

KROL', TS.I., kand. tekhn. nauk; OSTROVSKIY, M.A., kand. tekhn. nauk

Why should the illuminance norms not be decreased when the  
installational height of the floodlights is increased?  
Svetotekhnika 9 no.5:24-25 My '63. (MIRA 16:7)

1. Vsesoyuznyy svetotekhnicheskiy institut.  
(Electric lighting--Standards)

KROU, TS.I., kand. tekhn. nauk

Problem concerning the restriction of the fluctuations of the luminous flux of industrial lighting systems. Svetotekhnika 9 no.6:7-13 Je '63. (MIRA 16:6)

1. Vsesoyuznyy svetotekhnicheskiy institut.  
(Electric lighting)  
(Fluorescent lamps)

KROL', V. (g. Izyum. Khar'kovskaya oblast').

Mechanization of industry and State Bank credits. Vop. ekon.  
no.8:32-34 Ag '59. (MIRA 12:11)  
(Izyum--Locomotives--Repairs)

BALAKIREV, Yu.; KROL', V.

Rapid treatment of oil wells with a plastic material.  
Nef'tianik 6 no.12:11 D '61. (MIRA 14:12)  
(Oil wells)

KROL', V. A.

USSR/Chemistry - Reaction processes

Card 1/1 Pub. 151 - 14/37

Authors : Dolgoplosk, B. A.; Yerusalinskiy, B. L.; Krol', V. A.; and Romanov, L. M.

Title : Reaction of free radical in solutions. Part 2.- Relative activity of free radicals during reaction with isopropyl benzene, cyclohexene and polymers

Periodical : Zhur. ob. khim. 24/10, 1775-1782, Oct 1954

Abstract : Data regarding the relative activity of numerous free radicals, which are distinguished by their entirely different reactivity characteristics, were obtained by studying the products of thermal decomposition of diazoamino compounds in solution. A series of free radical activities was established in the reaction of separation of the H-atom from various compounds. The reason why allyl, crotyl, benzyl and tertiary-butyl free radicals do not react with isopropyl benzene, is discussed. The effect of low-active free radicals (allyl, benzyl and anil) on the structure-formation of natural rubber, is explained. Twelve references: 4-USA; 5-German; 2-USSR and 1-English (1895-1953). Tables.

Institution : Acad. of Sc. USSR, All-Union Scientific Research Institute of Synthetic Rubber and Institute of High Molecular Compounds

Submitted : March 2, 1954

USSR/Chemistry - Thermal decomposition

Card : 1/1

Authors : Dolgoplosk, B. A., Ugryumov, P. G., and Krol', V. A.

Title : Reactions of free radicals in solutions. Thermal stability of amino-azo-compounds of the aliphatic and aromatic series.

Periodical : Dokl. AN SSSR, 96, Ed. 4, 757 - 760, June 1954

Abstract : Data are presented on the thermal decomposition of various amino-azo-compounds (triazones) in hydrocarbon solutions. The kinetics of thermal decomposition was determined by the rate of gas liberation during the reaction process. During the decomposition of aromatic compounds, the liberated gas contains only nitrogen. Eight references; 1-English 1887, 2-German since 1862 and 1907. Tables, graphs.

Institution : Scientific-Research Institute of Synthetic Rubber

Presented by: Academician A. A. Ealandin, March 8, 1954

6000

✓ Reactivity of free radicals and the role of the polar factor.  
 B. A. Dolgoplosk, H. F. Zhuravskii, N. A. Eshchenko, M.  
 Kozlov, *Doklady Akad. Nauk S.S.S.R., Ser. Chem. Div.*  
*1955, 810-20.* The yields of RR and RR' in radical  
 reactions of RN:BNHP in iso-PPh or cyclohexene indi-  
 cate the order of descending radical reactivity as Me, Et,  
 C<sub>6</sub>H<sub>5</sub>, Pr, Bu, Me<sub>2</sub>CCN, *tert*-Pr, *tert*-Bu, allyl, MeCH<sub>2</sub>,  
 CHCH<sub>3</sub>, PhCH<sub>2</sub>, and Me<sub>2</sub>C. A similar series is obtained  
 in the yield of final products in reactions of these radicals  
 with benzene solns. of rubber, or in thermal treatment of  
 rubber in vulcanization. The following yields of tri-dimen-  
 sional vulcanizate were obtained with: dibenzyltriazene  
 70-90%; diazaminobenzene 65-80%; methylphenyltri-  
 azene 12-44%; isopropylbenzene hydroperoxide 18-28%;  
 Br<sub>2</sub>O<sub>2</sub> 11-30%. Benzylphenyltriazene, allylphenyltri-  
 azene, and butylphenyltriazene gave 0%. G. M. Kosolapoff

*Handwritten initials*

USSR/Chemistry of High Molecular Substances.

F

Abs Jour: Ref Zhur - Khimiya, No. 8, 1957, 27064.

Author : Bresler, S.Ye., Dolgoplosk, B.A.,  
Krol', V.A., Frenkel', S.Ya.

Inst :

Title : Reactions of Free Radicals in Solutions. V.  
Destruction of Polymer Molecules under Influence  
of Free Radicals.Orig Pub: Zh. obshch. khimii, 1956, 26, No. 8, 2201 -  
2209.

Abstract: The reactions of free radicals (forming in the result of dissociation of alkylpenyltriazenes and of dinitryl of azisobutyric acid) with natural rubber, synthetic polyisoprene and di-vinyl polymer were studied in a wide range of concentrations. The reactions of these polymers

Card 1/3

USSR/Chemistry of High Molecular Substances.

F

Abs Jour: Ref Zhur - Khimiya, No. 8, 1957, 27064.

with  $S_2Cl_2$  were studied also. The polymer destruction takes place in all cases, the decomposition of the polymer chains occurs without any order, and the probability of a rupture at any monomer link of the polymer is the same. It is established that intramolecular vulcanization does not take place at the action of free radicals on polymers under the conditions, under which the reactions have been carried out. In the opinion of the authors, the destruction proceeds in two stages: 1/ tearing an H-atom away from the polymer with the formation of the polymer radical and 2/ dissociation of the polymer radical with the formation of the diene group-ation on the end of the chain and of the allyl radical. The authors arrive at the conclusion

Card 2/3



BOLDYREVA, I.I.; DOLGOPILOSK, B.A.; IVANOVA, L.S.; KROL', V.A.; REYKH, V.N.

Production and characteristics of synthetic cispolyisoprene. *Khim. nauka i prom.* 2 no.3:391-392 '57. (MLBA 10:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka.

(Isoprene)

BABITSKIY, B.D.; DOLGOPILOSK, B.A.; KROL', V.A.

Synthesis and study of some characteristics of 1,4-polybutadiene.  
Khim. nauka i prom. 2 no.3:392-393 '57. (MLBA 10:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo  
kauchuka.

(Butadiene)

DOLGOV, B.N.; MAZUREK, V.V.; KROL', V.A.

Dilution effect on the activity of copper catalyst in the dihydration  
of butyl ether. Zhur.ob.khim. 28 no.9:2395-2399 S '58.

(MIRA 11:11)

1. Leningradskiy gosudarstvennyy universitet.  
(Dehydration) (Catalysts)

BOLDYREVA, I.I.; DOLGOPILOSK, B.A.; KROL', V.A.

Reactions of organometallic compounds with salts of heavy metals.  
Part 3: Reactions of organoaluminum compounds with titanium halides.  
Vysokom. soed. 1 no.6:900-906 Je '59. (MIRA 12:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo  
kauchuka.

(Aluminum organic compounds)  
(Titanium halides)

3(3)

807/63-4-1-22/31

Authors:

Wiedeman, A.H., Polanyi, E.P., Carlsson, L.A., Kaganovich, V.L., Kroll, F.A.

Title:

Continuous Method for Preparing Titanium Trichloride (Specially for special polychloride treatment systems)

Technical:

Dissemination grade: 1 (preliminary), 1959, Vol 4, Nr 1, p 132 (USSR)

Abstract:

A laboratory device for the preparation of TiCl<sub>4</sub> is described. It consists of an evaporating device (1), a heater for TiCl<sub>4</sub> vapor (2), an electric furnace (3), a cooler (4) and a condenser (5). The method is based on the reduction of TiCl<sub>4</sub> by hydrogen at 800-820°C. The output of the device is 10-15 g per hour. The reaction proceeds at a considerable excess of TiCl<sub>4</sub> (10 : 1 or 20 : 1) which prevents the formation of TiCl<sub>3</sub>. The product TiCl<sub>4</sub> is 99% pure. There are: 1 diagram and 6 references, 2 of which are Soviet, 2 American, 1 English and 1 German.

Card 1/2

ASSOCIATIONS:

Vegetarian number-1014000101, only Institut d'Electrochimie de la Suisse (All-Nation Scientific Research Institute of Synthetic Rubber)

COMMENTS:

June 23, 1958

Card 2/2

1001

8/138/59/000/07/02/009

AUTHORS: Vladimirov, A. M., Gavrilova, L. A., Krol', V. A.

TITLE: On the Synthesis of Trans-1.4-Polyisoprene \

PERIODICAL: Kauchuk i Rezina, 1959, No. 7, pp. 6-7

TEXT: The authors show that a polymer containing as much as 97% links of the trans-1.4-type polymers, can be obtained in the catalytic polymerization of isoprene using triethylaluminum and titanium trichloride. It is also shown that this polymer is identical to the  $\alpha$ -form of natural gutta percha, as far as its elementary lattice parameters and its crystallizability are concerned. According to the authors, this was already accomplished in 1956 by G. Natta and co-workers, as stated in Ref. 1. The present article reveals the experimental results on the polymerization of isoprene with titanium trichloride and triethyl aluminum, the latter acting as catalysts. These experiments are the continuation of work published previously by I. I. Boldyreva and coworkers, and B. D. Babitskiy and coworkers, Ref. 3, and 4. The replacement of the titanium tetrachloride with the trichloride, yields the trans-1.4-configuration instead of the Cis-1.4, as obtained in Ref. 3. The method for obtaining titanium trichloride is described briefly. The triethyl aluminum is a ready product produced by the NIIPP (Scientific


Card 1/2

On the Synthesis of Trans-1.4-Polyisoprene

S/138/59/000/07/02/009

Research Institute of Polymerized Plastics). The experimental procedure has already been outlined in Ref. 3. Table 1 gives the results of the experiments under various conditions. It is seen that the yield of the polymer depends a great deal on the temperature, and that even at 100°C, the yield does not exceed 15 to 20%. This is explained as most likely being due to the low solubility of the polymer. The presence of the solvent and its nature has little effect on the process and on the structure of the formed polymer. Table 2 gives the results of the obtained samples, as to their structure and properties. Data of natural gutta percha are submitted for comparison. The somewhat lower stability of the synthetic polyisoprene is explained by the different molecular-weight distribution of the polymers, and also by the possible presence of certain deviations in the structure. There are 2 tables, 5 references: 3 Soviet, 2 English.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka im. S. V. Lebedeva (All-Union Scientific Research Institute of Synthetic Rubber im. S. V. Lebedev).



Card 2/2

KROL', V.L.

USSR/ Minerals  
Coal  
Coke

Mar 1948

"Effect of Karaganda Coal on the Quality of Metallurgical Coke" P. A. Gud'ya (Deceased), V. L. Krol', Engineers, Magnitogorsk Combine, 6 pp

"Stal'" No 3 p. 200-205

In spite of fact that furnace-charge coal containing particles of Karaganda coal produced much ash in certain types of furnaces, its use in dome furnaces has no negative effect on productivity of the dome furnace. Further improvement of the quality of coke containing Karaganda coal particles accomplished by lowering ash content of Karaganda TsOF concentrate and the use of differential crushing of furnace-charge components.

PA 43/43T85



KROL, V. L.

4

Fuel Abst.  
Vol. 15 No. 4  
Apr. 1954  
Natural Solid Fuels  
Preparation

✓ 2779. ✓ CONSERVATION OF COKING COALS IN STORE AT COKE AND CHEMICAL WORKS.  
Bogoyavlenskii, V.V., Fed'abin, H.G., Krol, V.L., and Khersovskaya, F.A. (Sov. Khim.  
Topliva (Fuel Econ.), June 1952, 13-18; abstr. in J. U.S.S.R. Gaz, June 1953, vol. 71,  
27) and in Gas World, 28 Nov. 1953, vol. 138, 1324). Experiments on the effect of  
storage in the open air on the carbonizing properties of coal have been reported.  
Measurements of the temperature in the heaps showed that if the heap was 35 ft. high,  
the maximum occurred about 16 ft. from the ground, whereas if the heap was 10 ft.  
high, the maximum occurred close to the ground. As a result of the experiments, the  
maximum stocking period was found to be between one and two months. The oxidation of  
the coal was found to be less rapid if the stock was piled during a 14 month period. (17)  
U.S.S.R.

BOGOMOLOVSKIY, V. N., MEL'DERIN, N. G.  
KRCL', M. L., KERSCHENAYA, YE. A.

BOGOMOLOVSKIY, V. N., MEL'DERIN, N. G., KRCL', M. L., KERSCHENAYA, YE. A.

Coke Industry

Efficient storage of coking coal in the storage bins of coke by-product plants. Za ekon. top. 9 no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 ~~1953~~, Uncl.

KROL' V.L.

USSR/Chemical Technology - Chemical Products and Their  
Application: Treatment of solid mineral fuels

I-12

Abstr Jour : Referat Zhur - Khimiya, No 4, 1957, 12846

Author : Separ A.M., Krol' V.L., Bykov G.M.

Title : Effect of Coking Conditions on Quality of Coke

Orig Pub : Stal', 1953, No 11, 967-972

Abstract : No abstract.

Card 1/1

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"APPROVED FOR RELEASE: 06/14/2000

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**APPROVED FOR RELEASE: 06/14/2000      CIA-RDP86-00513R000826620010-6"**

Koks, V.L.

68-9-4/15

AUTHOR: Krol', V.L.

TITLE: Averaging Coals for Coking (Usredneniye ugley dlya koksovaniya)

PERIODICAL: Koks i Khimiya, 1957, Nr 9, pp.18-22 (USSR)

ABSTRACT: This is a criticism of the paper by P.A.Baydalinov published in "Koks i Khimiya", 1957, Nr 2. Baydalinov's view that coals during their passage from mines through coal beneficiation plants and blending plants on coke ovens are sufficiently mixed to secure uniformity of the composition of the blend, is strongly opposed. The arguments are supported by data on the variability of coal blends depending on the number of blending bunkers in operation and on the passage of coal from mines directly into bunkers or through the stock yard (Tables 1 and 2, and Figs.1-3). It is concluded that coal beneficiation plants can supply well mixed coals, but cannot maintain an average composition on a required level for a long period of time. In order to maintain a uniform composition of coals which can secure a standardised quality of coal blends an appropriately fitted stock yard is necessary. There are 2 tables and 4 figures.

ASSOCIATION: Magnitogorsk Metallurgical Combine (Magnitogorskiy Card 1/2

68-9-4/15

Averaging Coals for Coking.  
Metallurgicheskiy Kombinat).

AVAILABLE: Library of Congress.

Card 2/2

KR01, U.L.

3(1) **PEACE I BOOK EXPLOITATION NOV/21/71**

**Ekotekhnicheskoye proizvodstvo; sbornik statey (By-Product Coking Industry; Collection of Articles) Moscow, Metallurgizdat, 1959. 340 p. 2,500 copies printed.**

**Ed.: B. S. Filippov; Ed. of Publishing House: A. A. Novykh; Tech. Ed.: V. G. Isakova**

**PURPOSE:** The book is intended for engineers and technicians in the by-product coking industry and in scientific research institutes. The book may also be used by students in secondary and higher technical schools.

**COVERAGE:** The articles in this collection on the by-product coking industry appeared originally either in the periodical *Ekho i Khimiya* (Echo and Chemistry) or in other publications during 1955-1956. The book discusses the development of raw-material reserves for coking, technology of the manufacture of coke, quality of coke and further enlargement of the number of chemical coking products obtained. Some articles are devoted to a new procedure for preparing and beneficiating coals, new methods for coking, and to the mechanization and automation of industrial processes. References accompany individual articles.

**Larson, R. E. (Soyuzin NEFT). Partial Mechanization and Automation in Coking Plants 183**

**Kashchko, R. S. (Metallurgizdat), and S. A. Gomanov (Soyuzin NEFT). Ferro-Coke and Its Use in the Blast Furnace 197**

**Sud'nyy, M. (Magnitogorskiy metallurgicheskiy kombinat - Magnitogorskiy Metallurgical Combine). Methods of Increasing the 60-80 mm Fraction of Metallurgical Coke 218**

**Mityushko, M. S., and I. M. Buzalovskiy (VNIIN). Prospects of the Development of Processing Chemical Obtained in the By-Product Coking Industry in the USSR. During 1977-1985 227**

**Novolovich, I. M. (VNIIN). Progress in Developing a Larger Number of Primary Products in the Processing of Coal Tar 234**

**AVAILABLE: Library of Congress**

5



AUTHOR: Krol', V.L.

SOV/68-59.6.18/25

TITLE: In the Coke Oven Research Laboratory TsZL of the Magnitogorsk Metallurgical Combine (V koksokhimicheskoy issledovatel'skoy laboratorii TsZL Magnitogorskogo metallurgicheskogo kombinata)

PERIODICAL: Koks i Khimiya, 1959, Nr 6, p 60 (USSR)

ABSTRACT: 1) Technology of smokeless charging of ovens was developed (described in this journal).  
2) Studies of the possibilities of decreasing the dust content (-0.5mm) in coal blends were completed. It was established that the only way of decreasing the dust content of coal blends is screening out - 3 mm fraction before crushing and decreasing the velocity of rotation of the hammer mill rotor.  
3) The relationship between the weight of the charge and bulk density of blends on their degree of fineness, moisture content and oil additions is being studied.  
4) Laboratory and industrial investigations on the technology of coking blends with additions of petroleum products in order to improve the quality of coke and yield of by-products are being carried out.

Card 1/2

In the Coke Oven Research Laboratory T3ZL of the Magnitogorsk  
Metallurgical Combine

SOV/68-59-6-18/25

5) The work on improving the quality of absorption oil has been finished. The developed technology of distillation and regeneration of the oil (not stated) was put into operation.

6) Laboratory investigations on the determination of causes of high water content of tars have been carried out. It was established that the following factors have a stabilising influence on tar emulsions, solid particles (free carbon, coal dust etc.) and water with increased content of chlorides, mainly ammonium chloride, and that there is a relationship between the water content in tar and the content of solid particles and chlorides in the liquor from the gas collecting mains and condensers. The work is being continued.

Card 2/2

KROL', V.L.; DOROGOBID, G.M.; PRAZDNIKOVA, V.A.

Effect of the addition of mazut on the quality of coking products.  
Koks i khim. no.9:12-16 '61. (MIRA 15:1)

1. Magnitogorskiy metallurgicheskiy kombinat.  
(Magnitogorsk--Coke industry--By-products) (Mazut)

KROL', V.L.

Crushing the coal components of a charge in separate operations.  
Koks i khim. no.11:9-12 '61. (MIRA 15:1)

1. Magnitogorskiy metallurgicheskiy kombinat.  
(Coal preparation)

L 26385-46 EWP(j)/EWP(k)/EWT(d)/EWT(m)/EWP(h)/T/EWP(i)/EWP(v)/EWP(z) LJP(c)  
ACC NR: AP6007726 RM/WW/JD/HW SOURCE CODE: UR/0413/66/000/003/0139/0139

AUTHORS: Markov, S. A.; Prokopenko, Yu. K.; Khachikyan, V. E.; Krol', V. M. 43  
B

ORG: none

TITLE: Device for preparing stocks of cellular blocks. Class 75, No. 178711.

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 139

TOPIC TAGS: machine part, adhesive material, cutting tool, honeycomb structure

ABSTRACT: This Author Certificate describes a device for the preparation of cellular blocks. The device includes the core, a system of drums, cutting knives, a reservoir for gluing compounds, and a glue-appliator attachment. The glue appliator is made in the form of a rotating roller drum consisting of two full cylinders placed one inside the other. This arrangement permits simultaneous regulation of the thickness and width of all glued strips in the process of their application to, for example, foil (see Fig. 1).

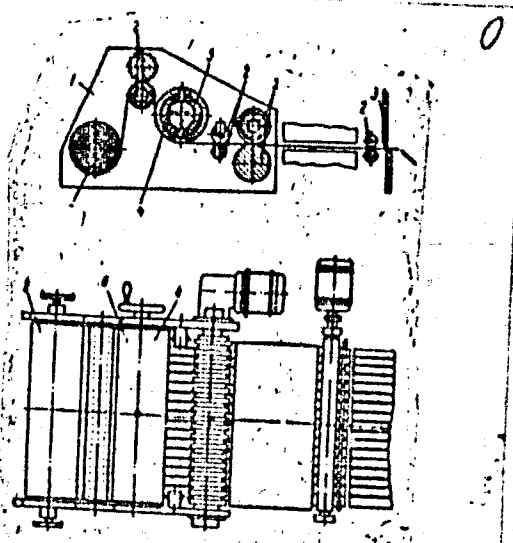
Card 1/2

UDC: 667.661.3

L 26382-66

ACC NR: AP6007726

Fig. 1. 1 - core; 2 - drum; 3 - knife;  
4 - outer cylinder; 5 - inner cylinder;  
6 - rotating drum.



Orig. art. has: 1 figure.

SUB CODE: 14, 11/ SUBM DATE: 31Aug64

Card 2/2. CC

ACC NR: AP7001995

SOURCE CODE: UR/0040/66/030/006/1022/1028

AUTHOR: Afanas'yev, Yu. V. (Moscow); Krol', V. M. (Moscow); Krokhin, O. N. (Moscow);  
Neuchinov, I. V. (Moscow)

ORG: Institute of Physics of the Earth, AN SSSR (Institut fiziki Zemli AN SSSR);  
Physics Institute, AN SSSR (Fizicheskiy institut AN SSSR)

TITLE: Gas dynamic processes during the heating of matter by means of a laser beam

SOURCE: Prikladnaya matematika i mekhanika, v. 30, no. 6, 1966, 1022-1028

TOPIC TAGS: laser radiation, radiative heating, thermodynamic process

ABSTRACT:

An investigation was made of the heating process and the gas dynamic motion of matter subjected to the effects of a powerful laser beam. An examination was made of the case when a bounded transparent mass of gas was heated. The problem of the heating of an initially cold and motionless gas, filling a space bounded by a vacuum, was also solved. The gas dynamic approach for solving these problems was selected because at sufficiently powerful fluxes of laser radiation the rise in temperature is accompanied by the formation of gas dynamic motion of matter (evaporation), which itself exerts a substantial effect on the whole process of heating. One of the features of the process which complicates solution of the prob-

Card 1/2

ACC NR: AP7001995

lem is the dependence of the absorptive power on the state of matter during its gas dynamic motion. On the basis of a system of equations for motion, continuity, energy, and radiation transfer, expressed in Lagrange coordinates, a system of differential equations was derived. The existence of self-similar motion was shown. The results of the self-similar solution and of the numerical calculations were obtained and compared. A study was made of the possibility of employing the results obtained to describe the heating and evaporation of matter from the surface of a solid body under the effect of a Q-switched laser beam. The authors thank N. G. Basov, S. P. Kurdyumov, and A. A. Milyutin for discussing the problem and for their advice, and V. V. Novikova for her help in the numerical calculations. Orig. art. has: 14 formulas and 5 figures.

SUB CODE: 20/ SUBM DATE: 24Mar66/ ORIG REF: 004/ OTH REF: 001/ ATD PRESS: 5111

Card. 2/2



KROL', V.S.

Head equipment for wells developed with a sinking electrical pump.  
Mash. i neft. obor. no.1:17-19 '65. (MIRA 18:4)

1. Neftepromyslovoye upravleniye "Peschanyneft'".



FALAKHOV, Yu.A.; KHOL', V.S.

Acid and thermal-acid treatment of heavily drained wells by  
the pulse method. Neft. Khoz. 41 no. 12:31-36 D '63.  
(MIRA 17:6)

BALAKIROV, Yu.A.; KROL', V.S.

Developing methods for stimulating the bottom zone of wells.  
Neft. khoz. 42 no.11:9-12 N '64 (MIRA 18:2)

POLAND/Chemical Technology. Chemical Products and Their  
Application. Ceramics. Glass. Binders. Concrete.

H-13

Abs Jour: Ref Zhur-Khin., No 13, 1958, 44135.

Author : Kaufman Stefan, Krol Wilhelm, Lebda Edward,  
Wojtan Tadeusz

Inst :

Title : Hardening of Concrete at Subfreezing Temperature.

Orig Pub: Mater. budowl., 1957, 12, No 11, 321-330.

Abstract: A study of the conditions of concrete preparation at a temperature of  $-15^{\circ}$ , and of its subsequent hardening at subfreezing temperature, with retention of compression strength of at least  $170 \text{ kg/cm}^2$ . In addition to Polish cements (portland cement of grade "350", fast hardening and aluminous), Soviet aluminous cement was also tested. It was found that concrete

Card : 1/2

PCLAND/Chemical Technology. Chemical Products and Their  
Application. Ceramics. Glass. Binders. Concrete.

H-13

Abs Jour: Ref Zhur-Khin., No 13, 1958, 44135.

from Polish portland cements fails to attain a strength of  $170 \text{ kg/cm}^2$  prior to freezing. This can be attained only on preheating of aggregates and addition of  $\text{CaCl}_2$ . Use of aluminous cement makes it possible to produce a concrete which rapidly acquires strength at low temperatures.

Card : 2/2

27

KRCL, W.: BUDZIANOWSKI, Z.

Testing the thermoelectric prestressing of reinforced-concrete pipes by applying common-quality steel, p. 253.

INZNIERIA I BUDOWNICTWO. (Naczelna Organizacja Techniczna i Polski Zwiacek Inzynierow i Technikow Budowlanych) Warszawa, Poland.  
Vol. 16, No. 6, June 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,  
November 1959  
Uncl.

KROL, Wilhelm, doc. dr inż.

Certain methods of absorbing the blows of big lumps of  
stone against the bottom of bins. Inż i bud 20 no.10:386-390  
0 '63.

1. Politechnika Slaska, Gliwice.



KROL, Wilhelm

Spatial rigidity of prefabricated densely ribbed ceilings.  
Budown Gliwice no.7:sl-118 '61.

KROL, W.; KRAUSS-ZAKI, J.

Author's results and observations on the treatment of  
hypertension by prolonged sleep. Polski tygod. lek. 6  
no.4:114-119 22 Jan 1951. (CJML 20:11)

1. Of the First Clinic for Internal Diseases (Head -- Prof.  
Leon Tochowicz, M.D.) of Krakow Medical Academy.

**KROL, W.; KRAUSS-ZAKI, J.**

Indications and contraindications to the treatment of essential hypertension with prolonged sleep. Polski tygod. lek. 7 no.48:1589-1593 1 Dec 1953. (GLML 24:2)

1. Of the First Internal Clinic (Head--Prof. L. Tochowicz, M.D.) of Krakow Medical Academy.

CHABINKA, W.; KROL, W.; GSZACKI, J.

Effect of hemorrhage, blood transfusion, and novocain administration on electrocardiographic picture in rabbit. Polski tygod. lek. 8 no.2:52-54 12 Jan 1953.  
(CLML 24:3)

1. Of the Third Surgical Clinic (Head--Prof. J. Jasienski, M. D.) and of the First Internal Clinic (Head--Prof. L. Tochowicz, M. D.), Krakow Medical Academy.

KROL, W.

Value of Habs monogram in determination of basal metabolism, Polski tygod. lek. 8 no.29:1001-1003 20 July 1953. (CIAM 25:1)

1. Of the First Internal Clinic (Head--Prof. L. Tochowicz, M.D.) of Krakow Medical Academy.

KROL, Wladyslaw

Significance of venous hypotension in chronic circulatory insufficiency. Kardiologia Polska 1 no:1-2:123-127 1954.

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie. Kierownik: prof. dr Tochowicz.

(CONGESTIVE HEART FAILURE, manifestations, venous hypotension)

(HYPOTENSION, venous, in congestive heart failure)

7402  
TOCHOWICZ, Leon; MROZOWSKI, Jerzy; KROL, Wladyslaw

Clinical evaluation of Wolff-Parkinson-White syndrome according to observations on 14 cases. Polskie arch. med. wewnetr. 24 no.4: 543-560 1954.

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w Krakowie.  
Kierownik: prof. dr Leon Tochowicz.

(HEART BLOCK,

Wolff-Parkinson-White synd., clin. aspects)

TOCHOWICZ, Leon; KROL, Wladyslaw; STYLO, Dzierzykraj; PUDIK, Zbigniew

Upper limits of normal arterial pressure and frequency of hypertension in the Krakow region. *Polskie arch. med. wewn.* 26 no.4:483-496 1956.

1. Z I Klin. Chorob Wewn. A.M. w Krakowie. Kier. prof. dr. med. L. Tochowicz. I Klinika Chorob Wewn. A.M. w Krakowie ul. Kopernika 17.

(BLOOD PRESSURE,

upper limit of normal pressure in Poland (Pol))

(HYPERTENSION, epidemiology,  
in Poland (Pol))



KROL, Wladyslaw; CHOLEWA, Leon

Water heart test in hypertension. Polskie arch. med. wewn.  
26 no.4:561-570 1956.

1. Z I Klin. Chor. Wewn. AM w Krakowie, Kier. prof. dr. med.  
L. Tochowicz, I Klin. Chorob. Wewn. AM w Krakowie, ul. Kopernika  
17.

(HYPERTENSION, physiology,  
water intake-excretion ratio in moderate exercise (Pol))  
(CARDIOVASCULAR SYSTEM, function test,  
water intake-excretion ratio in moderate exercise  
in hypertension (Pol))

KRÓL W. *AMERICA* Soc. 13 Vol. 2/2 Cardiovascular Dis. Feb 53

588. KRÓL W., CYBULSKI L., PELC M. and JUSZCZYNSKI M. 1. Klin. Chor. Wewn. A.M. i 3. Klin. Chir. A.M., Kraków. Zachowanie się żylnego ciśnienia u chorych przed, w czasie operacji i w pierwszych dniach po operacji *The behaviour of the venous tension in surgical patients before, during, and in the first few days after operation* Pol. Tyg. lek. 1957, 12/4 (136—140)

Measurements of venous pressure (V.P.) were carried out in 104 unselected patients, 14-68 yr. old, before, during and after abdominal and thyroid surgery. In 64 patients the pre-operative venous pressure was elevated (normal values were considered to lie between 70 to 110 mm. water). This was attributed to emotional factors related to the anticipation of surgery. The premedication caused an increase in venous pressure in the majority (57%) of patients. Ether anaesthesia was associated with an increase of venous pressure in 44 out of 55 patients. There was a lesser increase of V.P. in patients anaesthetized with evipan (evipal), while in 4 patients operated under local anaesthesia the venous pressure decreased during induction of anaesthesia. During operation, venous pressure ranged from 20 to 400 mm. water, and fluctuated widely from 25 to 220 mm. water. The fluctuations were partly related to changes in the position of patients during operation. The largest increases of venous pressure observed during operation occurred in 7 thyroidectomized patients during manipulation on the vessels of the superior pole of the thyroid gland.

Surawicz - Burlington, Vt. (XVIII, 9, 17\*)

JUSZCZYNSKI, Michal; CYBULSKI, Lech; PELC, Marian; KROL, Wladyslaw

Behavior of venous pressure during chest surgery. Polski  
tygod. lek. 12 no.11:389-391 11 Mar 57.

1. (Z III Kliniki Chirurgicznej A.M. w Krakowie; kierownik  
prof. dr. Jerzy Jasienski i z I Kliniki Chorob Wewnętrznych  
A.M. w Krakowie; kierownik: prof. dr. Lech Tochowicz).

Adres: Krakow, III kl. Chir. Ak. Med.

(THORAX, surg.

eff. on venous pressure (Pol))

(BLOOD PRESSURE, physiol.

venous, eff. of thoracic surg. (Pol))

KOPERA, Zygmunt; KROL, Wladyslaw

Circulation system of funnel chest. Polski tygod. lek.  
12 no.18:678-683 29 Apr 57.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Krakowie; kierownik:  
prof. dr. Leon Tochowicz. Krakow, I Klin. Chor. Wewn. A.M.  
(THORAX, abnorm.  
funnel chest, blood supply (Pol))

KROL, Wladyslaw; SZOPINSKA, Lidia; KOCENBA, Josef

Treatment of hypertension with blocking agents of domestic production. Polski tygod. lek. 12 no.24:904-909 10 June 57.

1. (Z I Kliniki Chorob Wewnetrznych A.M. w Krakowie; kierownik: prof. dr. Leon Tochowicz) Adres: Krakow, ul. Kopernika 17. I Klinika Chorob Wewnetrznych A.M.

(METHONIUM COMPOUNDS, therapeutic use,  
hypertension (Pol))

(HYPERTENSION, therapy,  
methonium cpds. (Pol))

KROL, Wladyslaw; STYLO, Dzierzykraj

Endemia of goiter in the Krakow region & the importance of environment  
in forming the kind & degree of endemia. Polski tygod. lek. 12 no.52:  
2019-2026 30 Dec 57.

1. Z I Kliniki Chorob Wewnetrznych A. M. w Krakowie; kierownik: prof.  
dr Leon Tochowicz. Adres: Krakow, I Klinika Chorob Wewnetrznych A. M.  
(GOITER, epidemiol.  
endemic, in Poland (Pol))

KHOL, Władysław; STARZYK, Jan

Cardiovascular toxoplasmosis. Polski tygod. lek. 13 no.1:13-16 6 Jan 58.

1. (Z I Kliniki Chorob Wewnętrznych A. M. w Krakowie; kierownik: prof. dr Leon Tochowicz i z Zakładu Mikrobiologii Lekarskiej A. M.; kierownik: prof. dr Zdzisław Przyłkiewicz) Adres: Krakow, ul. Kopernika 17. I Klinika Chor. Wewn. A. M.

(CARDIOVASCULAR DISEASES  
toxoplasmosis (Pol))

(TOXOPLASMOSIS  
cardiovasc. (Pol))

OSZACKI, J.; KROL, W.; MARGZYNSKA, A.; CEGIELSKI, M.; MAJ, J.; ADAMCZYK, B.

Experimental hypothermy in cats. I. Cardiographic & electrocardiographic investigations. II. Changes in the cation & serum protein contents. Polski przegl. chir. 30 no.7:719-732 July 58.

I. Z II Kliniki Chirurgicznej A. M. w Krakowie Kierownik; prof. dr K. Michejda z I Kliniki Chorob Wewnętrznych A. M. w Krakowie Kierownik; prof. dr. L. Tochowicz oraz z Zakładu Farmakodynamiki A. M. w Krakowie Kierownik; prof. Dr. J. Hano Krakow, ul. Kopernika 21.

(HYPOTHERMIA, experimental

eff. of heart, ECG manifest., changes in serum protein & cation levels in cat (Pol))

(HEART, physiol.

eff. of hypothermia, ECG manifest. in cat (Pol))

(ELECTROCARDIOGRAPHY

eff. of hypothermia in cat (Pol))

(BLOOD PROTEINS

eff. of hypothermia on levels in car (Pol))

(IONS, in blood

cations, eff. of hypothermia on levels in cat (Pol))



KROL, Wladyslaw; CIHA, Tadeusz; MIKULOWSKI, Pawel

Clinical value of serum turbidity in patients with Sheehan's syndrome. Polski tygod. lek. 14 no.44:1940-1944 2 Nov 59.

1. (Z I Kliniki Chorob Wewnętrznych A. M. w Krakowie; kierownik: prof. dr Leon Tochowicz i z Zakładu Anatomii Patologicznej A. M. w Krakowie; kierownik: prof. dr Janina Kowalczykowa).  
(PITUITARY GLAND, dis.)

KROL, Wladyslaw, CIBA, Tadeusz

Anterior lobe of the pituitary and fat metabolism. Polski tygod.  
lek.15 no.23:857-859 6 Je '60.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Krakowie; kierownik:  
prof. dr Leon Tochowicz.  
(PITUITARY GLAND dis.)  
(LIPIDS blood)

TOCHOWICZ, L.; KROL, W.; CIBA, T.; KOCEMBA, J.; SZOPINSKA, L.

Effect of nutrition on the cholesterol level and turbidity of the blood serum. *Polskie arch.med. wewn.* 30 no.7:881-883 '60.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Krakowie Kierownik:  
prof. dr med. L.Tochowicz Opracowanie statystyczne: J.Czysynski  
z Katedry Statystyki W.S.E. Kierownik: prof. dr J.Fierich  
(CHOLESTEROL in blood)  
(DIET exper)

KROL, Wladyslaw; CIBA, Tadeusz

Effect of the anterior lobe of the pituitary on fat metabolism.  
Polskie arch.med.wewn. 30 no.7:934-936 '60.

I. Z I Kliniki Chorob Wewnetrznych A.M. w Krakowie Kierownik:  
prof. dr med. L.Tochowicz  
(PITUITARY GLAND dis.)  
(LIPIDS blood)

KROL, Wladyslaw

Organization of work in the cardiologic clinic of the Boucicaut Hospital.  
Polski tygod. lek. 16 no.27:1047-1049 3 J1 '61.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Krakowie; kierownik: prof.  
dr Leon Tochowicz.

(CARDIOLOGY hosp & clin)

POLAND

GIBA, Tadeusz and KROL, Wladyslaw: First Clinic of Internal Diseases (I Klinika Chorob Wewnetrznych), AM Akademia Medyczna -- Medical School in Krakow, Director: Prof Dr Leon TCHOWICZ.

'Primary and Secondary Hypothyreosis'

Warsaw, Polski Tygodnik Lekarski, Vol XVIII, No 8, 18 Feb 1963, pp 296-298

Abstract: [Authors' English summary modified] Two groups of patients are reported. One of them consisted of persons with primary hypothyreosis, the other of patients with secondary hypothyreosis due to insufficiency of the anterior lobe of the hypophysis caused by labor. The differences noted in the history of clinical examination and laboratory tests between those two groups are mentioned. Attention is drawn to the  $^{131}$  uptake by the thyroid gland after the administration of T.S.H. as a very important diagnostic test in  
1/2

CIBA, Tadeusz; KROL, Wladyslaw

Characteristic features differentiating primary from secondary  
hypothyroidism. Pol. tyg. lek. 18 no.8:296-298 18 F '63.

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie; kierownik:  
prof. dr Leon Tochowicz.

(HYPOTHYROIDISM) (LABOR COMPLICATIONS)  
(PITUITARY GLAND, ANTERIOR)

KROL, Wladyslaw, sekretarz biura Jubileuszowego

The Krakow Academy of Medicine on the eve of its 600th anniversary. Pol. tyg. lek. 18 no.40:1469-1470 30 S 163.

(SCHOOLS, MEDICAL) (HISTORY OF MEDICINE)



KROL, Wladyslaw; CIBA, Tadeusz; KOCEMBA, Jozef; SZOPINSKA-CIBA, Lidia;  
TOCHOWICZ, Leon

Effect of diet on the turbidity of the blood serum. Pol. tyg.  
lek. 18 no.40:1473-1478 30' 5' 1963.

I. Z I Kliniki Chorob Wewnętrznych AM w Krakowie; kierownik:  
prof. dr Leon Tochowicz.

(BLOOD CHOLESTEROL) (BLOOD LIPIDS)  
(BLOOD CHEMICAL ANALYSIS)  
(OCCUPATIONS AND PROFESSIONS)  
(ARTERIOSCLEROSIS) (STATISTICS)  
(DIET)

OSZACKI, Jan; KOPERA, Zygmunt; KROL, Wladyslaw

Status of the circulatory system before and after a surgical intervention for funnel chest. Polski przegl. chir. 35 no.1: 7-13 '63.

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie Kierownik: prof. dr L. Tochowicz i z II Kliniki Chirurgicznej AM w Krakowie Kierownik: prof. dr J. Oszacki.

(FUNNEL CHEST) (SURGERY, OPERATIVE)  
(ELECTROCARDIOGRAPHY) (BLOOD PRESSURE)  
(BALLISTOCARDIOGRAPHY) (RESPIRATION)  
(BLOOD CIRCULATION)

KROL, Wladyslaw; KIETA-FYDA, Aleksandra, TABEAU, Jerzy; SOSNI, Marian;  
ZUROWSKI, Czeslaw.

The circulatory system in shock in recent myocardial infarction. Pol. tyg.lek. 18 no.45:1669-1675 4 N°63.

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie. Kierownik:  
prof.dr. Leon Tochowicz.

CIBA, Tadeusz; KOCEMBA, Jozef; KROL, Wladyslaw; SZOPIŃSKA-CIBA, Lidia;  
TOCHOWICZ, Leon.

Effect of nutrition on the total cholesterol level in the blood  
serum. Pol. tyg. lek. 18 no.45:1675-1679 4 N°63.

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie. Kierownik:  
prof.dr. Leon Tochowicz.

CIBA, Tadeusz; KROL, Wladyslaw

Glinski-Simmonds syndrome following hemorrhage of the digestive system. Pol. tyg.lek. 18 no.50:1896-1899 9 D'63

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie; kierownik: prof.dr. Leon Tochowicz.

\*

Ang. 2. 1974; *BRITISH, Standard*

Dist and hypertension in the development of acute focal  
Pol. tyg. lek. 19 no.8:181-186, 1974.

V. Z. I Klinicki Chorob Vegetativnych Akademii Medycznej v SSSR  
(Kierownik: prof. dr. Leon Tschostak).



FRGL, Wladyslaw; GIBA, Tadeusz

Value of the serum turgor test in the diagnosis of pituitary and adrenal hypo- and hyperfunction. Pol. tyg. lek. 20 no.5: 169-171 1 F'65.

1. Z I Kliniki Chirurgi i Endokrynologii Szpitala Wojewódzkiego w Lublinie (kierownik: prof. dr. Jan Tachowicz).



KROL, Wladyslaw; PASYK, Stanislaw

Auscultation phenomenon in hypertension. Pol. tyg. lek. 20  
no.10:342-344 8 Mr '65.

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w  
Krakowie (Kierownik: prof. dr. Leon Tochowiec).

KROL, Wladyslaw; BICZ, Natalia; NOWICKI, Zdzislaw

A case of pulseless disease caused by collagenosis. Pol. tyg.  
lek. 20 no.13:479-480 29 Mr '65

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w Krakowie  
(Kierownik: prof. dr. Leon Tochowicz) i z Zakladu Histologii  
Akademii Medycznej w Krakowie (Kierownik: prof. dr. Jadwiga  
Ackermann).

1901, Władysław; WOJCIKIEWICZ, Olga

Wlaaid in the treatment of coronary insufficiency. Pol. 195.  
Lek. 20 no.17:608-611 26 Ap '65.

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie (Kierownik:  
prof. dr. Leon Tochowicz).

KROL, Ya.M., podpolkovnik meditsinskoy sluzhby, kand.med.nauk; KUDEL'SKIY,  
L.A., podpolkovnik meditsinskoy sluzhby

Features of inflammatory diseases of the accessory nasal sinuses  
in submarine personnel. Voen.-med. zhur. no.3:36-38 Mr '60.  
(MIRA 14:1)

(SINUSITIS)

(SUBMARINE MEDICINE)

BUKHIMOVICH, G.S.; KHOL, Ya.M.; BONK, G.M.

Clinical X-ray diagnosis of central lung cancer with retro-  
grade metastases. Vop.onk. 9 no.2:17-24'63. (MIRA 16:9)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey no.1  
(nachal'nik - deystvitel'nyy chlen AMN SSSR prof. P.A.  
Kupriyanov) Voenno-meditsinskoy ordena Lenina akademii imeni  
S.M.Kirova.

(LUNGS--CANCER) (LUNGS--RADIOGRAPHY)  
(METASTASIS)

TOLUZAKOV, V.L. (Leningrad, K-9, ul. Smirnova, d.8, kv.53); KROG, Ya.M.;  
DAVYDENKO, V.A.; BONK, G.M.

So-called cavitory form of pulmonary cancer. Vop. onk. 10 no.5:  
3-10 '64. (MIRA 18:8)

1. Iz khirurgicheskoy kliniki dlya usovershenstvovaniya vrachey  
No.1 Voenno-meditsinskoy akademii imeni Kirova (nachal'nik -  
prof. A.P.Kolesov).

Томашев, А. П., Свиридов, В.А., Крол, Я.М., Коне, Г.М.

Radio-genetical evidences of the inoperability of pulmonary cancer. Vop. onk. 11 no.7:9-17 '65. (MIRA 18:9)

1. Iz khirurgicheskoy kliniki dlya usovershenstvovaniya vrachey No.1 Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova (nachal'nik - prof. A.P. Kolesov).

EROS, Yu.; KHOKHLOVA, Z.

New method for the production of bone glue. *Mias.ind,SSSR* 23  
no.4:33-34 '57. (MLBA 10:7)

(Glue)



KHOKHLOVA, Z.V., starshiy nauchnyy sotrudnik; KROL', Yu.L., inzh.

Production of glue from small bones defatted by the cold water  
process. Trudy VNIIMP no.9:122-126 '59. (MIRA 13:8)  
(Glue) (Bone products)

KROL', Yu.N.

Relay model of the self-reproduction process. *Fiziologiya* 5  
no.5:580-584 S-O '62. (MIRA 18:5)

1. laboratoriya fiziologii kletki Instituta fiziologii AN SSSR,  
Leningrad.

KROL', Yu.N.

Model study of a particular principle of the microevolutionary  
process. Biofizika 7 no.5:529-537 '62. (MIRA 17:8)

1. Institut tsitologii AN SSSR, Leningrad.

KROL', Yu.N.

Some critical comments on the article by H.A. Liberman and L.M. Chailakhian on the phase theory of bioelectrical phenomena. TSitologiya 5 no.5:565-566 3-0 '63. (MIRA 17:4)

1. Laboratoriya fiziologii kletki Instituta tsitologii AN SSSR, Leningrad.

1971, Ya.N.

**Principles** of the calculation of electrical potential differences  
in media of the type "aqueous solution - phase - aqueous solution";  
(on the theory of bioelectrical phenomena.) *Biologiya* no.6:723-  
737 Nov 1971. (MIRA 28:8)

I. Laboratoriya Fizicheskoi Khimii Institutov Khimii AN SSSR,  
Leningrad.

HALAL, A.; TRUSHA, I.

"Moving Automatic Loading Machines", Biuletyn, I. S., (INSTRUMENTATION,  
Vol. 10, No. 11, November 1954, Stanograd, Poland)

SC: Monthly List of East European Inventions (SAL), IS, Vol. 4, No. 3,  
March 1955, U. S. cl.

KROLAK, J.

✓ 7. A RAPID BEAM HEADING IN ROCK AND COAL AT THE CHALCHICE MINE.  
Anastowicz, A. and KROLAK, J. (Mlad. Gorn. (Min. Bull., Stalinogr6d), Sept.  
1955, 258-260). The principal feature of this rapid heading was the use of  
the L2K-1P coal and rock loader, a Polish machine, which is not, however,  
described in any detail. Organizational methods and ventilation are reported  
more fully. 71 metres of roadway were driven in the first month and 96 metres  
in the second. Particular emphasis is laid on correct hoisting.  
H.C.B.

*Jul 2*

ACC NR: AT6028378

(N)

SOURCE CODE: UR/0000/65/000/000/0124/0141

AUTHOR: Vartanov, S. P.; Gagel'gants, A. A.; Krolenko, I. I.; Levchenko, V. A.  
Malovitskiy, Ya. P.; Milashin, A. P.; Rapoport, S. Ya.; Fedynskiy, V. V.; Shapirovskiy,  
N. I.; Shekinskiy, E. M.

ORG: none

TITLE: Geological results of marine geophysical exploration in the USSR

SOURCE: International Geological Congress. 22d, New Delhi, 1964. Geologicheskiye  
rezul'taty prikladnoy geofiziki (Geological results of applied geophysics); doklady  
sovetskikh geologov, problema 2. Moscow, Izd-vo Nedra, 1965, 124-141

TOPIC TAGS: geophysic expedition, earth structure, seismic prospecting, ocean floor  
topography, tectonics

ABSTRACT: Marine geophysical exploration have been conducted in the Soviet Union for  
the purpose of investigating the crustal structure, and regional geological investiga-  
tions have been made in offshore areas which are potential oil- and gas-bearing  
structures. The seismic method is the most effective and most often used for off-  
shore investigations. Also successful are gravimetric, magnetic, and electric  
prospecting methods. The technique of offshore seismic shooting has been greatly  
improved, making it possible to operate from a moving ship. The geophysical investi-  
gations conducted on the Caspian Sea made it possible to distinguish the areas of

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ACC NR: AT6028378

the Pre-Cambrian Epihercynian platform and the Alpine geosyncline. Investigations have been made of the regional structure of the south Caspian depression, oil-bearing regions of its folded margins, and gentle structures of the internal depression. The area of the Epihercynian platform has been found to contain Kara-Bugaz and middle Caspian arches and offshore continuation of the South Mangishlack depression as well as folded zones. The continuations of the South Mangishlack and Karpinsky ridge, the north Caspian zone of marginal uplifts of the Pre-Cambrian platform and the offshore continuation of the Pre-Caspian depression have been thoroughly investigated. A number of structures in the southern part of the Caspian Sea have been prepared for deep drilling. At the Sea of Azov a step-like submergence of the southern slope of the Pre-Cambrian platform has been established, and the Azov rampart, which connects the Epihercynian folded structures of the Northern Caucasus and Crimean steppe has been located. Offshore continuations of the Kerch-Taman dislocations have been studied. At the Black Sea geophysicists have studied the hidden Cretaceous folding and deep-seated faults at the offshore continuation of the Kolkhida depression, submergence of the northwestern Caucasus, buried highs south of the Crimea and the jointing between the Crimean and Dobrudga dislocations. Also the structure of the crust and the structure of the sedimentary strata in the deep-sea areas have been studied. Seismic surveys have been conducted to study the geology of the Paleozoic deposits and the surface of the basement in the eastern Baltic Sea. It has been established that the thickness of the sediments within the offshore continuation of the Polish-Lithuanian syncline does not exceed 3 km. Interesting results have been obtained from geophysical investigations conducted at

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ACC NR: AT6028378

the Kara Sea near the mouths of the Ob and Yenisey Rivers. The regional structure of the Jamal-Nazim depression and the Taimir foredeep has been defined, major platform structures have been located in the Mesozic strata, and the Taimir has been followed further out into the sea. Deep-seated structure of the Earth's crust has been investigated in the transitional zone between the Asian continent and the Pacific Ocean, and also at the Okhotsk Sea and in the area of the Kamchatka-Kurile ridge. It has been found that the Sakhalin Tertiary folding area extends under the waters of the Okhotsk Sea. Marine geophysical exploration in the USSR will be expanded. Orig. art. has: 7 figures.

SUB CODE: 08/ SUBM DATE: 06Jan65/ ORIG REF: 048

Card 3/3

KROLENKO, I.I.

Use of the loop method for the exploration of interred structures.  
Prikl. geofiz. no. 18:145-172 '58. (MIRA 11:5)  
(Prospecting—Geophysical methods)

FEDYNSKIY, V.V., otv. red.; POLSHKOV, M.K., zam. otv. red.,  
BORISOV, A.A., red.; NEVOLIN, N.V., red.; KROBATKO,  
I.I., red.; FEDORENKO, A.N., red.

[Geological results of applied geophysics] Geologicheskie rezul'taty prikladnoi geofiziki. Moskva, Nedra, 1965. 292 p. (Mezhdunarodnyi geologicheskii kongress. Doklady sovetskikh geologov. Problema 2)

(MIRA 18:5)

1. Natsional'nyy komitet geologov Sovetskogo Soyuzn.

SOV/137-58-12-24026

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 15 (USSR)

AUTHOR: Krolenko, M. S.

TITLE: Coke-oven and Blast-furnace Gas Quality Control (Kontrol' kachestva koksovogo i domennogo gazov)

PERIODICAL: V sb.: Sovershenstvovaniye tekhn. kontrolya koksokhim. proiz-va. Moscow, Metallurgizdat, 1958, pp 141-149

ABSTRACT: Data on the running of analyses of various gases (coke, blast-furnace, enriched coke, producer, and mixtures thereof) are presented. It is pointed out that in the majority of cases analyses are not automated and require a great deal of time. Descriptions are provided of the simplest kinds of equipment for taking samples and of absorbent liquids for various components. An instrument for the automatic displacement of gas from a burette to an absorption vessel, and vice versa, is described. The possibility of employing automatic gas analyzers and calorimeters is presented, and a new, more closely-spaced system of intervals between analyses is suggested.

Card 1/1

M. L.

KHUSID, S.Ye., inzh.; ZARZHITSKIY, Yu.A., inzh.; KULAKOV, A.M., inzh.;  
KARPOV, A.A., inzh.; KROLENKO, N.A., inzh.; Prinsipali uchastiye:  
ALIMOV, B.V.; LEONT'YEV, A.I.; BOLOBORODOV, N.M.; KARAGANOV, G.G.;  
GUR'YANOV, V.N.; OSOKIN, G.F.; KAYZER, V.G.; SOROKOLETOV, A.M.;  
ZLOBIN, V.K.; VIKTOROVA, T.Ye.; SEMENOV, V.A.; VODFNNIKOV, V.F.;  
SANAYEV, I.K.

Operating a four-zone holding furnace on natural gas with auto-  
matic control. Stal' 25 no.5:464-468 My '65.

(MIRA 18:6)

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