A Practical Application of Operational Research to the Working of Glass Tanks II., by M. Spilman.

FRENCH, per, Silicates Industriels, Vol XXIV, pp 440-445.

CSIRO

Sci - Engr
Oct 61

171,301

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Physico-Chemical Interpretations of a Differential Thermal Analysis, by M. Rey, V. Kostomaroff.

FRENCH, por, Silicates Industriels,
Vol XXIV, No 12, 1959, pp 603-614.

CSIRO

191, 721

Sci - Engr
Apr 62

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Gottardi, V. and Bonetti, G.
THE STARTING PHASES OF THE CORROSION BETWEEN VARIOUS GLASSES AND ELECTROCAST REFRACTORIES (Les Phases Initiales de la Corrosion entre Differents Verres et les Refractaires Electrofondus). Paper presented at the Symposium for Electrochemistry of the Belgian Association for the Advancement of the Study of Glasses and Silicaceous Compounds, Brussel, 1960. [1963] [27p] (foreign text included) 6refs
Order from SLA $2.60 TT-64-10582

Trans. of Silicates Industriels (Belgium) 1961, v. 26 [no. 1] p. 9-16.

DESCRIPTORS: *Corrosion, *Glass, *Refractory materials, Microstructure, Hardness, Surface properties.

(Materials--Ceramics, TT, v. 11, no. 9)

TT-64-10582

I. Gottardi, V.
II. Bonetti, G.
III. Title: Symposium . . .

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Kissel, R. R.
INTERNATIONAL FLAME RESEARCH FOUNDATION: ORGANISATION, DESCRIPTION OF THE IJMUIDEN STATION AND ITS MEASURING APPARATUS. Nov 63
Order from BGIRA BGIRA-588

Trans. of Silicates Industriels (Belgium) 1961 [v. 27] no. 10, p. 451-468.

DESCRIPTORS: *Glass, Melting, Flames, Industrial research.

(Materials--Ceramics, TT, v. 11, no. 10)

TT-64-12361

I. Kissel, R. R.
II. Title: Ijmuiden Station
III. BGIRA-588
IV. British Glass Industry Research Association, Sheffield (England)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Characterization and Industrial Utilization of "El Rosado" sericite., by D. Estrada, C. Conde. GERMAN, per, Silicates Industriels, Vol. 27, No. 5, 1962, pp 243-249.
CSIRO/No. 6810

Sci -
July 1967

334-573

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Godron, Y.
POLARISATION OF REFRACTORIES PLACED AT CONSTANT TEMPERATURE IN CONTACT WITH GLASSES OR MOLTEN SALTS. July 63.
Order from BGIRA BGIRA-572

Trans. of Silicates Industriels (Belgium) 1963, v. 28, no. 1, p. 19-27.

DESCRIPTORS: *Refractory materials, *Polarization, Glass, Salts, Melting, Temperature,

(Materials--Refractories, TT, v. 11, no. 1)

TT-63-22444

I. Godron, Y.
II. BGIRA-572
III. British Glass Industry Research Association

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Delrieux, J. and Rocco, D.
THOUGHTS ON THE FRACTURE OF THERMAL ORIGIN OF REFRACTORIES SUBJECTED TO SERVICE CONDITIONS. [1963].
Order from BGIRA BGIRA-569

Trans. of Silicates Industriels (Belgium) 1963, v. 28, no. 2, p. 59-70.

DESCRIPTORS: *Refractory materials, Thermal stresses, Fracture (Mechanics).

(Materials--Refractories, TT, v. 10, no. 7)

63-17974

I. Delrieux, J.
II. Rocco, D.
III. BGIRA-569
IV. British Glass Industry Research Association

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Behavior of Glass Materials in the Fire,
by J. P. Fackler. 30 p.
FRENCH, per, Silicates Industriels,
Vol 28, 1963, pp 89-99.
SLA TT-66-10684

Sci-M&M
Jul 66

306,008

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Peyches, I.
NEW STUDIES ON THE STRUCTURE OF VITREOUS STATES. [1963] [BGIRA] no. 577.
Order from BGIRA BGIRA-577

Trans. of Silicates Industriels (Belgium) 1963, v. 28, no. 5, p. 223-229.

DESCRIPTORS: *Ceramic materials, Structural properties.

(Materials--Ceramics, TT, v. 10, no. 12)

63-22897

I. Peyches, I.
II. BGIRA-577
III. British Glass Industry Research Association

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Acloque, P.
FUNDAMENTAL IDEAS ON THE FRACTURE OF GLASS. Feb 64.
Order from BGIRA BGIRA-600

Trans. of Silicates Industriels (Belgium) 1963, v. 28, no. 7/8, p. 323-331.

(Materials--Ceramics, TT, v. 12, no. 2)

TT-64-12949

I. Acloque, P.
II. BGIRA-600
III. British Glass Industry Research Association, Sheffield (England)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Tarte, P.
NEW APPLICATIONS OF INFRARED SPECTROMETRY TO PROBLEMS OF CRYSTAL CHEMISTRY.
Feb 64.
Order from BGIRA BGIRA-599

Trans. of Silicates Industriels (Belgium) 1963, v. 28, no. 7/8, p. 345-354.

(Chemistry, TT, v. 12, no. 2)

TT-64-12948

I. Tarte, P.
II. BGIRA-599
III. British Glass Industry Research Association, Sheffield (England)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

The Fine Structure of Glasses Shown by Microscope and Electron Diffraction Studies, by C. Sella, and others, BELGIAN, per, Silicates Industriels, Vol 29, 1964, No 1, pp 15-23
BGIRA 623

Sci - Met
June 67

327,456

Study to Find a Method for Rapid Assessment of Reactivity of pfa Ash and Pozzolans Added to Cement, by J. Forest, E. Demoulian.
FRENCH, par, Silicates Industriels, Vol 29, No 7-8, 1964, pp 265-278.
(TRS. 1299)
CSCE 3965

314,359

Sci - Materials
Nov 66

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Stepanenko, M. G.
ESTABLISHING THE CORRECT DESIGN FOR REGENERATORS (Festlegung der Zweckmässigen Abmessungen von Regeneratoren) tr. from Russian by Y. Kvederavich. [1962] [19]p. (foreign text in German included) 16 refs.
Order from SLA $1.60 62-10947

Trans. of Silikat Technik (East Germany) 1953, v. 4, no. 4, p. 147-150 (originally pub. Steklo i Keramika (USSR) 1950, v. 7, no. 2, p. 5-9.

DESCRIPTORS: *Glass, Melting, *Furnaces, *Heat exchangers, Design, Corrections

(Materials--Ceramics, TT, v. 8, no. 6)

62-10947

I. Stepanenko, M. G.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Schlitzer, Leon.
A NEW MATERIAL FOR CERAMIC MASTER-MOLDS. [1963] 5p.
Order from SLA $1.10 63-16056

Trans. of Silikat Technik (East Germany) 1951, v. 2 [no. 3] p. 80.

DESCRIPTORS: *Molding, Ceramic materials, *Molding materials, *Gypsum, Mechanical properties, Physical properties.

(Materials--Ceramics, TT, v. 10, no. 4)

63-16056

I. Schlitzer, L.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

The Surface Tension of Silicate Melts, by
A. A. Appen, K. A. Schischow, S. S. Kajalowa,
1 pp.

GERMAN, per, Silikattechnik, Vol IV, No 3,
1953, pp 104-105.

Broken Hill Proprietary
Co Ltd CRL/T 270

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Frank, H. H.
TECHNICAL-ECONOMIC INDEXES FOR THE FURNACES OF THE GLASS INDUSTRY (Technisch-Wirtschaftliche Kennziffern für die Öfen der Glasindustrie). [1962] [25]p. (foreign text included) 6 refs.
Order from SLA $2.60 62-10930

Trans. of Silikat Technik (East Germany) 1953, v. 4, no. 5, p. 195-199.

DESCRIPTORS: *Glass, Production, Economics, Indexes, Management engineering.

(Materials--Ceramics, TT, v. 8, no. 6)

62-10930

1. Frank, H. H.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Schönborn, Herbert.
THE THERMAL ENDURANCE OF GLASS IN RELATION TO ITS RESISTANCE TO THERMAL SHOCK AS A PROPERTY OF THE MATERIALS (Die Wärmefestigkeit des Glases unter besonderer Berucksichtigung der Abschreckfestigkeit als einer Werkstoffeigenschaft). [1963] [35p] (foreign text included) 18refs
Order from SLA $3.60 63-20373

Trans. of Silikat Technik (East Germany) 1953, v. 4, no. 10, p. 435-442.

DESCRIPTORS: *Glass, Shock resistance, Thermal stresses, Mechanical properties.

After general remarks on the nature of the thermal endurance the thermal shock resistance of glass as a property of the material is fully discussed. Investigations are conducted on the influence of various factors (Materials--Ceramics, TT, v. 10, no. 12) (over)

63-20373

I. Schönborn, H.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

An Accurate and Rapid Method for the Determination of Fluorine in Glasses and Raw Materials Containing Fluorine, by Werner Vogel, 11 pp.

GERMAN, per, Silikattech, Vol 4, 1953, pp 483-485.

S.L.A. Tr 1419/1956

43,575

Sci-Physics
Feb 57 CTS/dex

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Foam Glass, Part I - Properties and Application, by M. Hubscher.
GERMAN, per, Silikattechnik, June 1954, pp 243-247.
BISI 4570

Sci-M&M
May 66

299,804

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

The Influence of Test Conditions on the Measured Mechanical Strength of Glass, by H. Schonborn, 14 pp.

GERMAN, per, Silikattechnik, Vol IV, No 12, 1953, pp 531-535.

SLA Tr 57-752

Sci - Engr

53,143

Sep 57

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

The Stress-Removal and Cooling of Hollow Glasses With Standard Composition, by Fritz Korner, 20 p.

GERMAN, per, Silikat Technik, 1958, Vol V, No 4, pp 147-150.

SLA 59-15326

Sci
Dec 59
Vol 2, No 6

103,939

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Experiences With a New Heat Exchanger for Wet Process Rotary Kilns, 6 pp.

GERMAN, PER, Silikattechnik, Vol 7, Oct 1954, pp 446-447.

S.L.A. Tr 160
32,880

~~Eng~~ Germany
Scientific - Engineering

Foam Glass, II - The Technique of Producing Foam Glass, by E. O. Schultz.
GERMAN, per. Silikattechnik, Vol VIII, Aug. 1954, pp 343-346.
BISI 4571

Sci-Mgt
May 66 300,936

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

S

Silicone Films on Glass Surfaces. Part 1,
by H. Wessel
GERMAN, per, Silikattechnik, Vol. 6,
Jan 1955, pp. 3-9.
C.E. Trans. 5044

Feb 1971

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

The Chemical Composition of Vacuum-Technique Glasses, by Oscar Knapp, 5 pp.

GERMAN, no pers, Silikattechnik, Vol VI, Book 3, Mar 1955, pp 99-104.

SLA TT-64-10481
US Dept of Commerce
National Bureau of
Standards (Gift)

43,012

Sci - Chemistry

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Combustion time and burning path of a Mixed Flame of Pulverized Hard- and Brown-Coal in Long Wet-Process Rotary Kilns, by G. Bornschein, 7 pp.

GERMAN, per, Silikattechnik, Vol VI, no 4, Apr 1955, pp 159-160.

S.L.A. Tr 59

32,745

EEur - Germany
Scientific - Fuels

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Dependence of Grinding Capacity (Efficiency) on the Percentage of Ball Filling of Tube Mills, by Karl Jacob, 5 pp.

GERMAN, per, Silikattechnik, Vol VI, Jun 1955, pp 260-261.

S.L.A. No 343/1956

34,305

Scientific - Engineering

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Constitution of Glass, by I. Schulz, W. Hinz.

GERMAN, per, Silikat Technik, Vol VI, No 5, 1955, pp 235-241.

CAIRO

Sci - Phys
Jun 62

201,124

Glassy State, by E. Thilo.

GERMAN, per, Silikat Technik, Vol VI,
No 7, 1955, pp 278-280.

CSIRO

Sci - Phys
Jun 62

201,125

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Manufacture of Sandlime Bricks from 'Bauna' (Carbide) Lime, by G. Schmid.
GERMA , per Silikat Technik. Vol. 6, No. 7
1955, pp 312-313
GB 334/CT. E.2. - 10/-

Sci -
Aug 67

338-377

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Gypser, Joachim.
GRINDABILITY OF GLASSES (Beitrag zur Schleifbarkeit von Gläsern). [1962] [23]p. (foreign text included) 7 refs.
Order from SLA $2.60 62-16133

Trans. of Silikat Technik (East Germany) 1955, v. 6, no. 9, p. 372-377.

DESCRIPTORS: *Glass, *Grinders, *Grinding wheels, Production, Abrasion, Chemical properties, Physical properties.

Some 38 glasses of different composition were tested for their grindability as depending on the molar composition, comparing it with the other properties of the glass. The procedure is described. Some technical glasses and a selection of the company's own glasses were examined for grindability as a function of the grinding speed. (Author)
(Materials--Ceramics, TT, v. 8, no. 6)

62-16133

I. Gypser, J.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Costa, Harold.
HEAT FLOW FROM THE FLAME TO THE GLASS MELT INVESTIGATED ON A TRIAL INSTALLATION. [1963] 27p. (figs. omitted) 21 refs.
Order from SLA $2.60 63-14063

Trans. of Silikat Technik (East Germany) 1955, v. 6, no. 10, p. 415-422.

DESCRIPTORS: *Glass, *Heat transfer, Furnaces, Fuels, Gases, Melting, Flames.

The first results of comparative investigations of the heat transfer in the glass bath with luminous and roaring flames from unpurified and purified generator gas in a bath depth of 24 cm show only in the top layer of 1 cm a temperature drop which is greater by 70%. Below this layer of 1 cm the temperature course and the mean effective heat conductivity are independent of the
(Materials--Ceramics, TT, v. 10, no. 5) (over)

63-14063

I. Costa, H.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Dependence of the Viscosity of Plastic Ceramic Bodies on the Deformation Speed, by T. Hasse, K. Petermann.

GERMAN, per, Silikat Technik, Vol VI, 1955, pxxiiix p 427.

GB/8/370

Sci-Materials & Metallurgy
May 63

229,898

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

On the Relationship between Phase Composition and Temperatures of Softening under Pressure of Magnesia Refractories, by P. Nadachowskiy.

GERMAN, per, Silika Tech, Vol VI, 1955, pp 473-475.

INSDOC-T2009

Sci

Aug 58

72,474

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

63-14710

Kuhl, H.
EXPANSIVE CEMENT (QUELLZEMENT). [1963] 7p. 22 refs.
Order from SLA $1.10 63-14710

I. Kuhl, H.

Trans. of Silikat Technik (East Germany) 1955, v. 6, no. 11, p. 476-477.

DESCRIPTORS: *Cements, *Structural properties, Production, Civil engineering.

A review is given of the development and present-day status of the use of expansive cements.

(Materials, TT, v. 10, no. 5)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Method of Quantiative Determination of Degree of Refining of Glasses, by G. Schilling, H. Franck.

GERMAN, par, Silikat Technik, Vol VI, No 12, 1955, pp 505-509.

CSIRO

Sci - Phys

189,512

Mar 62

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Paper Chromatographic Investigations of Sodium Polyphosphate Glasses, by H. Grunze.

GERMAN, per, Silikat Tech, Vol VII, No 4, Apr 1956, pp 134-138.

ASLIB-GB105

Sci

Aug 59

94,178

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Problems of Glass Technology, by
H. Franck.

GERMAN, per, Silikat Technik,
Vol VII, No 5, 1956, pp 179-182.

CSIRO

Sci - Phys
Jun 62

201,126

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Concerning Polishing Theory of Glass, by
A. Keller.
GERMAN, per, Silikattechnik, Vol 7, No 10,
1956, pp 380-390.
MTC-69-12992-11B

Sci-Mat
Sept 69

391,200

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Local Reserves of Materials for the Buildign Industry, by H. Grimme.

GERMAN, per, Silikattechnik, Vol VII, No 12, 1956, pp 537-547.

CSIRO 3652

Sci - Engr
Jun 62

201,115

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

KALLER, A. Discussion concerning glass polishing.
Silikattechnik 4:320-3 (1958) (GB 131/T 5889)

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Examination of a Simple Measuring Procedure
for the Determination of Spalling Resistance,
by R. Rahn, K. Fuss. UMCL

GERMAN, per, Silikat Technik, No 4, 1959,
pp 150-153.

BISI 1483

(12 15s.04.)

114,285

Sci - Engr
Apr 60

The Measuring of Glass Fibre Diameters, by B. Biede.

GERMAN, per, Silikat Tech, Vol VII, No 8, 1956, pp 323-325.

ASLIB-GB105

Sci
Aug 58

70,797

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Krause, Hans, Vogel, Werner, and Wessel, Hans.
CLEAR-UP OF SOME DEFECTS IN GLASS IN THE MANUFACTURING OF OPTICAL AND TECHNICAL GLASSES (Aufklärung einiger Glasfehler bei der Herstellung Optischer und Technischer Gläser). [1963] [12p] (foreign text included)
Order from SLA $1.60 TT-64-10567

Trans. of Silikat Technik (East Germany) 1959, v. 10, no. 8, p. 401-404.

DESCRIPTORS: *Glass, *Optical glass, Production, Quality control, Deformation, Crystal structure, Sodium compounds, Sulfates, Arsenic compounds, Oxides.

(Materials--Ceramics, TT, v. 11, no. 9)

TT-64-10567

I. Krause, H.
II. Vogel, W.
III. Wessel, H.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Modern MX Shaft Limekiln, by
K. Laermann.

GERMAN, per, Silikat Technik, Vol VII,
No 7, 1956, pp 291-293.

OSIRO

Sci - Engr

Mar 62

189,511

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Kaller, Adolf.
ON THE POLISHING THEORY OF GLASS (Zur Poliertheorie des Glases). [1962] [58]p. (foreign text included) 61 refs.
Order from SLA $5.60 62-16413

Trans. of Silikat Technik (East Germany) 1956, v. 7, no. 10, p. 380-390 and 399.

DESCRIPTORS: *Glass, Electrolytic polishing, Water; Surfaces, Chemical reactions, Optical glass, Theory

In the first part of the work, all known polishing theories are discussed critically. After it has been found that none is capable of satisfactorily interpreting the polishing process, our own realizations regarding the polishing process are summarized in a new theory; according to it the polishing process is seen as a com-
(Materials--Ceramics, TT, v. 8, no. 7) (over)

62-16413

I. Kaller, A.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Systematic Investigations on Glasses With Reference to Their Properties in Relation to the Position in the Periodic Table of the Ions in the Glass, by K. Kuehne, 23 pp.

GERMAN, per, Silikattechnik, Vol VII, No 11, 1956, pp 451-465.

Sci - Chemistry

Aug 57

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Research on Resistance of Temperature Changes, and in Particular on the Elongation Properties of Fireproof Building Materials, by T. Haase and K. Petermann, 30 pp.

GERMAN, per, Silikat Tech, Vol VII, No 12, Dec 1956, pp 505-510.

SLA 57-3338

Sci

72,375

Aug 58

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Mineralogical Problems of Current Mineralogical Theory and Practice, by Hans Kuehl, 10 pp.

GERMAN, per, Silikat Technik, Vol VIII, No 1, 1957, pp 24-27.

SLA 59-10733

Sci
Jan 60
Vol 2, No 5

104/796

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Contribution to the Examination of Wet Rotary Kilns of Long Extent, by G. Bornschein.

GERMAN, per. Silikat Technik, No 4, 1957, pp 157-164.

CSIRO

Sci - Engr
Jul 62

203,459

The Temperature Dependence of the Internal Friction and Modulous of Elasticity of Glass, by K. Hilbert.
GERMAN, per, Silikattechnik, Vol 7, No 10, 1956, pp. 394-9.
NTC 69-10740-11B

Sci-Mat
July 69

386,780

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Knapp, Oscar.
THE GENESIS OF CRYSTALS IN SILICATE GLASSES (Die Entstehung der Kristalle in Silikatgläsern).[1962] [10]p. (foreign text included) 12 refs.
Order from SLA 51.10 62-18119

Trans. of Silikat Technik (East Germany) 1957, v. 8, no. 6, p. 231-232.

DESCRIPTORS: *Silicates, *Glass, *Crystallization, Crystals, Lattices, Polymerization, Nucleation.

(Materials--Ceramics, TT, v. 9, no. 5)

62-18119

1. Title: Tammann theory
1. Knapp, O.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Nestler, A.
MODERN GLASS-WORKING MACHINES [OF] THE NATIONALIZED GLASS MACHINE CONSTRUCTION (Neuzeitliche Glasverarbeitungsmaschinen des Volkseigenen Glasmaschinenbaues). [1962] [6]p. (foreign text included).
Order from SLA $1.10 62-16624

Trans. of Silikat Technik (East Germany) 1957, v. 8, no. 8, p. 343-344.

DESCRIPTORS: *Glass, Manufacturing methods, Machines, Construction, Electric machinery, Containers.

(Materials--Ceramics, TT, v. 9, no. 1)

62-16624

1. Nestler, A.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Glass Research in the Soviet Union in the Last 40 Years, by Michael Alexejewitsch Besborodow, 12 p.

GERMAN, per, Silikat Technik, 1957, Vol VIII, No 11, pp 467-469.

SLA 59-15328

Sci
Dec 59
Vol 2, No 6

103,938

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Budnikow, Peter Petrowitsch.
INVESTIGATIONS BY SOVIET RESEARCH WORKERS IN THE FIELDS OF PHYSICAL CHEMISTRY AND CERAMIC TECHNOLOGY. [1962] 15p. 7 refs.
Order from SLA $1.60 62-18624

Trans. of Silikat Technik (East Germany) 1957, v. 8, no. 11, p. 470-473.

DESCRIPTORS: *Scientific research, *Physical chemistry, *Ceramic materials.

(Chemistry--Physical, TT, v. 9, no. 8)

62-18624

I. Budnikow, P. P.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Determination of the Usefulness of Industrial Waste Products for Making Building Materials, by E. Vogel.
GERMAN, per Silikat Technik, Vol. 12, No. 2
pp 52-55
GB 334/CT.10 - 40/-

Sci -
Aug 67 338-379

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Manufacturing, Properties, and Applications of Some High-Temperature Oxide Materials, by Walter Richter, Karl Pump, 15 pp.

RUSSIAN, per, Silikat Technik, Vol IX, 1958, pp 74-77, 9206081.

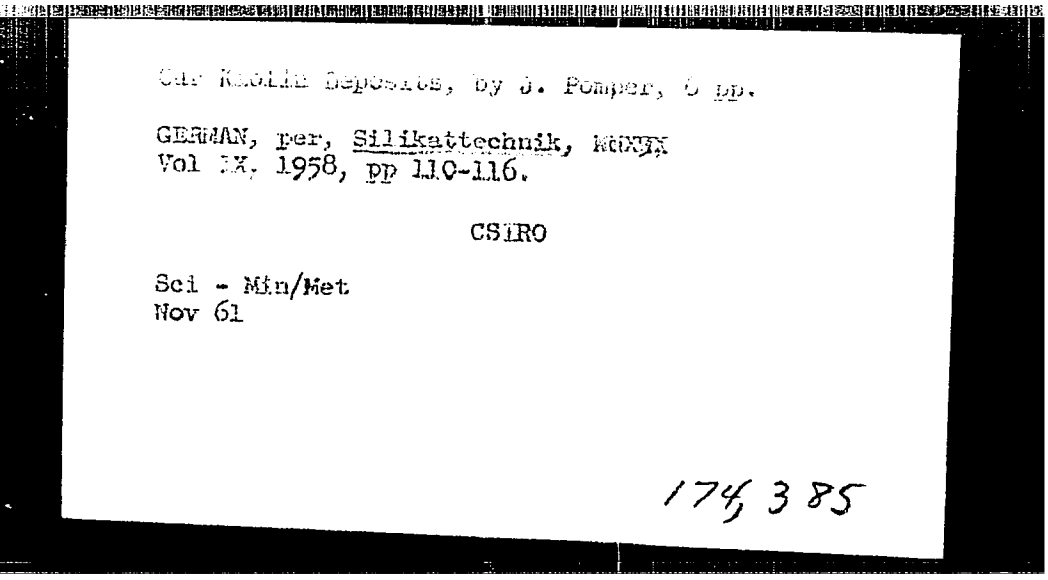
AEC Tr 5711

Sci - Mat & Met

May 63

230,673

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0



Clay Kaolin Deposits, by J. Pomper, 6 pp.

GERMAN, per, Silikattechnik, MXXX
Vol IX, 1958, pp 110-116.

CSIRO

Sci - Min/Met
Nov 61

174385

Silicate Research in the People's Republics,

GERMAN, per, Silikat Technik, Vol IX, No 4,
pp 146-150, 1958,

C.S.I.R.O.

Sci - Chem

May 60

116,929

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Foam Carbonate, by W. Slatanoff, N. Djabaroff,

RUSSIAN, par, Silikat Technik, Vol IX, No 4, pp 162-164. 1958

C.S.I.R.O. 4122

Sci

Apr 60

115 339

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Glass Surfaces Covered With Silicone Film, by H. Wessel.

GERMAN, per, Silikat Technik, Vol IX, No 5, 1958, pp 201-208.

CSIRO

Oct. 62

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Thermodynamic Investigation of Solid Reactions in Silicate Systems, by Babushkin Mischedlow-Petrossian.

GERMAN, per, Silikat Technik, No 5, 1958, pp 209-212.

CSIRO

Sci - Chem
Jul 62

203,460

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Importance and Functions Of the Technical Control Organization In Glass Works, by Lange and Puppe.

GERMAN, per, Silikat Technik, Vol IX, No 5, 1958, pp 216-218.

CSIRO

Oct. 62

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Knapp, Oscar.
CRYSTALLIZATION PROPERTIES AND COMPOSITION OF SILICATE GLASSES (Kristallistionsverinögen und Zusammensetzung der Silikatgläser). [1962] [16]p. (foreign text included) 4 refs.
Order from SLA $1.60 62-14873

Trans. of Silikat Technik (East Germany) 1959, v. 10, no. 8, p. 405-408.

DESCRIPTORS: *Glass, *Silicates, Crystallization, Solids, Liquids, Temperature, *Fused materials, Statistical analysis, Heat treatment, *Magnesium compounds, Oxides, *Lead, Organic compounds, *Ceramic materials, Production.

(Materials--Ceramics, TT, v. 9, no. 5)

62-14873

1. Knapp, O.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Development of the Glass Industry. (Wk Econ Rpt on EGer, 257)

GERMANY, per, Silikattechnik, East Berlin, Aug 1958, pp 340-342.

CIA/FDD Sum 2257

EGer - Germany
Econ
Jul 59

91,237

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Structure of Fluoride Glass. Part 2 by Vogel and Gerth.

GERMAN, per, Silikat Technik, Vol. IX, No 8, 1958, pp 353-358

CSIRO

Oct. 62

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Dust Measurements and Dust Regulations, by R. D Bommert.

GERMAN, per, Silikattechnik, Vol IX, 1958, p 398.

CSIRO

Sci - Phys

Jun 60

118,560

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Technical Dust Suppression In the Silicate Industry, by R. Bommert.

GERMAN, per, Silikat Technik, Vol. IX, 1958, pp 401-406.

CSIRO

Oct. 62

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Use of Industrial Waste and Natural Deposits for Building Materials Production [East Germany], by Werner Franke, (Wk Econ Rpt on EGer, 230).

GERMAN, per, Silikattechnik, Berlin, Oct 1958, pp 435-442.

CIA/FDD Sum 2040

EGer - Germany
Econ
Jan 59

78,938

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Manufacture of Hollow Glass Fibres From Glass Tubes Using the Bar Drawing Process, by S. Hinz, 1 pp.

GERMAN, per, Silikattechnik, Vol IX, No 11, 1958, pp 484-485.

CSIRO

Sci
Nov 61

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Production of Fusibly Cast Tank Bricks by M. Blanke.

GERMAN, per, Silikat Technik, Vol. IX, No 11, 1958, pp 492-494.

CSIRO

Oct. 62

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Study of the Thermal Expansion Behaviour of Tank Furnace Crowns, by H. Lienert.

GERMAN, per, Silikat Technik, Vol X, No 1, 1959, pp 36-38.

CSIRO

Sci - Engr
Dec 61

175,757

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Bautsch, Hans-Joachim.
NORMATIVE AND MODAL MINERAL CONTENT OF CHROME-MAGNESITE BRICKS (Normativer und Modaler Mineralbestand von Chrommagnesitsteinen). [1962] [12]p. (foreign text included) 9 refs.
Order from SLA $1.60 62-18183

Trans. of Silikat Technik (East Germany) 1958, v. 9, no. 12, p. 552-555.

DESCRIPTORS: *Brick, *Minerals, *Refractory materials, *Magnesite, Chromium, Quantitative analysis, *Microscopy, Microstructure, Hardness, Optical properties, Crystals, Growth, Crystal structure, Silicates, Steel industry, Spinels.

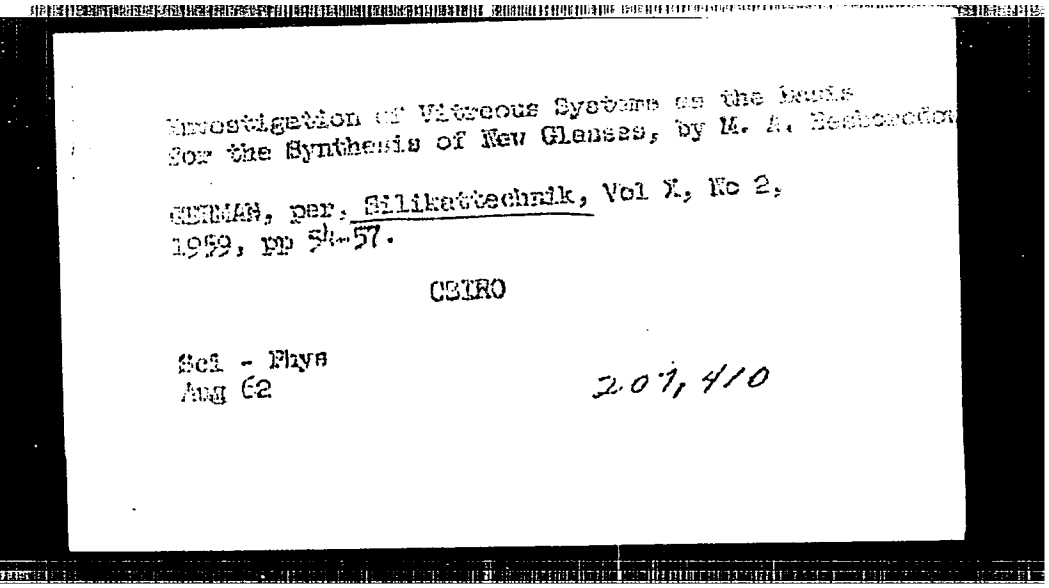
(Materials--Refractories, TT, v. 9, no. 6)

62-18183

I. Bautsch, H.-J.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0



Investigation of Vitreous Systems as the Basis for the Synthesis of New Glasses, by M. A. Bezborodov

GERMAN, per. Silikattechnik, Vol X, No 2, 1959, pp 54-57.

CSIRO

Sci - Phys
Aug 62

207,410

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Sintering of Pure and Activated Oxides in the Solid State, by R. Pampuch.

GERMAN, per, Silikattechnik, Vol X, 1959, pp 69-77.

CSIRO

Sci - Chem
Jul 62

207, 652

Physical and Chemical Investigations of Glass of the Ternary System SiO_2 - B_2O_3 - Na_2O in the Range of Vycor-Type Glass, by K. Kuehne, W. Skatulla, 49 pp.

GERMAN, per, Silikattechnik, No 3, 1959, pp 105-118.

ATIC MCL-211/1

SNA 62-1813

134,568

Sci - Chemistry
Dec 60

Glass Ceramics, by H. Hinz, 13 pp.

GERMAN, per, Silikattechnik, No 3, 1959, pp 119-122.

ATIC MCL-211/1

OTS 62-14487

Sci - Chemistry
Dec 60

134,569

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Contribution to the Determination of Silicilic Acid in Fluorine Silicates, by F. Thomas. GERMAN. per, Silikattechnik, Vol X, No 3, 1959, pp 129, 130.
GB/139/311

Sci-Chem
Jul 64

262,557

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Methods for the Study of Crystallization and Bubble Formation in Thin Glass and Enamel Films, by K. P. Asarov, G. V. Berdova, et al, 3 pp.

GERMAN, per, Silikattechnik, No 4, 1959, pp 187-189.

CSIRO

Sci - Phys
Nov 61

174,384

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

New Knowledge on the Structure of Glass,
by W. Vogel.

GERMAN, per, Silikat Technik, Vol X,
No 5, 1959, p 241.

CSIRO

Sci - Chem
Oct 61

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Mechanization of the Coarse Ceramics Products Industry. (Wk Econ Rpt on ESur, 251)

GERMAN, per, Silikattechnik, East Berlin, Jun 1959, pp 293, 294.

CIA/FDD Sum 2285

ESur - Germany
Econ
Aug 59

93,187

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Shaping of Nonplastic Ceramic Materials by the Injection Molding Method, by Rolf Bahn, Hans Blechschmidt, 12 pp.
GERMAN, per, Silikattechnik, Vol X, No 9, 1959, pp 443-445. 9229098
AEC-SC-T-65-720

Sci-M/M
Jul 65

282,639

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Stabilization of B-Dicalcium Silicate by Elementary Carbon, by F. Wolf, J. Hille, 21 pp.

GERMAN, per, Silikat Technik, Vol X, No 11, 1959, pp 530-536.

SLA 60-16868

Sci
Vol IV, No 7
May 62

193, 704

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Watzek, Otto and Hübscher, Martin.
PROGRESS IN THE QUALITATIVE AND QUANTITATIVE CHEMICAL ANALYSIS OF GLASS DEFECTS (Fortschritte in der Qualitativen und Quantitativen Chemischen Analyse von Glasfehlern). [1963] [7]p. (foreign text included) 8 refs.
Order from SLA $1.10 63-14067

Trans. of Silikat Technik (East Germany) 1959, v. 10, no. 11, p. 537-538.

DESCRIPTORS: *Glass, Chemical analysis, Impurities, Test methods.

(Materials--Ceramics, TT, v. 10, no. 5)

63-14067

I. Watzek, O.
II. Hübscher, M.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Thermodynamics of the Reactions in the Systems: $Ca(OH)_2$-SiO_2-H_2O, β-C_2S-H_2O and C_3S-H_2O Under Normal and Hydrothermal Contitions, by M. I. Babushkin, O. P. Mchedlow-Petrosyan, 3 pp.

GERMAN, per, Silikat Technik, Vol X, No 12, 1959, pp 605-609.

SLA 60-14556

187.142

Sci

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Homogenisation of a Wet Mixture, by P Beyersdorfer.
GERMAN, per, Silikattechnik, Vol 11, No 2, 1960
ACI 30c

Sci -
Sep 67

340,262

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Vogel, E.
THE DETERMINATION OF THE USEFULNESS OF INDUSTRIAL WASTE PRODUCTS FOR MAKING BUILDING MATERIALS. Jul 61
Order from C. L. A. L. R. A. Laboratories, Church Street, Welwyn, Herts, England £3 CLAIRA T. 10

Trans. of Silikat Technik (East Germany) 1960, v. 11, no. 2, p. 52-55.

DESCRIPTORS: *Construction materials, Wastes (Industrial), Manufacturing methods.

(Materials, TT, v. 11, no. 4)

TT-63-22908

I. Vogel, E.
II. CLAIRA-T-10
III. Chalk Lime and Allied Industries Research Association (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Knapp, O.
METHOD FOR DETERMINING CHEMICAL RESISTANCE OF GLASS HOLLOW-WARE. [1961] 7p.
Order from ATS $9.00 ATS-01N57G

Trans. of Silikat Tech[nik] (East Germany) 1960, v. 11, no. 4, p. 149-151.

DESCRIPTORS: *Glass

(Materials--Ceramics, TT, v. 7, no. 6)

52-12384

I. Knapp, O.
II. ATS-01N57G
III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Bornschein, G.
THE PRINCIPAL DIMENSIONS OF LONG WET PROCESS ROTARY KILNS. [1963] 9p 14refs
Order from SLA $1.10 TT-64-14263

Trans. of Silikat Technik (East Germany) 1960, v. 11, no. 4, p. 181-183.

DESCRIPTORS: Design, *Cement kilns

(Materials, TT, v. 11, no. 7)

TT-64-14263

I. Bornschein, G.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Röbert, S.
ON THE TESTING OF MORTARS AND PLASTERS. Jul 61
Order from C. L. A. I. R. A. Laboratories, Church Street, Welwyn, Herts, England £2 CLAIRA T. 11

Trans. of Silikat Technik (East Germany) 1960, v. 11, no. 6, p. 273-275.

DESCRIPTORS: *Mortar, Construction materials, Test methods.

(Materials, TT, v. 11, no. 5)

TT-63-22909

1. Title: Plaster
1. Röbert, S.
II. CLAIRA-T-11
III. Chalk Lime and Allied Industries Research Association (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Foam Anhydrite and Foam Plaster of Paris,
by R. Gurtler.

GERMAN, per, Silikat Technik, Vol XI, No 7,
1960, pp 334-~~335~~336.

CSIRO

Sci - Chem Oct 61

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

The Manufacture of Fine-Ceramic Products From Beryllium Oxide, by Karl Pump, Kurt Entress, 5 pp.
GERMAN, per, Silikattechnik, Vol II, No 10, 1960, pp 463-464. 9696031
FTD-TT-64-1078

Sci - M /M
Feb 65

275,597

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Hinz, Wilhelm and Kunth, Peter-Olaf.
VITRO-CERAM PRODUCTS WITH LOW COEFFICIENTS OF THERMAL EXPANSION (Vitrokeramprodukte mit Niedrigem Wärmeausdehnungskoeffizienten). [1964] [23p] (foreign text included) 16refs
Order from SLA $2.60 TT-64-14065

Trans. of Silikat Techn[ik] (East Germany) 1960, v. 11, no. 11, p. 506-511.

(Materials--Ceramics, TT, v. 11, no. 12)

TT-64-14065

I. Hinz, W.
II. Kunth, P.-O.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Lattermann, Hertha.
THE HYDROFLUORIC ACID-HYDROCHLORIC ACID ATTACK IN THE ANALYSIS OF GLASS (Der Flussäure-Salzsäureaufschluss in der Glasanalyse). [1964] [9p] (foreign text included) 5refs
Order from SLA $1.10 TT-64-14060

Trans. of Silikat Techn[ik] (East Germany) 1960, v. 11, no. 11, p. 539-540.

(Materials--Ceramics, TT, v. 11, no. 12)

TT-64-14060

I. Lattermann, H.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

TT-64-14262

Jacob, K. and Bornschein, G.
PRINCIPAL DIMENSIONS OF LONG WET PROCESS ROTARY KILNS: DISCUSSION WITH REPLY. [1963]
8p 3refs
Order from SLA $1.10 TT-64-14262

Trans. of Silikat Technik (East Germany) 1960, v. 11, no. 12, p. 575-576.

DESCRIPTORS: Design, *Cement kilns

(Materials, TT, v. 11, no. 7)

I. Jacob, K.
II. Bornschein, G.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Kühne, K.
SILICATE AND BOROSILICATE GLASSES; METHOD FOR CORRECTING THE PROPERTIES OF GLASSES AND DEVELOPING GLASSES WITH CERTAIN PROPERTIES. [1963] [BGIRA] no. 578.
Order from BGIRA BGIRA-578

Trans. of Silikat Technik (East Germany) 1961, v. 12, no. 8, p. 313-316.

DESCRIPTORS: *Glass, *Silicates, *Boron compounds, Ceramic materials.

(Materials--Ceramics, TT, v. 10, no. 12)

63-22898

I. Kühne, K.
II. Title: Method ...
III. BGIRA-578
IV. British Glass Industry Research Association

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Kaiser, Siegfried.
INDUSTRIAL TELEVISION IN THE SILICATE INDUSTRY (Das Industrielle Fernsehen in der Silikatindustrie). [1961] 9p. (foreign text included) 2 refs.
Order from SLA $1.10 62-10680

Trans. of Silikat Technik (East Germany) 1960, v. 11, no. 9, p. 401-404.

DESCRIPTORS: *Television, *Industrial equipment, East Germany, *Silicates, Industry

(Machinery--Manufacturing, TT, v. 7, no. 11)

62-10680

I. Kaiser, S.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0

Knapp, Oscar.
ON THE MANUFACTURE OF TELEVISION TUBES (Über die Herstellung von Fernschkolben). [1964] [13p] (foreign text included) 11refs
Order from SLA $1.60 TT-64-14075

Trans. of Silikat Techn[tk] (East Germany) 1960, v. 11, no. 9, p. 404-407.

(Engineering--Electronic, TT, v. 12, no. 2)

TT-64-14075

1. Knapp, O.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401230008-0