

BARTA, Lajos, Dr.; ROSTA, Janos, Dr.

Effect of Jerusalem artichoke honey-containing isocaloric diet on the sugar metabolism of diabetic children. *Gyermekgyógyászat* 9 no.8-9:280-283 Aug-Sept 58.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinikajának (Igazgató: Gegesi Kiss Pál dr., akadémikus, egyetemi tanár) közleménye.

(DIETS, in various dis.

diabetes mellitus in child., eff. of Jerusalem artichoke honey-containing diet on sugar metab. (Hun))

(DIABETES MELLITUS, in inf. & child

eff. of Jerusalem artichoke honey-containing diet on sugar metab. (Hun))

BARTA, Imola, Dr.; SIMON, Gyorgy, Dr.

Cortisone and hypoglycemic shock. Orv. hetil. 99 no.24:806 15 June 58.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika-jának  
(igazgató: Gócsai Kiss Pál egyet. tanár, akadémikus) közleménye.  
(HYPOGLYCEMIA, exper.

eff. of cortisone on hypoglycemic shock in rabbits (Hun))

(CORTISONE, eff.

on hypoglycemic shock in rabbits (Hun))

BARTA, Lajos, Dr.; BÉDO, Magdolna, B., Dr. Technikai munkatars; MAGY, György;  
MAGY, Janos

Effects of the temperature of liquids getting into the stomach on the blood sugar level. Orv. hetil. 99 no.34:1164-1165 24 Aug 58.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika-janak (igazgato: Gegesi Kiss Pal dr. akadémikus, egyet. tanar) es az Országos Elelmezés- es Táplakazastudományi Intezet (igazgato: Tarjan Robert dr. az orvostudományok kandidatusa) közleménye.

(FLUIDS

eff. of temperature of dietary fluids on blood sugar in exper. animals (Hun))

(BLOOD SUGAR

eff. of temperature of dietary fluids in exper. animals (Hun))

1. The family of the ...

2. The family of the ...

3. The family of the ...

4. The family of the ...  
XXXXXXXXXX,XXXXXXXXXX  
3, no. 2, Feb. 1960

BARTA, Lajos; BEBEGI, Edit; JELLINEK, Harry

Hemorrhagic infiltrations of the adrenals following insulin shock therapy in animal experimental studies. *Magy. belorv. arch.* 12 no.5:150-152 0 '59.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika (igazgató: Gárgesi Kiss Pál dr., egy. tanár és a Budapesti Orvostudományi Egyetem II. sz. Kórháztani Intézete (igazgató: Haranghy László dr., egy. tanár) közleménye.  
(ADRENAL CORTEX pathol)  
(SHOCK THERAPY INSULIN exper)

BARTA, Lajos, Dr.

Counter-regulatory syndrome in insulin therapy in diabetics. Orv. hetil. 100 no.13:473-478 29 Mar 59.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinikájának Gegesi Kiss Pal egyetemi tanár, akadémikus) közlényye.

(DIABETES MELLITUS, compl.

counter-regulatory synd. during insulin ther., pathogen, & case reports (Hun))

(INSULIN, inj. eff.

counter-regulatory synd. in diabetes ther., pathogen. & Case reports (Hun))

BARTA, Lajos, az orvostudományok kandidátusa; B.BEDC, Magdolna; Technikai munkatársak: NAGY, György; NAGY, János; PALOS, István

Investigating the effect of dibenamine in a hypoglycemic syndrome provoked by insulin. Biol orv kozl MTA 11 no.1:103-110 '60.

(EEAI 10:1)

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermaklinikája és az Országos Elelmezés- és Táplálkozástudományi Intézet.

(SUGAR) (BLOOD) (CHLOROETHYLDIBENZYLAMINE)  
(HYPOGLYCEMIA) (INSULIN)

BARTA, Lajos, dr.; DZENE, Margit, dr.; NABRÁDY, János, dr.

Effect of norandrosterolone phenylpropionate (durabolin) in growth retardation in children. *Gyermekgyógyászat* 11 no. 9: 262-268 s '60.

1. Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika-jának közleménye (Igazgató: Dr. Gegesi Kiss Pál egyetemi tanár, akadémikus)

(TESTOSTERONE rel cpds)  
(GROWTH)



BARTA, Lajos

The problem of "hypoglycemic" syndromes consecutive to blood sugar increase induced by insulin shock. Kiserletes Orvostud. 12 no.2:135-139 Ap '60.

1. Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika.  
(HYPERINSULINISM exper.)

BARTA, I.

On the pathophysiology of anti-regulatory hyperglycemic insulin shock. Acta med. hun. 15 no.1:27-40 '60.

1. I. Kinderklinik der Medizinischen Universität, Budapest.  
(HYPERINSULINISM exper.)

TOTH, Madeleine; BARTA, J.

*Effect of sodium acetoacetate on glycemia. Acta med. hun. 15 no.1:*  
343-346 '60.

1. *Premiere Clinique de Pediatrie de l'Universite Medicale, Budapest.*  
(BLOOD SUGAR pharmacol.)  
(KETONE BODIES pharmacol.)

BARTA, Lajos, dr.

On the genetic problem in diabetes mellitus. Orv.ketil. 101  
no.6:197-199 F '60.

1. Budapesti Orvostudományi Egyetem, I. sz. Gyermekklinika.  
(DIABETES MELLITUS genetics)

GERLOCZY, F.; BENCZE, B.; KASSAI, Stefania; BARTA, L.

New data on the protective vascular role of vitamin E in children.  
Acta paediat. acad. sci. Hung. 2 no.3:217-226 '61.

1. Clinique de Pediatrie No. I (Directeur: Pr. P. Gagesi Kiss) de  
l'Universite Medicale de Budapest.

(VITAMIN E therapy)  
(THROMBOPHEEBITIS in inf & child)  
(DIABETES MELLITUS in inf & child)  
(SKIN pathol)  
(NECROSIS in inf & child)

BARTA, L.

The problem of insulin shock developing at hyperglycaemic levels.  
Acta Paediat. Acad. Sci. Hung. 2 no.4:343-345 '61.

1. First Department of Paediatrics (Director, Prof. P. Gegesi Kiss),  
University Medical School, Budapest.  
(SHOCK exper.) (INSULIN toxicol.)  
(HYPERGLYCEMIA exper.)

PREM, Gosa, dr.; SIMON, Hedvig, dr.; BARTA, Lajos, dr.

Occult forms of diabetes insipidus. Gyermekgyógyászat 12 no.3:  
77-80 Mr '61.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinikájának  
(Igazgató: Gegesi Kiss Pal dr. akadémikus, egyetemi tanár)  
közleménye.

(DIABETES INSIPIDUS diag)

GERLOCZY, Ferenc, dr.; BENCZE, Bela, dr.; KASSAI, Stefania, dr.; BARTA, Lajos, dr.

Recent data on the vaso-protective role of vitamin E in children.  
Gyermekgyógyászat 12 no.8:225-233 Ag '61.

1. A Budapesti Orvostudományi Egyetem I sz. Gyermekklinikájának  
(Igazgató: Gegesi Kiss Pál dr. akadémikus, egyetemi tanár) közleménye.

(VASCULAR DISEASES PERIPHERAL ther)  
(VITAMIN E ther)



BARTA, Lajos, dr.; HODOSI, Rezso, dr.

Problem of the diagnosis of Turner's syndrome. Gyermekgyógyászat 12  
no.8:234-237 Ag '61.

1. A Budapesti Orvostudományi Egyetem I sz. Gyermekklinikájának  
(Igazgató: Gegesi Kiss Pál dr. akadémikus, egyetemi tanár) közleménye.

(TURNER'S SYNDROME diag)

BARTA LAJOS

SURNAME, Given Names

Country: Hungary

Academic Degrees: Dr

Affiliation: Budapest Medical University first Pediatric Clinic (Budapesti Orvostudományi Egyetem I.sz. Gyermekklinikája). Director: Pál GEGESI KISS, Dr, Academician, Professor

Source: Budapest, Gyermekgyógyászat, Vol 12, No 9, Sept 61, pp 266-269

Data: "Comparative Metabolism Tests After Intravenous Infusion of Glucose and Fructose."

Authors:

BARTA, Lajos

SCHMIDT, Károly

GPO 981643

BARTA, Lajos; SZOBOTKA, Viola

Detection of amino acids in the urine of diabetic patients.  
Kiserletes Orvostud. 13 no.1:70-72 Mr '61.

1. Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika.  
(DIABETES MELLITUS urine)  
(AMINO ACIDS urine)

BARTA, Lajos, dr.; TOTH, Magdolna, dr.

Effect of acetoacetic acid on the blood sugar level. Orv.hetil.  
102 no.8:347-348 19 F'61.

1. Budapesti Orvostudományi Egyetem, I. Gyermekklinika.  
(KETONE BODIES pharmacol)  
(BLOOD SUGAR pharmacol)

BARTA, L.

Phenformin in the treatment of diabetes in childhood. Acta paediat.  
acad. sci. Hung. 3 no.1:1-11 '62.

I. I. Kinderklinik (Direktor: Prof. Dr. P. Gegesi Kiss) der Medizinischen  
Universität Budapest.

(DIABETES MELLITUS in inf & child) (CARBAMIDE therapy)

SANTA, Lajos; VEDRESNF; TOTI, Marta, dr.

Changes in the blood sugar level after Metrazol administration during starvation. Gyermekgyógyászat no,10:316-318 '62.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinikájának  
(Igazgató: Gegesi Kiss Pal dr. akadémikus, egyetemi tanár) közleménye.  
(PENTYLENTETRAZOLE) (STARVATION) (HYPOGLYCEMIA)

BARTA, Lajos, dr.

Biguanidin preparations in the treatment of diabetes mellitus in children. Gyermekgyógyászat 13 no.1:1-9 Ja '62.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinikájának közleménye Igazgató: Gegesi Kiss Pál dr. egyetemi tanár, akadémikus.  
(ANTIDIABETICS ther)

BARTA, Lajos, dr.; SZOKS, László, dr.

Effect of juvenile diabetes mellitus on the development of diseases.  
Gyermekgyógyászat 13 no.8:225-235 Ag '62.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinikájának közleménye. (Írta: Gáspár Kiss: Pal dr: akadémikus, egyetemi tanár).

(DIABETES MELLITUS in inf & child)



BARTA, Lajos, dr.

The problem of insulin shock developing in hyperglycemia. Orv.  
hetil. 103 no.19:882-883 13 My '62.

1. Budapesti Orvostudományi Egyetem, I. Gyermekklinika.  
(HYPERINSULINISM) (HYPERGLYCEMIA ther)

BARTA, L.; BUGAR-MESZAROS, K.; OKOS, Gizella; ROSTA, J.

On the effect of diabetes mellitus in childhood on the vascular system. Acta paediat. acad. sci. Hung. 3 no.1:71-79 '62.

I. I. Kinderklinik (Direktor: Prof. Dr.P. Geyosi Kiss) der Medizinischen Universität Budapest, I. Medizinische Abteilung (Chefarzt: Dr. K. Bugar-Meszaros) des Hauptstädtischen Istvan-Krankenhauses, und IV. Medizinische Klinik (Direktor: Prof. Dr. Gy. Gottsegen) der Medizinischen Universität Budapest.

(DIABETES MELLITUS in inf & child) (OSCILLOMETRY in inf & child)  
(BLOOD VESSELS pathology)

BARTA, L.; SZOKS, L.

On the effect of juvenile diabetes mellitus on the development of the patient. Acta paediat. acad. sci. hung. 3 no.2:173-186 '62.

1. I Kinderklinik (Direktor: Prof. Dr. P. Gogasi Kiss) der Medizinischen Universität Budapest.

(DIABETES MELLITUS, JUVENILE) (GROWTH)

BARTA, Lajos, dr.; OKOS, Gizella, dr.

Microscopic examinations of the capillaries in juvenile diabetes.  
Gyermekgyógyászat 14 no.1:1-4 Ja '62.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika (Igazgató: Gegesi Kiss Pál dr., akadémikus, egyetemi tanár) és a IV. sz. Belklinika (Igazgató: Gottsegen György dr., egyetemi tanár) közleménye.  
(DIABETES MELLITUS, JUVENILE) (CAPILLARIES)  
(BLOOD FLOW VELOCITY) (HYPOGLYCEMIA)

BARTA, Lajos, dr.

"Doklady Akademii pedagogicheskikh nauk RSFSR", no.1, 1959; a  
periodical review by Lajos Barta. Magyar pszichol szemle 18 no.2:  
261-264 '61.

BARTA, Lajos, dr.

The effect of steroid derivatives on fasting states. Gyermekgyógyászat 14 no.10:297-301 0 '63.

1. A Budapesti Orvostudományi Egyetem I sz. Gyermekklinikájának (Igazgató: Gegesi Kiss Pál dr. akadémikus, egyetemi tanár) közleménye.

(FASTING) (CORTISONE) (CORTICOTROPINE)  
(DESOXYCORTICOSTERONE) (FEVER THERAPY)  
(BLOOD SUGAR)

BARTA, Lajos, dr.; CSERHATI, Endre, dr.

The significance of chromosome determination in Turner's syndrome.  
Orv.hetil. 105 no.4:163-164 26 J '64.

1. Budapesti Orvostudományi Egyetem, I. Gyermekklinika.

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BARTA, L.

Activity of steroid derivatives in hunger states. Acta paediat.  
acad.sci.Hung. 4 no.3:347-352 '63

1. I.Kinderklinik (Direktor:Prof.Dr. P.Gegesi Kiss) der Medi-  
zinschen Universitat, Budapest.

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BARTA, Lajos, dr.; SELLYEI, Mihaly, dr.; OSERNATY, Endre, dr.; WEDRESNE TOTH,  
Marta, dr.

Apropos of Turner's syndrome. Gyermekgyogyaszat 15 no.1:10-15 J'64.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinikájának  
(Igazgató: Gegesi Kiss Pal dr. akadémikus, egyetemi tanár) és az I. sz.  
Korbonctani és Kísérleti Raktató Intézet (Igazgató: Baló József  
akadémikus, egyetemi tanár) közleménye.

BARTA, Lajos, dr.; SZABO, Jozsef, dr.

Atypical Klinefelter's syndrome. Gyermekgyogyaszat 15 no.3:  
89-92 Mr'64

1. Budapesti Orvostudományi Egyetem I.sz. Gyermekklinikájának  
közleménye. Igazgató: Gegesi Kiss Pal dr. egyetemi tanár, aka-  
demikus.

\*

BARTA, Lajos, dr.; SZABO, Jozsef, dr.; SZOKS, Laszlo, dr.

Evaluation of the Shwachman-Gahm test in various childhood diseases. Gyermekgyogyaszat 15 no.5:139142 My'64

1. A Budapesti Orvostudományi Egyetem (igazgató: Gegesi Kiss, Pal, dr, egyetemi tanár, akadémikus) közleménye.

\*

BARTA, L.; TOTH, M.

On the influence of sugar consumption on the onset of diabetes in children. Ann. Med. Acad. Sci. Hung. 5 no. 383-385 1971

I. I. Kinderklinik der Medizinischen Universität, Budapest.

BARTA, L.; DOMJAN, Ottilia

Birthweight of obese and diabetic children. Acta paediat.  
6 no.2:163-170 '65.

1. First Department of Paediatrics, University Medical  
School, Budapest. Submitted June 15, 1964.

BARTA, Lajos, dr.; SELLYEI, Mihaly, dr.; LANCOS, Ferenc, dr.; TOTH, Marta, dr.

Stein-Leventhal syndrome in childhood. Orv. hetil. 106 no.48:  
2281-2284 28 N '65.

1. Budapesti Orvostudományi Egyetem, I. Gyermekklinika és I.  
Korbonctani és Kísérleti Bakkeresztési Intézet.

HEADING

MARTA, Imre, Dr. (MARTI, Imre), Dr. FUCH, V. Marta, Im; Medical University of Budapest, I. sz. Orvostudományi Kar (Director: PAVEL HISS, Bal, Dr) and I. Institute of Pathological Anatomy and Experimental Cancer Research (Director: PAIS, Jozsef, Dr) (Budapest, Ervostudományi Egyetem, I. sz. Gyógyászati, és I. sz. Kórházi és Kísérleti Orvostudományi Intézet).

"Turner Syndrome in a Male Patient."

Budapest, Cervix Folia, Vol 107, No 4, 1968, pages 224-226.

Abstract: [Authors' Hungarian summary] A case of Turner syndrome in a 27 year old patient is reported. The patient has been observed by the authors for 16 years. The nuclear chromosome complement is 46,XY. The sex chromosome is XY. The external genitalia are well developed. In a previous examination of the ejaculate obtained by masturbation, neither sperm nor spermatozoetic forms could be found. 1 Hungarian, 10 Western references.

2473  
1/1

BARTA, Laszlo; KAKAS, Janos; NAGY, Mihaly; VARGA, Karoly

Gamma-ray continuous thickness gauge operating with scintillation counter. Energia es atom 14 no.12:570-575 D '61.

1. Csepel Vas- es Fennvek, Kovacsologyar (for Barta). 2. Csepel Vas- es Fennvek, Radioizotop Laboratorium (for Kakas, Nagy, Varga).



EXCERPTA MEDICA Sec.17 Vol.4/2 Public Health, etc. Feb 58  
BARTA 11

571. BONE CHANGES IN CAISSON WORKERS. Kostní změny u pracovníků v kesonu. Barta M. Ústřední Rentgenové Odd. Krajského Ús. Národního Zdraví, Čes. BUDĚJOVICĚCH. PRACOVNÍ LÉK. (Praha) 1956, 8/3 (203-205) Tables 1 illus. 1

The results of examinations of 44 caisson workers are given. Bone changes are very rare. They appear at the earliest after 18 months of work in caissons, as was found in one worker.

(VI, 17)

...A, M., M.D.

Statistics on the work of a central x-ray department. Cesk. zdravot.  
6 no. 5:224-229 May 58.

1. Ustredni rentgenove oddeleni Krajskeho ustavu narodniho zdravi v  
Gosp. Budajovicich.

(HOSPITALS

central x-ray department, statist. (Cz))

(ROENTGENOLOGY

hosn. central x-ray department, statist. (Cz))

BARTA, Otto, dr.

The organization and results of preventive orthopedic examination in the Vas region. Nepegeszsegugy 42 no.5:147-150 My '61.

1. Kozlemeny a Vas megyei tanacs Markusovszky-korhaz ortopediai osztalyarol.

(ABNORMALITIES)  
(ORTHOPEDECS in inf & child)

ISTVAN, Lajos, dr; BAKTA, Otto, dr.

Fat embolism triggering transfusion complication. Orv. hetil.  
104 no. 30:1395-1400 28 J1 '63.

1. Országos Vertransfusios Szolgálat Szombathelyi Alközpontja  
és a Vas megyei Tanács Markusovszky Lajos Kórház Orthopaediai  
Osztálya.

(EMBOLISM, FAT) (BLOOD TRANSFUSION) (ORTHOPEDICS)  
(SHOCK, SURGICAL)

CZECHOSLOVAKIA / Microbiology. Microbes Pathogenic F-4  
for Man and Animals. Bacteria. Brucelli.

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76762.

Author : Barta, Otakar.

Inst : Not given.

Title : Reaction of Conglutination (With Absorption of  
the Complement in Brucellosis of Cattle and People.

Orig Pub: Ceskosl. epidemiol., mikrobiol., immunol., 1956,  
5, No 6, 305-312.

Abstract: On the basis of an investigation of 150 sera from  
animals and 48 from men, a conclusion was made as  
to the specific character of the reaction of con-  
glutination (RC) during brucellosis with the  
administration of a specific antigen, through  
which the titer of RC is higher than during BSR.  
The complement-absorbing antibodies (CAA) are

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CZECHOSLOVAKIA / Microbiology. Microbes Pathogenic for Man and Animals: Bacteria. Brucell. F-4

Abs Jour: Ref Zhur-Biol, 1958, No 17, 76762.

Abstract: found in all cases in the presence of incomplete antibodies with a titer of 40 and higher. In the initial stages of the formation of antibodies in vaccinated heifers, the titer of the agglutinins was the same as the titer of the CAA, or lower; but during the weakening of the formation of antibodies, it is significantly higher. During chronic human and cattle brucellosis, higher CAA were also found. In view of its inexpensiveness and high sensitivity, RC is a convenient diagnostic reaction.  
-- L. S. Sil'bershteyn.

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Barta, O.

AGRICULTURE

Experience with loose housing for cattle. p. 510.

Vol. 5, no. 9, 1958

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 4, April 1959.

ŠABDA, Otakar  
SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: graduate veterinarian /promovani veterinarni lekar

Affiliation: /Brno

Source: Prague, Veterinarstvi, Vol 11, No 9, Sept 1961; pp 335-338

Data: "Ventilation of Animal Quarters in Intensive Large-Scale Poultry Breeding"

GPO 981643



GLAUBER, Andor, Dr.; BARTA, Otto, Dr.; VIZKELETI, Tibor, Dr.

Generalized periostosis. Orv. hetil. 99 no.2:61-63 12 Jan 58.

1. A Budapesti Orvostudományi Egyetem Orthopaediai Klinikájának  
(mb. igazgató: Glauver Andor dr. egyet. docens) közleménye.

(BONE DISEASES, case reports  
periostosis, generalized (Hun))

HUNGARY

ISZVAK, Lajos, Dr. JANKA, Ottó, Dr: National Blood Transfusion Service, Szekesfehery Branch Center and Vas Kerye Council Markuzovszky Lajos Hospital, Orthopaedic Ward (transzuzion Vertranszuzion Szekesfeheryi Alkozpontja es Vas Keryei Lajos Markuzovszky Lajos Korhaz, Orthopaediai Osztaly).

"Fat Embolism Imitating Transfusion Complications."

Foliaert, Arvosi Hatalap, Vol 104, No 10, 29 July 64, pages 1391-1400.

Abstract: [Authors' Hungarian summary modified] The authors discuss the frequency, symptoms, differential diagnosis, prognosis, and therapeutical possibilities of fat embolism. Two cases of the disease, which occurred post-operatively and simulated the symptoms of transfusion complications, are presented in detail. A role of the transfusion in the precipitation of fat embolism is suggested. Based on the cases reported, the evaluation and differential diagnosis of shock symptoms arising during bone injuries and bone surgery involving blood transfusions are discussed by the authors. The cases reported confirm the view that in cases of fat embolism, intravenous treatment should be avoided, and the blood pressure should be decreased instead. Thus, if suspicion of fat embolism is present, i.v. and i.a. transfusions are contraindicated. 1/ Western, 7 Eastern European references.

1/1

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BARTA, Petr, dr. inz.

Investments and the coal price. Čili č no. 2:61-62 F '64.

1. Sdružení Ostravsko-karvinských dolů, Ostrava.

BARTA, Petr, dr., inz.; NOVAK, Frantisek, inz.; RIEB, J., inz.; URBANCZYK, J., inz.

Problem of the perspective planning of new mine fields in Ostrava-Karvina coal district. Uhli 4 no.7:242-246 J1 '62.

1. Sdruzeni Ostravsko-Karvinskych dolu (for Barta). 2. Dul Sucha-Stonava, Ostravsko-Karvinsky revir (for Novak, Rieb and Urbanczyk).

BARTA, Petr, ins., dr.

Determining the volume of investments for reconstruction of mining plants. Uhli 4 no.11:389-390 N '62.

1. Sdruzeni Ostravsko-Karvinskych dolu, Ostrava.

BATA. Patr. dr. 104.

Analysis of the present state and development of cross-drifts in  
the Silesia-Hungary coalfield. Chli 6 no.11:373-377 N 164.

L. Kiriati, in Silesia, Prague.

BARTA, R., prof. inž. dr. DrSc. (Prague)

New views on milling and their importance for the mass production of ceramic materials. In: Proc. 1st Int. Conf. on Ceramic Technology, Prague, 1975, p. 1-10.

L 18153-66 EWP(e)/T WH

ACC NR: AP6010378

SOURCE CODE: CZ/0034/65/000/005/0327/0331

AUTHOR: Barta, Rudolph (Professor; Doctor; Engineer; Doctor of sciences)

ORG: none

TITLE: Manufacture of refractory concrete. Its theoretical basis and its future development

SOURCE: Hutnicke listy, no. 5, 1965, 327-331

TOPIC TAGS: concrete, refractory product

ABSTRACT: Refractory concrete conforming to Czechoslovak Standard ON 6170-63 maintains its properties at 200°C; temperature limits for its use are the basis for its classification into grades. The basic properties of a refractory cement are discussed; selection of suitable materials for its manufacture is described. Production techniques that are currently in use are evaluated. Prevention of temporary decrease in the strength of the material is discussed. Newly developed raw materials, technique of concreting and various grades of refractory concretes (periclase, phosphatic, asbestine) are described. Economies that may be achieved by replacing bricking with concreting are evaluated. Limiting factors in the supply of raw materials in Czechoslovakia are discussed. [JPRS]

SUB CODE: 11 / SUBM DATE: none / ORIG REF: 008 / SOV REF: 006

Card 1/1 vmb



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
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101 AND 102 LETTER  
 103 UNPUBLISHED  
 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

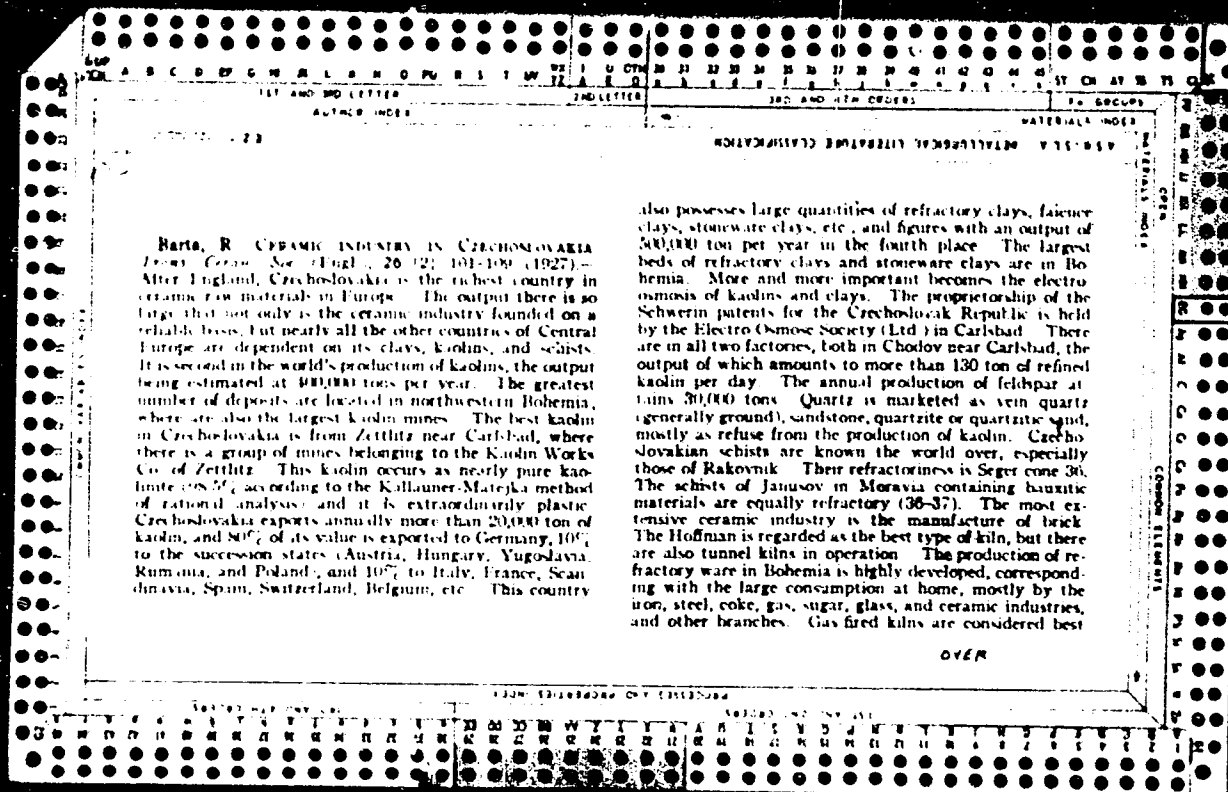
AUTHOR INDEX  
**R. BARTA**

DETAIL TECHNICAL LITERATURE CLASSIFICATION

Barta, M. *Review of the work of the U.S. Ceramic Society at the International Conference on Ceramics Held at Bucarest, June 20-26, 1970.* *Ker. Technol. (London)* (1970), No. 201, 111-119. (1970) (1) Introduction of Zettitz-Kashin as a standard. The suggestion that Zettitz-Kashin be recognized as a standard has been accepted by the Congress. The U.S. Ceramic Society has organized a symposium and a subcommittee at Carlsbad has set aside a quantity of normal kaolin for the purpose. Samples will be sent gratuitously to each country for scientific work. (2) Rational analysis of clays and of ceramic materials. The U.S. Ceramic Society proposes to introduce to the International Committee for consideration the method of analysis of O. Kallmayer and J. Matzka. (The method is given in some detail, but the connection between results and calculations from them is not clear. [Abstr.]) (3) Testing of raw material samples in the ceramic laboratories in C.S. (4) International ceramic nomenclature. Since each language today has a series of expressions which cannot be exactly translated into another language the U.S. Ceramic Society proposes a formula to characterize exactly all ceramic materials. For example, Cer 38 ALO, 100/150 P would mean a refractory brick having 15% porosity, a refractoriness of Seger cone 31, an alumina content of 38%, and a resistance of 1000 psi at 1350°C.

015 p. 018

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200



for this industry. 12,000 ton of crockery are exported annually, about one half to Austria, then to the Succession States and to other places. Very important buyers are the U.S.A., Canada, Bulgaria, Holland, Italy, and Switzerland. Stoneware sewer pipe is produced in 15 factories with a yearly capacity of 50,000 ton but they are now making only 30% of this amount. Floor tile are manufactured in the standard size 150 x 150 x 10 mm and in different colors. There are 12 factories with an annual capacity of 60,000 tons. There are 10 factories of wall tile and 30 large factories of stoves. The annual production is 40,000 tons, 25,000 tons of this amount being wall tile. There are 62 factories with the so-called chamber type of kilns or with tunnel kilns. 12,000 workers are employed. Crockery ware is produced by 39 factories, pots by 23, porcelain for electrical purposes by 13, technical and sanitary ware and pipe by 8, statuettes, objects of art, and fancy goods by 8. The Portland cement industry has developed greatly during the last few years. Since 1920 when the pre war output was attained, the cement factories have increased production by over 100% so that for the year 1927 a production of 1,500,000 ton was to be expected. Magnesite deposits are equal in quality to those of Austria. The yearly output amounts to 80,000 ton of which 60,000 tons raw and 70,000 tons burned are exported to America, Germany, and Hungary. There are 25 factories of window glass. Fourcault machines are most popular

X  
Cast and plate glass are manufactured in 14 factories, bottles in 10 factories, some with Owens machines. Hollow glass is produced in 103 factories with 11 tanks and 236 kilns with 2000 pots. There are 5 institutes where lectures on ceramic subjects are read. For the exploitation of mines the Higher Mining School in Pribram is very important. The center for the young ceramic engineers is the Czech Higher Polytechnical School in Brno, here the Institute of the Silicate Industry is one of the largest and best established ceramic institutes of Europe. It is under the direction of O. Kallauer.

LIST AND ORDER

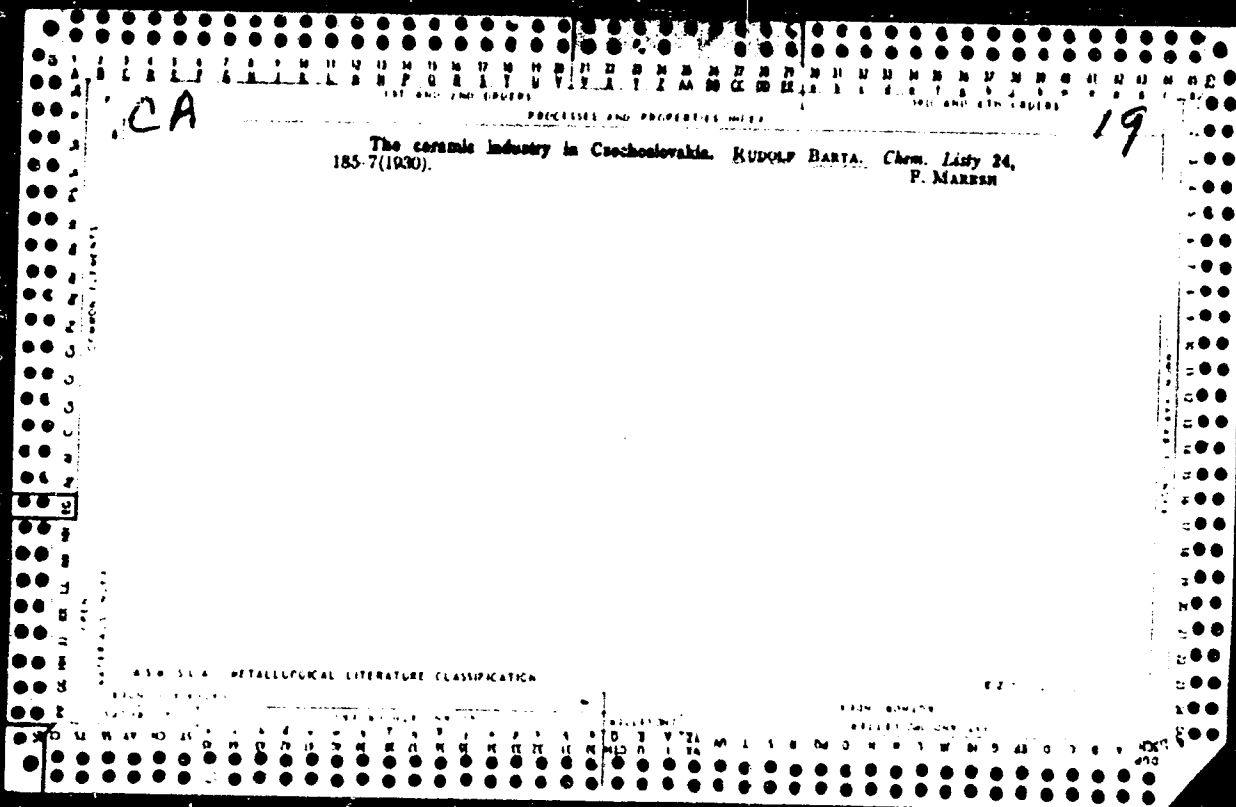
PROCESSES AND PROPERTIES

19

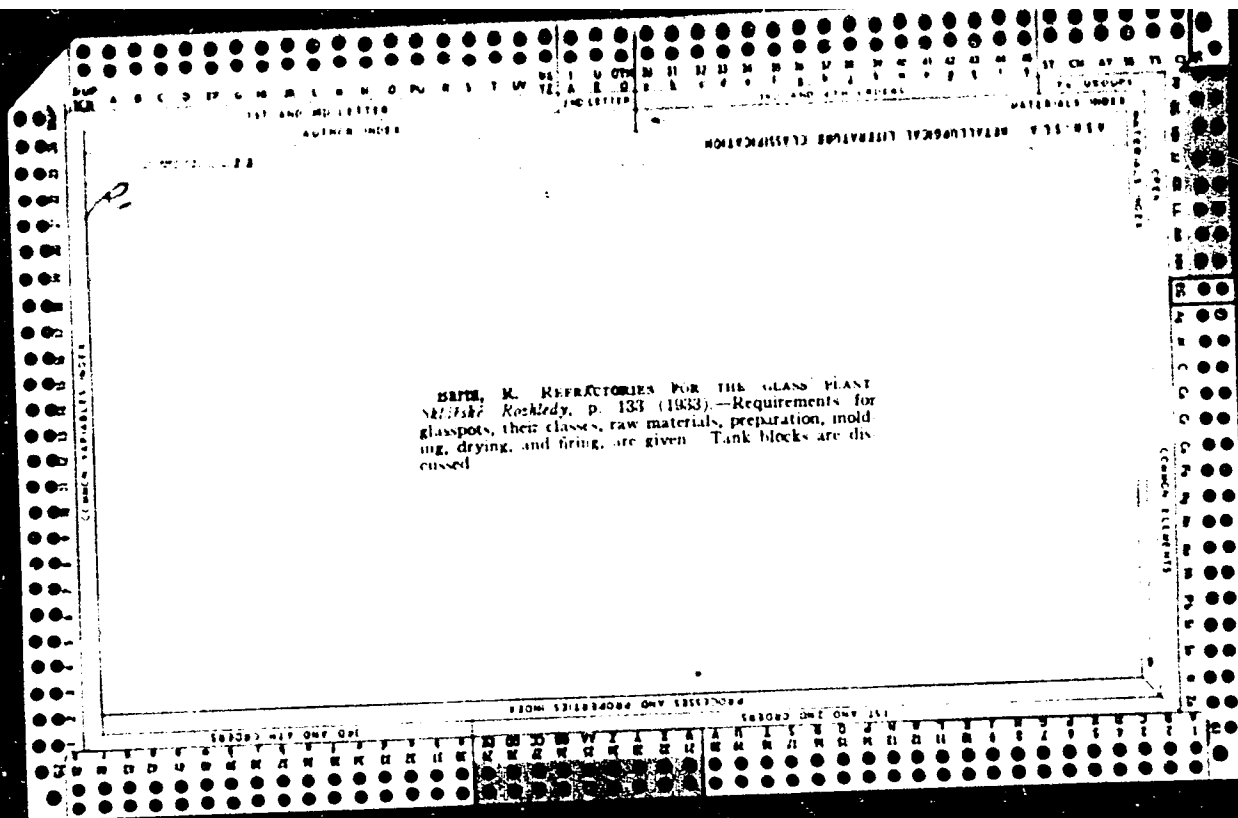
Quantitative microscopic analysis of ceramic materials by planimetric oculars.  
 R. HART. *Navy* 1930, No. 13; *Fraser* 7, 88(1931); *Ceram Abstracts* 10, 734—This  
 method of analysis is suitable for ceramics, especially for the detn. of cryst. quartz and  
 feldspar. In fragments of a white ware there were found "akopalite," an isomorphous  
 mixt. of  $Al_2SiO_5 \cdot 6Ca_2Ca(OH)_2$  and  $Al_2SiO_5 \cdot 3Na_2AlCl$ , and "nephelite" ( $CaAl_2SiO_7$ ); in a  
 slag block "pseudowollastonite" ( $Ca_2SiO_5$ ) was found. G. G.

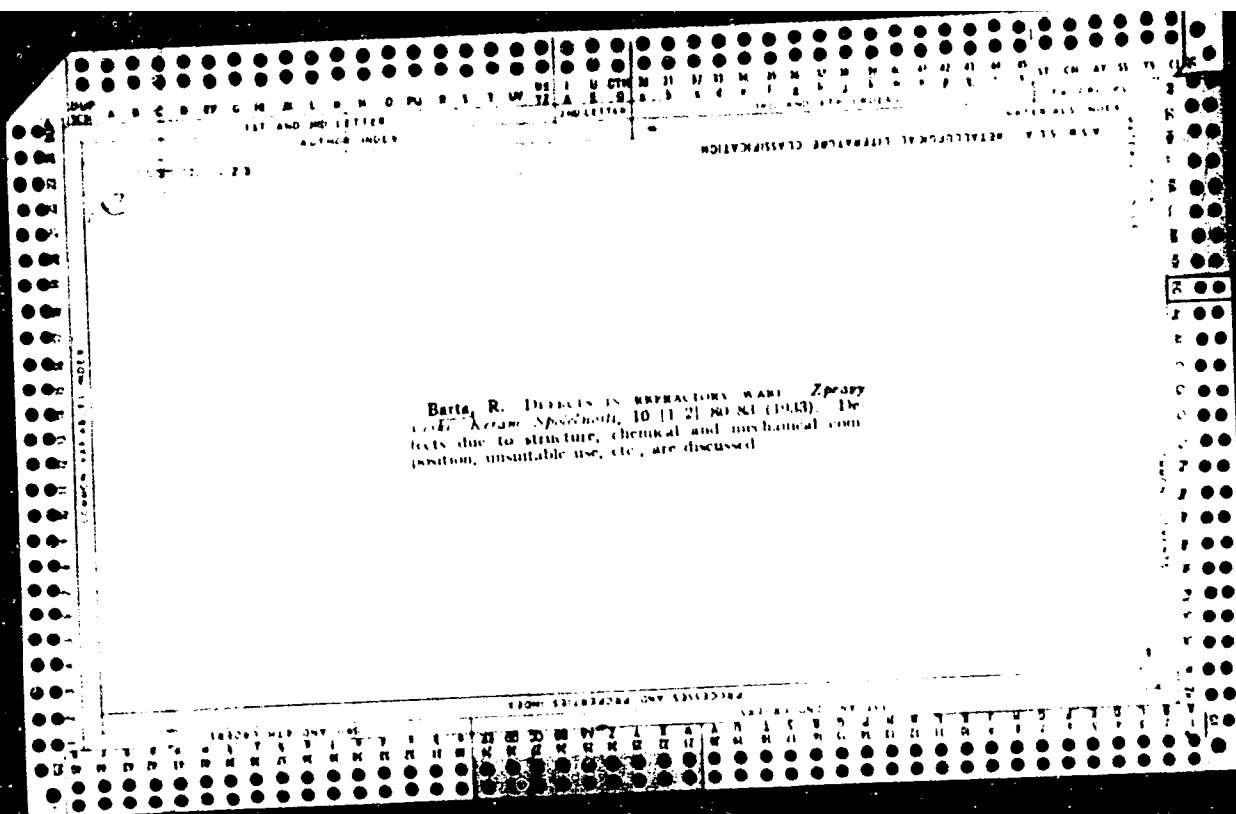
ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

METALLURGICAL LITERATURE CLASSIFICATION

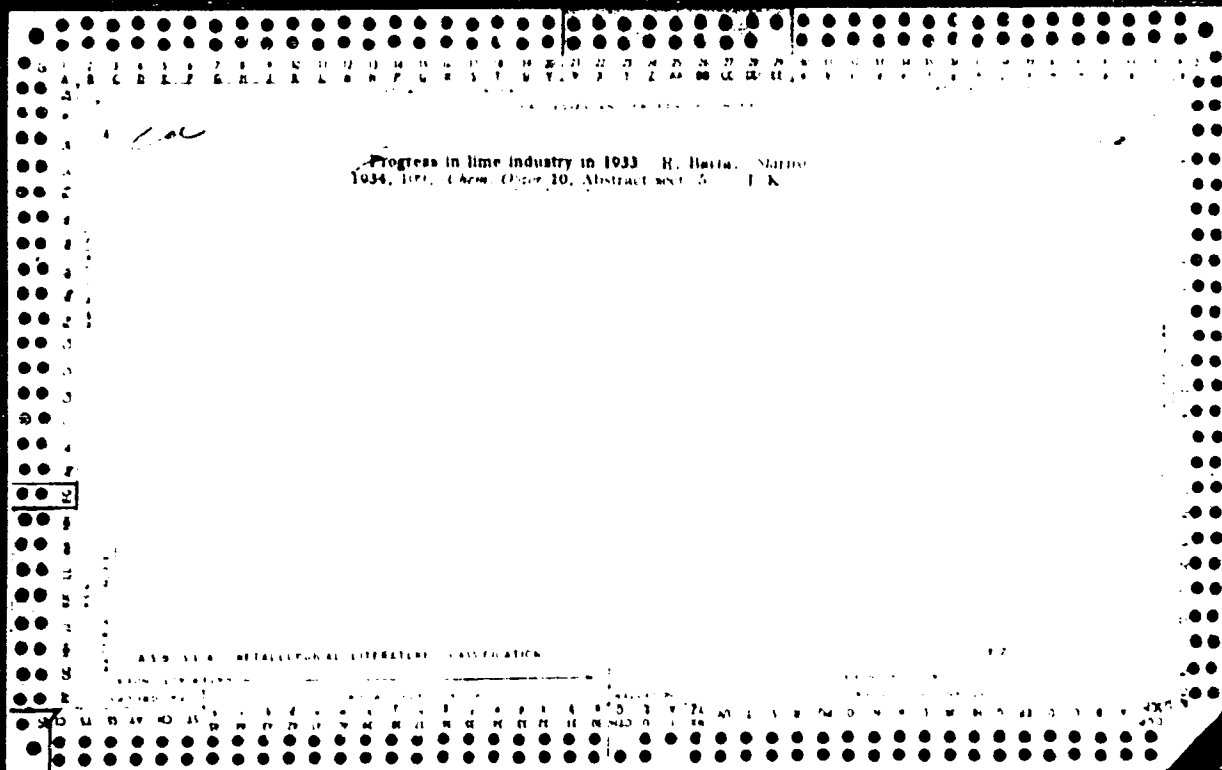












PRECISES AND PROPORTIONS

In which direction does the development of the ceramic  
industry trend? R. Barta. *Stroitel. Material.* 1934, No.  
9, 3-8. R. E. Stefanowsky

19

ASST. SEC. METALLURGICAL LITERATURE CLASSIFICATION

B-I-10

B<sup>2</sup>

1ST AND 2ND COORDS      PROCESSES AND PROPERTIES INDEX

CHANGES IN CEMENT DURING STORAGE. R. HARTA  
 (Zpravy tech. karnm. Spol., 1934, 11, 70-80; Chem.  
 Zentr., 1935, II, 2906-2907).—(changes during silo  
 storage for a month have little effect on the strength  
 of cement, but delay the beginning of setting and  
 decrease the time of setting. After 7 months the  
 stored cement had increased strength and slightly  
 decreased fineness, and the initial set and time of  
 setting increased. Similar results were obtained with  
 cement kept for a year in paper or jute bags. Little  
 change in strength was observed in 2 years but the  
 setting time increased. Cement stored in paper bags  
 is stronger than that kept in jute sacks. J. S. A.

METALLURGICAL LITERATURE CLASSIFICATION

SERIAL NO.      DATE      AUTHOR      TITLE

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

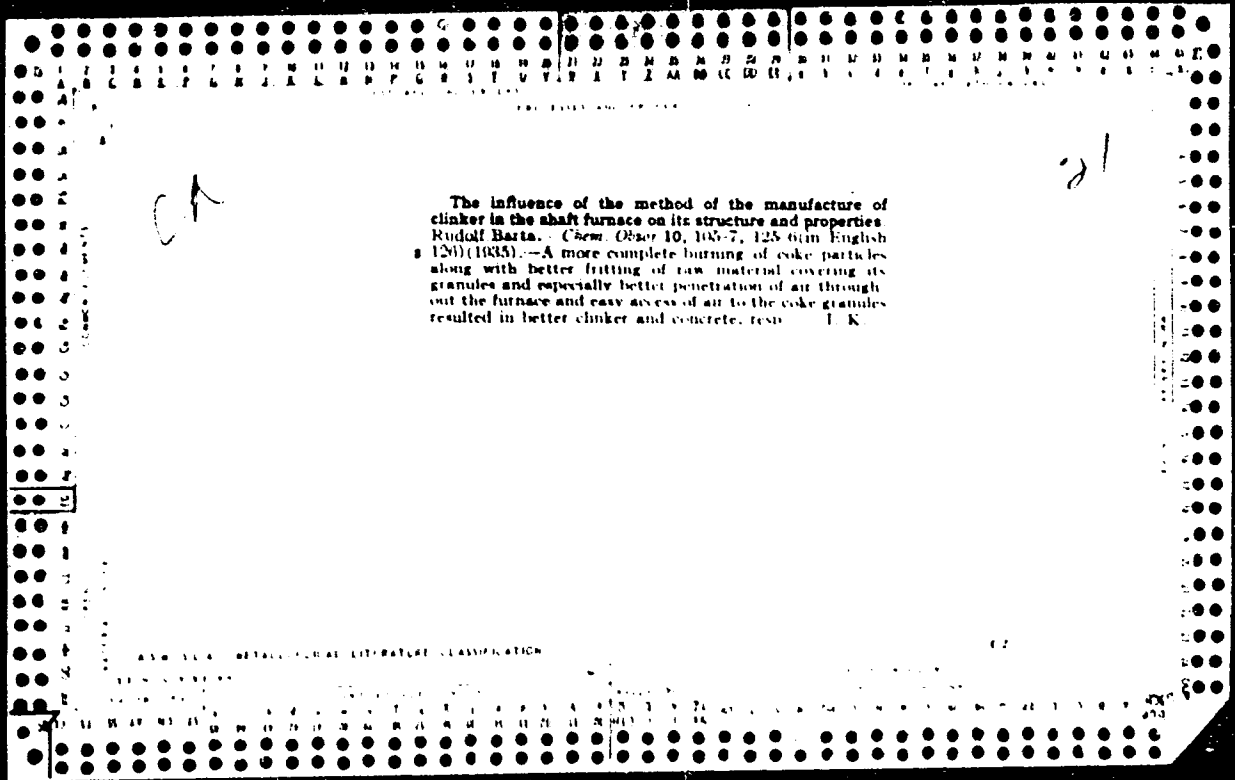
B-I-10

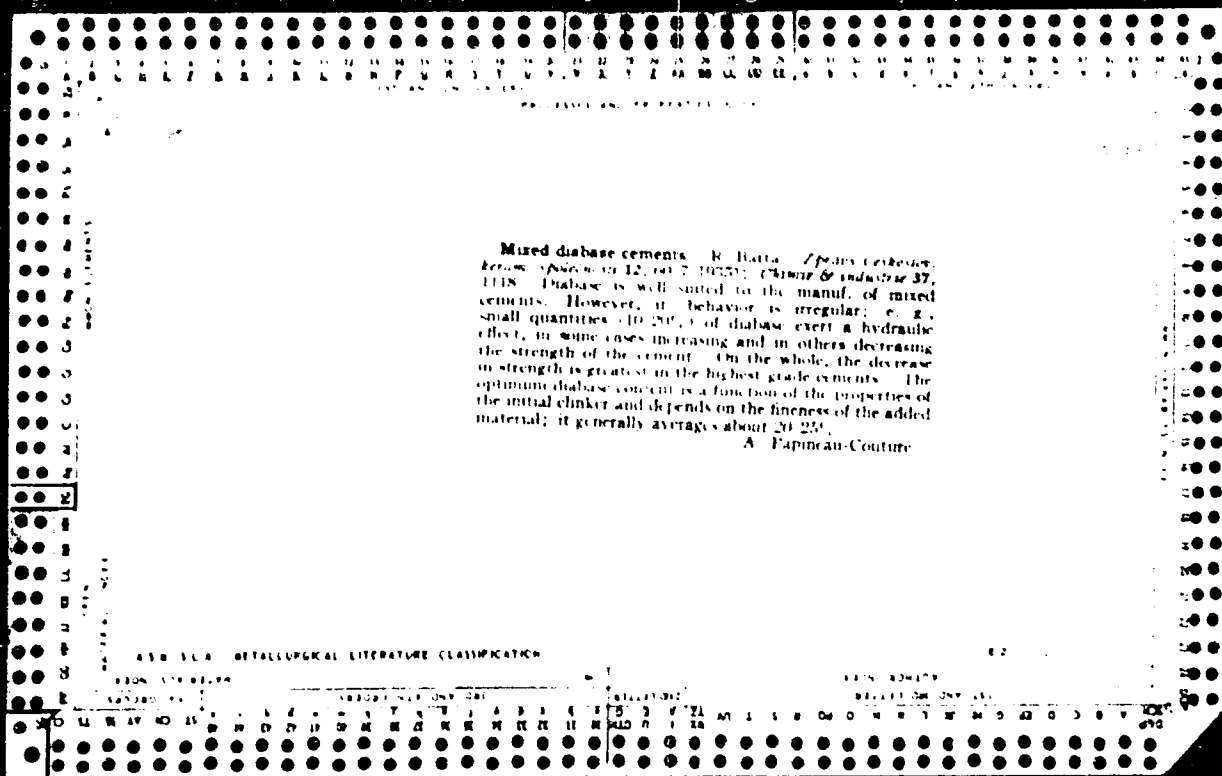
BC

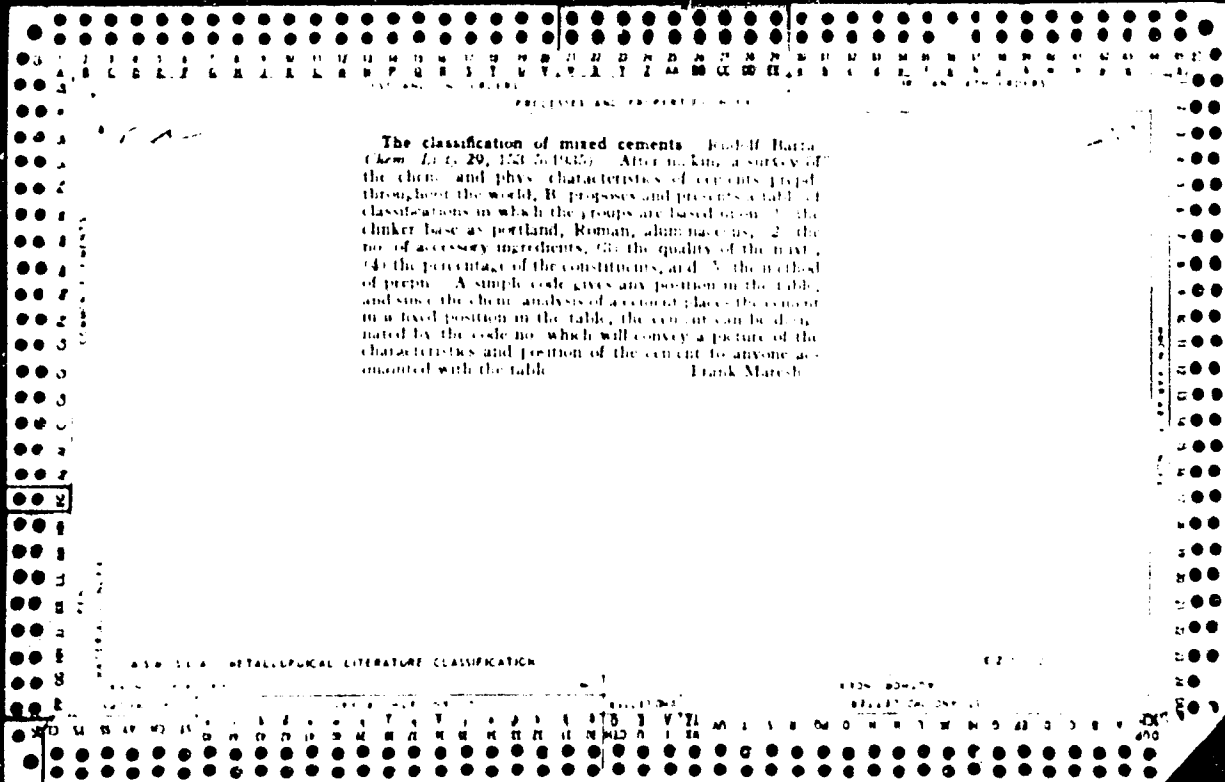
Heat evolution of cement during setting. R. BARTA (Chem. Abstr., 1935, 10, 41-44; Chem. Zentr., 1935, ii, 2567).—The magnitude of the heat evolution is correlated with the composition and manner of production of the cement. No direct relation between heat evolution and mechanical properties can be derived. The max. amounts of heat evolved by electro-cement, high-grade Portland, and ordinary Portland cement are in the ratio 3:2:1.5. High-grade Portland cement from marl burned in a rotary kiln shows greater heat evolution than when burned in a tunnel kiln with rotary grate; with ordinary Portland cement the reverse is the case initially but towards the end of the setting process it behaves like the high-grade cement. J. S. A.

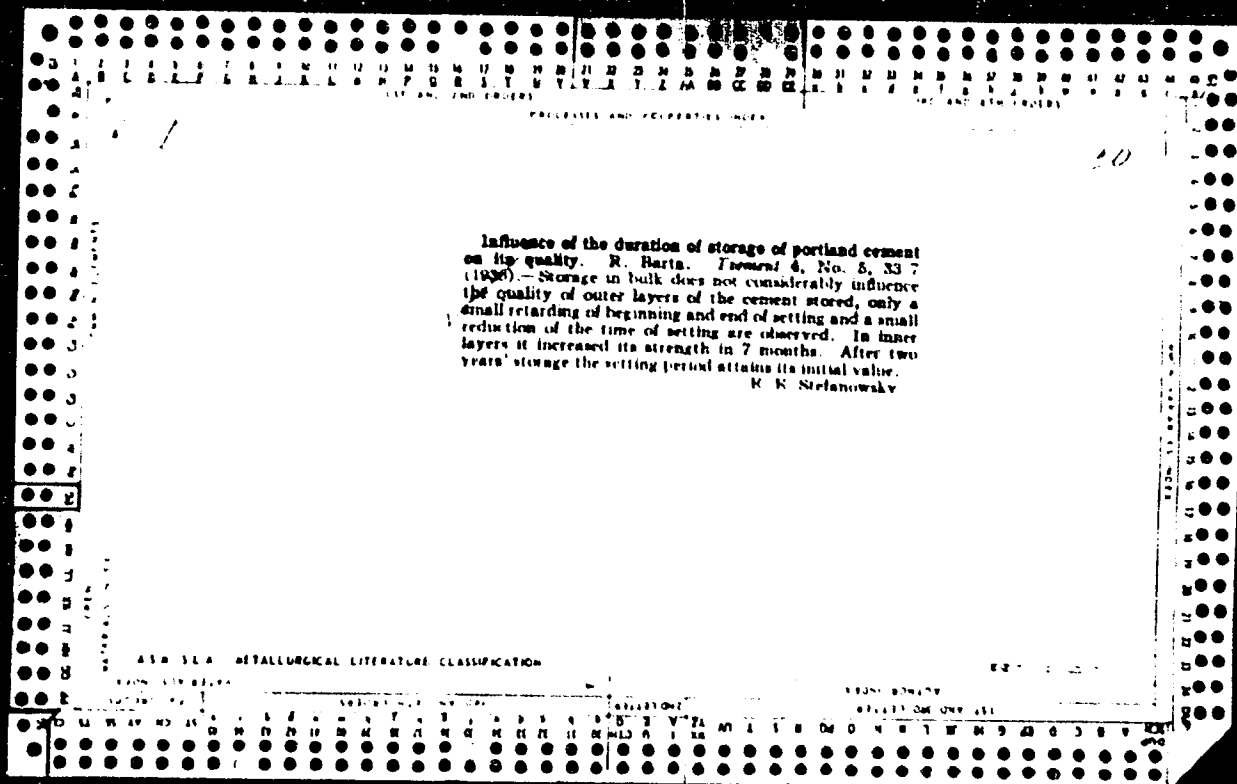
ASS. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

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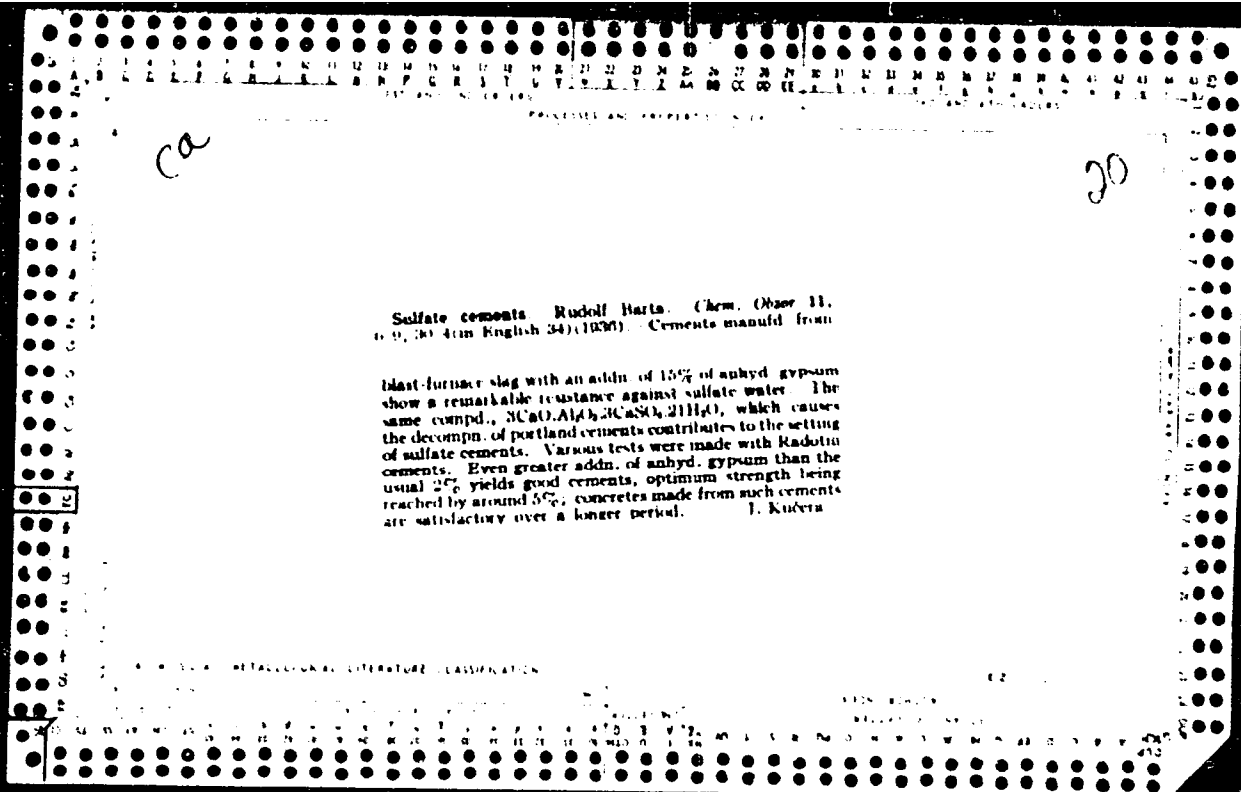


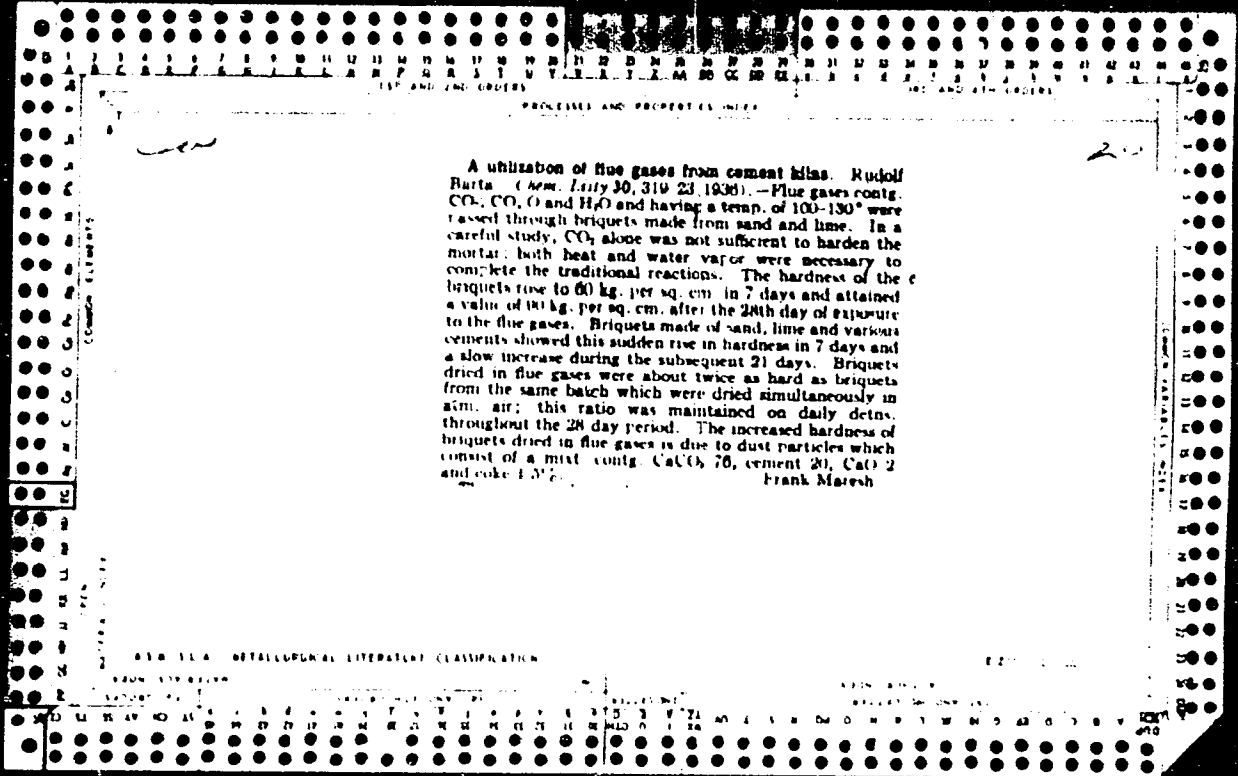


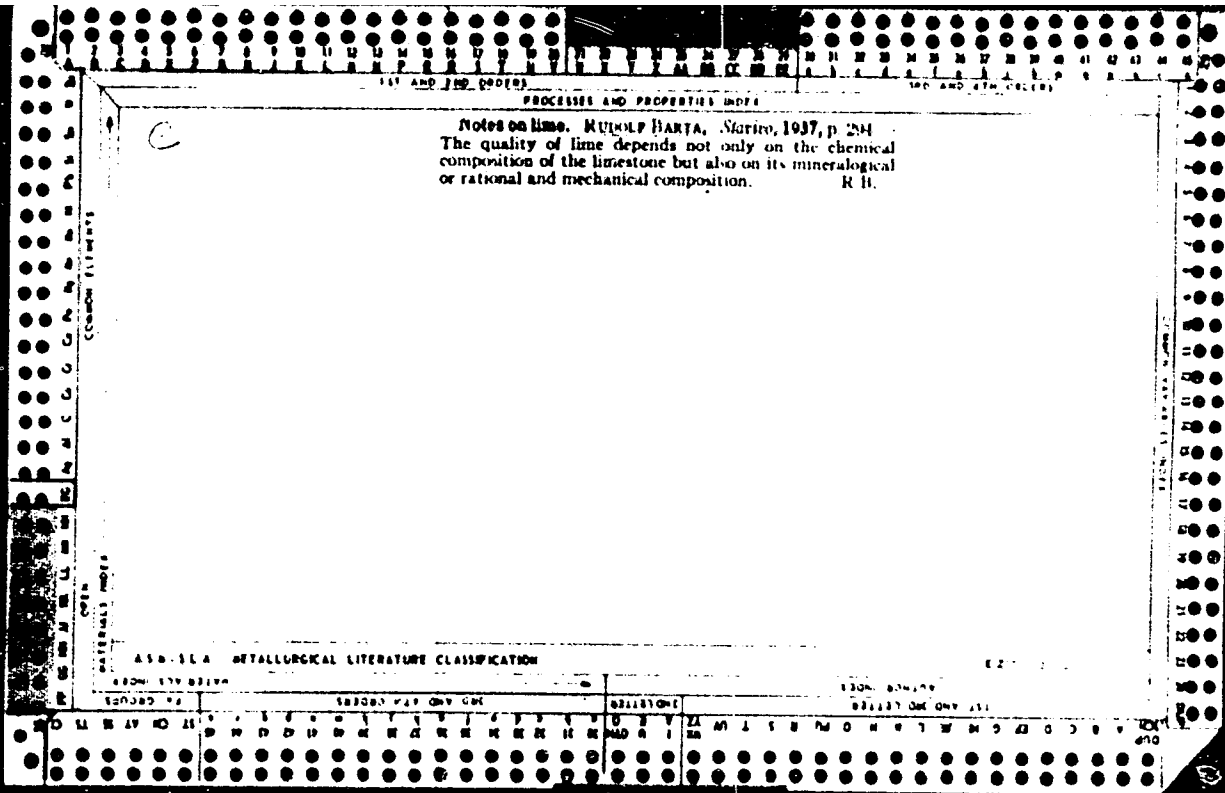


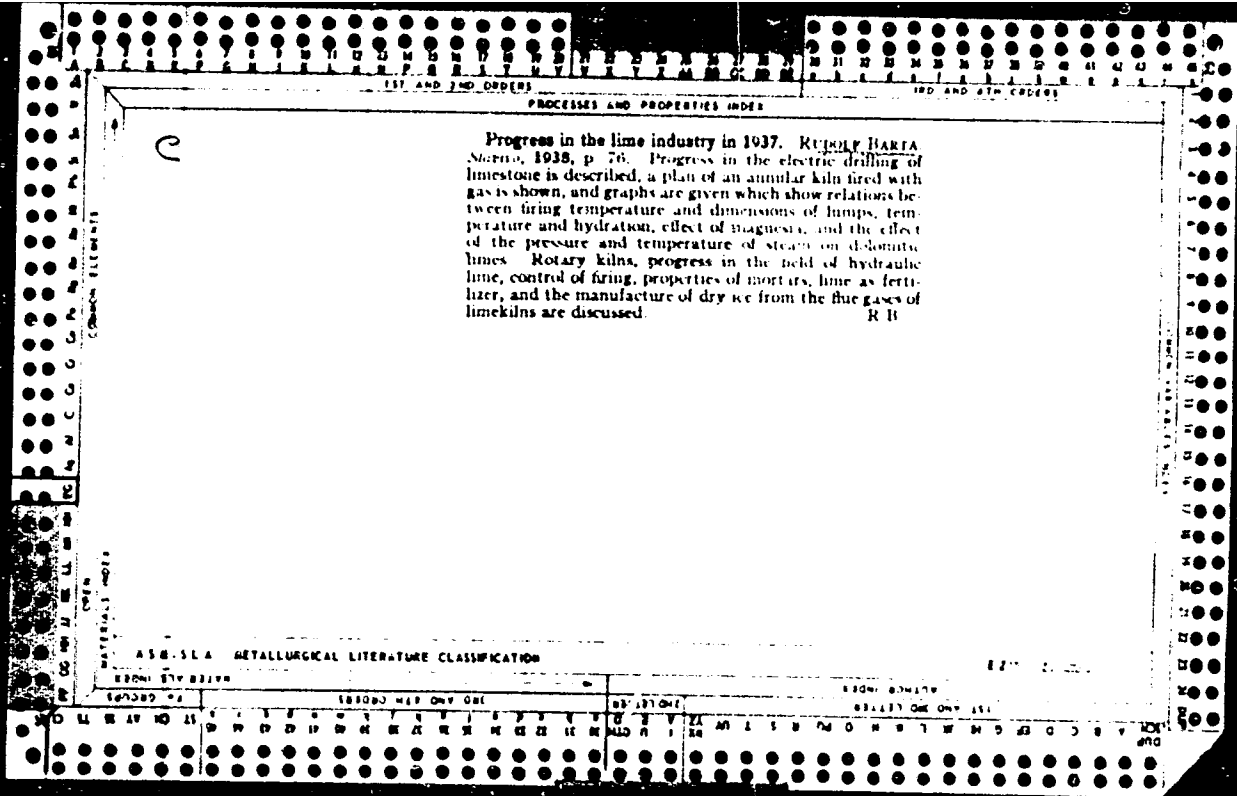












107 AND 110 (PAPER) 110 AND 111 (COVER)

PROCESSES AND PROPERTIES INDEX

12

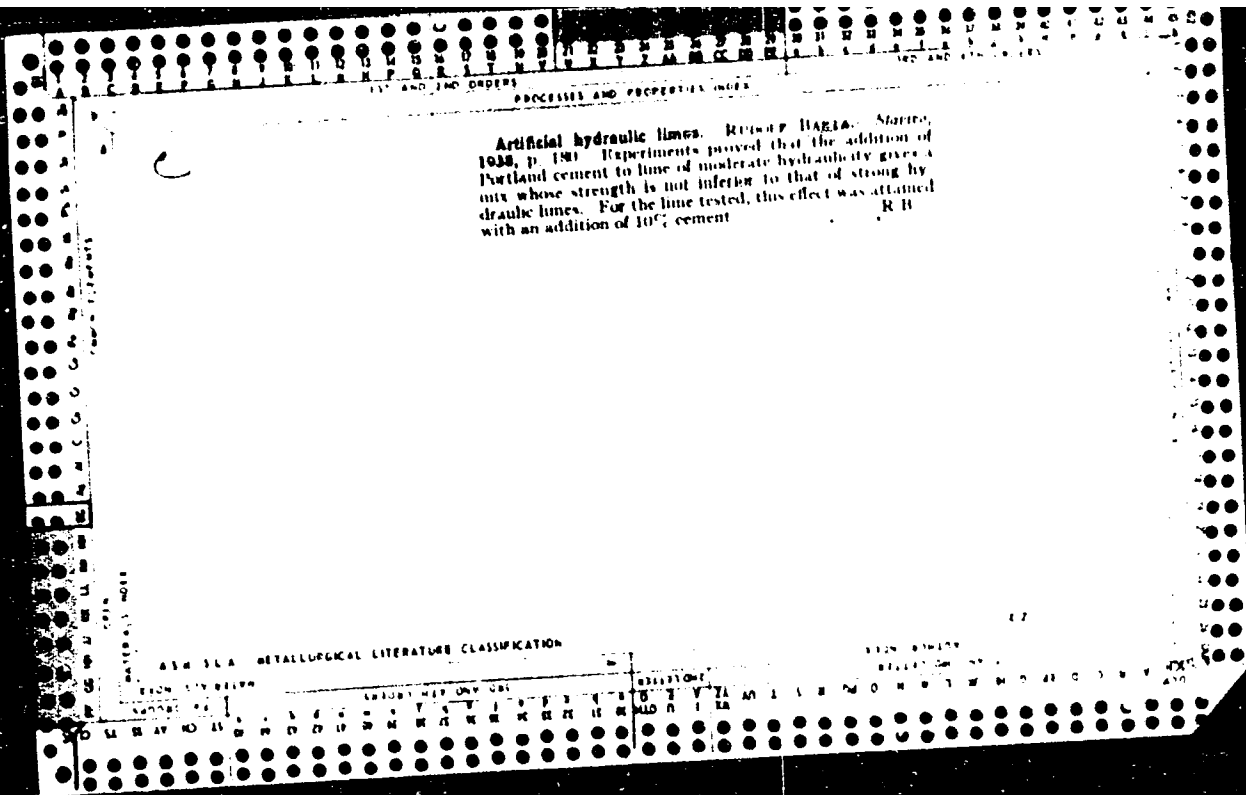
Production and sales of lime in 1937. RUDOLF BARTA  
Natura, 1938, p. 82. - In 1937 the Czechoslovak lime pro-  
duction was almost the same as in 1936, 450,000 metric  
tons. The price index was 825 (100 for the year 1913).  
Foreign trade was active, amounting to K 1,377,000 for the  
first 11 months of the year. R. B.

COMMON ELEMENTS

MATERIALS INDEX

ASB-ILA METALLURGICAL LITERATURE CLASSIFICATION

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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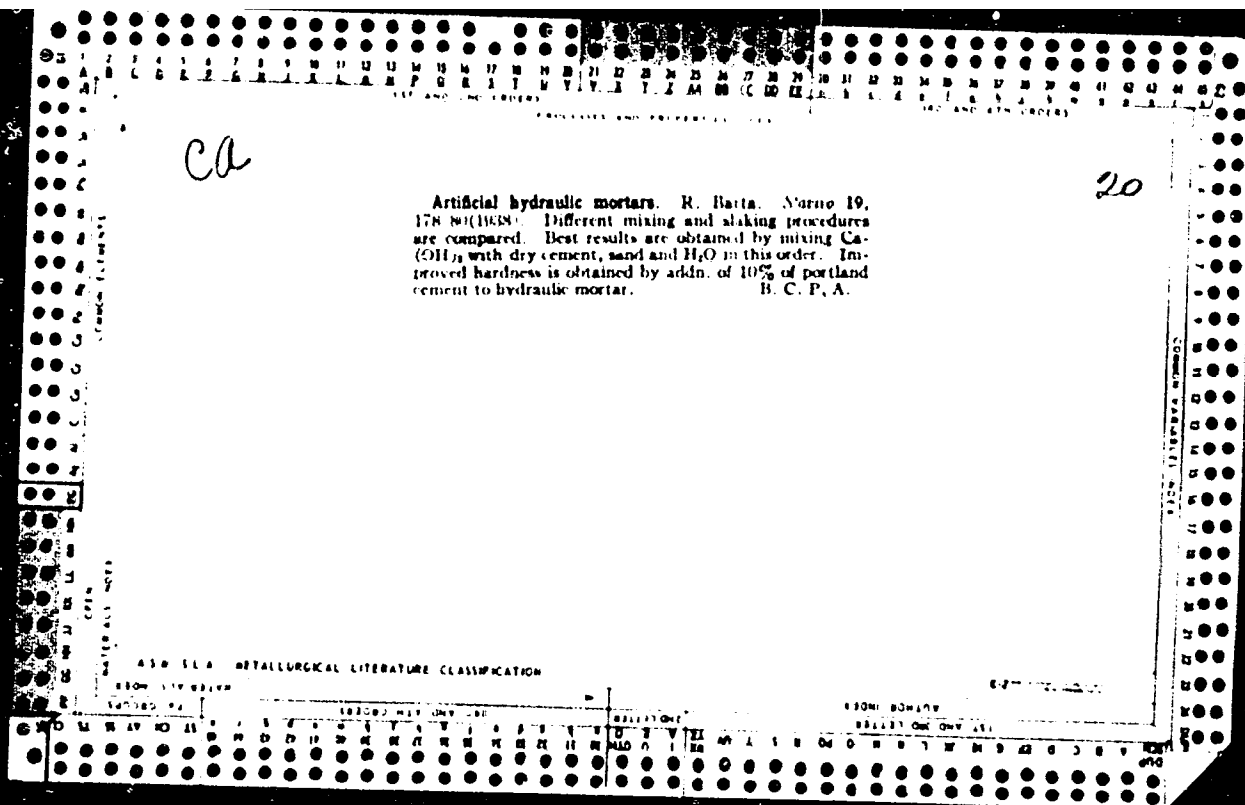


BARTA, R.

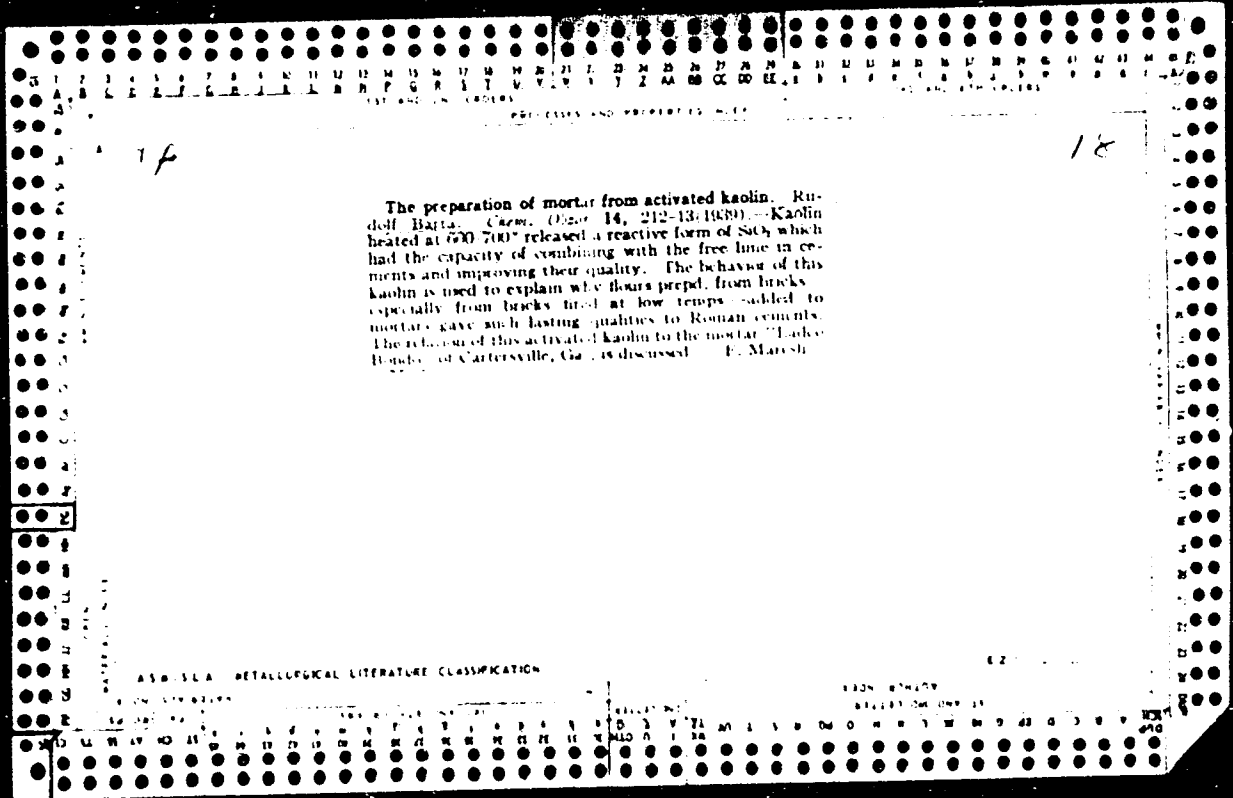
**SPRINKLING CLINKER WITH SOLUTIONS.** Rudolf Barta.  
Staviva, 1938, p.304. -- If rapidly hardening clinker is sprinkled with a solution of  $CaCl_2$ , its strength is improved, but this improvement is smaller than that which may be obtained by the addition of gypsum. The chemical composition of the clinker has only a slight influence, and the use of too large quantities of the solution may be disadvantageous. Best results are obtained with 1 to 3%, and the effect does not depend on type, age, or size of the clinker. When the hot clinker is sprinkled with water, more glassy matter develops. The best method consists in sprinkling the hot clinker with water and then retarding the hardening by the addition of broken plaster molds; in special cases these might be replaced by a 1 to 3% solution of  $CaCl_2$ . 8 photomicrographs. R. B.

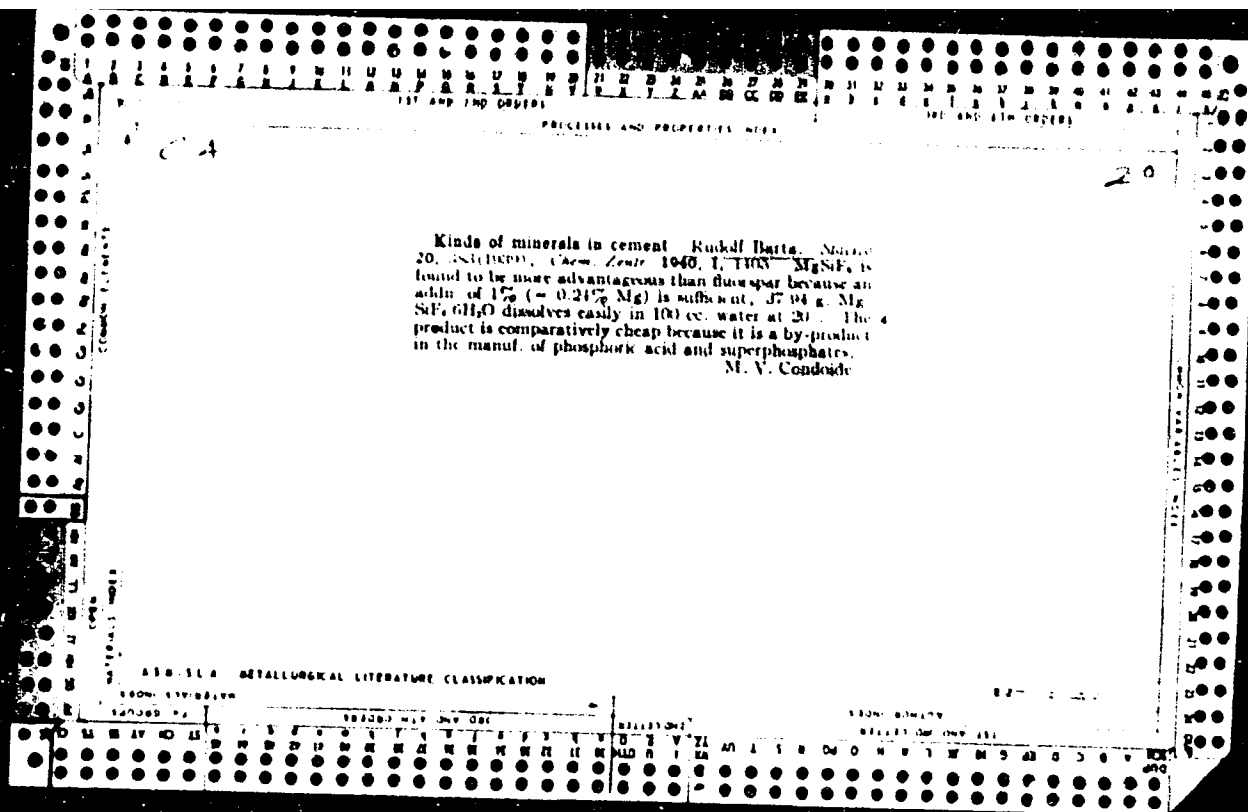
U.S.S.A. METALLURGICAL FEATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42  
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QP QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ



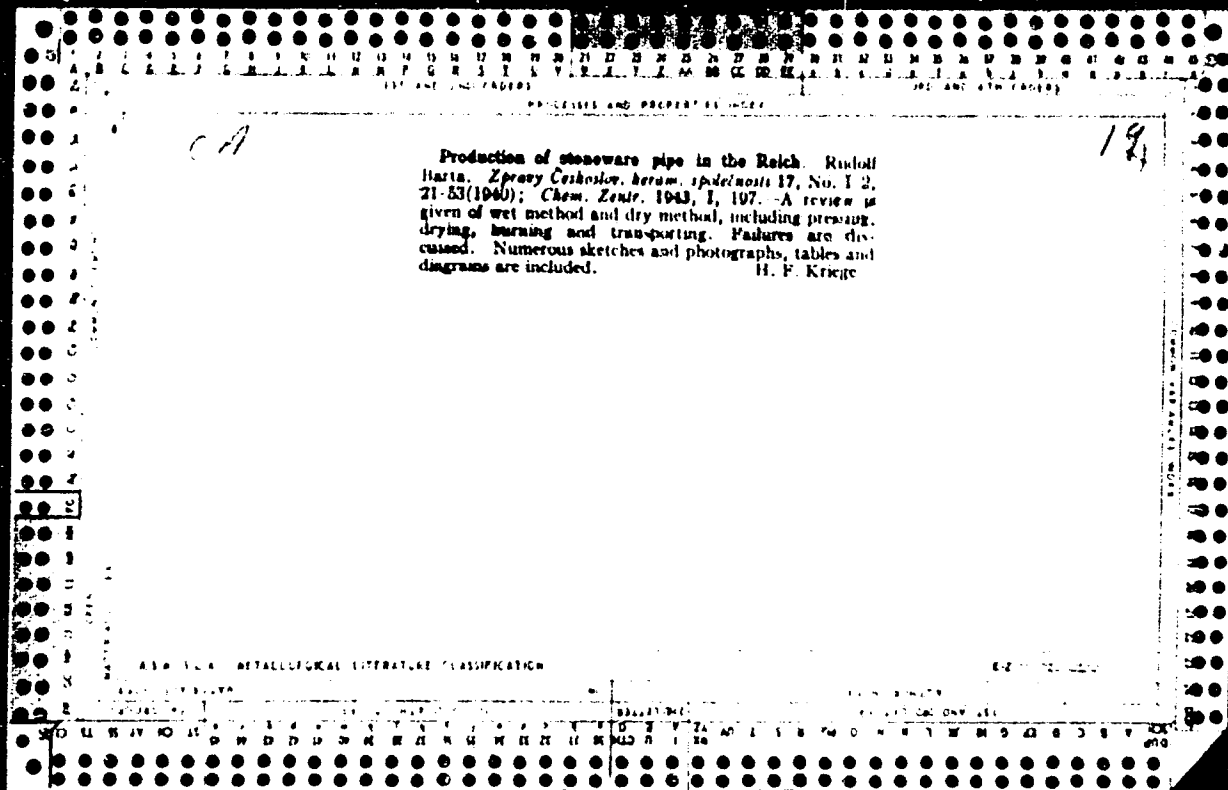






BARTA, R.

Barta, R. NEW MATERIALS IN THE GLASS AND CERAMIC INDUSTRIES. *Chem. Obsor.*, 15, 50-59 (1940) -- R. summarizes the development of the silicate industry and the important varieties and properties of glass, brick, refractory materials, fine ceramic ware, lime gypsum, MgO cement, cement, and concrete.



LIST AND 2ND CODES										PROCESS AND PROPERTIES INDEX										1ST AND 3RD CODES									
Cement industry in Czechoslovakia. Rudolf Barta. Chem. Abstr 22, 129-31(1947). - In operation are 12 cement plants organized into 3 national enterprises with a yearly capacity of 2,000,000 tons. A description of the tech. equipment and manuf. process is given. Research work is concd. at 2 institutes: the institute for glass, ceramics, technology and testing of construction materials at the Czech Tech. University, Prague, and the National Silicate Institute, Brno. Jan Micka																													
A 58-51A METALLURGICAL LITERATURE CLASSIFICATION															6-27														
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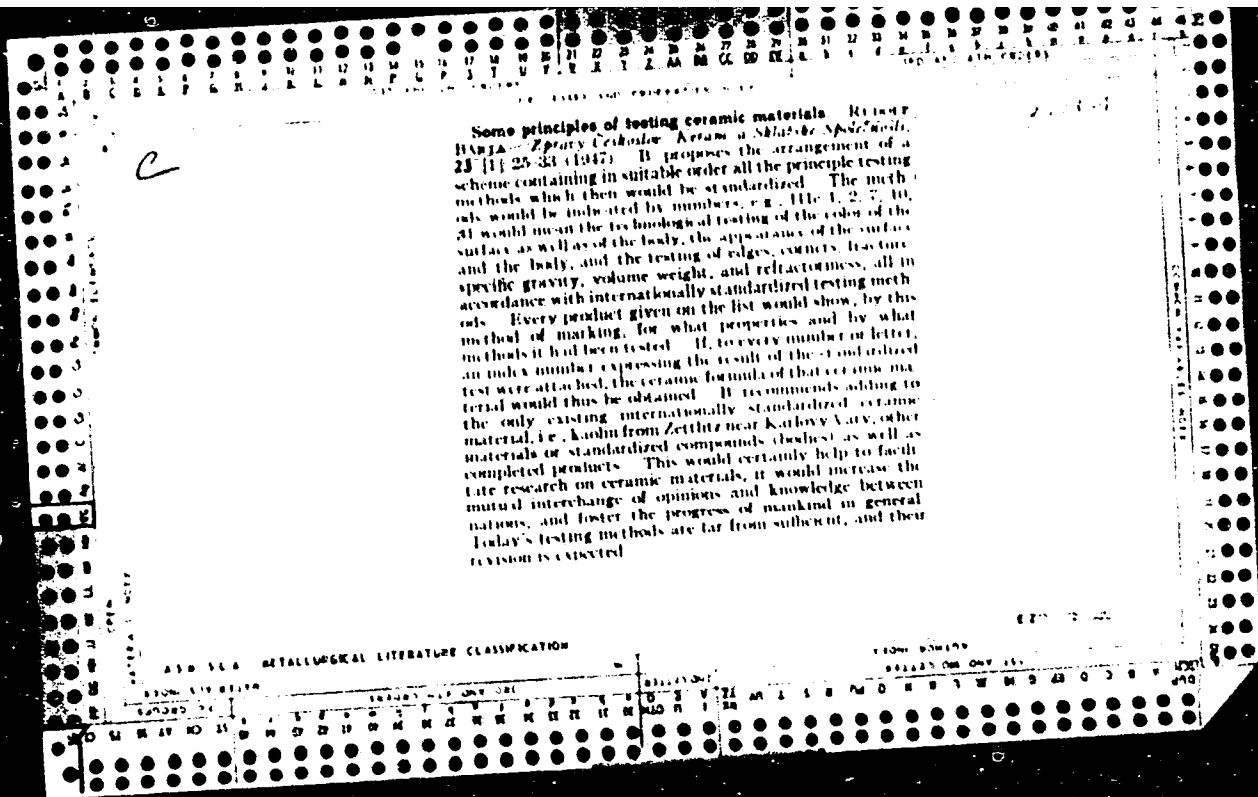
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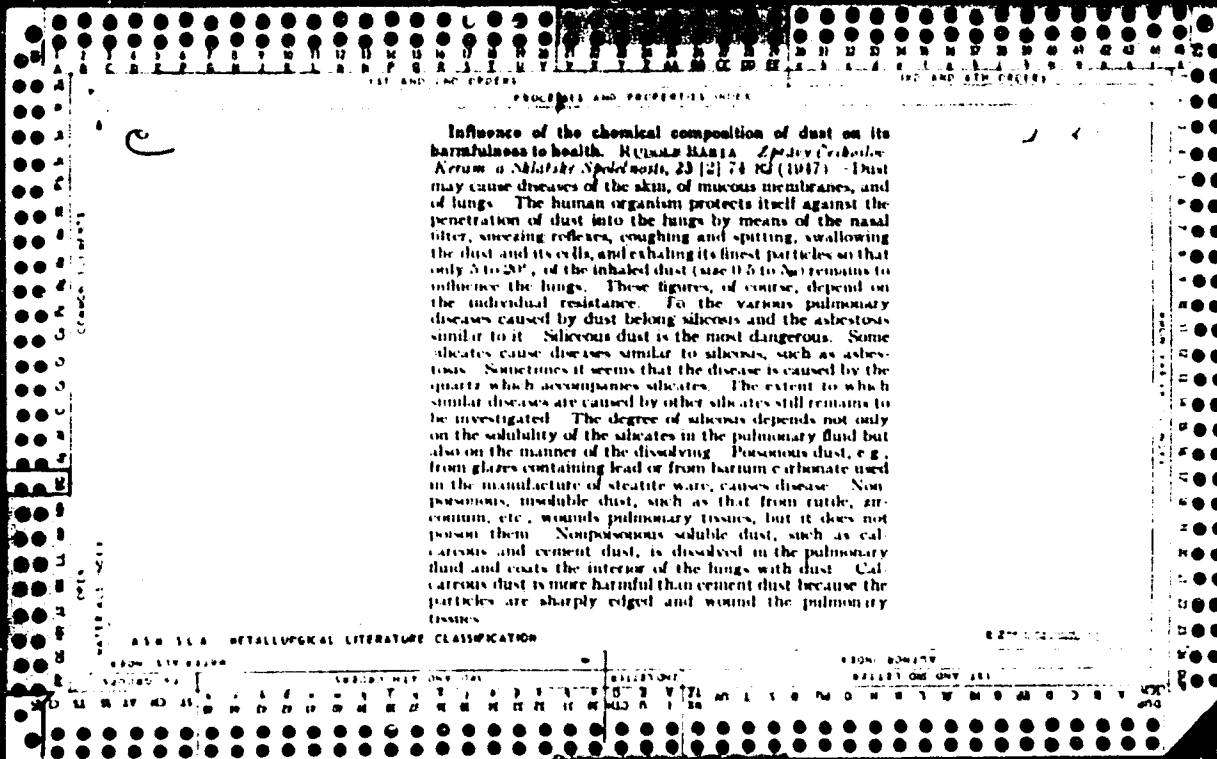
CA

Ceramic industry in Czechoslovakia. Rudolf Hata. Chem. Abstr. 22, 151-2(1947).—Czechoslovakia is rich in high-grade ceramic raw materials which are enumerated with prewar statistical data on output of bricks, clinkers, refractories, building materials, ceramics, sanitary ceramics, and Bohemian porcelain. Carborundum and electricite manufl. at Stare Benatky o/J are well known. J. M.

ASAC-55A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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BARTA, Rudolf

Chemical Abst.  
Vol. 48 No. 9  
May 10, 1954  
Cement, Concrete, and  
Other Building Materials

Moistening the clinker with solutions. Rudolf Barta (Vysoká škola chemická, Prague, Czech.). *ČASOPIS* 41, 154-9(1947).—The effect of moistening the clinker with H<sub>2</sub>O depends on the nature of the clinker, especially on the time of solidification, temp., and age of the clinker, the equality of the dispersed solns., on the degree of grinding, etc. Moistened slowly solidifying clinker has a final tensile strength lower than the unmoistened. The initial tensile strength may increase if moistened with 2% HCl or 2% Fe<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>. The addn. of 4% plaster body during grinding lowers the initial tensile strength, the final tensile strength being the same as with the cement prep'd. from pure clinker. Moistening a fast-solidifying clinker increases the tensile strength, which is much lower than that of the cement from a slowly solidifying clinker and from a fast-solidifying clinker ground with 4% plaster body. The effect of moistening is higher when carried out with hot clinker than after 24 hrs. Unmoistened clinker ground with 4% plaster body had higher tensile strength than a similar mixt. moistened with H<sub>2</sub>O. Moistening clinker with cold water while still hot is effective.

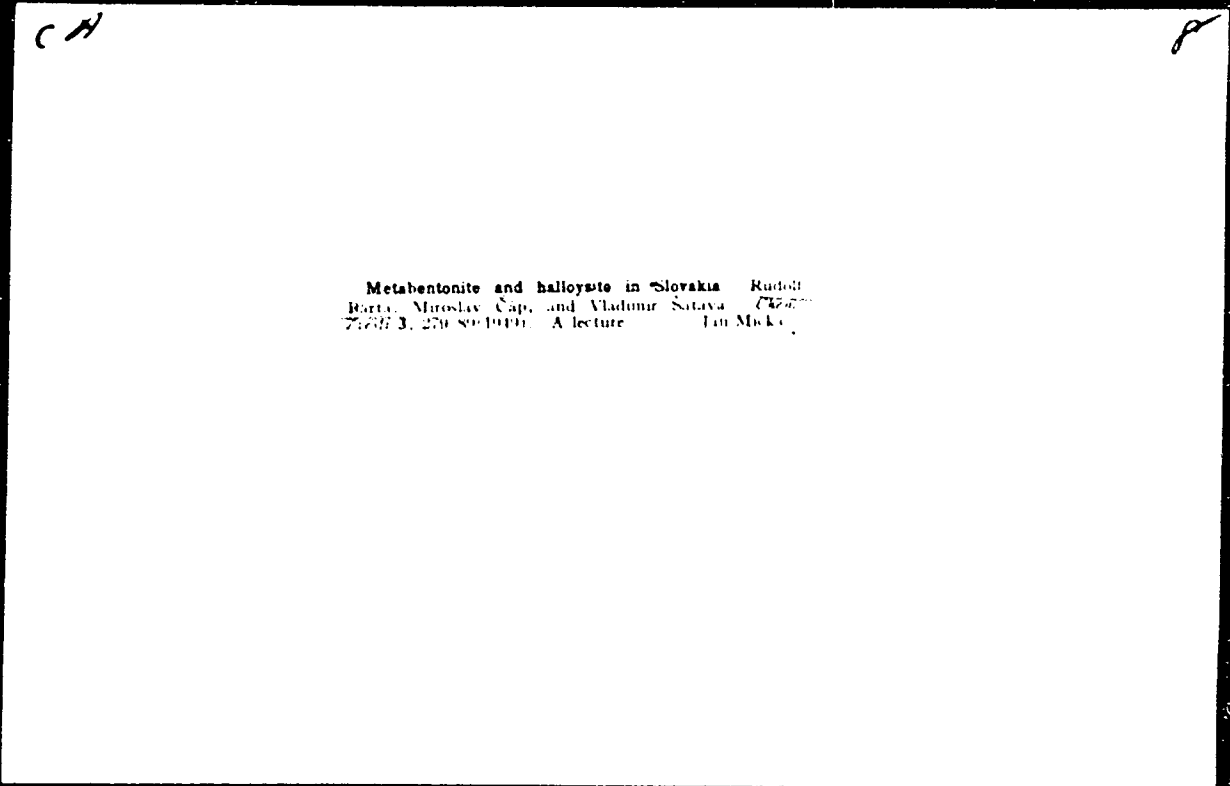
M. Hudlický

BARTA, R.

~~Czech glass terminology~~ R. BARTA, *Slovenské Rozhledy*, 24 (6-7) 97-98 (1948). - The purpose of a special department in the journal is the establishment of consistent terminology by open discussion. Problems include new terms, Slavonic roots for foreign terms, formative endings in term families, Slovak vs. Czech terms, and the creation of a Czech-Russian-English-French-German dictionary of glass terms. N.J.K.

1-2-40

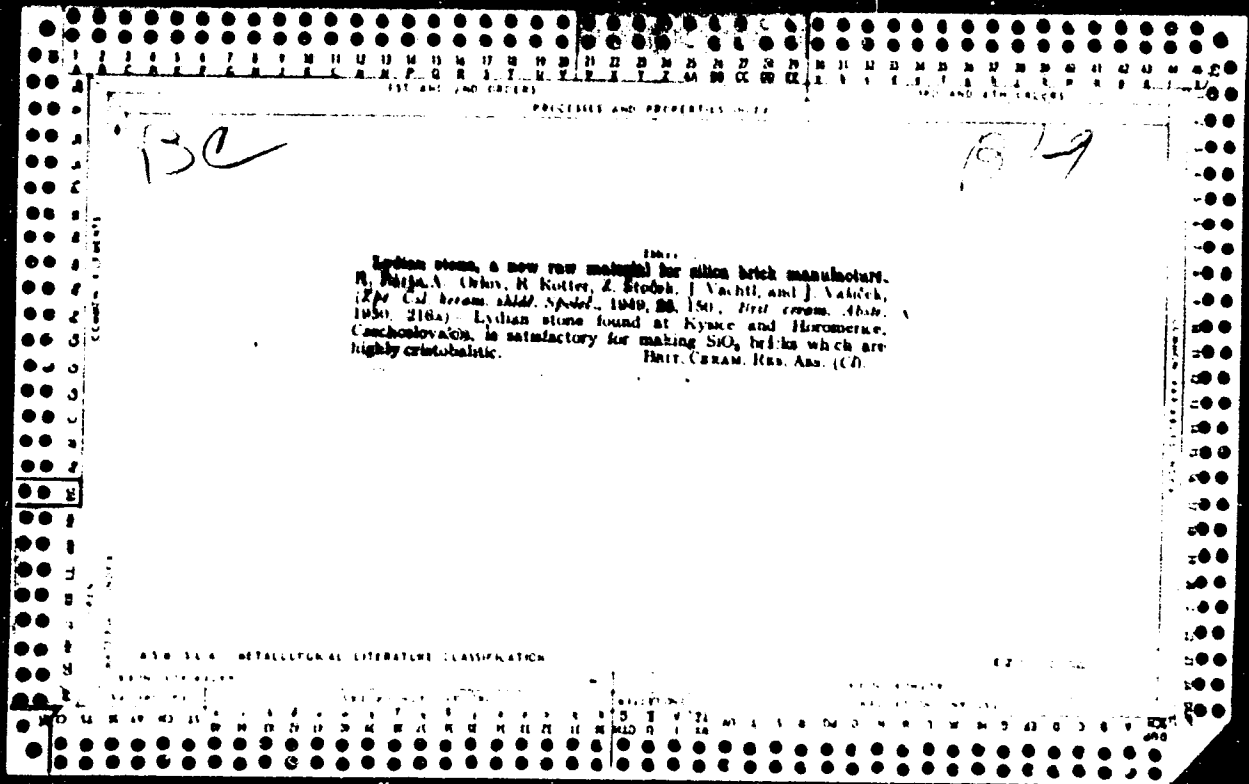
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1308.

Management 1/1950

**256. Ceramic engineering.** R. BARTA (*Zpr. Čs. Keram. Sklár. Společ.*, 25, No. 1, 67, 1949). In February, 1949, Dr. Barta opened a new school of ceramic engineering at the Institute for Glass and Ceramics, Prague. The syllabus is based on those of American universities. The work of Budnikoff and Mendeleev in the U.S.S.R. and of Mellor and Turner in England is referred to appreciatively. The Czechoslovakian Ceramics Institute is being assisted by four professors, five lecturers, and twenty engineers. Other countries that now have courses in ceramic engineering are the U.S.A., Canada and the U.S.S.R.



PROCESSES AND PROPERTIES OF METALS

29

Mechanical Grading. K. Barta. (Hansky Obzor, 1940, vol. 4, Jan., pp. 1-5; Feb., pp. 27-31; Mar., pp. 36-41). In Czech. The mechanical grading and separation of different solid media, solid media from gases, different fluids from each other, fluids from gases, different gases from each other, and solids from fluids are described, the theory is discussed, and brief details of some plants are given. K. G.

ABR 11.4 METALLURGICAL LITERATURE CLASSIFICATION

CERAMICS AND GLASS IN THE FIGHT AGAINST CORROSION. R. Nárta.  
Sborník Masarykovy Akad. Práce, 24, 263-78(1950).--Uses of porcelain,  
glass, enamel, acid-proof stone, concrete, and silicones to combat  
corrosion are discussed.

N. Ha.

*Raw Material*

BcS

405. Let us value our diatomaceous earth more. - R. HARTA (Natura, 26, 33, 1954). On the basis of research at the Glass and Ceramics Institute in Prague, and visits to factories at home and abroad, the conclusion is drawn that diatomite is not valued enough in Czechoslovakia. The various localities where diatomite is found in Czechoslovakia and abroad are mentioned. The properties, origin, and use of diatomite are dealt with extensively. Many other insulating materials are compared with it, but none is a substitute at moderately high temps. (6 pgs.)



3cs

*Raw  
Manufacturing  
Processes.*

407. Modern brickworks. - R. HARTY (Stavro, 28, 213, 230, 248, 1950). After the great progress in the design of brickworks due to the Swiss and Germans at the beginning of this century it appeared that the only necessary change in the brick-making process was improvement of the artificial drying. This was the course taken in Europe. In the U.S.A. the development went towards reducing the H<sub>2</sub>O content

of the raw material by dry pressing. The slaty, plastic raw material used in the U.S.A. is very good for this purpose. In the U.S.S.R. dry pressing with low pressure was developed. The brick industry in the U.S.A. is treated exhaustively under separate headings, i.e. types of heavy clay ware, raw material sites and transport, brickmaking machinery, types of dryers and drying, different kilns in use and firing practice and transport of the finished article. Examples of 4 typical brickworks are given. It is also noted that the older types of tunnel kilns were not designed primarily from the standpoint of fuel economy and that very often round kilns are still in use. Comparisons with brickmaking practice in Czechoslovakia are shown wherever possible. (17 figs, 3 tables.)

BCS

*Raw Materials*

1201. Asbestos preparation.—R. BÄRTA (*Stavro*, 28, 298, 1950). The author describes the methods for processing asbestos used in the U.S.A., Canada and S. Africa and lists the various uses to which the shorter asbestos fibres and asbestos flour are, and ought to be, put. (7 figs.)

LA

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Green clay of Vonsov. R. Barta, V. Sitava, J. Vachtl, and J. Vabíček. Tech. Univ., Prague. *Chem. Listy* **44**, 177 (1950). The green clay of Vonsov (northwestern Bohemia) was subjected to chem. analysis, microscopic, thermal, x-ray investigations, and exam. under the electron microscope. Sorption capacity and ability to eliminate adsorbed electrolytes were detd. Possibilities of tech. use are suggested. M. Hudlák.

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BTR

612\* Recent Research on Dinaa Brick. (In Czech) Rudolf Barta. *Hutnické Listy*, v. 6, Sept. 1951, p. 417-421.  
Reviews the above. Describes new raw material known as lydite developed by the Glass and Ceramics Dept. of the Technical University at Prague. Mechanical properties are superior. Chemistry of transformations is discussed. Role of SiO<sub>2</sub> is also being studied. 44 ref.