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Krakowie; kierownik: prof. dr. Julian Aleksandrowicz).  
Adres: Krakow, III Kl. Chor. Wewn. A.M. ul. Kopernika 17.  
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radioiodine (Pol))  
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(Lengyelország)

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What should be modernized in the obsolete factories before their  
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Description of results of experiments with bark dried and preserved by sulphonation. Necessity and possibility of building an extraction plant in Poland. Authenticated data of the quantity of tanning materials available in the country.

SO: Polish Technical Abstracts - No. 2, 1951

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The article gives full details of the research work carried out in order to determine the utility value of osier bark from species grown in Poland. Research was carried out with the bark of one-year shoots from two of the species most common in the country, i.e. *Salix viminalis* and *Salix americana*. The following data were determined: proportion of bark to wood, moisture content in the bark, quality and quantity of tanning material, optimum drying conditions, method of stripping the bark and conditions for obtaining tanning extracts. A draft of commercial standards for osier bark for tannage purposes has been drawn up. It was found that *Salix Viminalis* is much more valuable for the tanning industry than *Salix americana*.

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Krakowie Kierownik: dr med. J. Mostowski.  
(BLOOD PROTEINS) (BLOOD DONORS)

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Slevarenstvi 10 no.8:295-300 Ag '62.

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characteristics of Polish strains (Pol))

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narzad. ruchu ortop. Pol. 28 no.7:997-1005 '63

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(Kierownik: prof. dr. J. Oszacki) i z III Kliniki Chirurgicz-  
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K. J. ... ..  
Tanks

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On some aspects of our second Five-Year Plan. Term tud kozl  
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es Kozlekedesi Osztalyanak vezetője, Budapest

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"Experiments in Bakelizing Road Tars," (To be Contd.) P. (316a-316d)  
(DROGOWNICTWO, Vol. 8, No. 12, Dec. 1953. Warszawa, Poland)

SO; Monthly List of East European Accessions, (EEAL), LC, Vol. 4,  
No. 1, Jan. 1955 Uncl.

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Behaviour of a circular shaft lining affected by nonuniform heating or cooling of its inner and outer surface. Przegl gorn 17 no.12:628-631 '61.

S/137/62/000/061/017/237  
AD60/A101

AUTHORS: Mazáček, Jan, Žurek, František

TITLE: Dispersed elements in ore concentration

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 6, abstract 1044  
("Rudy", 1961, 2, no. 8, 288-291 (Chech., Russ., Germ. summary)

TEXT: The authors studied the location of certain rare and dispersed elements (In, Ge, Ga, Tl, Se, Te, Co, Bi, Cd) in Czechoslovak polymetallic sulfide ores and their course and distribution in various concentration products and wastes, and also in the metallurgical reduction of metal concentrates. The definition of the term "dispersed element" is given.

A. Shmeleva

[Abstracter's note: Complete translation]

Card 1/1

ZUREK, J.

The way of setting the fondation bed for the blast furnace No. 3 in the Lenin Metallurgic Plant. p. 38

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Lines of development of mechanization in sea fisheries.

p. 219 (Technika I Gospodarka Morska. Vol. 6, no. 8, Aug. 1956. Gdansk, Poland)

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"Research on the application of coal dust and offshore sand as material for pitch mixture." Biuletyn. p. 1c. (DROGOWNICTWO, Vol. 8, no. 6, June 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

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Organization of teaching in mining institutes in the Soviet Union. p. 283

Vol. 2, No. 11, Nov. 1954. RUDY. Praha.

SCURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 3, March 1956

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Multiple injuries. Polski przegl.chir. 26 no.11 Suppl.:56-59 1954.  
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Action of pendiomid in endarteritis obliterans. Przegl.lak.  
Krakow 11 no.8:247-250 1955.

1. Z II Kliniki Chirurgicznej A.M. w Krakowie. Kierownik: Prof.  
dr. K.Michejda.

(AUTONOMIC DRUGS, therapeutic use  
pendiomid in endarteritis obliterans)  
(ENDARTERITIS OBLITERANS, therapy,  
pendiomid)

ZUREK, W

"Endurance of wool yarn in the functions of textile parameters." p. 252  
(Przemysł Włókienniczy, Vol. 7, No. 11/12. Nov./Dec., 1953, Lodz)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 6, June.  
1954, Incl.

ZUREK, Witold

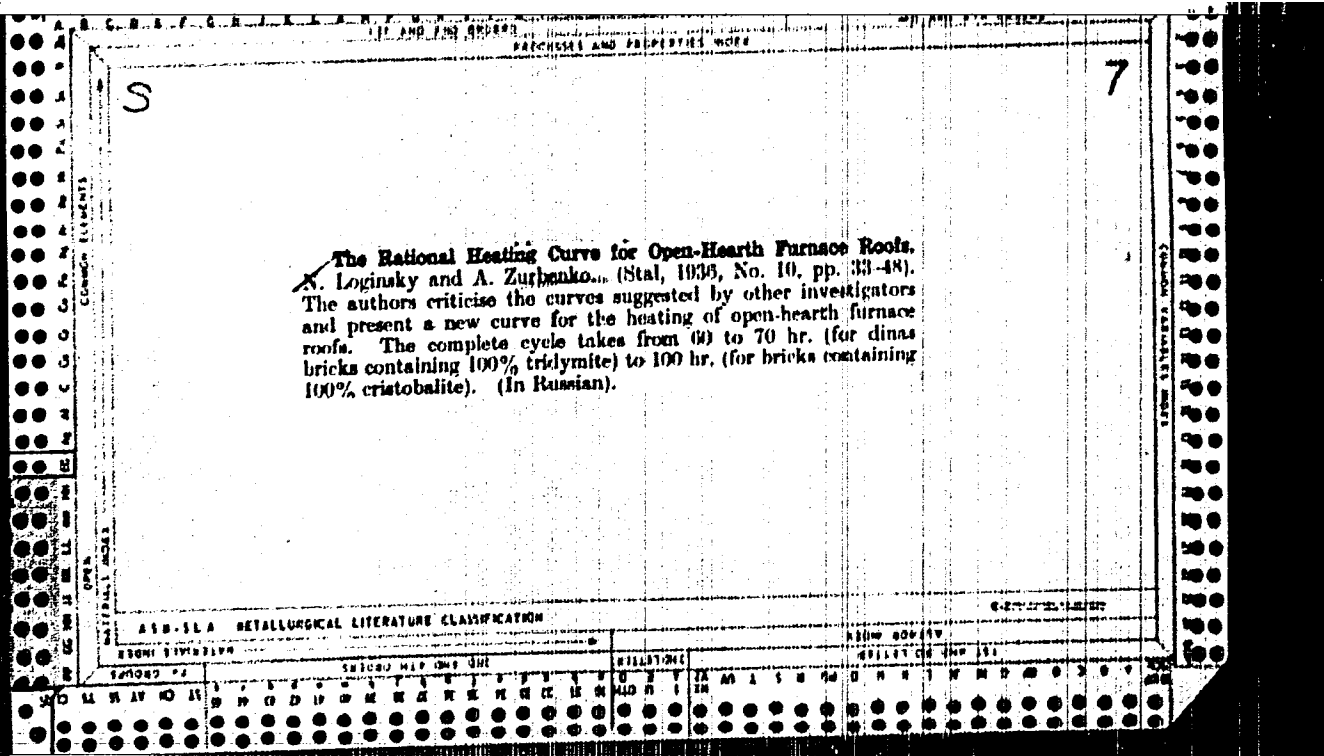
Relation between the number of fibers in a yarn cross section  
and the length of the fibers. Przegl włokien 17 no. 9:294-  
297 s '63.

1. Technical University, Lodz.

MARKOWA, Janina; ZUREK-GOMULKA, Wieslawa

Congenital bilateral dislocation of the head of the radius. Polski  
przegl. chir. 33 no.4:361-363 '61.

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dr K.Michejda [deceased].  
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Experimental construction with large blocks p. 569

INDUSTRIA CONSTRUCTILOR SI A MATERIALELOR DE CONSTRUCTII, Bucuresti, Vol 6, No. 11,  
Nov., 1955

SO: East European Accessions List (EEAL) Library of Congress, Vol 5, No. 7, July, 1956

Synthetic rubber "chloroprene" (chloroprene).  
 A. L. KLEBANSKI, L. G. KENSON, I. M. DOKOSKORNIK,  
 et al. (Bull. Acad. Sci. USSR, 1955, 149-156)

Low-temp. continuous polymerization of  $C_2H_3Cl$  in a slightly acid aq. solution of  $CuCl_2 \cdot 2NH_4Cl$  gives  $CH_2=CH-CH_2-Cl$  (I) in 75-80% yield (on the  $C_2H_3Cl$ ) and 25-30% of trimerides and higher polymerides of  $C_2H_3Cl$ . About 40% of the  $C_2H_3Cl$  is converted in a single passage of the gas. The continuous prep. of chloroprene from (I) and from mixtures of (I) and  $C_2H_4$  is described, and the conditions for converting the chloroprene into its  $\alpha$ -polymerides, with a min. formation of balata-like polymerides which harden, are defined. Ozonolysis of  $\alpha$ - and  $\mu$ -polymerides of chloroprene yields  $(-CH_2-CO_2H)_n$  in almost quant. amount;  $HNO_3$  gives  $(-CH_2-CO_2H)_n$  and  $H_2C=O$ . A new trimeride of  $C_2H_3Cl$ , acetylenetriene,  $CH_2=CH-C\equiv C-CH=CH_2$ , b.p. 30-32°/100 mm., gives  $CH_3$  when treated with  $MgMeI$ , forms a Cu derivative,  $C_3H_3Cu$ , and combines with  $HCl$  to form the compound.

$CH_2=CH-CH_2-CH=CH_2$ , b.p. 41-41°/25 mm., which polymerizes rapidly in air. A tetrameride of  $C_2H_3Cl$ , b.p. 44°/30 mm., 51°/30 mm., was obtained. Polymerization of the trimeride and higher polymerides of  $C_2H_3Cl$  yields, under some conditions, products useful in the prep. of artificial lacquers and varnishes.

The action of  $H_2O_2$ - $KOH$  on  $\beta\beta$ -dichloro- $\Delta^2$ -butene yields  $\beta$ -chloro- $\beta$ -ethoxy- $\Delta^2$ -butene, b.p. 143°/32-34°/40 mm.; the corresponding alcohol, b.p. 82°/50 mm., forms a ketalate. Di- $\gamma$ -chloro- $\Delta^2$ -butene ether has b.p. 143°/30 mm. The action of  $NaOCl$  on (I) gives  $\alpha$ -chloro- $\beta$ -vinylacetylene, which combines with  $HCl$  in presence of  $CuCl_2 \cdot 2NH_4Cl$  to give  $\alpha$ - $\beta$ -chloro- $\Delta^2$ -butadiene, b.p. 90-92°/40 mm. In presence of  $KOH$  at 150°, (I) combines with  $MeOH$  to give  $\beta$ -ethoxy- $\Delta^2$ -butadiene, b.p. 33°/27 mm., 47°/70 mm.; in absence of  $KOH$ , styrene is formed in large proportion. With  $KOH$  and  $H_2O$  at 150°, (I) gives  $\beta$ -ethoxy- $\Delta^2$ -butadiene, b.p. 113-4°, which yields  $H_2C=O$  and  $HCO_2H$  on oxidation with  $KMnO_4$  or  $O_3$  and  $Et, pr. -Et$  ether on hydrogenation. In presence of  $HgSO_4$  or of  $HgO + BF_3$ , (I) oxidizes with: (1)  $HCO_2H$  to give formopyrene (II).

ADR-114 METALLURGICAL LITERATURE CLASSIFICATION

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

$\text{CH}_2\text{CH}(\text{C}(\text{CHO})\text{OH})_2$ , b.p.  $45^\circ/40$  mm., which, like chloroform, spontaneously polymerizes in the air in 10 days, giving a rubber-like, plastic polymerizable with maleic anhydride; (II) condenses to give cyclo-Ascorbic acid; 2:3-dihydroxybutyric acid (III), m.p.  $161-163^\circ$  [containing, m.p.  $166^\circ$  (decomp.)]; (2)  $\text{AsOEt}$  to give [ascorbic acid] butadiene, b.p.  $61-62^\circ/25$  mm.; this condenses with maleic anhydride to form the unstable compound,  $\text{CO}_2\text{H}-\text{CH}=\text{CH}-\text{C}(\text{OH})_2-\text{CH}_2$ , which undergoes isomerization to (III). Hydrogenation of (I) in presence of colloidal Pd on starch in  $\text{KIOAc}$ , or Ni, yields butadiene. T. H. P.

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Seedling method of growing fodder beets in the northern non-chernozem belt., Korn. biza, 3,  
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Beets and Beet Sugar

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*297 Sept,*  
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"A-Thermal Investigation of One-Component Systems Formed by the Higher Monoacid Triglycerides," Acta Physic., No. 2, Vol. XXI, 1946. Acad. Sci. USSR, Kurnakov Inst. of Gen. (Inorg.) Chem., Moscow, c1945-1



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Dok 101, No. 1, 1946 Vol. XXI. Acad. of Sci., Kurnakov Inst. of Gen. Inorganic  
Chem., Lab. of Physico-Chemical Analysis of Organic Systems, Moscow. 1945-.

BC

Thermal investigation of one-component systems formed by the  
 higher monoacid triglycerides. II: G. Ravitsch and G. Zilbercy.  
*(Acta Physicochim. U.R.S.S., 1946, 51, 321-334; cf. A., 1948, I,*  
 306).—The phase transformations of trilaurin (I), tripalmitin (II),  
 tristearin (III), and tetraolein (IV) have been investigated by thermal  
 analysis between  $-60^{\circ}$  and  $30^{\circ}$ . The existence of three modifica-  
 tions was demonstrated in each case. M.p. in the order  $\beta/\alpha/\gamma$  are:  
 (I),  $44-5$ ,  $35-5^{\circ}$ ,  $14-20^{\circ}$ ; (II),  $67-5^{\circ}$ ,  $48-50^{\circ}$ ,  $45-48^{\circ}$ ; (III),  $99-5^{\circ}$ ,  
 $82^{\circ}$ ,  $48-5^{\circ}$  (the m.p. of the  $\alpha$  and  $\gamma$  phases are  $<$  those previously  
 recorded owing to the presence of some (II)); (IV),  $-10-5^{\circ}$ ,  $-27^{\circ}$  to  
 $-29^{\circ}$ ,  $-40^{\circ}$  to  $-44-5^{\circ}$ .  
 O. D. S.

ANALYTICAL LITERATURE CLASSIFICATION

BC

Thermal investigation of one-component systems formed by the higher monomers of acrylonitrile. E. G. Raviotch and G. K. Kuznetsov (*Acad. Physicochem. U.S.S.R.*, 1964, 40, 281-284; *cf. A.*, 1964, 1, 206).—The phase compositions of tributaria (I), tripalmitin (II), triolearia (III), and tetraolearia (IV) have been investigated by thermal analysis between  $-60^{\circ}$  and  $50^{\circ}$ . The existence of three modifications was demonstrated in each case. M.p. in the order  $\beta$ ,  $\alpha$ ,  $\gamma$  phase: (I),  $60-8$ ,  $29-6$ ,  $12-20^{\circ}$ ; (II),  $67-6$ ,  $46-50$ ,  $40-48$ ; (III),  $69-6$ ,  $41$ ,  $48-6$  (the m.p. of the  $\alpha$  and  $\gamma$  phases are  $<$  those previously recorded owing to the presence of some (IV)); (IV),  $-10-8$ ,  $-27$  to  $-20$ ,  $-40$  to  $-44-6$ .

O. D. S.

ASTM 504 - METALLURGICAL LITERATURE CLASSIFICATION

FIGURE 1 IN 22, 24

ZURKIN, HLADIL

Comparison of various systems of transportation in the south Moravian lignite mines. p. 335.

UHLE. (Ministerstvo paliv) Praha, Czechoslovakia,  
Vol. 1, no. 10, Oct. 1959.

Monthly List of East European Accession (EEAI), LC Vol. 9, no. 2,  
Feb. 1960.

Uncl.

ZURKOV, N.S.

AUTHOR: Not given PA - 2874  
TITLE: Dissertations (July-December 1956)  
Department of Technical Sciences (Otdeleniye tekhnicheskikh nauk,  
Russian)  
PERIODICAL: Vestnik Akademii Nauk SSSR, 1957, Vol 27, Nr 4, pp 132-133  
(U.S.S.R.)  
Received: 5 / 1957 Reviewed: 7 / 1957

ABSTRACT: The following dissertations were held at the Mining Institute:  
V.G.DERKACH: "On the Causes of the Process of Magnetic Enrichment  
of Weakly Magnetic Ores". In the course of this dissertation the  
mathematical dependences existing in connection with the character-  
istic features of the processes of magnetic separation were deter-  
mined.  
M.M.CHESNOKOV: "On the Investigation of Rational Methods for the  
Utilization of Granite Deposits for the Production of Piece  
Material".  
In the Institute for Complex Transport Problems:  
N.S.ZURKOV: "The Investigation of the Influence of the Proper  
Utilization of Transshipment- and Reloading Points".

Card 1/2

Dissertations (July-December 1956)

PA - 2874

At the Institute for Metallurgy:

S.M.ANDONIEV: "The Evaporating Cooling of Metallurgical Furnaces".

A.J.POLIAKOV: "The Physical-Chemical Rules governing the Production of Vanadium from Castings containing Vanadium".

ASSOCIATION: Not given

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress

Card 2/2

ZURKOV4P8E8

600

1. ZURKOV, P.E.

2. USSR (600)

Mining Engineer. Sverdlovsk Mining Institute. "The Cycle of Operations in the Cutting of Upward Mine Passages," Tsvet. Met., 14, No 1, 1939.

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TN275.282



ZURKOV, P. E.

PA 67T99

USSR/Mines and Mining  
Mining Methods  
Surveying

Jun 1948

"Effects of the Configuration of Deposits on the Mapping of Pits," Docent P. E. Zurkov, Cand Tech Sci, Magnitogorsk Mining-Metal Inst, 1½ pp

"Gor Zhur" No 6

Geometric form of deposits is very important in planning the operations of quarries. Hopes that this method of mapping quarry work so that it progresses in conformance with the geometry of the deposits will be used at open pit workings to increase the productivity of such enterprises.

LC

67T99

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24930 Zurkov, P. E. Perekhod Ot Otkrytykh Rabot K Podzemnyim Na Vysokogorakom  
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So: Letopis' No. 33, 1949

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The Committee on State Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for State Prizes for the years 1952 and 1953. (Izvestiya Kultura, Moscow, No. 22-23, 28 Feb - 3 Apr 1954)

| <u>Name</u>      | <u>Title of Work</u>                                 | <u>Nominated by</u>                                                  |
|------------------|------------------------------------------------------|----------------------------------------------------------------------|
| Zurkov, P.E.     | "The Working of Iron Ores<br>by the Open Pit Method" | Magnitogorsk Mining Metal-<br>lurgical Institute imeni<br>G.I. Nosov |
| Popov, S.I.      |                                                      |                                                                      |
| Golovin, G.M.    |                                                      |                                                                      |
| Karpov, A.F.     |                                                      |                                                                      |
| Nikol'skiy, N.A. |                                                      |                                                                      |
| Shitov, I.S.     |                                                      |                                                                      |
| Bulychev, V.V.   |                                                      |                                                                      |
| Ogiyevskiy, V.M. |                                                      |                                                                      |
| Treyvus, M.N.    |                                                      |                                                                      |
| Shtremt, A.A.    |                                                      |                                                                      |
| Trofimov, G.V.   |                                                      |                                                                      |
| Pushkarev, G.I.  |                                                      |                                                                      |
| Markman, N.Ye.   |                                                      |                                                                      |
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SO: 2-30004, 7 July 1954

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(MLA 6:8)

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BULYCHEV, V.V.; GOLOVIN, G.M.; ZURKOV, P.E.; KARPOV, A.F.; NIKOL'SKIY, N.A.; OGIEVSKIY, V.M.; POPOV, S.I.; TRINOV, M.N.; SHITOV, I.S.; SHTREKT, A.A.; ZURKOV, P.E., kandidat tekhnicheskikh nauk, redaktor; KOMPANNIYETS, V.P., kandidat tekhnicheskikh nauk, retsenzent; VAGANOV, P.V., kandidat tekhnicheskikh nauk, retsenzent; IKONNIKOV, A.N., kandidat tekhnicheskikh nauk, retsenzent; SAUKHAT, I.G., kandidat tekhnicheskikh nauk, retsenzent; NIKOLAYEV, S.I., retsenzent.

[Mining iron ore by the opencast method] Razrabotka zheleznykh rud otkrytym sposobom. Pod. obshchei red. P.E.Zurkova. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 632 p. (MIRA 7:8)  
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ZURKOV, P.E., dotsent, kandidat tekhnicheskikh nauk

~~Parameters for excavation of complex iron ores.~~ Gor. zhur. no.3:19-26

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(MLRA 8:7)

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RSFSR; BOROKHOVICH, A.I., kand. tekhn. nauk

Type and size of pumping stations for coal and ore mines.  
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TROFIMOV, Georgiy Vladimirovich, dokt.; POZYKHOV, Yuriy Nikolayevich,  
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MEL'NIKOV, N.V.; SLEDZYUK, P.Ye.; ZAV'YALOV, S.S.; BUHIN, A.I.;  
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VILESOV, G.I.; POPOV, S.I.; SANDRIGAYLO, N.F.; SHILIN, A.N.;  
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2. Nachal'nik otdela tekhniki bezopasnosti Yuzhno-Ural'skogo soveta narodnogo khozyaystva (for Yelenskiy).
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SPIVAKOVSKIY, Aleksandr Onisimovich; POTAPOV, Mikhail Gennadiyevich, kand. tekhn. nauk; ANDREYEV, Aleksey Vladimirovich, kand. tekhn. nauk; ZURKOV, P.E., prof., doktor tekhn. nauk, re-tsenzent; LYUBIMOV, N.G., otv. red.; IL'INSKAYA, G.M., tekhn. red.

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[Mining iron ore by the opencast method] Razrabotka zheleznykh rud otkrytym sposobom. Pod. obshchei red. P.E.Zurkova. Sverdlevsk. Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 632 p. (MIRA 7:8)  
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ZURKOV, P.E., doktor tekhn.nauk, prof.; POSOKHOV, Yu.N., kand.tekhn.nauk

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