, Thomas J. and Kowalczyk, Louis N. A Microbeam probe mass spectrometer applied to ceramic microstructure. [?]

McMurty, Carl, Gray, Thomas and Crandall, William. Mineral Beneficiation: the application of shaken haliciods in mineral beneficiation. Gulf Research Fellowship [1957-1958]

Gray, Thomas J. and Darby, P.W. Semi-conductivity and catalysis in the nickel oxide system. [February 1956]

Gray, Thomas J. Fuel Cell Research. An investigation of non-steady state operation. [?]

Gray, Thomas J. and Zope, J.K. Electron microbeam probe techniques for studying grain boundaries in polycrystalline ceramics. [?]

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Gray, Thomas J., Schneider, A.A., Rozelle, R. B. and Soeder, M.L. Application of galvanostatic studies to fuel cell electrodes. [?]

Gray, Thomas J. and Pryor, M.J. Oxidation kinetics. [?]

Gray, Thomas J. and Harrison, P.G. The kinetics of f-center formation in alkali halides as a function of precipitation at dislocations. [?]

Gray, Thomas J. and Oswin, H.G. Isomerization. Cities Service Research Fellowship. [1-30-59]

Gray, Thomas J. and Masse, N.G. Hydrogenation. Cities Service Research Fellowship. [9-30-58]

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Gray, Thomas J., Rossington, David R. and Masse, Norman G. Catalysis in the Fischer-Tropsch synthesis. M.W. Kellogg-Cities Service Research Fellowship. Quarterly report. [3-31-58]

Gray, Thomas J. Catalysis in the Fischer-Tropsch synthesis. Kellogg-Cities Research Fellowship. [Period of April 1, 1956 - June 30, 1956]

Gray, Thomas J. and Schneider, A.A. An investigation of non-steady-state operation. Fuel Cell Research. [1-15-64]

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Schiltmeier, W., Pfaffinger, K. and Raine, T. Structure and strength effects in cvd titanium carbide and titanium nitride coatings. [1976]

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Lane, Richard. The polishing of glass. American Optical Company Research Fellowship. [12-31-60]

Verduch, Antonio Garcia. Production of a lightweight material very rich in silica. [8-1-58]

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Gray, T.J. The Fischer-Tropsch Process. M.W. Kellogg Cities Services Research Fellowship. Oct. 1953 – October 1954. (Administrative & Confidential parts)

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Gray, Thomas J. Bibliography of ferrites. [Dec. 1956]

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- Condrate, R.A., Sr., Smith, C.F., and Votava, W.E.. The DIR Spectra of Titanium-Containing Vitreous Silica. Based on Ph.D. thesis submitted by C.F. Smith. [Aug. 1973]
- Kowalczyk, L.N. and Condrate, R.A., Sr.. The Vibrational Spectra of Spodiosite Analogs. Based on Ph.D. thesis submitted by L.M. Kowalczyk. [May 1972]
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- Bhargava, R.N. and Condrate, R.A., Sr.. The Vibrational Spectra of VPO_5 Crystal Phase and Related Glasses. Based on a M.S. thesis submitted by R.N. Bhargava. [1976]
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Technical Status Report No. 6. July 1, 1956 - Sept. 30, 1956.

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Technical Status Report No.12. Jan. 1, 1958 - March 31, 1958.
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Final Report. A Critical Study of the Manufacture of Soft-Mud Building Brick [July 1948]

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Rinoud Hanna and W.B. Crandall

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D. H. Chung and W. G. Lawrence

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The Stress-Strain Behavior of Strontium Zirconate.

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Contract No. NOw 65-0131-d

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WADC Technical Report 55-82. The Heat-Treatment, Reinforcement, and Cladding of Titanium CarbideCermets. [December 1954]

WADC Technical Report 55-489 Reinforcement and Cladding of Cermets. [December 1955]

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Progress Report No.3. [July 10-Oct. 10, 1954]

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E.J. Soxman, R.E. Wilson

Report No. 45 Automatic Recording Balance for the Study of High Temperature Oxidation of Materials. [November 1950]

Report No. 46 Temperature in Uncooled Ceramic Lined Rocket Walls and Further Evaluation of Rocket Lined Materials. [December 1950]

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David R. Rossington

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V. D. Frechette and Yung Tao

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NYO-3762 [June 30, 1953, issued August 30, 1953]

NYO-3763 [September 30, 1953, issued October 1, 1953]

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Contract No. AF33(616) 3172

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Quarterly Progress Report No. 1 [September 1, 1955 – November 30, 1955]

Quarterly Progress Report No. 2 [December 1, 1955 – February 29, 1956]

Quarterly Progress Report No. 3 [March 1, 1956 – May 31, 1956]

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J. R. Tinklepaugh.

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