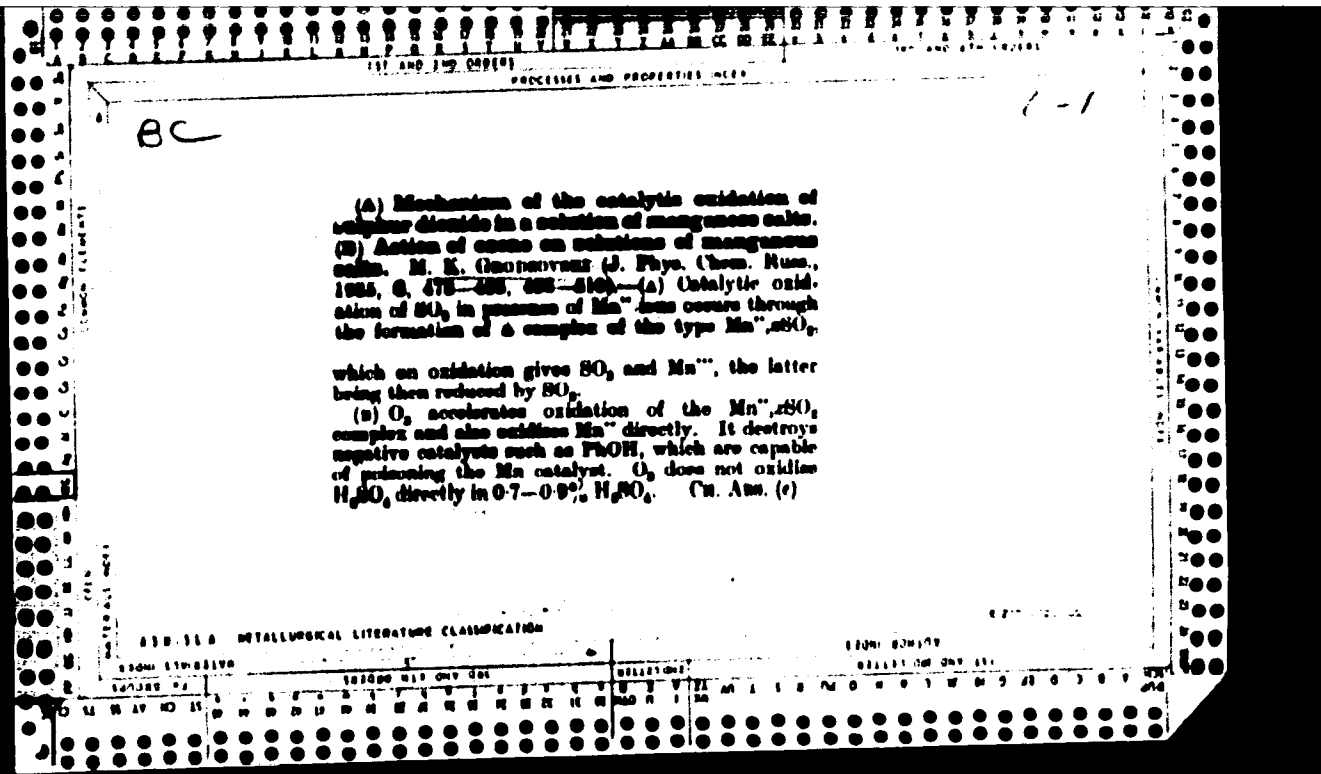


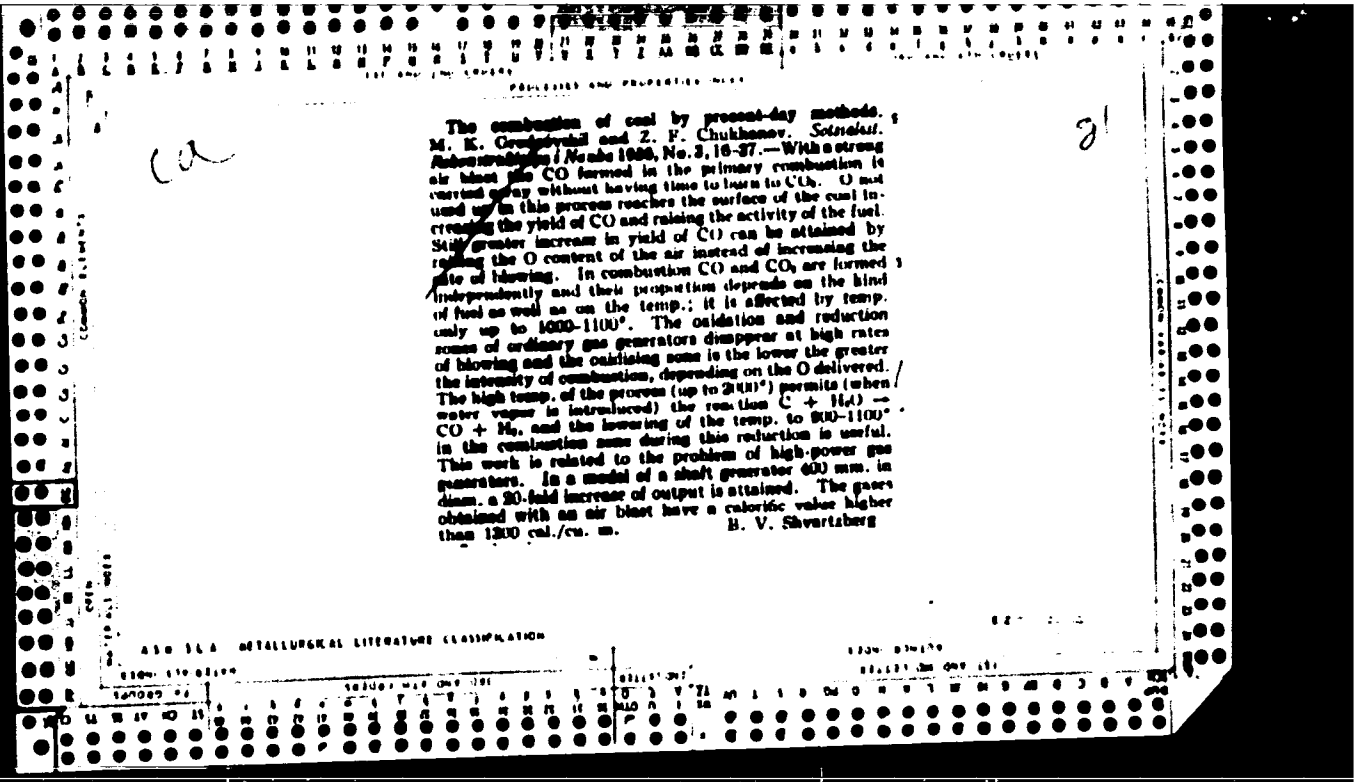
BC

B-1-2

Qualification of fuel by air enriched with oxygen.
M. E. Gerasimov and I. F. TCHERNASHOV (J. Appl. Chem. Russ., 1954, 7, 1298-1302).—The main reaction taking place when air is passed over C at $> 900^\circ$ is $2C + O_2 \rightarrow 2CO$, with $C + O_2 \rightarrow CO_2$ as a side-reaction; the reaction $CO_2 + C \rightarrow 2CO$ does not take place to any significant extent, whilst oxidation of CO proceeds appreciably when the velocity of flow is small. The length of the combustion zone (l) diminishes, and its temp. rises, with increasing $[O_2]$; increasing the rate of flow has the opposite effect, owing to the more intense oxidation due to the increased O_2 supply. The quotient CO/CO_2 increases with increase in the active surface of the C, in the rate of flow, and in the $[O_2]$. R. T.

ADD SLA METALLOGRAPHICAL LITERATURE CLASSIFICATION





21

CA

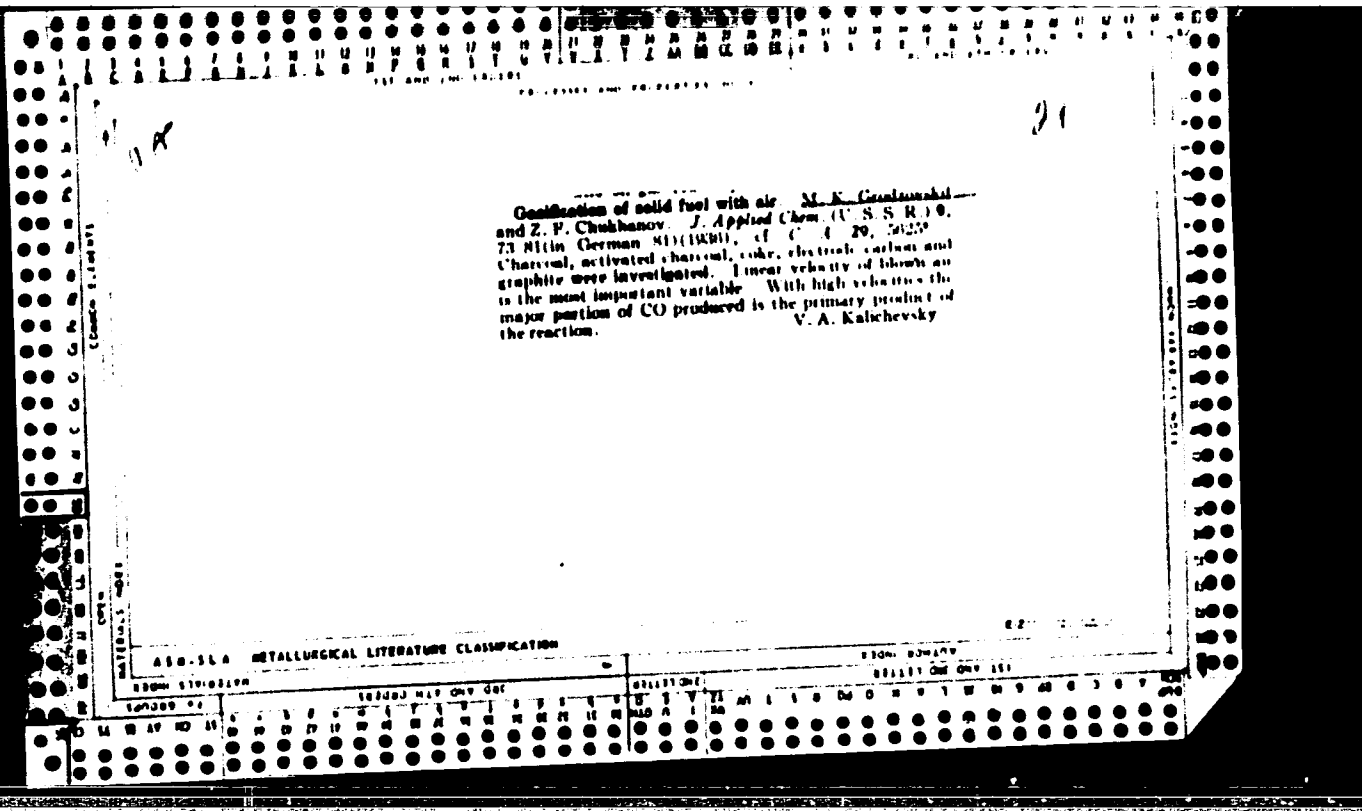
High-velocity gasification in the oxygen zone. I. Gasification as the process of carbon combustion (oxidation). M. K. Gerasimovskii and Z. F. Chukharyov. *Akim. Tverdye Topliva* 7, No. 10 (1960); cf. C. A. 29, 5025P.

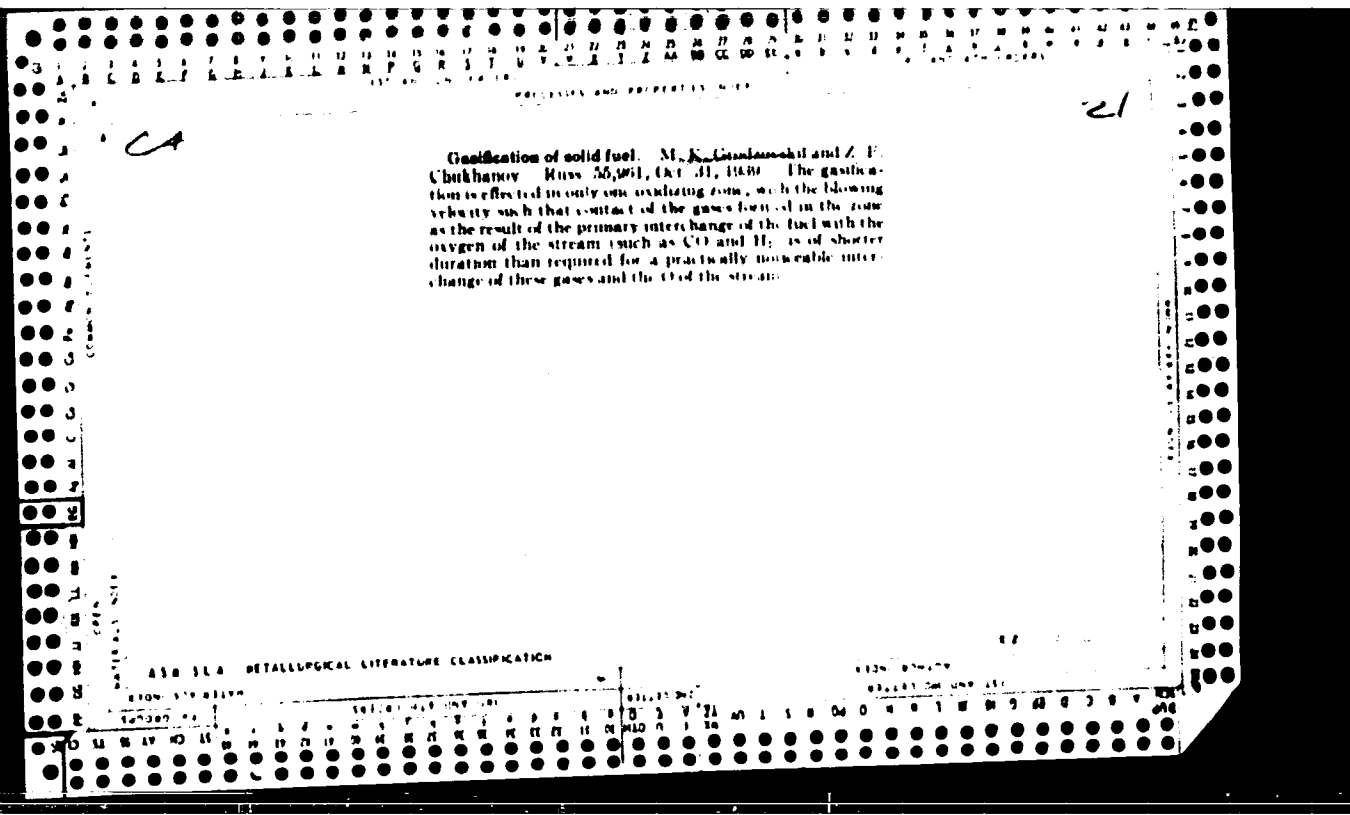
The products of primary reactions between O and C are CO and CO₂, the ratio of which varies, depending upon the type of C (kind of fuel). Thus, the greatest amt. of CO (22%) was obtained in the combustion of activated wood charcoal. Nearly the same amt. was obtained in the combustion of wood charcoal, while gas coke and electrode carbon produced about 24-40% of CO. At the same time, the amt. of CO₂ left unchanged was 1.2% for the first and 6.8% for the last two. With increase of the velocity and amt. of O passing over the solid, the amt. of CO increases and that of CO₂ decreases. Up to the flash point the velocity of formation of CO is lower than that of CO₂, but the rates of change of that velocity with temp. are equal. At the flash point the velocity of CO formation rises extremely rapidly but that of CO₂ remains the same as before; this may be explained as follows: At this point the CO formation is detd. by the increase of the no. of peripheral C atoms as the result of the increase of velocity, concn. of O, and other reactions on the surface of the C. The actual combustion of C is possible only at high velocity of O passing over the solid which forms only one zone, namely that in which this O is used up, and is conditioned by the rapid removal of C(O) to prevent further oxidation. The formation of primary CO is greater and the probability of its oxidation is smaller in the evolution

of particles about 5 mm. and less in diam. Twelve references. II. Oxygen zone of gasification. *Ibid.* 1960. An approx. detn. of the O zone shows that with increase of the linear velocity (to a smaller degree) and of the percentage of O in the passing air (to a greater degree) the apparent zone of combustion decreases, although not linearly. The velocities of the reactions: C + CO₂ and C + H₂O are conditioned by the decompn. of a physico-chem. complex C₂O₂ which is formed as an intermediary product. The process of the decompn. of water vapor in the O zone is essentially different from the usual reaction: C + H₂O → CO + H₂. The admist. of an inert gas causes incomplete consumption of O and, therefore, the heat is insufficient to accomplish the high-velocity process.

A. A. Podgorny

ASD 314 METALLURGICAL LITERATURE CLASSIFICATION





PROCESSES AND PROPERTIES INDEX

21

CA

Production of tar-free power gas. M. K. Grodzovskii and D. M. Samolovich (G. M. Krzhizhanovsk Energy Inst., Acad. Sci. U.S.S.R.). *Bull. Acad. Sci. U.S.S.R., Classe sci. tech.* 1963, 57-60.—The course of the transformation of tars of solid fuels during gasification was studied, chiefly in the combustion zone, in which the tars are decompd. and oxidized. The activation energy required for detarring was 60-80% of that required for cracking hydrocarbons. The time of contact required is some hundredths of a sec. if high temps. are used: at 700° the content of tars remained unchanged; only above 1050° was it decreased to an acceptable minimum. The temp. of the combustion zone must be increased to 1200-80° if the initial content of tars is high. Five references.

W. R. Henn

ASD-36A METALLURGICAL LITERATURE CLASSIFICATION

Common Elements
Cover
Materials Index

GRODZOVSKIY, M. K.

Predvoditelev, A. S., Khitrin, L. N., Tsukhanova, O. A., Kolodtsev, Kh. I.,
and Grodzovskiy, M. K., "Combustion of Carbon. Experiments in Building Up the
Physicochemical Principles of the Process." Academy of Sciences USSR, 1949,
408 pp, 2,500 copies.

All-Union Sci. Res. Inst. Underground Gasification Coals

SOV/96-52-9-20/22

AUTHORS: Kisel'gof, M.L. (Candidate of Technical Sciences) and
Grodzovskiy, R.Ye. (Engineer)

TITLE: Dust Separators of the Taganrog Boiler Works - All-Union
Thermo-Technical Institute Type for High-output Mills

PERIODICAL: Toploenergetika, 1959, Nr 9, pp 92-94 (USSR)

ABSTRACT: This article is a brief catalogue-style description of dust separators designed by the Taganrog Boiler Works - All-Union Thermo-Technical Institute (TKZ-VTI) for use with ball mills of output ranging from 10 to 50 tons per hour of anthracite dust. In many respects the separator is an improvement on earlier designs. It is designed to deliver dust with 6 to 28% residue on a 90 mesh sieve, which is satisfactory when used in conjunction with ball mills operating on anthracite dust and hard coal. In particular cases they may also be used with brown coal. However, for prolonged coarse milling of brown coal, other types of separator are recommended. The separator is of all-welded construction and the main parts to be erected are briefly described. The main dimensions and weights of the separators are given in Table 1 and an outline drawing in Fig 1. To select the right size of

Card 1/2

SOV/96-59-9-20/22

Dust Separators of the Taganrog Boiler Works - All-Union Thermo-
Technical Institute Type for High-output Mills

separator for particular conditions, its volume is
determined by applying a formula in conjunction with
Table 3, and then Table 2 is used to select the correct
model of separator.

There are 2 figures, 3 tables and 2 Soviet references.

Card 2/2

ACC NR: AP7004578

SOURCE CODE: UR/0413/66/000/018/0110/0110

INVENTOR: Lukashin, Yu. P.; Grodzyanskaya, T. M.

ORG: none

TITLE: Method for correlation analysis of seismic records. Class 42, No. 186153

SOURCE: Izobretoniya, promyshlennyye obraztsy, tovarnyye znaki, no. 18, 1966, 110

TOPIC TAGS: seismograph, correlation statistics

ABSTRACT: Author's Certificate No. 186152, dated 23 December 1964, has been issued to Yu. P. Lukashin and T. M. Grodzyanskaya for a method described as follows: "A method for correlation analysis of seismic records of a continuously moving source of stationary mechanical oscillations. It differs in that for the purpose of speeding up the processing of magnetograms and accomplishing filtration of velocities by the use of frequency filters it is possible to determine the current reciprocal correlation functions of the records of the seismic detector and oscillator during the integration time, determined by the length of the useful wave, and the recorded values of the relative shift between the records to be correlated for each trace. [JPRS: 38,937]"

SUB CODE: 0812 / SUBM DATE: none

Card 1/1

UDC: 550.834.5:534.647

ACC NR: AP6035890

SOURCE CODE: UR/0413/66/000/020/0129/0129

INVENTOR: Lukashin, Yu. P.; Grodzyanskaya, T. M.; Pushkin, A. G.

ORG: None

TITLE: A method for seismic mapping of bedrock. Class 42, No. 187329 [announced by the All-Union Scientific Research Institute of Exploratory Geophysics (Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy geofiziki)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 129

TOPIC TAGS: seismologic instrument, mapping

ABSTRACT: This Author's Certificate introduces a method for seismic mapping of bedrock. The procedure is based on determining the mutual correlation function of seismic detector recordings using a continuously moving vibrator. The effectiveness of seismic prospecting is increased by determining the mutual correlation function of the seismic detector recordings at the ends of the base of observations while continuously moving the vibrator on the linear continuation of the base. The signals are integrated over a time interval corresponding to the motion of the vibrator within the limits of the adjacent base of observations.

SUB CODE: 08/ SUBM DATE: 02Aug65

Card 1/1

UDC: 550.634.3

GROMER, F.; KRUKOWSKA, H.; HALIKOWSKI, B.; PASZKOWSKA, A.; PIECZONKA, B.

Concept of bronchial scrofuloid; preliminary communication. *Gruslica*,
Warsz. 19 no.6:734-746 Nov-Dec 51. (CIML 21:5)

1. Of the Pediatric Department of the Institute of Tuberculosis located
in Sanatorium imienia Marchlewski of the National Complex of Tuberculosis Sanatoria in Otwock.

GROER, F;ERUKOWSKA, H;PIECZONKA, B.

Side effects of penicillin in pulmonary tuberculosis in children.
Gruzlica, Warsa. 20 no. 2:207-214 Mar-Apr 1952. (CLML 22:3)

1. Of the Pediatric Department at the Sanatorium imienia Marchlewski
in Otwock of the Institute of Tuberculosis (Director--Prof. J.
Misiowicz, M. D.).

GROER, F.

Control of tuberculosis in children in the Six Year Plan, Grusica
20:6 Suppl. 2:61-64 1952. (CML 24:2)

1. Warsaw.

GROER, F., Prof. Dr.

Planning of scientific work in medicine. Zdrowie pub., Warszawa
no.6:479-485 Nov-Dec 54.

(MEDICINE

scientific work, planning)

(RESEARCH

med. planning)

6-11
Excerpta Medica Sec 7 Vol 9/5 May 55 Pediatrics

1139. GROËR F. and HALIKOWSKI B. Inst. Matki i Dziecka i Gruźlicy, Warszawie.
Nowe ujęcie mechanizmu hamowania odczynowości przez niektóre zakażenia
wirusowe szczególnie odrę. New aspect on the mechanism of
restraining reactivity by some virus infections especial-
ly measles PEDIAT. POL. 1954, 29/1 (35-39)
Because of the allergy-inducing effect of measles on the infant organism, it is
thought that the virus of measles causes direct irritation of the adrenal cortex or
leads to an excessive production of ACTH. Investigations on these lines were made
at the Maternity Institute in Warsaw. Bogdanowicz-Warsaw (XX, 7)

GROMER, Franciszek

Pathogenesis of diphtheria. *Pediat. polska* 29 no.7 Suppl.:19-21
9 Sept. 54.
(DIPHTHERIA, etiology and pathogenesis,)

GROMER, F.

Zofia Golda, MD. *Pediat.polska* 34 no.11: 1493-1494 '59.
(OBITUARIES)

GROF, Frantisek, inz.

Generators and transformers. Elektrotechnik:Suppl.:Kurs
elektrotechnických schemat 18 no.7:97-120 J1 '63.

GROF, Frantisek, inz.

Generators and transformers. Elektrotechnik 18 no.8:
Supplement: Kurs elektrotechnickyoh schemat. 121-144, Ag '63.

GROER, F.

Prof. Franciszek Redlich, M.D. Pediat. Pol. 39 nr. 10:1109-1151
0 '64

CONSTANTINESCU, E., ing.; MILITARU, P., ing.; GROZA, L., ing.; GROF. F., ing.
(R.S. Cehoslovaca); NOVAK, I., ing. (R.S. Cehoslovaca)

Interconnection at 400 kv. between the electric power systems of
Rumania and Czechoslovakia. Energetica Rum 11 no.3:130-137 Mr '63.

GROF, I., professor (Budapesht).

Investigation of current conductivity of reinforced concrete rail-
road ties in the Hungarian People's Republic. Zhel.dor.transp.38
no.12:73-76 D '56. (MLRA 10:2)
(Hungary--Railroads--Ties, Concrete)

GROF, Imre, tanar (Budapest)

The German Democratic Republic. Term tud kozl 6 no.1:17-21 Ja '62.

(Germany, East--Industries)

VARGA, Gyorgy; TOROK, Istvan; ZABRACZKY, Geza; TRAUTMAN, Rezső; KOVACS, Istvan; BARADZIEJ, Laszlone; PALFALVI, Andras; GROF, Jozsef

The 1961 national economic plan and the tasks of trade unions; the 9th plenary session of the National Council of Trade unions. Munka 11 no.2:1-6 F '61.

1. Szakszervezetek Országos Tanácsa titkara, es Szerkeszto bizottsagi tag, "Munka". (for Varga) 2. Vasas Szakszervezet főtítkara (for Torok) 3. Tatabányai Trosztbizottsag titkara (for Zabraczky) 4. Epitesugyi miniszter, Budapest (for Trautman) 5. MEDOSZ főtítkara (for Kovacs) 6. Kistex szb titkara (for Baradziej) 7. Fejermegyei Szakszervezeti Megyei Tanacs vezető titkara (for Palfalvi) 8. Vasutas Szakszervezet titkara (for Grof).

(Hungary--Economic policy)

(Hungary--Trade unions)

GROF, Jozsef

Introduction of a new signaling system by the Organization
for the Cooperation of Railways (OSZHD). Vasut 12 no.6.14.15
30 Ja 1962.

GROF, Jozsef

Correct interpretation and significance of the innovation movement. Magyar vasut 7 no.13:2 2 J1 '63.

1. Uzemszervezesi es muszakfejlesztési bizottsag vezetője.

GROF, Jozsef

Up-to-date material handling for railroad vehicle repair
shops! Vasut 13 no.11:30-31 N'63

1. Muszaki Fejlesztési es Uzemszervezési Bizottság vezetője.

GROF, Jozsef

The Union of Railway Men for the technical progress of
railways. Munka 13 no.12:4-5 D'63.

1. Vasutasok Szakszervezete.

GROF, Jozsef

Role of the Trade Union of Railroad Employees in the technical progress of railroads. Kozl tud sz 14 no.1:36-38 Ja'64.

1. Vasutas Szakszervezet Műszaki Fejlesztési és Üzemszervezési Bizottsága vezetője.

GROF, Karel, MUDr.

Cooperation of regional hygienists with district physicians.
Prakt. lek., Praha 35 no.14:332 20 July 55.

1. Okresni hygienik, Bruntal.

(PUBLIC HEALTH,

in Czech., cooperation of regional hygienists with
district physicians)

(PHYSICIANS

district, cooperation with regional hygienists in
Czech.)

(HYGIENE

in Czech., regional hygienists cooperation with
district physicians)

BLAZEK, V., inz.; KOZAR, K., inz.; GROF, M., inz.

Control of hydroelectric power plant cascades. Vojni hosp 14
no.9:349-354 '64.

1. Hydroprojekt, Prague (for Blazek and Kozar). 2. Research
Calculation Center, Prague (for Grof).

L 21359-66 EWP(t) JD
ACC NR: AP6010887

SOURCE CODE: CZ/0034/65/000/008/0545/0552

AUTHOR: Grof, Otto (Engineer)

ORG: Research Institute for Iron Metallurgy, Ostrava (Vyzkumny ustav hutnictvi zeleza)

27
B

TITLE: Behavior of sulfur in the blast furnace process

SOURCE: Hutnicke listy, no. 8, 1965, 545-552 4

TOPIC TAGS: sulfur, blast furnace, oxidation, slag, iron, metal extraction, chemical reduction, carbon

ABSTRACT: Changes in the physical and chemical state of sulfur entering the blast furnace with the burden and with the fuel are discussed. Oxidation of sulfur to dioxide, and the reduction of the dioxide by carbon, carbon monoxide, and hydrogen are discussed. Carbon disulfide, carbon monosulfide, carbonyl sulfide and hydrogen sulfide are formed; changes in their concentration according to the reaction temperatures are described. Most of the sulfur and its compounds are retained by the burden, the slag, and the iron; only a small part is discharged from the furnace with the gases. The content of sulfur in the waste gas depends on the smelting process used, on the solids in the charge and their ability to hold sulfur, and on the temperature profile of the furnace.

Orig. art. has: 4 figures, 50 formulas, and 4 tables. [JPRS]

SUB CODE: 07, 11, 13 / SUBM DATE: none / OTH REF: 002. / SOV REF: 005
Card 1/1 UDC: 669.162.267.6

GROF, P.

Intensive designs in psychopharmacological studies. *Activ. nerv. sup.* 6 no.1:73 '64

*

GROF, P.

Data on effects of nonspecific therapy. I. Blood histamine level changes in autohemotherapy. *Borogyog vener. szemle* 5 no.6:174-176 Dec 51. (CIML 21:4)

1. Doctor. 2. Dermatological Clinic (Director--Prof. Dr. Miklos Malczar), Pecs Medical University.

GROF, P.

Data on the effects of nonspecific therapy. II. Blood histamine level changes in autohemotherapy. *Borgyogy vener. szemle* 5 no.6:183-186 Dec 51. (CIML 21:4)

1. Doctor. 2. Dermatological Clinic (Director--Prof. Dr. Miklos Melczer), Pecs Medical University.

GROF, Pal, dr.

Effect of chemical and thermal stimuli on the total histamine content
in the rabbit skin. *Borgyogy. vener. szemle* 37:63-71 '61.

1. A Pécsi Orvostudományi Egyetem Borgyógyászati Klinikájának (Igazgató:
Melczer Miklós dr.) közleménye.

(HISTAMINE metab) (SKIN metab)

GROF, P.; SVITAVSKA, E.; VOJTECHOVSKY, M.

Pharmacological influence on experimental emotional disorders caused
by large doses of Dexphenmetrazine. *Activ. nerv. sup.* 4 no.2:213 '62.

1. Psychiatricka lecebna Horni Berkovice, Ustav pro vyzkum vyzivy
lidu, Praha.

(PHENMETRAZINE toxicol) (EMOTIONS)
(PSYCHOPHARMACOLOGY)

GROF, Pal, dr.

Determination of the histamine level in the skin. I. A method.
Borgyogy. vener. szemle 38 no.3:97-102 J1 '62.

1. A Pecséi Orvostudományi Egyetem Borgyógyászati Klinikájának (Igazgató:
Malczér Miklós dr.) közleménye.
(HISTAMINE chem) (SKIN chem)

GROF, Pal, dr.; BODZAY, Janos

Determination of the histamine level in the skin. II. Identification of the effective substance. *Borgyogy. voneer. szemle* 38 no.3:102-107 J1 '62.

1. A Pecsí Orvostudományi Egyetem Borgyogyászati Klinikájának (Igazgató: Melczer Miklos dr.) közleménye.
(SKIN chem) (HISTAMINE chem)

GROF, Pal, dr.

Determination of the histamine level in the skin. III. The level of free histamine in the skin in normal rats and rabbits and its relation to the total histamine level. Borgyogy. vener. szemle 38 no.3:108-112 1967.

1. A. Pécsi Orvostudományi Egyetem Borgyógyászati Klinikájának
(Igazgató: Melczer Miklós dr.) közleménye.
(HISTAMINE chem) (SKIN chem)

PLZAK, M.; LEDEREROVA, E.; SOUCEK, K.; GROF, P.; VOLAVKA, V.; POKORNY, R.;
NEUMANN, J.; BREZINOVA, V.

Combined Tofranil-Pyrifer therapy of endogenous depression. *Activ. nerv. sup.* 4 no.2:226 '62.

1. Psychiatricka klinika fakulty vseobecneho lekarstvi Karlovy uni-
versity v Praze, Psychiatricka lecebna v Hornich Berkovicich.

(IMIPRAMINE ther) (PYROGENS ther)
(DEPRESSION ther)

HUNGARY

GROF, Pal, Candidate of Medical Sciences; FORCS, Bela, Candidate of Medical Sciences, and AGOSTON, Iren, of the Dermatological and Ophthalmological Clinics (Borgyogaszati es Szemeszeti Klinika) of the Fecs College of Medicine.

"Investigation of the Histamine Content of the Eye"

Budapest, A MPA Biologiai es Orvosi Tudomanyok Osztalyanak Kozlomenyei, Vol 13, No 4, 1962; pp 311-320.

Abstract: [Authors' Hungarian summary] Authors determined the total histamine content of the tissues of bovine eye on surviving guinea-pig intestine, using the Barsoun-Gaddum-Code method. On the basis of the obtained results the tissues of the eye may be classified, according to the amount of histamine present, into the following four groups: (1) Significant amounts of H (histamine) contained in the optic nerve (5.27 ± 0.94 gamma/g), the conjunctiva (4.14 ± 0.15) and the eye muscle (1.79 ± 0.22). (2) Moderate amounts of H in the sclera (0.65 ± 0.09) and the iris (0.60 ± 0.15). (3) Small amounts of H in the c.cillare (0.39 ± 0.08), the chorioidea (0.33 ± 0.07) and the cornea (0.17 ± 0.03). (4) Barely detectable amounts of H in the retina and lens. [82 references, mostly Western].

GROF, P.; KELENYI, G.

Histamine content of transplantable mastocytoma. Acta med.
acad. sci. Hung. 14 no.4:331-343 '63.

1. Department of Dermatology and Pathology, University
Medical School.

*

GROF, Pal; BOROS, Bela; AGOSTON, Iren

Relation of mast cells and the histamine content in the eye.
Szemeszet 100 no.4:197-200 D '63.

1. Pecsí Orvostudományi Egyetem Borgyógyászati és Szemeszeti Kli-
nikája (Igazgató: Boros Bela az orvostudományok kandidátusa) közle-
ménye.

*

GROF, Pal; BOROS, Bela; AGOSTON, Iren.

Free histamine content of the bovine eye. Kiserl. orvostud.
16 no.2:113-118 Ap'64

1. Peci Orvostudományi Egyetem Borgyógyászati és Szemeszeti
klinikája.

*

GROF, Pal, dr.; ALLER, Maria, dr.; AGOSTON, Iren, dr.; CSERH, Anna, dr.

Effect of ultraviolet rays on mast cells in vitro. Borgyogy.
vener. szemle 40 no.1:3-11 F '64.

*

L 29510-66

ACC NR: AP6020002

SOURCE CODE: CZ/0079/65/007/003/0228/0239

AUTHOR: Grof, P. (Prague); Vinar, O.

20
B

ORG: Psychiatric Research Institute, Prague

TITLE: Preliminary comparative trial of proheptatriene and imipramine in the treatment of depressions (an intensive and controlled study) ²² [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jeseň, 20-23, January 1965.] ²²

SOURCE: *Activitas nervosa superior*, v. 7, no. 3, 1965, 288-289

TOPIC TAGS: drug treatment, pharmacology, nervous system drug

ABSTRACT: The drug was tested on 35 women suffering from primary endogenous depressions. After 3 weeks' treatment proheptatriene was found to be 20% better than imipramine to which it was compared. After 4 weeks the difference between the 2 drugs increased. Proheptatriene had unpleasant side effects in many patients. Orig. art. has: 1 figure. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 003

Card 1/1 JS

1. 29511-66

ACC NR: AP6020003

SOURCE CODE: CZ/0079/65/007/003/0290/0290

AUTHOR: Vinar, O. (Prague); Grof, P.

11
E

ORG: Psychiatric Research Institute, Prague-Bohnice

TITLE: Proheptatrieno²² in depression (extensive study) [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesonik, 20-23 January 1965.]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 290

TOPIC TAGS: drug treatment, pharmacology

ABSTRACT: 35 patients suffering from depression (32 had had previous attacks) were treated with proheptatrieno. The therapeutic effect was rapid, but lasting results were obtained only in the 3rd week of treatment. Side effects were frequent. Proheptatrieno gave as good results as imipramino, and better than propazopine and prothiadono. Orig. art. has: 1 figure. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001

Card 1/1 JS

CZECHOSLOVAKIA

POLAK, O.; GROF, P.; Psychiatric Research Institute, Prague-Bohnice.
[Orig. version not given].

"The Relationship Between Preference of the Upper Extremity and the Conduction Velocity of Motor Fibers in N. Ulnaris."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 207-208

Abstract: Maximal and terminal velocities and terminal and residual latency were determined in 30 healthy subjects aged 20 - 40 years. The n. ulnaris of the preferred extremity showed no higher values than the other n. ulnaris. Sex, age and axillary temperature had no effect on the results. 1 Figure, no references. Submitted at the 4th Conf. of Exper. and Clin. Study of Higher Nerv. Functions at Mar. Lazne, 12-15 Oct 65. Article is in English.

1/1

CZECHOSLOVAKIA

LEDEREROVA, E.; TOMAN, M.; GROF, P.; Psychiatric Hospital (Psychiatricka Lecobna), Horni Berkovice; Psychiatric Research Institute (Vyzkumny Ustav Psychiatricky), Prague.

"Experience with Fluphenazine in the Treatment of Anxiety in Endogenous Depressions (Orientative Comparison with Chlorpromazine by Means of an Intensive Double-Blind Project)."

Prague, Ceskoslovenska Psychiatrie, Vol 62, No 4, Aug 66, pp 254 - 257

Abstract [Authors' English summary modified]: 8 women were treated for endogenous type depressions by standard doses of imipramine, and the therapeutic effect of fluphenazine and chlorpromazine on the anxiety aspect and on the overall clinical condition of the patients was studied. Comparison of the two drugs was made on the basis of the Chassan double-blind test. No significant differences between the effect of the two drugs were found. Economical advantages of the method are discussed. 1 Table, 14 Western, 1 Czech reference. (Manuscript received 24 Apr 65).

1/1

CZECHOSLOVAKIA

VINAR, O.; GROF, P.; Psychiatric Research Institute (Vyzkumny Ustav Psychiatricky), Prague - Bohnice.

"Treatment of Depression by a Combination of Nortriptyline and Amitriptyline. (Extensive Comparison with Imipramin)."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp 381 - 383

Abstract: Treatment of 27 patients suffering from endogenous depression is described. The effect of nortriptyline appears within 2-3 days, but disappears eventually; amitriptyline starts to be effective only in the 2nd or 3rd week of treatment, but has a longer lasting effect. The combination of the 2 drugs gave better results than imipramine as far as the tendency to suicide, selfincrimination, and despair are concerned. Imipramine was better because it did not reduce the appetite, or cause a loss of weight. 2 figures, no references. Submitted at the 8th Annual Psychopharmacological Meeting at Jesenik, 18 - 22 Jan 66.

1/1

CZECHOSLOVAKIA

PROF. P.; VIMAR, O.; Psychiatric Research Institute (Vrzk. Ustav
Psychiatricky), Prague - Bohusice.

"Maintenance and Prophylactic Doses of Imipramine in Recurrent
Depressions."

Prague, Activitas Nervosa Superior, Vol 6, No 4, Nov 66, pp
383 - 385

Abstract: A study of 31 female patients suffering from depression
is described. In each patient the length of 3 remissions following
3 successive depressive phases was investigated. After the termin-
ation of a phase the patient was kept for 6 weeks on
maintenance doses of the drug which helped in the recovery. It
seemed that in some patients the maintenance dose increased the
length of the remission periods, while in others it shortened them.
No definite conclusion could be drawn from the results of the ex-
periment. 1 figure, 4 Western, 3 Czech, 1 Russian reference. Sub-
mitted at the 8th Annual Psychopharmacological Meeting at Jesenik,
18 - 22 Jan 66. Article is in English.

1/1

GROF, S.

Apropos of optic disorders in autoexperiments with hallucinogens.
Cesk. psychiat. 60 no.3:173-182 Je'64

1. Vyzkumny ustav psychiatricky, Praha.

GROF, Stanislav; VOJTECHOVSKY, Milos

Experimental psychosis following a dose of 200 mg. of benactyzine.
Cesk. psychiat 54 no.6:369-376 Dec 58.

1. Psychiatricka lecebna Kosmonosy a Ustav pro vyzivu lidu, Praha
S. G. Praha XVI. Zubateho l.

(TRANQUILIZING AGENTS, inj. eff.
benactyzine-induced psychosis in man (Cz))

(PARASYMPATHOLYTICS, inj. eff.
same)

(PSYCHOSES, TOXIC, etiol. & pathogen.
same)

GROF, Stanislov

Serotonin and its significance in psychiatry. Cenk. psychiat. 55 no.2:
120-127 Apr 59.

1. Psychiatricka lecebna Kosmonesy.
(SEROTONIN, ther. use,
ment. disord., review (Cz))
(MENTAL DISORDERS, ther.
serotonin, review (Cz))

GROF, Stanislav

An unusual case of religious paranoid psychosis. *Cesk. psychiat.* 55
no.4:270-276 June 59.

1. *Psychiatricka lecebna, Kosmonosy.*
(PARANOSIS, case reports)

BULTASOVA, H.; GROF, St.; HORACKOVA, E.; KUHN, E.; RYSINEK, K.; VITEK, V.
VOJTECHOVSKY, M.

Psychopathology and biochemistry of experimental psychoses produced
by anticholinergic hallucinogens. Cesk.psychiat. 56 no.1:14-23 P '60.
(HALLUCINOGENS toxicol.)
(PSYCHOSES TOXIC exper.)

VOJTECHOVSKY, M.; HORACKOVA, E.; GROF, S.

Experience with blocking experimental LSD-25 psychoses with theadryl. Cesk.psychiat. 56 no.1:34-43 P '60.

1. Ustav pro vyzkum vyzivy lidu v Praze-Krci -- Psychiatricka lecebna v Kosmonosich.

(PSYCHOSES exper.)
(LYSERGIC ACID DIETHYLAMIDE)
(THEOPHILLINE rel.cpdg.)
(ANTIHISTAMINICS pharmacol.)

VOJTECHOVSKY, Milos; GROF, Stanislav

Similarities and dissimilarities of experimental psychoses caused
by LSD-25 and mescaline. Cesk.psychiat.56 no.4:221-233 Ag'60.

1. Ustav pro vyzkum vyzivy lidu, Praha-Krc -- Psychiatricka lecebna,
Kosmonosy.

(LYSERGIC ACID DIETHYLAMIDE pharmacol)

(MESCALINE pharmacol)

(PSYCHOSES exper)

GROF, Stanislav; VOJTECHOVSKY, Milos; VOTAVA, Zdenek

D-lysergic acid diethylamide (LSD) (History, chemistry and pharmacological properties). Cas.lek.cesk. 99 no.29:180-187 19 Ag'60.

1. Psychiatrické oddelení KUNZ - Praha 3, Klimentka 11, přednosta MUDr. O.Kučera. Ústav pro výzkum vlivu lindu, Praha 14, Budejovická 800, přednosta doc.MUDr. J.Masek. Výzkumný ústav pro farmaci a biochemii, ředitel dr.ins. O.Nemecek.

(LYSERGIC ACID DIETHYLAMIDE)

GROF. Stanislav; VOJTECHOVSKY, Milos; VOTAVA, Zdenek

D-Lysergic acid diethylamide (LSD). 2. Clinical aspects. Cas.lek.
cesk. 99 no.46:Lek Veda Zahr 245.251; contd. 11 N '60.

1. Psychiatricke oddeleni KUNZ - Praha 3, Ustav pro vyzkum vyzivy
lidu v Praze, Vyzkumny ustav pro farmacii a biochemii v Praze.
(LYSERGIC ACID DIETHYLAMIDE pharmacol)

GROF, Stanislav; VOJTECHOVSKY, Milos; ~~VO~~TAVA, Zdenek

Lysergic acid diethylamide. 3. Practical and theoretical problems in administration of LSD to human subjects. Cas.lek.cesk 99 no.50 Lek ved zahr 276-284 9^D '60.

1. Psychiatricke oddeleni KUNZ Praha 3, Ustav pro vyzkum vyzivy lidu v Praze, Vyzkumny ustav pro farmacii a biochemii v Praze.

(LYSERGIC ACID DIETHYLAMIDE ther)

VITEK, V.; VOJTECHOVSKY, M.; GROF, S.

Serotonin metabolism in experimental psilocybin psychosis. *Activ. nerv. sup.* 3 no.2:213-215 '61.

1. Vyskumny ustav experimentalni terapie, Ustav pro vyskum vyzivy lidu Praha-Krc a Psychiatricka katedra UDL Praha Bohnice.

(SEROTONIN metab) (INDOLES pharmacol)
(HALLUCINOGENS pharmacol) (PSYCHOSES exper)

GROF, S.; VOJTECHOVSKY, M.; VITEK, V.

Comparative effects of domestic and foreign adrenochrome. *Activ. nerv. sup.* 3 no.2:209-210 '61.

1. Ustav pro doskolovani lekaru, Psychiatricka katedra Praha, Ustav pro vyzkum vyzivy lidu, Praha 4, Vyzkumny ustav experimentalni terapie, Praha 4.

(ADRENOCROME pharmacol)

GROF, S.; VOJTECHOVSKY, M.; HORACKOVA, E.

Disorders of associative thinking in various experimental psychoses.
Activ. nerv. sup. 3 no.2:216-217 '61.

Ustav pro ~~doskolovani~~ lekaru, Psychiatricka katedra, Praha 8,
Ustav pro vyzkum vyzivy lidu, Praha 4.

(PSYCHOSES exper) (THINKING)

VOJTECHOVSKY, M.; GROF, S.; VITEK, V.

Clinical picture and experimental study of central effects of
adrenochrome. Cesk. psychiat. 58 no.6:383-393 D '62.

1. Ustav pro vyzkum vyziivy v Praze 4. Psychiatricke oddeleni KUNZ v
Praze. Ustav experimentalni terapie v Praze.
(ADRENOCHROME) (CENTRAL NERVOUS SYSTEM)

VOJTECHOVSKY, M.; GROF, S.

Anticholinergic hallucinogens in a model of delirium tremens. *Activ. nerv. sup.* 3 no.2:219-220 '61.

1. Ustav pro vyzkum vyziwy lidu, Praha a Ustav pro doskolovani lekaru, Psychiatricka katedra, Praha.

(HALLUCINOGENS pharmacol)
(PSYCHOSES ALCOHOLIC exper)

BULTASOVA, H.; GROF, S.; HORACKOVA, E.; KUHN, E.; RYSANEK, K.; VITK, V.;
VOJTECHOVSKY, M.

Psychopathology and biochemistry of experimental psychoses
induced by anticholinergic hallucinogens. Ideg.azenele 13 no.8:
225-234 Ag '60.

1. Institut fur experimentelle Therapie in Prag 14. (Vorstand
Doz. MUDr. O.Smahel) Institut fur Ernahrungsforschung in Prag 14
(Vorstand Doz. MUDr. J.Masek) Psychiatrische Heilanstalt in
Kocmonosy (Direktor MUDr. V.Danov)
(HALLUCINOGENS pharmacol)
(PSYCHOSES exper)

CZECHOSLOVAKIA

O. VITAS, S. GRCE, J. VANA and M. MATOUSIK, Psychiatric Research Institute (Vyzkumny ustav Psychiatricky,) Prague.

"Relation Between Therapeutic Effect and Extrapyramidal Signs Due To Thioproperazine."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 69; pp 261-263.

Abstract: Data on thioproperazine treatment of 12 men and 41 women. No data about dosage and duration, but results are tabulated and correlated with diagnoses. Of 31 who could be released, 9 were quite employable, i.e. essentially cured; 3 marginal - needed heavy home care and supervision; 9 others improved in hospital; 8 same as before Rx, 4 worse. Graph, table; 8 Western and 2 Czech references.

1/1

GENERAL WIKIA

GRON, B.; DIANYCH, Z.; Research Institute for Psychiatry / Vyz-
kumny Ustav Psychiatricky /, Prague.

"Influence of the Family Environment on the Origin and Develop-
ment of Schizophrenia."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 5, 1963, pp 340-
354

Abstract:The information obtained by the study of the family en-
vironment of schizophreniacs, and the results of investigation
of the genetics are the most constant sources of information
relative to the origins of the disease. Some authors believe,
that the results of the investigation of genetics may be inter-
preted in the light of non-hereditary transmission. Mental dis-
orders are not caused by simple genetical transmission, but are
caused by upbringing in the family and mental interaction with
mentally ill relatives. It seems that this approach needs more
thorough investigation before final judgment of this question
could be made.

79 Western references.

1/1

WOLF, E.; DYTRYCH, Z.; GROF, S.; KUBICKA, L.; SRNEC, J.

On the method of evaluating social maladaptation. Mutual
social perception inventory. Cesk. psychiat. 60 no.1:
34-36 F'64.

*

KUBICKA, I.; DYTRYCH, Z.; GROF, S.; SRNEC, J.

Studies of interpersonal relations in a group of hospitalized
neurotic patients. Pt.1. Cesk. psychiat. 61 no.5:303-313
0 '65.

1. Vyzkumny ustav psychiatricky v Praze.

L 29522-66 RO

ACC NR: AP6020021

SOURCE CODE: CZ/0079/65/007/003/0306/0306

AUTHOR: Grof, S. (Prague); Dytrych, Z.

20
B

ORG: Psychiatric Research Institute, Prague

TITLE: Blocking of ⁶LSD reaction by premedication with niamid [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965.]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 306

TOPIC TAGS: drug treatment, nervous system drug

ABSTRACT: Long-term premedication with Niamid induces resistance to LSD influence, even in doses of 400 micrograms. This resistance lasts at least 14 days. Experiments with 14 patients are described. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 LS

ACC NR: AP6031815 SOURCE CODE: CZ/0083/65/000/005/0303/0313

AUTHOR: Kubicka, L.--Kubichka, L.; Dytrych, Z.--Dytrykh, Z.; Grof, S.; Srnec, J.--
Srnets, I. 20

ORG: Psychiatric Research Institute, Prague (Vyzkumny ustav psychiatricky) R

TITLE: Development of interpersonal relations in a group of hospitalized neurotics.
Part I. Relationship between neurotic symptoms and interpersonal situation 22

SOURCE: Ceskoslovenska psychiatrie, no. 5, 1965, 303-313

TOPIC TAGS: psychoneurotic disorder, psychology, psychotherapy, psychiatry

ABSTRACT: Study of 9 women and 9 men, all severe neurotics admitted for 5 weeks hospitalization, with very strict and detailed observation and questionnaire analysis. Initial severity of the neurotic symptoms had no apparent bearing on the attitudes of other patients toward the newcomer, but this attitude did have a very strong effect on the evolution of the neurosis; friendly or submissive attitude of the environment decreased symptoms markedly, whereas hostility of the other patients made the symptoms more severe. The authors thank Doctor of medicine F. Hajek for his cooperation in this work. Orig. art. has: 5 tables. [JPRS: 33,500]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 002

Card 1/1 MLP

0919 0563

CZECHOSLOVAKIA

VIMAR, O.; VANA, J.; GROF, S.; Psychiatric Research Institute,
Prague - Bohnice. [Original version not given].

"Rating Scale FKP. (Quantification of Psychiatric Symptomatology
for the Evaluation of Pharmacotherapy Psychoses)."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp
405 - 408

Abstract: Evaluation of factors used in the rating scale is dis-
cussed. In the symptomatology quantifiable bipolarly the following
aspects are used as components: sleep, food, mood, self-evaluation,
affective reactions, motor activity, speech rate and changes of
the subjects of speech, uncooperativeness, sociability, and appear-
ance. In the symptomatology not classifiable bipolarly the fac-
tors used are: disorientation, anxiety and fear, aggressiveness, hal-
lucinations, delusions, thinking, dissimulation, and insight.
No references. Submitted at the 8th Annual Psychopharmacological
Meeting at Jesenik, 18 - 22 Jan 66. Article is in English.

1/1

GROFCSIK, ELEMER

HUNGARY / Chemical Technology. Chemical Products and
Their Application. Ceramics. Glass. Binding
Materials. Concretes. H

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 65109

Author : Grofcsik Elemer

Inst : -

Title : Electroceramic Materials with a Corrierite Base.

Orig Pub: Epitoanyag, 1957, 9, No 6, 287-292

Abstract: Described are a few physical-chemical properties
of the system $MgO-Al_2O_3-SiO_2$. The results of ex-
periments on the extraction of substances based on
cordierite are presented in detail. Twelve sub-
stances were investigated to some of which chamot
was added.

Card 1/1

GROFCSIK, Elemer

New possibilities for the development of the technology of
manufacturing ceramic wall plates. Epitoanyag 15 no.1:19-24 Ja
'63.

PROCESSES AND PROPERTIES INDEX

19

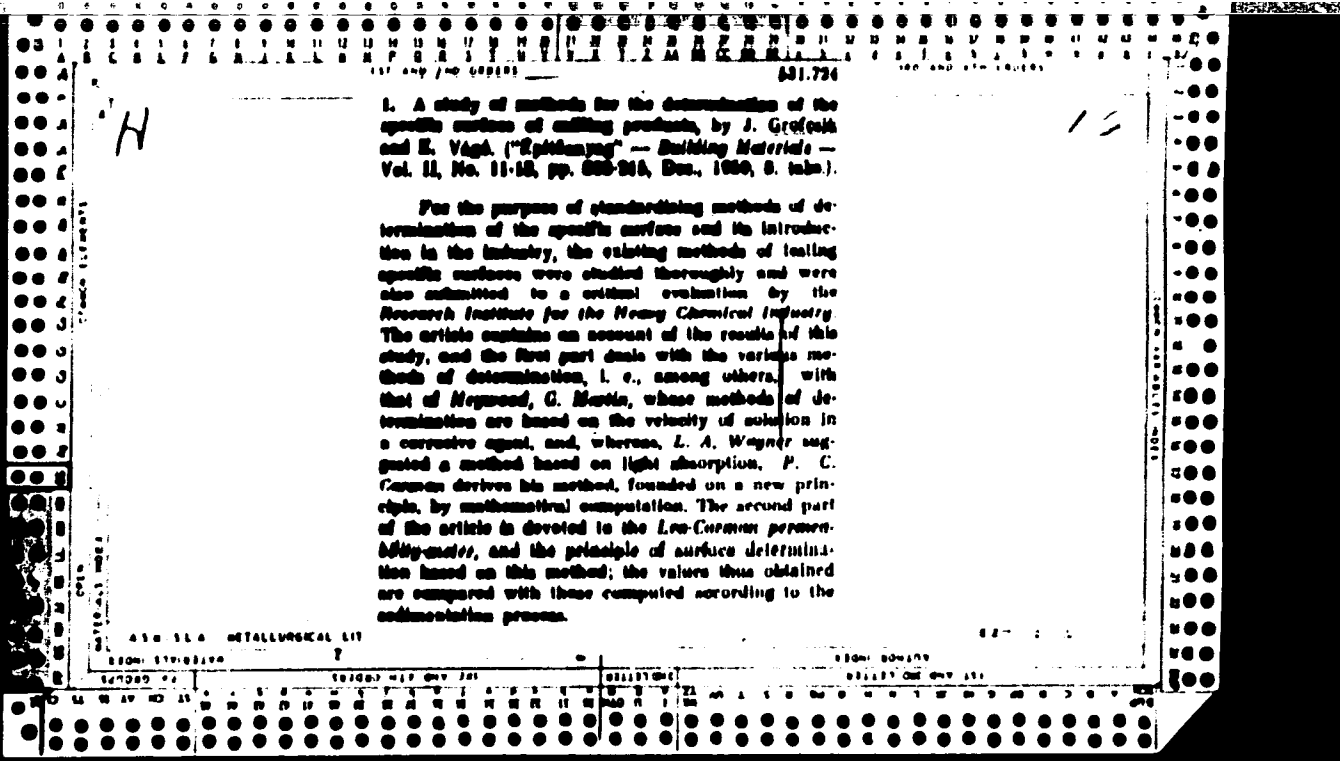
CA

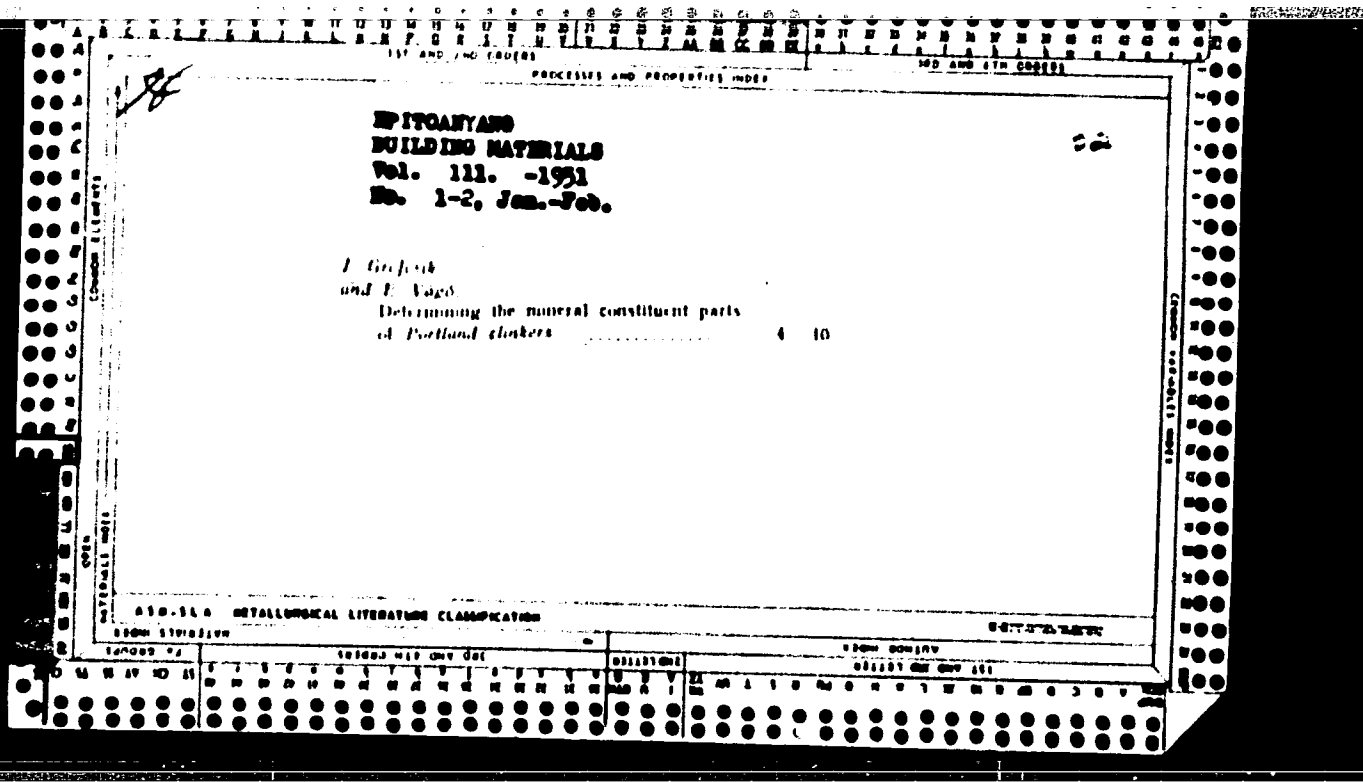
Ceramic materials in the chemical industries. János
 Grófcsik. *Magyar Kém. Lapja* 3, 1-6(1948).—General
 summary with the compn.-temp. curves of the system
 $Al_2O_3-SiO_2$. István Fenyő

METALLURGICAL LITERATURE CLASSIFICATION

ISSUE NUMBER

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Hungarian Technical Abst.
Vol. 5 No. 4 1953

45. The determination of the quantity of mullite in baked ceramic products - *Mullit mennyiségének meghatározása égetett kerámiák termékeiben* - J. Grofcsik and E. Vágó. (Building Materials - *Építészanyag* - Vol. 4, 1952, No. 11-12, pp. 211-215, 5 figs., 6 tabs.)

Finding the optimal conditions for the formation of mullite, such as baking time, composition of the raw material, catalysts, etc., is very important in the manufacture of both refractories and ceramics. A rapid and accurate method for determining the mullite content of the finished products is therefore necessary. If the material to be examined is finely pulverized with 15% ammonium chloride it can be moulded with Canada Baham into 0.4-0.5 mm dia sticks for Debye-Scherrer X-ray tests. X-ray photos are subsequently made of the mixture with $\text{CuK}\alpha$ rays, No filter, 42 kv and 15 ma, after which the intensity of the 1.50 Å and 0.95 Å lines can be determined photometrically. The intensity of the lines is proportional to the quantity of mullite present. This method yields very accurate results which are not influenced by the possible presence of alluminate, β -crystallite or corundum. D. Veres

HUNGARY/Physical Chemistry. Crystals.

B

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73044.

Author : J. Grofcsik, E. Vago.

Inst : Academy of Sciences of Hungary.

Title : Study of Polymorphous Conversions of Quartz
Taking Tridymite Formation Into Consideration.
(Preliminary Report.)

Orig Pub: Acta chim. Acad. sci. hung., 1957, 11, No 3-4,
357-358.

Abstract: It is shown that the addition of various metal
oxides to quartz, when it is calcined, results in
the formation of various modifications of quartz
of various specific gravity (2.65 g per cub. cm
in the case of low-temperature quartz and 2.3 g
per cub.cm in the case of high-temperature modi-

Card : 1/2

HUNGARY/Physical Chemistry. Crystals.

B

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73044.

fications). Besides the specific gravity determination, the process of polymorphous conversions of quartz was studied also roentgenographically, the pictures indicating the presence of cristobalite and unaltered quartz but not tridymite, although the specific gravity of the obtained calcined quartz glass was about 2.3 g per cub.cm. The x-ray data refute the generally accepted opinion that tridymite is the most important component of Dinas and prove that the methods recommended for the determination of the mineralogical composition of refractory Dinas are not applicable.

Card : 2/2

REF ID: A66541 / Chemical Technology. Chemical Products and H-13
Their Application--Ceramics. Glass. Binding
Materials. Concrete

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 2981

Author : Grofesik, J.

Inst : Not given

Title : Use of Sandstone for Brick Production

Orig Pub: Mehezvegyipari kutato int. kozl., 1958, 1,
No 1-2, 21-25

Abstract: The possibility is established of obtaining bricks
of ≤ 2.30 grams per cubic meter specific gravity
from sandstone with an admixture of dolomite as
a mineralizer. To cement the sandstone, granules
of CuCl are used. --Author's abstract

Card 1/1

HUNGARY/Chemical Technology. Chemical Products H-13
and Their Applications. Ceramics. Glass.
Binding Materials. Concrete.

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24118

Author : Grofcsik, J., Tanas, F.
Inst : -
Title : Determination of the Mineralogical Content
of Porcelain by Means of Phase Balance.

Orig Pub : Epitoanyag, 1958, 10, No 7, 233-238

Abstract : The described method permits determina-
tion of the mineralogical content of the
calcined objects and of chemical composi-
tion of the formed molten glass in the
ceramics (of porcelain, for instance) cal-
cined at any temperature. The described

Card : 1/2

H-50

Journal of Chemical Technology. Chemical Products
and Their Applications. Ceramics. Glass.
Binding Materials. Concrete.

H-13

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24118

method, that pertains to the $K_2O - Al_2O_3 - SiO_2$ system, may be also utilized for the materials of other systems containing 2 and 3 components.

Card : 2/2

GROFCSIK, Janos, dr.; TAMAS, Ferenc, dr.

Newer data on the behavior of kaolinite during heating. Epitoanyag 13
no.11:401-404 N '61.

GROFCSIK, Janos, dr.

~~Lajos Petrik~~
Lajos Petrik, 1852-1932. Epitoanyag 15 no.2/3:76-78 F-Mr '63.

1. "Epitoanyag" szerkeszto bizottsagi tagja.

GROFCSIK, János, dr.

Effect of the mineral composition of porcelain on mechanical strength and resistance to heat variations. Epitoanyag 15 no.8:291-300 Ag '63.

1. "Epitoanyag" szerkeszto bizottsagi tagja.

GROFOVA, I.; MARSALA, J.

Form and structure of the red nucleus in man. Cs morfologie 8 no.3:
215-237 '60. (EEAI 9:10)

1. Anatomicky ustav lekarske fakulty Karlovy university v Praze,
prednosta prof. MUDr et RNDr L.Borovansky.
(BRAIN)
(CELLS)

GROFOVA, I.; MARSALA, J.

Nucleus ruber of the cat. Cs morfologie 9 no.3:209-220 '61.

1. Anatomicky ustav lekarske fakulty Karlovy university v Praze,
prednosta prof. MUDr. et RNDr. L. Borovansky.

(CATS)

GROFOVA, I.

Frontorubral connections in the cat. Cesk. morf. 11 no.3:
278-285 '63.

1. Anatomicky ustav lekarske fakulty KU v Praze prednosta
prof. MUDr. et RNDr. L. Borovansky, ScDr.
(RED NUCLEUS) (FRONTAL LOBE)
(CEREBRAL CORTEX)

GROFOVA, I.; PETROVICKY, P.

Cytoarchitectonic structure of the reticular formation of the mesencephalon in dogs. Cesk. morf. 11 no.4:349-357 '63.

1. Anatomicky ustav lek. fakulty KU, prednosta prof.

L. Borovansky.

(RETICULAR FORMATION) (MESENCEPHALON)
(CYTOLOGY)

GROFOVA, I.

Frontal cortical projections to the midbrain tegmentum in the
cat. *Cesk. morf.* 13 no.3:305-315 '65.

1. Institute of Anatomy, Medical Faculty, Charles' University,
Prague.

CZECHOSLOVAKIA

ŠERLICH, V.; GROFOVA, I.; Department of Anatomy, Charles University, Medical Faculty, Prague. [Orig. version not given].

"Relationship Between Autonomic Functions and Spontaneous Potentials from Parietal and Occipital Cortex and from Hippocampus in Non-anesthetized Dogs at Rest."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 185-187

Abstract: Correlation of the spontaneous potentials with the pulse and respiratory rate is discussed. Experiments with two dogs weighing 15 kg are described. In one dog a significant correlation of the pulse rate and parietal cortex voltage was found. In both dogs a correlation of respiratory rate and hippocampus voltage was found. No correlation of pulse rate and the hippocampus or occipital cortex voltage was found. The integrated voltage registered by a normal EEG apparatus is topically specific for a given brain structure. A functional correlation of pulse and respiratory rate to spontaneous potentials in certain brain structures can be found by voltage integration. 2 Figures, 1 Table, 6 Western, 1 Czech references. Submitted at the 4th Interdisc. Conf. of Exp. and Clin. Study of 1/1 Higher Nerv. Func. at Mar. Lago, 13-15 Oct. 65. English art.

POLUKHIN, P.I.; NIKOLAYEV, V.A.; POLEKHIN, V.P.; GRACHYAN, L.G.

Determining the flattened arc of bite in sheet rolling. Izv.
vys. ucheb. zav.; Chern. met. 7 no.7:125-131 '64. (MIRA 17:8)

1. Moskovskiy institut stali i splavov.

SUSLOV, Nikolay Ivanovich, insh.; ~~GROGPR'YEV, Aislen~~ Dmitriyevich,
kand. tekhn.nauk; PIMENOV, Igor' Veniaminovich, insh.;
SUSOROVA, Valentina Ivanovna, insh.; KRESTNIKOV, Yevgeniy
Pavlovich, insh.; MOROTSKAYA, Valentina Ivanovna, insh.;
BASARGINA, Tamara Vasil'yevna, insh.; ZAYTSEV, Pavel
Aleksyevich, insh.; PODOL'SKIY, A.V., insh., retsenzent;
LESIK, A.I., insh., retsenzent; BASARGINA, T.B., insh.,
retsenzent; BAGIN, Yu.I., insh., retsenzent; DUGINA, N.A., red.

[Nonmetallic materials] Nemetallicheskie materialy; spravochnik.
Pod red. N.I.Suslova. Moskva, Mashgiz, 1962. 360 p.
(MIRA 16:3)

(Nonmetallic materials)