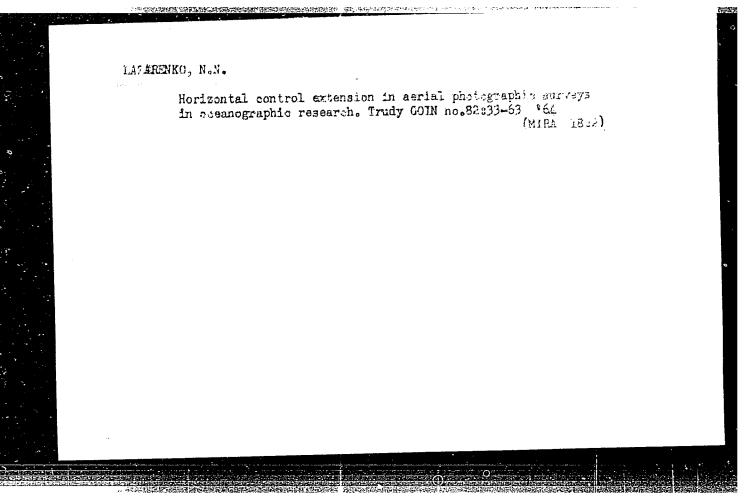
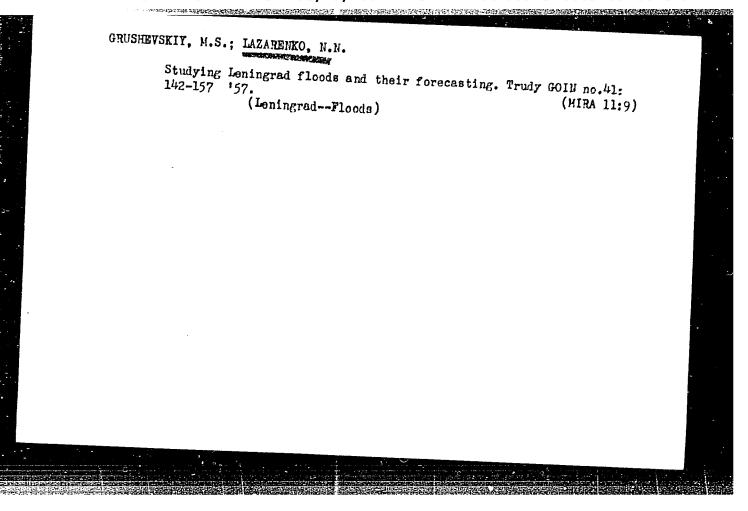
B/2634/64/000/082/0033/0063 ACCESSION NRt AT5005404 21 AUTHOR: Lazarenko, N. N. R+1 TITIE: Bunching of the planned base during vertical aer al surveying in oceanographi: investigations SOURCE: | Moscow. Gosudarstvennyy okeanograficheskiy institut. Trudy, no. 82, 1964, 33-63 TOPIC TAGS: aerial photography, photogrammetry, geodesy, aerial surveying, oceanography, pact ice, ice drift ABSTRACT: In an extensive article, the author derives formulas characterizing the accuracy of photographic surveying methods for bunching the planned base during serial surveying in oceanographic investigations, when the movement of its point is neglected. This analysis shows that ignoring this movement in regions with tides can lead to considerable inaccuracies in the determined rate and direction of drift. A method of bunching is then described which takes into account the movement of the points of the planned base. The accuracy of this method fulfulls the requirements of oceanography, while the time required is only slightly greater than that required for bunching an immobile base. Methods are Card 1/2

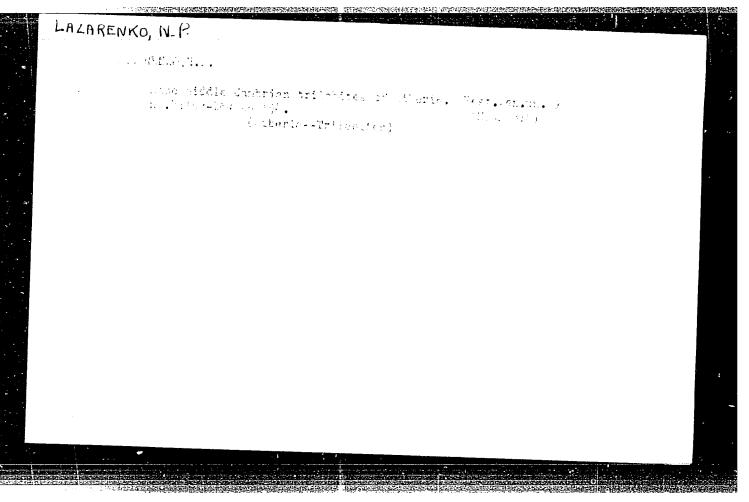
also proposed which enable the drift of ice for seas without tides to be calculated, under specific conditions, from the data of a single aerial mapping survey. In addition, the average drift speed of ice during the time between repeated aerial surveys or between the exposure of overlapping pairs of photos on a single aerial photography strip can be determined on seas with tides. Since the lack of uniformity in the movement of the points on free-floating ice complicates these calculations, various criteria for selecting ice floes are suggested which tend to reduce this nonuniformity. Orig. art. has: 71 formulas, 5 tables, and 5 figures. ASSOCIATION: Cosudarstvennyy okeanograficheskiy institut, Moscow (tate oceanographic institute)				
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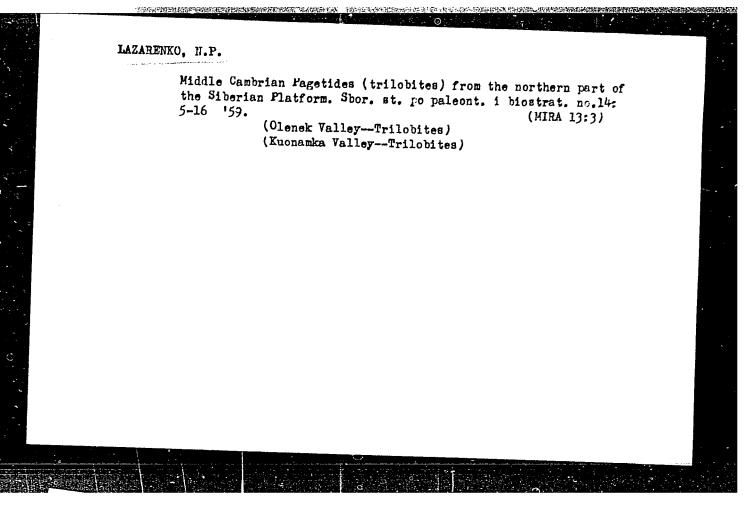


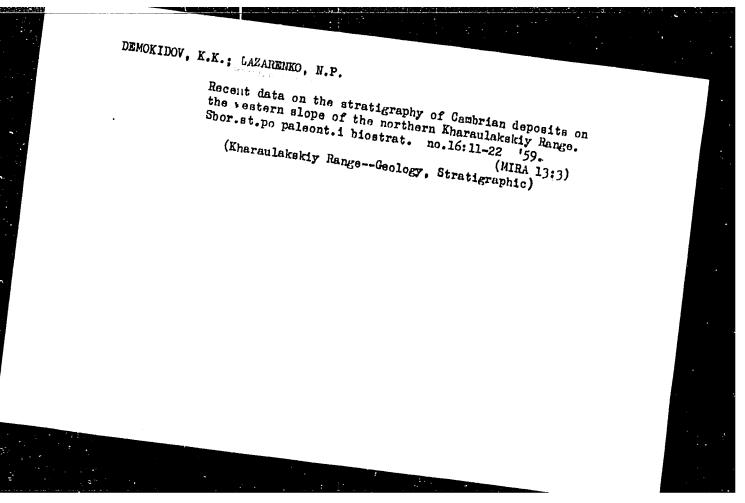


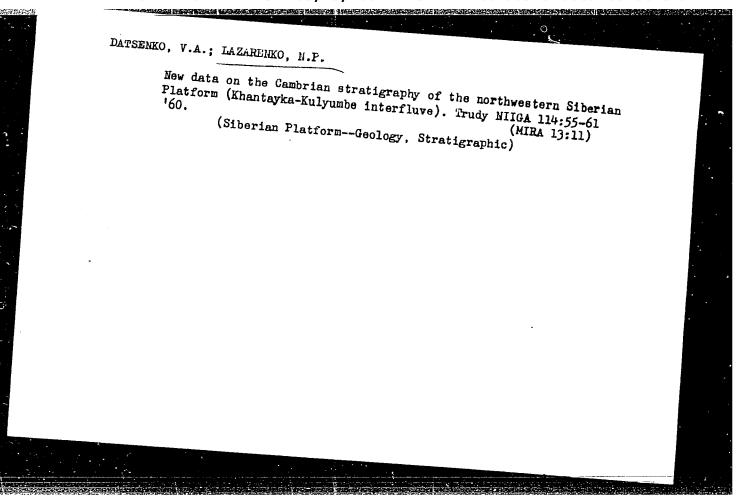
Thoughts on the principal problem. Zdorov'e 5 no.2:3-4
F '59. (MIRA 12:2)

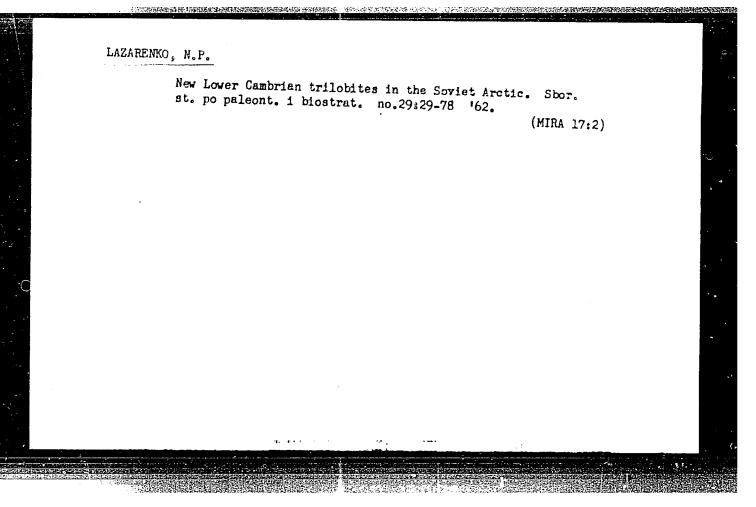
1. Direktor Nikitovskogo dolomitnogo kombinata.
(Nikitovke---Industrial hygiene)

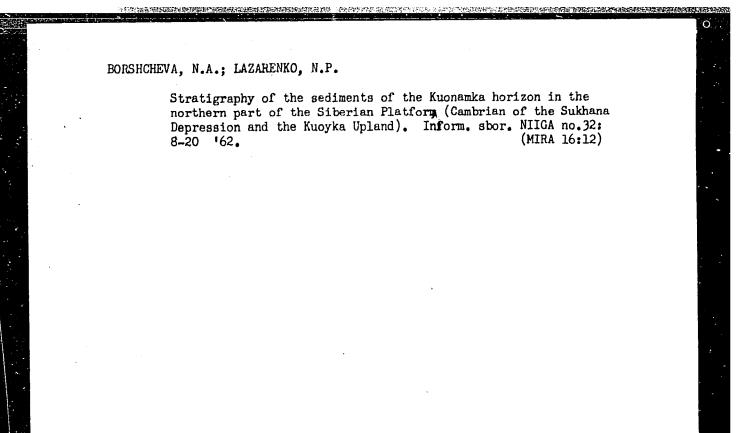








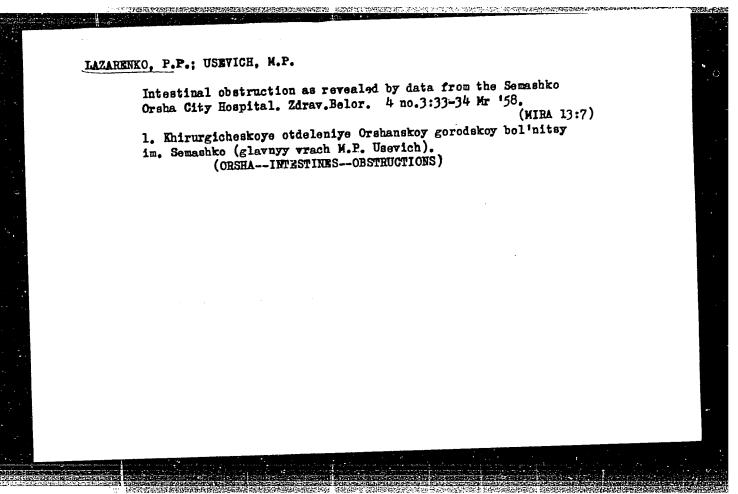


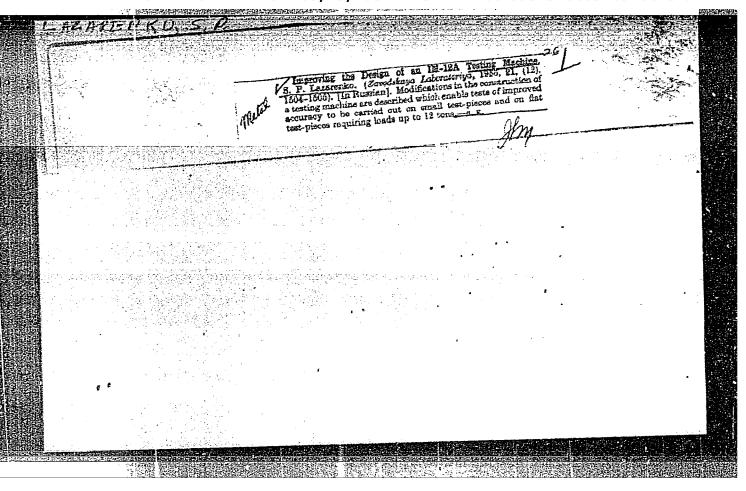


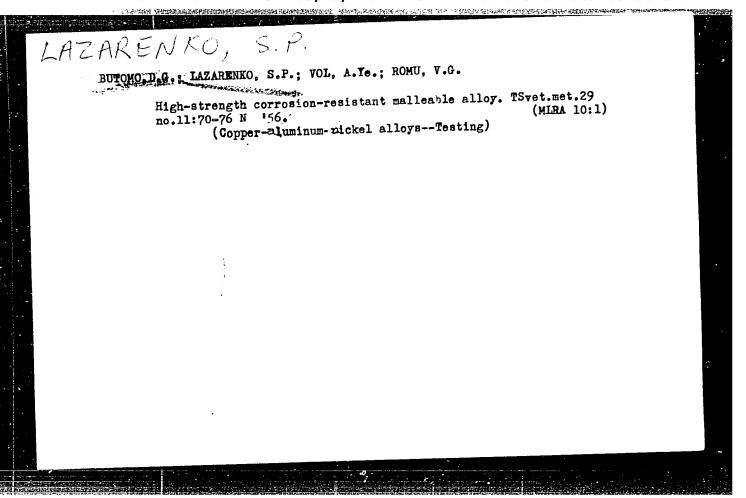
DEMOKIBOV, K.K.; TallaRENKO, N.P.; TKACHENKO, P.V., kand. geol.-mineral.nauk,

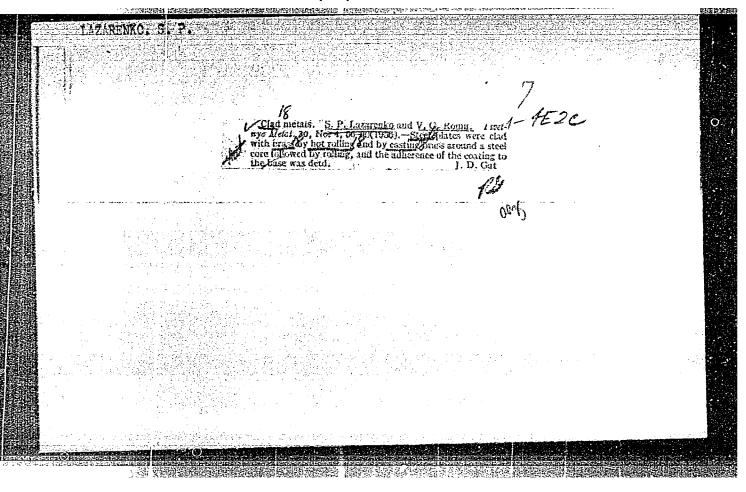
[Stratigraphy of the Upper Pre-Cembrian and Cembrian and the Lower Cambrian in trilobites in the north or part of central Siberia and the islands of the Soviet arbit.] Stratigrafila verkhnego dokenthala i kembria i nizhnekembriiskia t ilobiny severci chasti brita i kembrii i nizhnekembriiskia t ilobiny severci chasti Srednei Sibiri i catrorov Sovetskoi Arktiki. Maskve, Nedra, 1964.
286 p. (Jeningrad. Mouchne-Isaledovabellakii institut geologii Arktiki. Trudy, no.137)

The "Ordzhonikidze" Collective Farm is being built. Sil' bud. 9 no.8:19 Ag '59. (MIRA 12:12) 1.Starshiy inzhener upravleniya stroitel'stva Sumskogo oblastnogo upravleniya sel'skogo khozyaystva. (Sumy Frovince--Farm buildings)









AUTHOR: Lazarenko, S.P. and Romu, V.G.

- THE STATE OF THE SECOND PROPERTY WHEN THE PROPERTY OF THE PR

136-4-12/23

TITIE: Clad Metals. (O Plakirovannykh Metallakh).

PERIODICAL: "Tsvetnye Metally" (Non-ferrous Metals) 1957, No.4, pp. 56 - 60 (U.S.S.R.)

ABSTRACT: After a brief account of the uses of bimetallic sheets and strip the authors describe two methods of producing clad steel. One method is for welding copper billets to steel billets followed by hot rolling; in the other earth moulds with a steel core are filled with brass, this being also followed by hot rolling. The first, after testing by backwards and forwards bending to fracture and bending to 180° round a bar two sheet-thicknesses in diameter, and tensile testing were found to give good results indicating good adhesion between the copper and steel. Strips produced by the second method showed no separation between brass and steel when tested by no cracks were observed and special tests showed that a stress of 10-20 kg/mm was required to cause separation. It was shown reductions should be used in the first passes. Some recommentations are given on selecting the method of cladding for different sizes of strip or sheet and thickness of the cladding.

Card 1/2

Clad Metals. (Cont.)

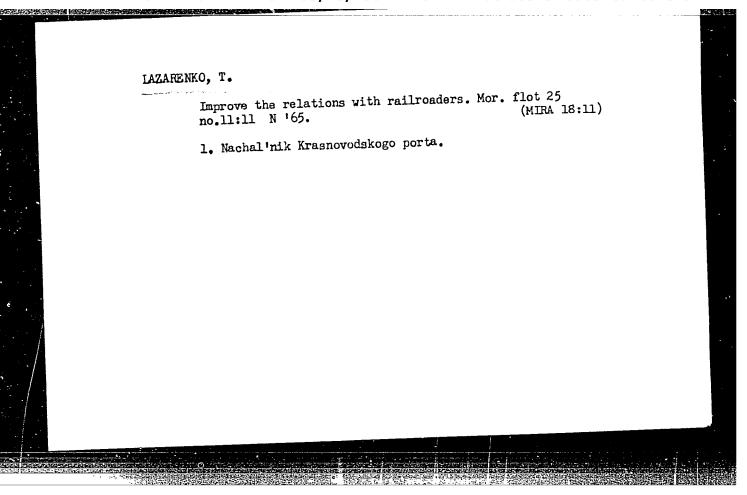
There are 12 references, of which 5 are Slavic. 3 figures.

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Card 2/2

法以外的人的证明证据的 网络索里哈拉斯 40% (10) 14.000 ZARENKO, Si P. AUTHORS: Eutomo, D.G., Lazarenko, S.P. and Romu, V.G. Production of copper with a low oxygen content. (Poluchen-TITLE: iye medi s nizkim soderzhaniyem kisloroda). PERIODICAL: "Tsvetnyve Metally", 1957, No.7, pp.70-75 (USSR). ABSTRACT: The present article is based on material obtained by the Central Research Institute of the Ministry of Shipbuilding of the USSR together with the "Krasnyy Vyborzhets" works on the production of copper with an oxygen content <0.01%. Copper with such low oxygen contents is not affected adversely by annealing in a reducing atmosphere and can be welded satisfactorily. It was found that contamination of copper with oxygen during the pouring of ingots (the principal contamination-stage) could be avoided with type M3C copper by using vertical, flat, cast-iron ingot moulds without water cooling. Comparative tests were made with this type of mould and also water-cooled moulds with internal dimensions 123 x 670 x 850 mm and 206 x 735 x 1000 mm. In addition to the investigation of the structures and properties of the ingots, their rolling into sheets and the welding of these latter with various electrodes were studied for types M3C and M3 of copper. Welded joints in 1/2 M3C copper were superior to those in M3.

136-7-13/22
2/2 Production of copper with a low oxygen content. (Cont.)
There are 3 figures and 2 tables.
AVAILABLE: Library of Congress

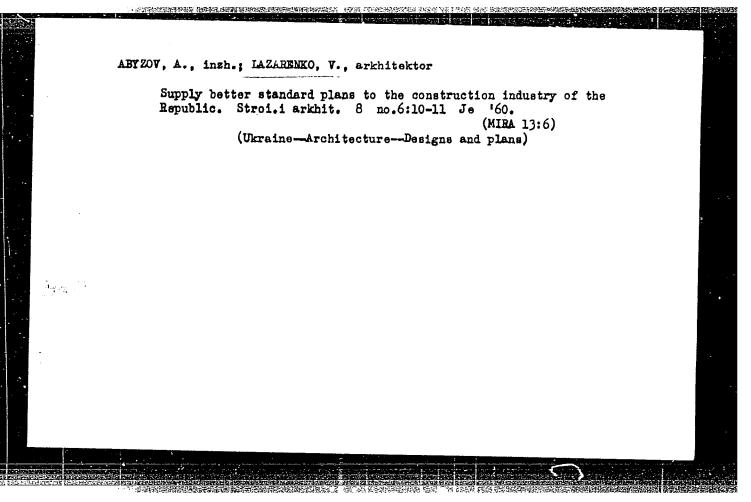


RUDOY, Yevgeniy Fedorovich; LAZARENKO, Timofey Illarionovich; MAKSIMOV,
I.S., red.; PONOMAREYA, A.A., tekhn.red.

[Expansion of transportation and communications in the U.S.S.R.
during the period from 1959 to 1965] Razvitie transporta i
sviazi v SSSR, 1959-1965. Moskva, Gosplanizdat, 1960. 115 p.

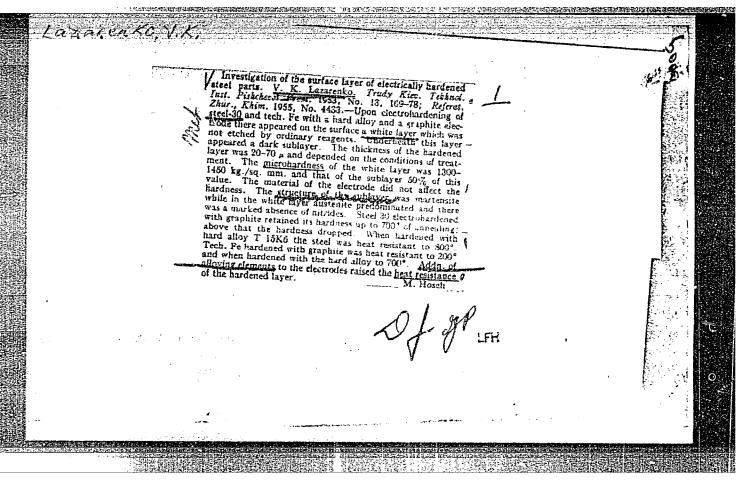
(MIRA 13:5)

(Communication and traffic)



KASPIN, L.A.; LAZARENKO, V.I.; KHARITONOV, G.A.; TUROVSKIY, B., redaktor; GARSHANOV, A., redaktor.

[Technical and economic characteristics of few-storied dwellings]
Tekhniko-ekonomicheskie kharakteristiki maloetashnykh shilykh domov.
Kiev. Isd-vo Akademii arkhitektury Ukr. SSR, 1952. 142 p. (MLRA 7:1)
(Dwellings)



SOV/137-58-10-21608

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 164 (USSR)

AUTHOR: Lazarenko, V.K.

TITLE: An Investigation of Wear Resistance of Steels Subjected to

Abrasive Wear (Issledovaniye iznosostoykosti staley pri abra-

zivnom iznashivanii)

PERIODICAL: Tr. Kiyevsk. tekhnol. in-ta pishch. prom-sti, 1957, Nr 7,

pp 187-192

ABSTRACT: The author examines the results of an investigation on

abrasive wear (W) in various types of tool and structural steels. The tests were carried out on a machine of the KE-3 type. After heat treatment, specimens 11.3x30 mm in diameter were carefully ground and honed in so as to ensure a stable microgeometry of the initial surface. A cone-shaped tip with an apex angle of 1200 and a tip radius of 0.2 mm, taken from a VK6 unit, served as the abrasion tool. The experiments were carried out at a constant sliding velocity of 0.2 m/min with tool pressures P of 1.5 and 2 kg. The depth of microgrooves left on

the friction surface served as the criterion of W. It was estab-

Card 1/2 lished that the wear resistance (WR) of various steels

SOV/137-58-10-21608

An Investigation of Wear Resistance of Steels Subjected to Abrasive Wear

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subjected to abrasive W is a function of their hardness. Best WR properties are exhibited by high-alloyed tool steels and carburized structural steels. The WR of heat-treated carbon tool steels is somewhat lower. Lowest WR is observed in structural steels which have been heat-treated to reduce their hardness. It was established that the relative WR of steel 45 subjected to abrasive wear is almost directly proportional to its hardness. It is assumed that an analogous relationship exists for other types of carbon steels as well. It was also established that the increase in the degree of W in various steels is directly proportional to the increase in the load imposed upon the friction couple.

1. Steel--Mechanical properties 2. Steel--Test methods 3. Friction --Physical effects 4. Abrasion---Analysis

Card 2/2

CIA-RDP86-00513R000928910013-8 "APPROVED FOR RELEASE: 03/13/2001

SOV/137-58-10-21609

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 165 (USSR)

Lazarenko, V.K. AUTHOR:

An Investigation of Wear-resistance of Steels at Various Slid-TITLE:

ing Velocities (Issledovaniye iznosostoykosti staley pri raz-

lichnykh skorostyakh skol'zheniya)

Tr. Kiyevsk. tekhnol. in-ta pishch. prom-sti, 1957, Nr 17, PERIODICAL:

pp 193-201

Comparative wear-resistance (WR) tests involving various ABSTRACT:

sliding velocities were carried out on heat-treated 5x35 mm specimens of tool and structural steels (21 different types) under frictional conditions producing wear (W) due to type-1 seizing, thermal W, and W oxidation. A friction machine was employed by means of which W was induced in the specimens by pressing their faces against a rotating standardized disk made of steel ShKh15 with a hardness of 63-64 RC. Wear diagrams which have been plotted indicate that wear oxidation is the primary cause of W in ultra-hard steels, whereas seizing of type

l is of secondary importance. In the case of structural steels

which have been heat-treated to reduce their hardness, type-1 Card 1/2

SOV/137-58-10-21609

An Investigation of Wear-resistance of Steels at Various Sliding Velocities

seizing becomes the leading cause of W. As the sliding velocity is increased up to 1.5 m/sec, only W oxidation takes place. At a velocity of 5 m/sec, thermal W occurs in most types of steel. The WR is at a maximum during oxidation W: It is 3 to 5 times greater than the WR during W due to type-1 seizing, and 50 to 120 times greater than the WR in the presence of thermal W. The greatest WR is observed in high-speed steels, whereas high-alloyed tool steels and carburized structural steels possess somewhat lower WR properties. Steels possessing high thermal stability and good heat-resistant properties exhibit maximum WR under thermal W, the effect of initial mechanical properties of the steel having no significant effect. By improving heat-treatment procedures and chemical composition of the steel it is possible to prevent undesirable forms of W and effect a transition to W oxidation which ensures a maximum degree of WR of the steel.

I.G.

1. Steel—Mechanical properties 2. Steel—Test methods 3. Friction—Physical effects 4. Abrasion—Analysis

Card 2/2

CIA-RDP86-00513R000928910013-8 "APPROVED FOR RELEASE: 03/13/2001

SOV/137-58-10-21607

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Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 164(USSR)

AUTHOR: Lazarenko, V.K.

TITLE: An Investigation of Wear Resistance of Various Types of Steel

Subjected to Pockmark Pitting (Issledovaniye iznosostovkosti

staley pri ospovidnom iznashivanii)

PERIODICAL: Tr. Kiyevsk. tekhnol. in-ta pishch. prom-sti, 1957, Nr 17,

pp 203-210

ABSTRACT: In order to obtain comparative data on resistance to pock-

mark pitting wear (PW) of various types of steel, tests were conducted on specimens of ten different types of structural steel employed in the manufacture of gear transmissions and rolling-contact bearings. After heat treatment, specimens with dimensions of 10/8x12x25 mm were tested in a friction machine in which PW was effected by rolling small balls with a constant velocity of 2 m/sec over the surface of specimens being tested for a period of one hour (100,000 cycles). The value of the reciprocal of the dimension of a groove thus produced is a criterion of the PW resistance of the steel. It was

Card 1/2 established that maximum wear resistance is exhibited by

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SOV/137-58-10-21607

Market of the Set of the Second Control of t

An Investigation of Wear-resistance of Various Types of Steel (cont.)

carburized structural alloy steels; the wear resistance is lower in the case of steels which have been heat-treated in order to reduce their hardness, and is minimal in normalized carbon steels. The rate of PW increases with increasing load.

I.G.

1. Steel--Mechanical properties 2. Steel--Test methods

Card 2/2

IAZARENKO, V. K.: Master Tech Sci (diss) -- "Investigation of the wear-resistance of steels". Kiev, 1959. 16 pp (Kiev Inst of the Civil Air Fleet), 200 copies (KL, No 18, 1959, 125)

PHASE I BOOK EXPLOITATION

BOV/4197

Lazarenko, Vitaliy Kirillovich, and Georgiy Aleksandrovich Preys

Iznosostoykost' metallov (Wear Resistance of Metals) Moscow, Mashgiz, 1960. 217 p. Errata slip inserted. 4,000 copies printed.

Reviewer: D.A. Draygor, Doctor of Technical Sciences; Ed.: P.Ya. Furer; Chief Ed. (Southern Division, Mashgiz): V.K. Serdyuk, Engineer.

FURPOSE: This book is intended for technical personnel and scientific workers.

COVERAGE: The book deals with basic principles of wear of machine materials and methods of thermal and mechanical wear-prevention processing of steel. Data obtained by comparative experiments on wear of machine materials are discussed. Attention is given to the phenomenon of friction without lubrication, in which properties connected with the wear resistance of materials can be detected and in which processes occurring in the surface layer of steel are intensified. The following persons assisted the suthors: V.N. Nelidov, I.V. Lavruk, B.M. Zinko, P.F. Pavlik, and R.V. Iskrovskaya. Chapters I to IX were written by G.A. Preys and V.K. Lazarenko, and Chapters X to XIII by G.A. Preys.

Card 1/3

ar Resistance of Metals	7/4197	
There are 138 references: 121 Soviet, 13 English, 3 German, 8	es: 121 Soviet, 13 English, 3 German, and 1 Swedish.	
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reword	_	
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. II. Investigation Methods	23	
1. III. Basic Mechanism of Wear of Steel in Sliding Friction	31	
 IV. Scuffing of Steels With Particles of Ferrous and Nonferr Metals 	ous 43	
n. V. Wear Resistance of Steel in Conditions of Friction With Scuffing of the First Order	69	
h. VI. Wear Resistance of Steel Subjected to Oxidation Wear	78	
h. VII. Wear Resistance of Steel in Conditions of Friction Wi- Scuffing of the Second Order (Thermal Wear)	th 90	
ard 2/3		

Wear Resistance of Metals 80V/4197		
Th. VIII. Wear Resistance of Steel Subjected to Abrasion	103	
h. IX. Wear Resistance of Constructional Steel Subjected to Pitting	118	
h. X. Influence of Surface-Hardening on Wear Resistance of Steel	121	
Ch. XI. Wear Resistance of Electrolytic Surface Coatings	142	
	185	·
Ch. XII. Wear Resistance of Cast Iron	193	
Ch. XIII. Wear Resistance of Bronze and High-Strength Cast Iron	212	
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....31215 s/123/61/000/020/001/035 A004/A101

AUTHOR:

Lazarenko, V. K.

TITLE:

Investigating the galling process of metals during their contact

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 20, 1961, 9-10, abstract 20A60 ("Tr. Kiyevsk. tekhnol. in-ta pishch. prom-sti",

1960, no. 22, 141-146)

Comparative investigations have been carried out on the galling of TEXT: 96 different friction couples of various steel grades being in contact with steel, cast iron, bronze and babbitt. The specimens were tested after different heat treatment on the KE-1 (KYe-1) friction machine at a constant sliding speed V = 0.6 m/min and varying specific pressures P = 10 - 1,075 kg/cm². Based on 10,000 tests curves were plotted of the dependency of friction coefficient μ on the P value for 96 metal couples. At dry friction of various steel grades on steel $\mu = 0.12 - 0.74$; during friction on cast iron $\mu = 0.15 - 0.56$. The following peculiarities of the galling process were made apparent: The galling of metals during friction is taking place as a result of a joint plastic deformation of clean surfaces being in contact, the origination of metallic bonds in the contact

Card 1/2

CIA-RDP86-00513R000928910013-8" APPROVED FOR RELEASE: 03/13/2001

31215 S/123/61/000/020/001/035 A004/A101

Investigating the galling process ...

spots and the formation of cold welding seats. The tendency to galling grows with reduced $6_{\rm b}$, $6_{\rm s}$, and HB values and increased 6 and $A_{\rm H}$. Soft structural carbon steels show the maximum ability to galling, while high-strength tool and alloy-steels have a minimum tendency to galling. The tendency to galling of structural and tool steels in pairs with nonferrous metals practically does not depend on the mechanical properties of the steels. Value μ of steels on different metal alloys is a variable depending on P, while μ of steels on ferrous metal alloys grows under conditions of joint plastic deformation with increasing HB, $6_{\rm b}$ and $6_{\rm s}$ and decreasing $A_{\rm H}$ and $6_{\rm c}$. Value μ of the same steels on nonferrous metals practically does not depend on the mechanical properties.

L. Rapoport

[Abstracter's note: Complete translation]

Card 2/2

L 24782-66 EWT(1)/EWA(h)

ACC NR: AP6007836

SOURCE CODE: UR/0120/66/000/001/0192/0193

AUTHOR: Bryukhanov, A. S.; Grib, V. H.; Lazarenko, V. N.

30 B

ORG: Electron Microscope and Electronic Automation Plant, Sumy (Zavod elektronnykh mikroskopov i elektroavtomatiki)

TITLE: A high-voltage square pulse generator with 75 kv output isolation

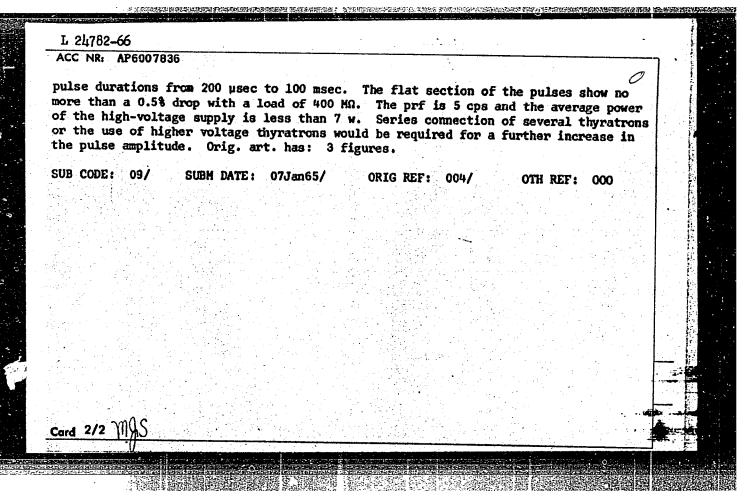
SOURCE: Pribory i tekhnika eksperimenta, no. 1, 1966, 192-193

TOPIC TAGS: pulse generator, pulse shaper, thyratron, cathode follower

ABSTRACT: The authors recommend changes in the circuit of the high voltage pulse generator described in previous articles (V. A. Zamkov, PTE, 1957, No 3, 73; G. A. Martynoy, PTE, 1959, No 5, 139; K. G. Finogenov, PTE, 1963, No 4, 184) to increase the output pulse with 75 kv output isolation. The generator is based on TGI1-90/8 thyratrons. The parasitic induction level may be reduced by shunting the grid circuits with a large capacitor and using a low-impedance cathode-follower output based on four 6ZhllP tubes. The proposed modifications give an output pulse amplitude of up to 15 kv. The operation of the generator is described. Output isolation is achieved by using pulse transformers to separate the input circuits and power transformers on the supply side. The high voltage sections of the transformers are separated by at least 10 mm of insulation. The pulse amplitudes may be controlled from 2 to 15 kv with

Card 1/2

UDC: 621.373



MARTYNOV, L.S., prof. doktor. tekhn. nauk; RATNER, G.S.; LAZARENKO, V.M., kand. tekhn. nauk, dotsent; LINSKIY, V.V.; DALIDOVICH, A.S., prof., doktor tekhn. nauk

1.455 1850年 斯拉拉尼巴巴斯的亚加拉拉克西州巴拉加州 化拉斯托克斯安地雷拉 人名马克德尔

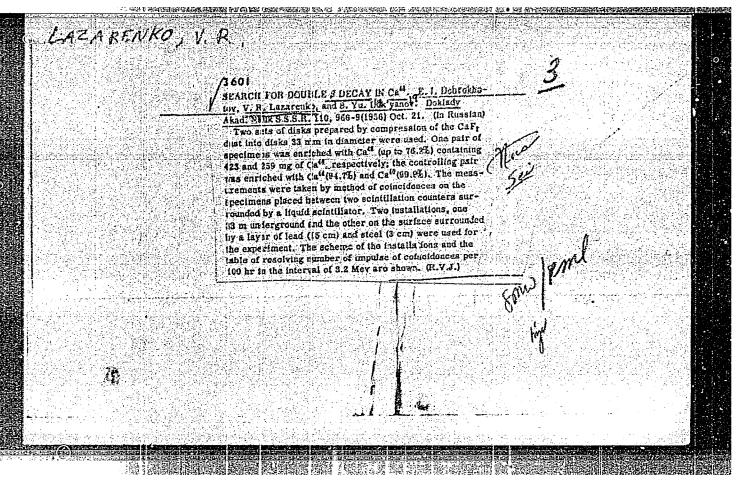
Problems in the analysis of the process of loop formation.
Tekst. prom. 25 no.4:72-81 Ap '65. (MIRA 18:5)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti imeni S.M. Kirova (for Martynov). 2. Glavnyy inzh. trikotazhnoy fabriki "Krasnoye znamya" Soveta narodnogo khozyaystva Leningradskogo ekonomicheskogo rayona (for Ratner). 3. Leningradskiy institut tekstil'noy i legkoy promyshlennosti imeni S.M. Kirova (for Lazarenko). 4. Vedushchiy konstruktor Spetsial'nogo konstruktorskogo byuro trikotazhnykh mashin (for Linskiy). 5. Moskovskiy tekstil'nyy institut (for Dalidovich).

LAZARENKO, V.M. kand.tekhn.nauk

Selecting the size of yarn packages for knitting machines. Izv.vys. ucheb.zav.; tekh.leg.prom. no.3:132-139 '61. (MIRA 14:7)

1. Leningradskiy tekstil'nyy institut imeni S.M.Kirova. Rekomendovana kafedroy tekhnologii trikotazhnogo proizvodstva. (Knitting machines)



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AĆĊ	9396-66 ENT(m)/ENP(t)/ENP(b) DIAAP IJP(c) JD NR: AP5024693 SOURCE CODE: UR/0056/65/049/003/0751/0	754
AUTI	R: Iazarenko, V. R.; Luk'yanov, S. Yu.	30
ORG:	none	R
TITI	: Attempts to detect double Beta decay in Ca48	
SOUR 751-	E: Zhurnal eksperimental'noy i teoreticheskoy říziki, v. 49, no. 3, 1965,	9
TOPI	TAGS: Beta decay, calcium, photoelectron, neutrino	
ABST expe	ACT: The described experimental search for double 8 decay in Ca48 supersedes	an
much	larger, containing 3 8 more as a containing the same, but the sample used is	
appar	atus and the procedure can be see photoelectrons from the larger sample. T	he l
years	for two-neutring decay. Authors then the p decay is neutrinoless and 3 x	10 ¹⁸
Lazar	ev and L. G. Tokareva for discribing for constant interest, and Ye. I.	
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CIA-RDP86-00513R000928910013-8 "APPROVED FOR RELEASE: 03/13/2001

Dobrokhotov, Ye. I., Lazarenko, V. R., 50V/56-36-1-12/62 21(8) AUTHORS: Luk'yanov, S. Yu.

The Search for the Double /3-Decay in Ca48 (Poiski dvoynogo TITLE:

/3-raspada v Ca48)

Zhurnal eksperimental noy i teoreticheskoy fiziki, 1959, PERIODICAL:

Vol 36, Nr 1, pp 76-87 (USSR)

In the introduction, the results obtained by publications by other authors, which concerned this subject, (Refs 1-6) are ABSTRACT:

discussed. For their investigations the authors used a sample enriched up to 72.2 % with Ca⁴⁸, which contained 423 mg Ca⁴⁸; enriched up to 72.2 % with Ca⁴⁸ which ca⁴⁴ up to 94.7 %. Both the control sample was enriched with Ca⁴⁴ up to 94.7 %. samples consisted of calcium fluoride powder pressed into thin discs (diameter: 37 mm); the discs were covered by aluminum foils (30 μ) and were set in aluminum rings. The impurities in the samples amounted to less than 0.02 %. The measuring arrange-

ment and the electronic device are described in detail by a schematical drawing and a block scheme, and so are the gauging of the scintillation counters, between which the sam-

ples were alternatingly located (Fig 1). Energy-gauging was carried out by means of the conversion lines of Ba137 (Q625 MeV).

Card 1/3

CIA-RDP86-00513R000928910013-8" APPROVED FOR RELEASE: 03/13/2001

The Search for the Double β -Decay in Ca 48

507/56-36-1-12/62

Furthermore, the control tests and, finally, measurements themselves were discussed. The latter were carried out in two series from December 1956 to January 1957, and from July to August 1957. The energy interval within which the search for double /3-decays was carried out depends on the decay energy and on the electron energy losses in the sample. The decay energy for Ca48 is known from mass-spectroscopic measurements (Ref 14) as amounting to (4.3 ± 0.1) MeV. The errors occurring in investigations are estimated as amounting to 1) +5.6 % as a result of amplitude scattering (straggling, spread) by each scintillation counter, 2) ± 3 % as a result of errors in counter energy calibration, 3) ± 1.5 % because of instability of intensification, 4) ± 1.5 % as a result of errors committed when measuring the film. The spectra of total electron energy was analyzed in the domain 3.0-4.4 MeV. In the course of 730 hours 11 cases of coincidence were recorded in this interval if the sample enriched with Ca^{48} was between the counters, 12 cases of coincidence at Ca^{44} . The difference " Ca^{48} = Ca^{44} " is therefore $(-1\pm4.8)/730$ imp/h, i.e. $(-0.14\pm0.66)/100$ imp/h $(=\Delta n)$. The half-life is determined from the formula

Card 2/3

The Search for the Double β -Decay in Ca⁴⁸ SOV/56-36-1-12/62

 $\tau=\ln 2\frac{N_0}{A}\frac{\mathrm{km}\eta}{\Delta n}$, where m denotes the materialing of which the samples are made, A - the mass number, N_0 - Avogadro's Number, k and η - coefficients. $\tau=(0.9/\Delta n).10^{19}\mathrm{a}$, i.e. one obtains $\tau_{\mathrm{Ca}^{\mathrm{AS}}} \cong 0.7.10^{19}\mathrm{a}$. The following results were obtained by previous investigations carried out with scintillation counters: McCarthy (Mak-Karti) (Ref 16): 1.1.10¹⁷a (1955) The authors in a previous paper (Ref 13):>1.10¹⁸a (1956) Awshalom(Avshalom)(Ref 17): $\simeq 2.10^{18}\mathrm{a}$ (1956) The authors finally thank I. S. Shapiro for discussions, I. V. Galkin for establishing the electronic plant, and K. S. Mikhaylov for preparing the scintillators. There are 11 figures, 2 tables, and 17 references, 10 of which are Soviet.

SUBMITTED:

September 6, 1958

Card 3/3

LAZARENKO, V. V.

: USSR/Engineering Subject

AID P - 1782

Card 1/1 Pub. 78 - 20/26

Author : Lazarenko, V. V.

Title Method of calculation of pipe-lines for pumping viscous

oils with preheating

Periodical: Neft. khoz., v.33, no.3, 80-84, Mr 1955

: A graphical method is suggested for the calculation Abstract

of the amount of preheating necessary for pumping oils

of different viscosities for different distances.

Institution: None

Submitted: No date

26882

8/081/61/000/013/022/028 B117/B203

15.9300

Degteva, T. G., Nosov, Yu. A., Lazarenko, Ya. F., Fedorova,

V. G., Kuz'minskiy, A. S.

TITLE:

AUTHORS:

Aging of rubber packings in oil

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 13, 1961, 653, abstract 13\(\text{Tr. N.-i. in-ta rezin_{\pi} prom-sti, sb. 6, 1960, 69-83}\)

TEXT: The authors developed a quick method of estimating the service life of CKH-18 (SKN-18) packing rings in oil at ~20°C. Tests were made in special imitators simulating the packings of machines. Rubber rings originally compressed to 10-30% aged between 60 and 80°C. Deformation and radial compression were periodically measured. A contact pressure of 2.5 kg/cm² is sufficient to make the packing completely tight at 20°C. In this connection, $\sim 100\%$ of the permanent elongation (E) is accumulated, and the stress nearly vanishes. After finding the kinetic curves for the accumulation of &, the authors determined the apparent activation energy

Card 1/2

Aging of rubber packings in oil

B117/B203

of aging and the service life of packings in joints at 25°C, the latter being about-10 years (considering the correction factor). The service life was practically calculated for £80%. For packings operating at -60°C, the critical value of the contact pressure required for a perfect seal rose from 7.5 up to 13 kg/cm². Leakiness is related with the loss in elastic properties of the rubber. [Abstracter's note: Complete translation.]

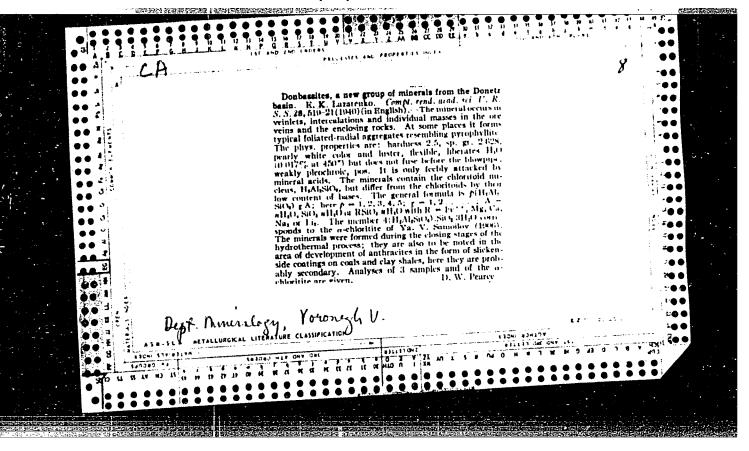
Card 2/2

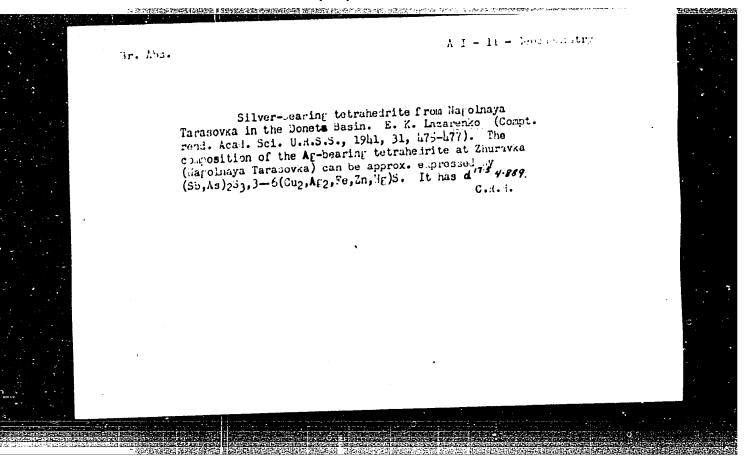
SOKOLOVA, Ye.I.[deceased]; BRAYNZAROVA, G.T.; BOCHANOVA, N.S.;
ZHIKHAREVA, V.I.; ZAKUMBAYEV, A.K.; ISAYEVA, M.G.;
IMAMBAYEVA, U.A.; KRIVOSHETEV, Yu.O.; KUDAYBERGETOV,
Zh.D.; RAKHMETCHIN, S.; TYUTUKOV, F.M.; SHIM, P.S.;
LAZARENKO, Ye.I.; GARANKINA, A.I.; D'YACHENKO, R.;
PETOKNOV, R.T.. kand. tekhn. nauk, nauchn. red.;
SHUPLOVA, M.A., red.; IEVIN, M.L., red.; ROROKINA, Z.P.,
tekhn. red.

[Food industry of Kazakhstan] Pishchevaia promyshlennost'
Kazakhstana. Alma-Ata, Izd-vo AN KazSSR, 1963. 172 p.

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut ekonomiki.

(Kazakhstan--Food industry)

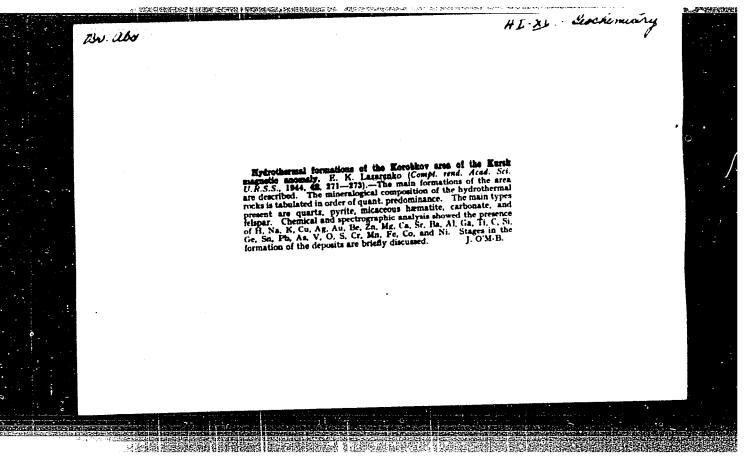


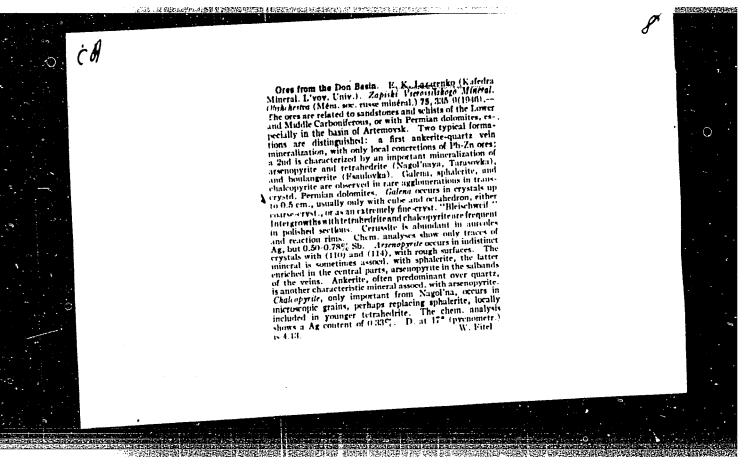


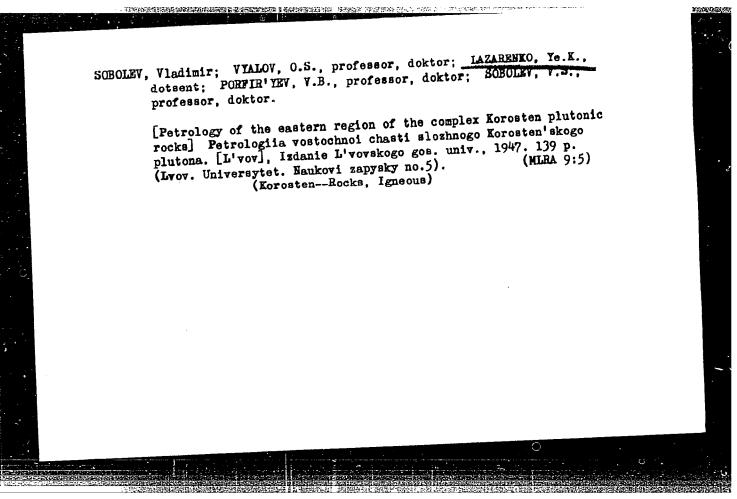
IAZARENKO, Ye. K.

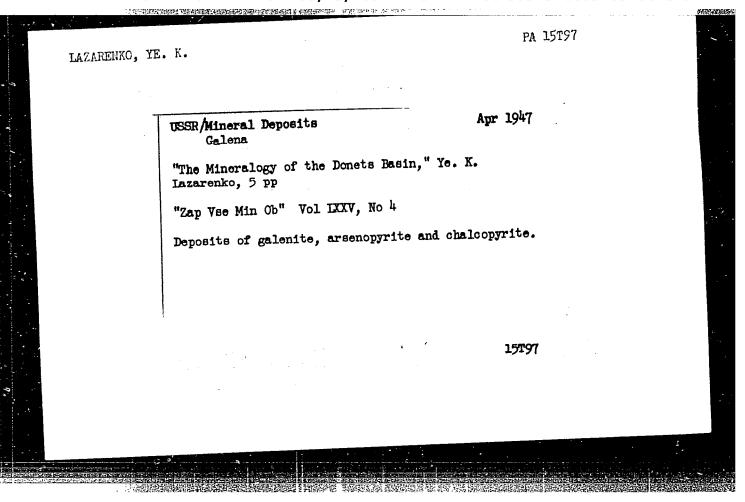
"On the Hydrothermal Formations of the Korobkov Area of the Kursk Magnetic Anomaly," Dokl. AN SSSR, 42, No.6, 1943

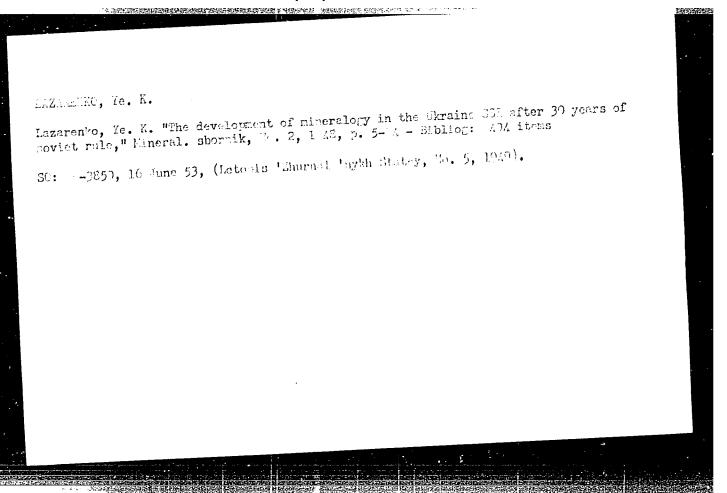
Dept. Mineralogy, Voronezh Univ.

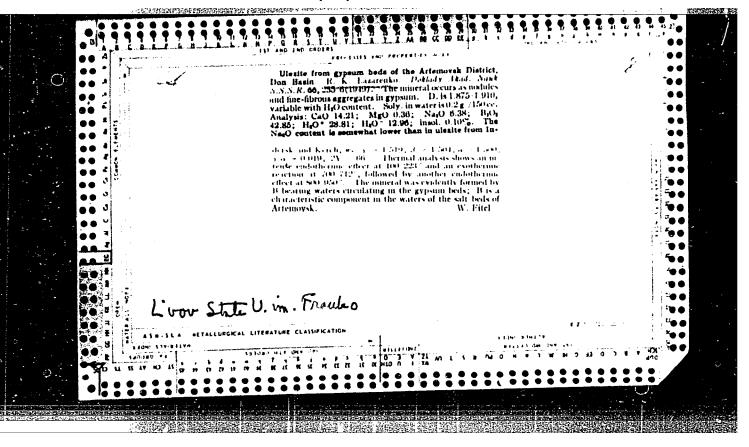




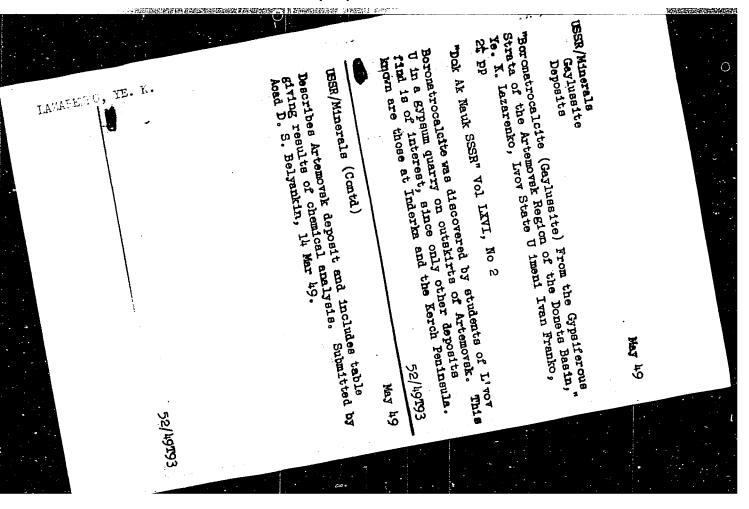




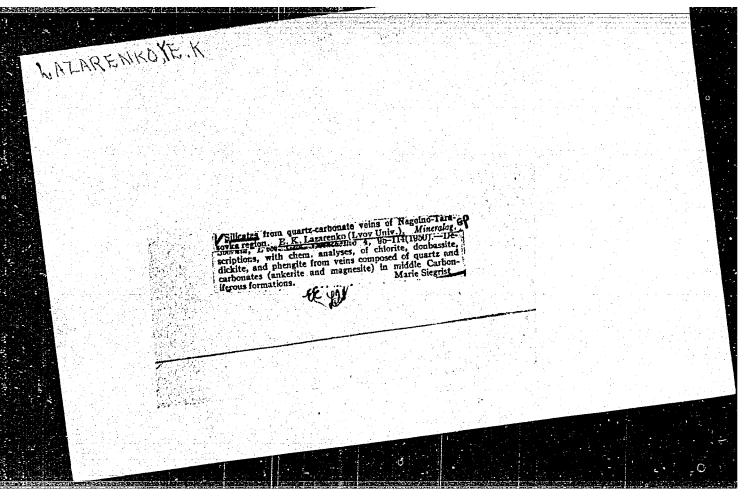


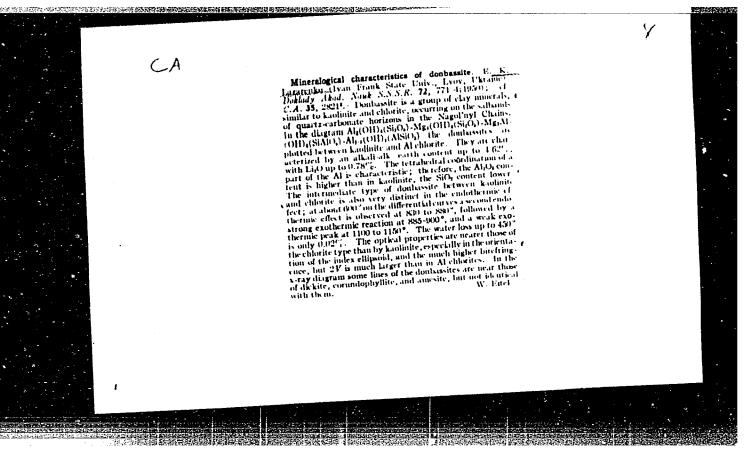


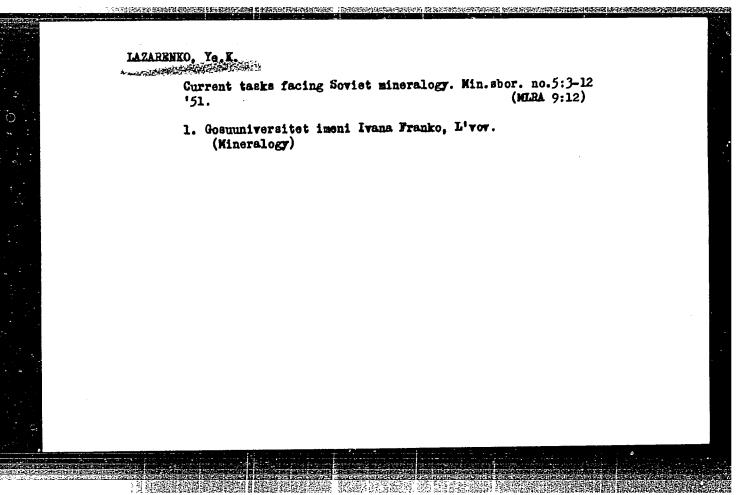
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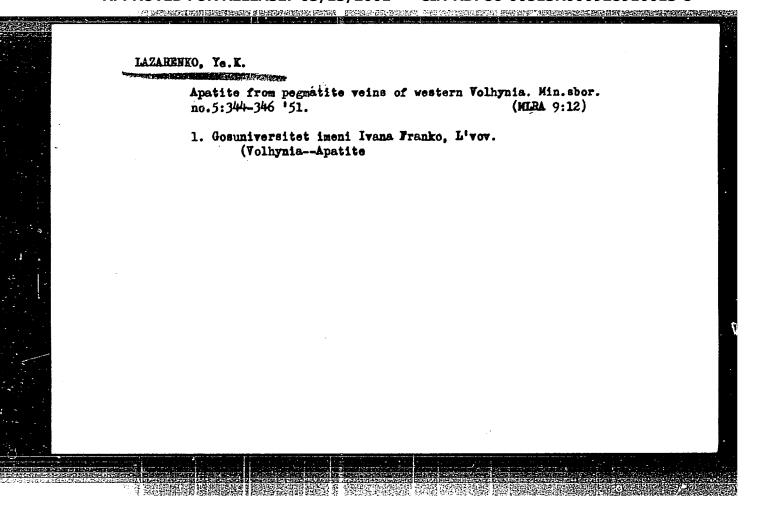


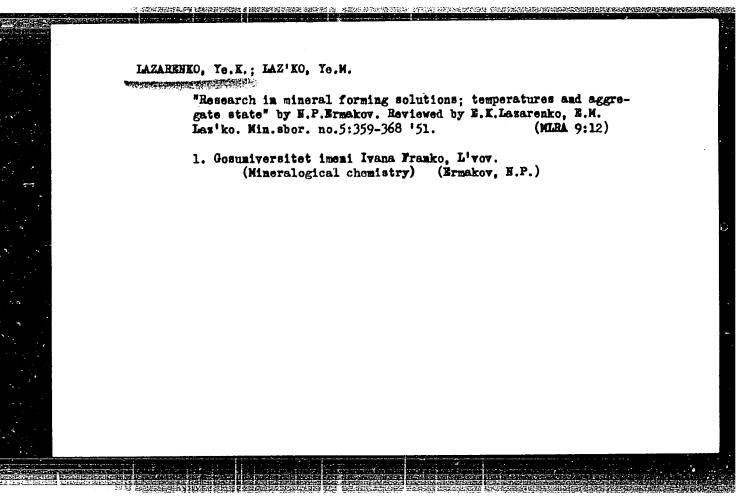
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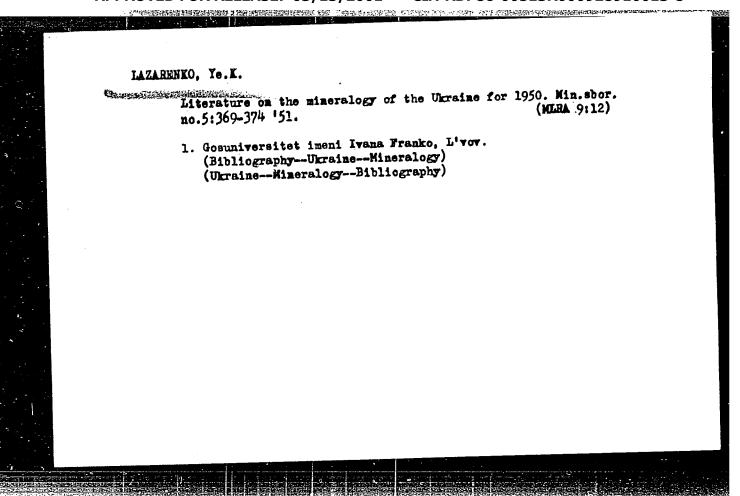


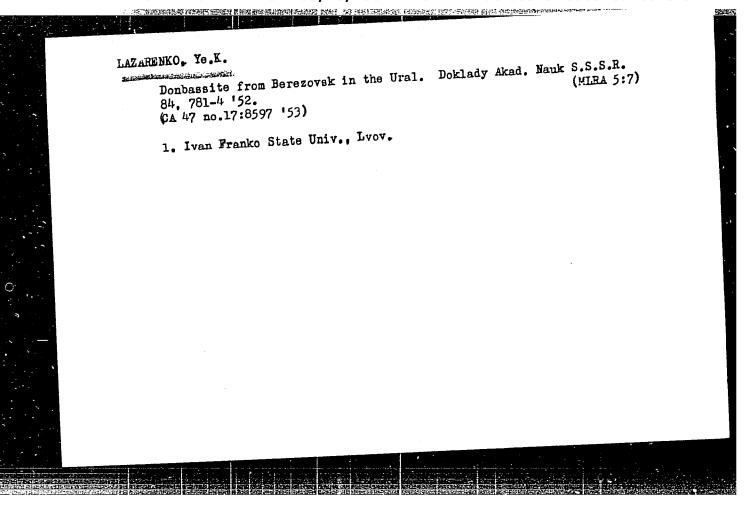












CHIRVINSKIY, P.W., professor; IAZARENKO, Ye.K., redaktor; Lizunov, G.Ya., tekhnicheskiy redaktor.

[Average chemical composition of the principal minerals in velcanic, metamorphic and sedimentary recks] Srednii khimicheskiy sostav glavmetamorphic and verzhennykh, metamorficheskikh i osadochnykh porodnykh mineralov izverzhennykh, metamorficheskikh i osadochnykh porodnykh prodnykh mineralov izverzhennykh, metamorficheskikh i osadochnykh porodnykh porodnykh mineralov izverzhennykh, metamorficheskikh i osadochnykh porodnykh porodnykh mineralov izverzhennykh, metamorficheskikh i osadochnykh porodnykh porodn

LAZARENKO, Ye. K.

"News About the Mineralogy of the Salt-Bearing Deposits in the Neighborhood of Truskavets" Mineralog. sb. L'vovsk. geol. o-va, No 7, 1953, 85-96

The cryptocrystalline variety of zinc blende and brunkite from the neighborhood of Truskavets in the nearer Carpathians (RZhGeol, 1954, 377) is contained in sandry bituminous clays. The light fraction of these rocks consists of quartz, calcite, gypsum, sericite, and clayey minerals; the heavy fraction is mainly brunkite, galenite, pyrite, and marcasite. In addition, barite, celestine, and anhydrite also have been established. (RZhGeol, No 6, 1955)

SO; Sum-No 787, 12 Jan 56

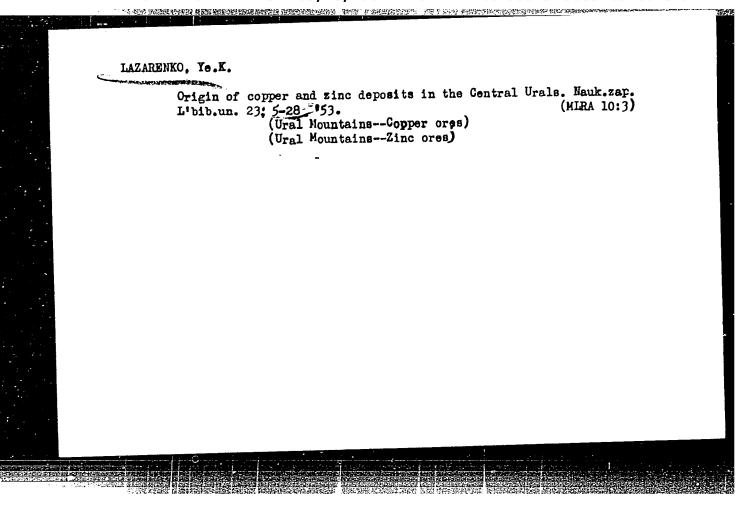
LAZARENKO, YE K.

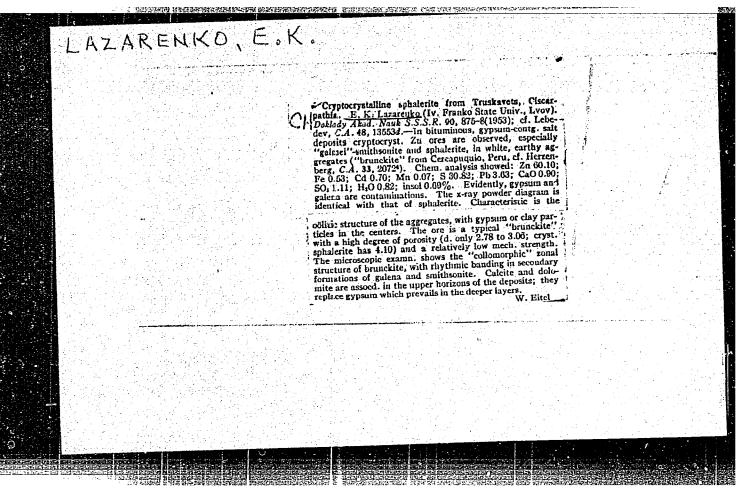
LAZARENKO, YE. K.; LAZIKO, YE. M.; REZVOY, D. P.; VIKTOR ARSENIYEVICH NIKOLAYEV; YERMAKOV, N. P.; KOZERENKO, V. N.

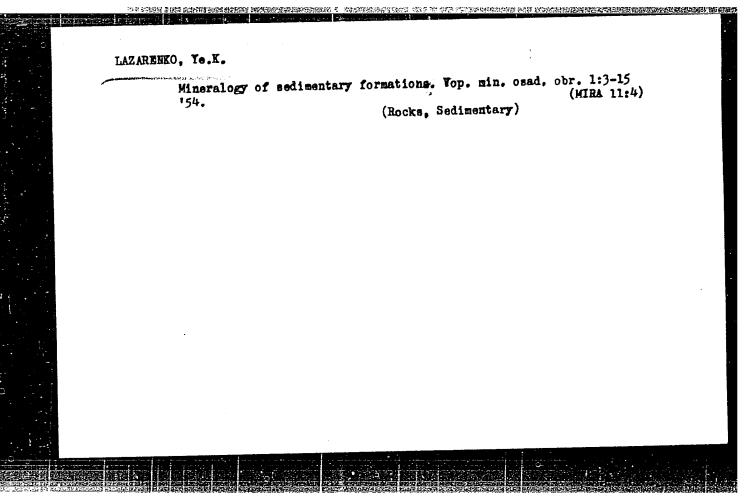
"On the Occasion of His 60th Birthday and 35th Year of Scientific Activity," Minerlog. sb. L'vovsk. geol. o-va, No 7, 330-332, 1953

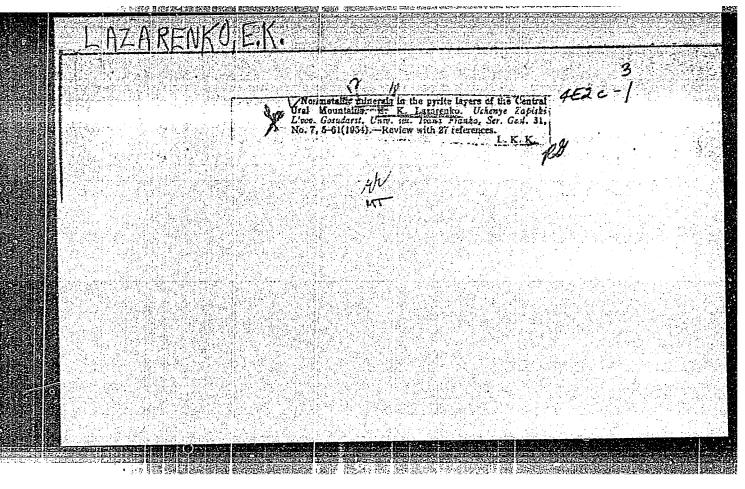
V. A.Nikoleyev, a corresponding member of the Academy of Sciences USSR, is one of the greatest specialists in the field of stratigraphy, vulcanism, and tectonics of Central Asia. He established the sharp tectonic boundary between the northern and southern zones of the T'ientectonic boundary between the northern and southern zones of the T'ientectonic boundary between the northern and southern zones of the T'ientectonic boundary between the northern and southern zones of the T'ientectonic boundary between the northern and southern zones of the T'ientectonic of the T'ient

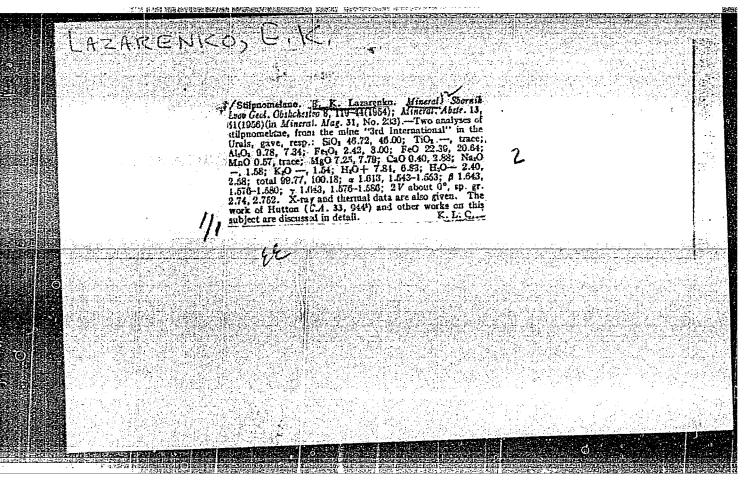
RZhGeol, No 1, 1955

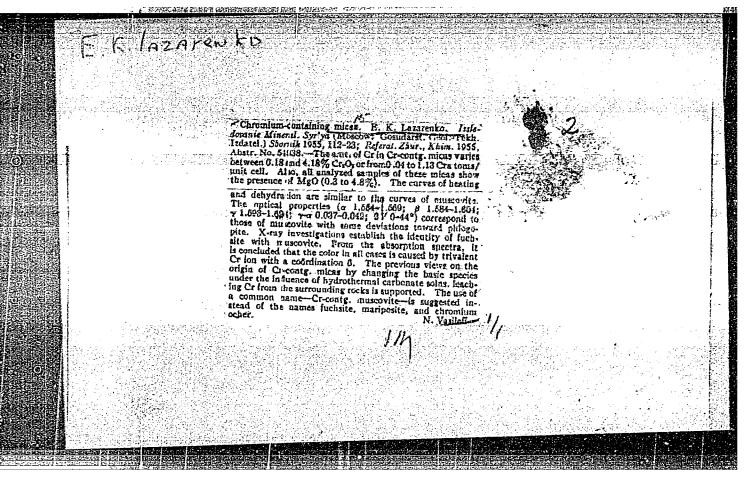


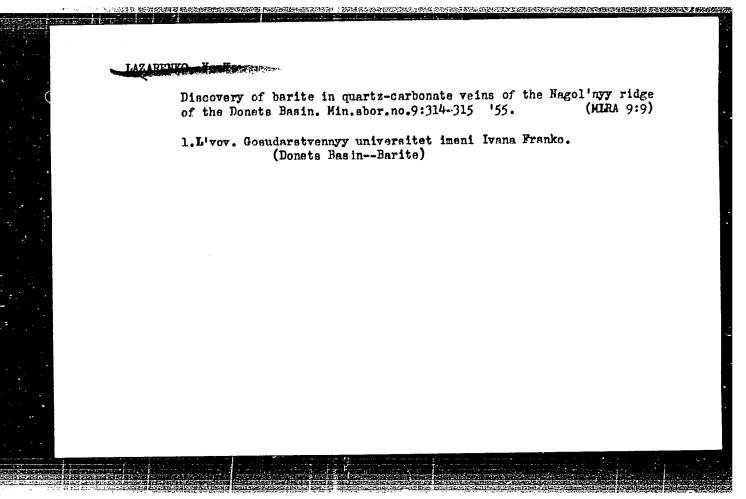


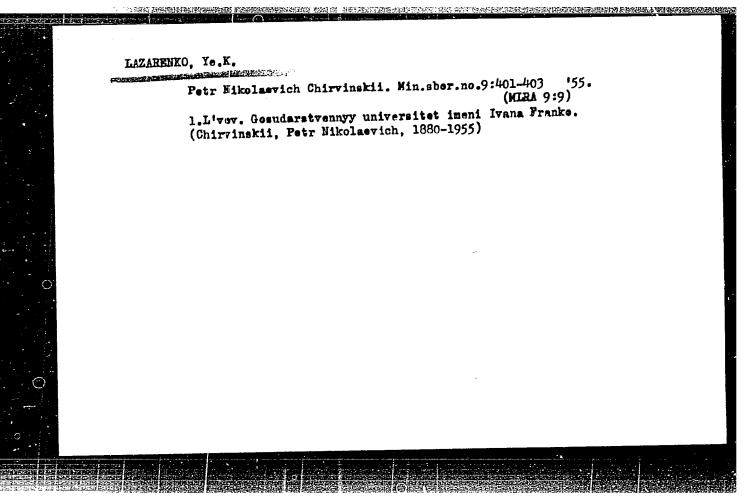


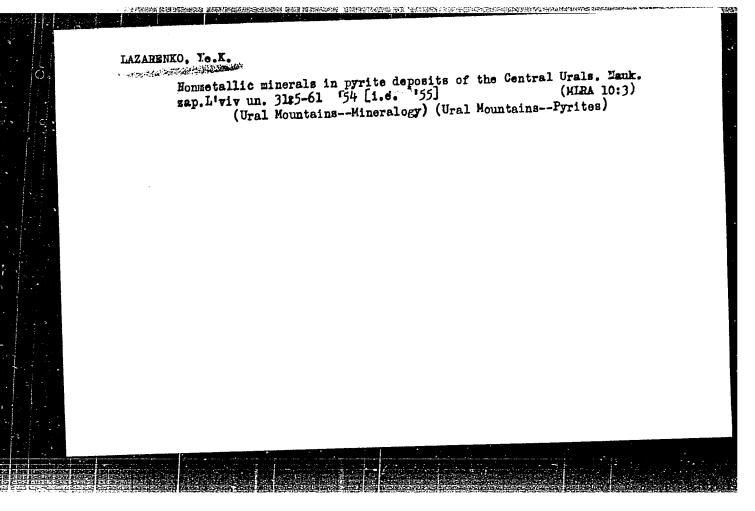


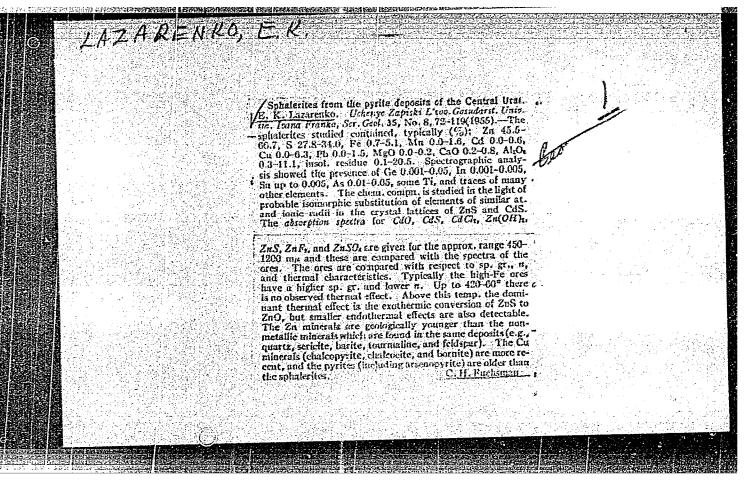












 POLFIR'YEV, Vladimir Borisovich; GRINBERG, Iona Vol'kovich; LADYZHENSKIY, Nikolay Romanovich; GALABUTSKAYA, Yekaterina Antonovna; LIMETSKIY, Viktor Filippovich, SVARICHEVSKIY, Lyudomir Vladimirovich; LAZARENKO, Ye.K., otvetstvennyy redaktor; LISENBART, D.K., redaktor Izdatel'stva; RAKHLINA, N.P., tekhnicheskiy redaktor

[Menilite shale, a source for industrial building materials]
Menilitovye slantsy - syr'e dlia promyshlennosti stroitel'nykh
materialov. Kiev. Izd-vo Akademii nauk USSR, 1956. 37 p. (MIRA 9:7)

1. Chlen-korrespondent AN USSR (for Lazarenke) (Shale)

VEDENEYEVA, N.Ye. [deceased]; VIKULOVA, M.F.; LAZARENKO, Ye.K., prof., otv.red.; GAZER, S.L., red.; SARANYUK, T.V., tekhred.

[Using the method of staining in investing clay minerals; spectrophotometric analysis] Metod issledovaniia glinistykh mineralov s pomoshch'iu krasitelei; spektrofotometricheskii analiz. L'vov, Izd-vo L'vovskogo gos.univ., 1956. 91 p. (MIRA 13:3)

1. Chlen-korrespondent AN USSR (for Lazarenko).

(Spectrophotometry) (Clay--Analysis)

LAZARENKO, Ye.K., redakter; LISENBART, D.K., redakter; KRYLOVSKAYA, N.S., tekhnicheskiy redaktor.

[Problems in the theory of the origin and migration of petroleum] Voprosy teorii proiskhozhdeniia i migratsii nefti. Kiev, 1956. 95 p.

1. Akademiya nauk URSR, Kiyev. Institut geologii kerysnykh kepalya. 2. Chlen-korrespondent AN USSR (for Lazarenke). (Petroleum geology)

PORFIR'YEV, V.B., otvetstvennyy redaktor; IADYZHENSKIY, N.R., kandidat geologo-minerelogicheskikh nauk, redaktor; IAZARKNKO, Ye.K., redaktor; GUZZHIY, D.V., kandidat geologo-minerelogicheskikh nauk, redaktor; ZAVIRYUKHINA, V.N., redaktor; ZHUKOVSKIY, A.D., tekhnicheskiy redaktor

[Papers on the problem of the origin and migration of petroleum]
Materialy diskussii po probleme proiskhozhdeniia i migratsii nefti.
Kiev, 1956. 366 p. (MLRA 10;3)

1. Akademiya nauk URSR, Kiyev. L'vivskyi filial. Instytut geologii korysnykh kopalyn. 2. Chlen-korrespondent Akademii nauk USSR (for Profir'yev, Iazarenko)

(Petroleum geology)

LAZARENKO, Ye.K., otv.red.; BOBROVNIK, D.P., prof., doktor geologo-mineral.nauk, zamestitel otv.red.; VARTANOVA, N.S., kand. geologo-mineral.nauk, red.; YASINSKAYA, A.A., dotsent, kand. geologo-mineral.nauk, red.; GAZER, S.L., red.; SARANYUK, T.V., tekhred.

[Mineralogy of sedimentary formations] Voprosy mineralogii osadochnykh obrazovanii. Otvet.red.E.K.Lazarenko. L'vov. Books 3 and 4. 1956. 673 p. (MIRA 13:7)

1.L'vov. Universitet. 2. Chlen-korrespondent AN USSR (for Lazarenko).
(Mineralogy, Determinative) (Rocks, Sedimentary)

15-57-2-1709

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2,

p 81 (USSR)

AUTHOR:

Lazarenko, Ye. K.

TITLE:

The Nomenclature and Classification of Glauconite (Voprosy nomenklatury i klassifikatsii glaukonita)

PERIODICAL:

Vopr. mineralogii osadoch. obrazovaniy. Books 3-4.

L'vov, L'vovsk. un-t, 1956, pp 345-379

ABSTRACT:

The term glauconite is used for the most widespread minerals of sedimentary rocks having the most variable petrographic composition. In these rocks glauconite occurs as a sedimentary mineral, a product of diagenesis, and a result of weathering. This mineral is of considerable interest to mineralogists, geologists, chemists, and technologists, because Fe and Mn ore deposits are associated with it in a number of places. The association of glauconitic rocks and

Card 1/4

15-57-2-1709

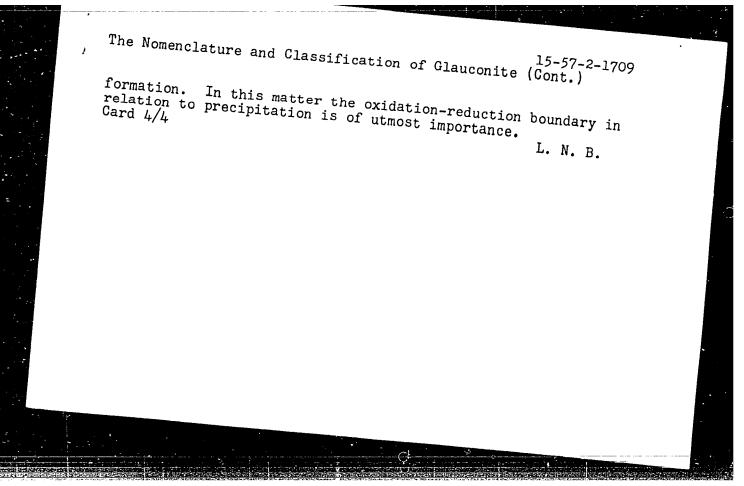
The Nomenclature and Classification of Glauconite (Cont.)

phosphoritic deposits should be especially emphasized. Such deposits according to N. S. Shatskiy (cf. RzhGeo, 1956, 4186), supply no less than a third of the world's total reserves of P. In light of new observations, there should be a re-examination of the view of geologists that glauconite is a "mineral that is not only purely sedim mentary, but forms at present and has formed in the past only in the mentary, but forms at present and has formed in the past only in the cites chemical, thermal, and optical studies on celadonite from the cites chemical, thermal, and optical studies on celadonite from the oxykeratophyres of Karadag and the Crimea and from the basalts of oxykeratophyres of Karadag and the Crimea and from the basalts of oxykeratophyres of skaradag and the results of these investisupplied in the paper) and compares the results of these investigations with those of skolite and glauconite (analytical data are gations with those of skolite and glauconite (analytical data are furnished for the latter mineral). These results show that the furnished for the latter mineral). These results show that the furnished for the latter mineral), where R' is K, Na, Rb, Cs, Ca, R'x(R''', R'')y(OH)₂ (AlSi)₄O₁O·nH₂O, where R' is K, Na, Rb, Cs, Ca, R'x(R''', R'') (OH)₂ (AlSi)₄O₁O·nH₂O, where R' is Al, Fe, Cr, and, Ba, Sr, and H₃O; x ranges from 1.00 to 0.56; R''' is Al, Fe, Cr, and, in part, Ti⁴⁺; R'' is Fe, Mg, and, in part, Li⁺; and y is 3 or 2.

15-57-2-1709 (Cont.)

The Nomenclature and Classification of Glauconite (Cont.)

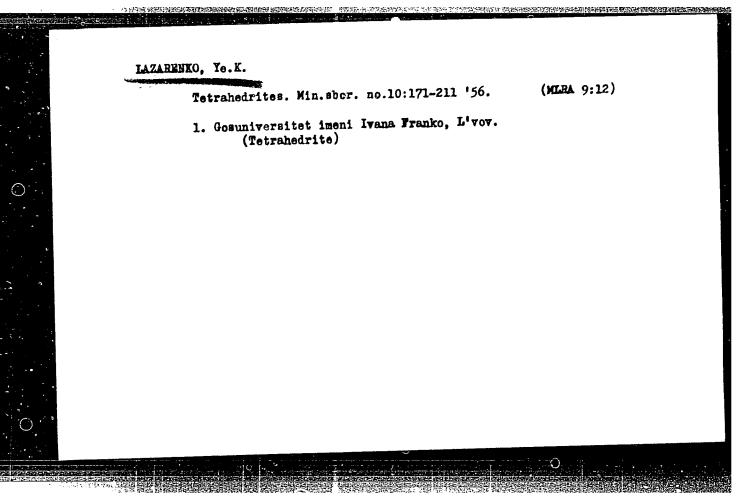
Glauconite should be considered a group of minerals, the extreme members of which are celadonite and skolite. Skolite, the aluminous member of the group, has the formula R'x(Al,Fe''', Mg, Fe'')2(OH)2 member of the group, has the formula R'x(Al,Fe''', Mg, Fe'')2(OH)2 member of the group, has the formula R'x(Al,Fe''', Mg, Fe'')2(OH)2 member, corresponds to AlSi3010. Celadonite, the iron-bearing member, corresponds to R'x(Fe''',Al)(Mg,Fe'') (OH)2 Si4010. The average statistical formula R'x(Fe''',Al)(Mg,Fe'') (OH)2 Si4010. Glauconite, skolite, Mgo.41^AlO.40^FeO.17 (OH)2Si3.66^AlO.34^OlO*OH2O. Glauconite, skolite, Mgo.41^Al



LAZARENKO, Ye.K.; KUDRIN, L.N.

Occurrence of glauconite in the western region of the Ukraine.
Vop.min.osad.obr. 3/4:380-392 '56. (MLRA 9:11)

1. Gosuniversitet imeni Ivana Franko, L'vov.
(Ukraine--Glauconite)



D.

LAZARENKO, YE.K.

USSR/Cosmochemistry - Geochemistry. Hydrochemistry.

: Ref Zhur - Khimiya, No 9, 1957, 30369 Abs Jour

: Lazarenko, Ye.K. Author

: Lvov Geological Society at the University Inst

: Celadonite in Volynian Basalts. Title

: Mineralog. sb. L'vovsk. geol. o-va pri un-te, 1956, Orig Pub

No 10, 352-356

In continuing the study of celadonite in Berestovets Abst

basalts (Komienski M., Bazalty wolynskie. Kosmos, 1929, 3-4; see also RZhGeol, 1957, 1709), the author presents microphotographs of polished sections, electron microphotographs, a thermogram and roentgenogram of this mineral. From Komienski analyses data has been

calculated the crystallochemical formula: (K_{0.30}Na_{0.01}Ca_{0.07})_{0.38}(Mg_{0.65}Fe_{0.22}TFe_{1.06}^{3+Al}_{0.29})-

 $-2.22 \cdot (0H)_2 / \overline{Al}_{0.27} - \overline{11}_{0.01} - \overline{13}_{0.72} - \overline{10}_{10} - 0.64 + \underline{10}_{0}$

Card 1/2

LAZAKENKE, YE, K.

15-57-5-5713

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5,

p 4 (USSR)

AUTHORS: Grigor'yev, D. P., Lazarenko, Ye. K.

Scientific Works of Professor I. I. Shafranovskiy (On TITLE:

His Fiftieth Birthday and the Twenty-Fifth Anniversary of His Scientific and Pedagogical Activity) Nauchnyye trudy professora I. I. Shafranovskogo (V svyazi s 50-

letiyem so dnya rozhdeniya i 25-letiyem nauchnoy i

pedagogicheskoy deyatel'nosti)7

Mineralog. sb. L'vovsk. geol. o-vo pri un-te, 1956, PERIODICAL:

Nr 10, pp 369-372.

ABSTRACT: Scientific works of I. I. Shafranovskiy center mainly in

the field of the morphology of crystals and minerals, and particularly in the problem of the correlations of the crystals with the conditions of their formation. Studying the allied questions of the morphology of

crystals and of structural crystallography, he inferred

Card 1/2 the existence of 1403 structural crystallographic

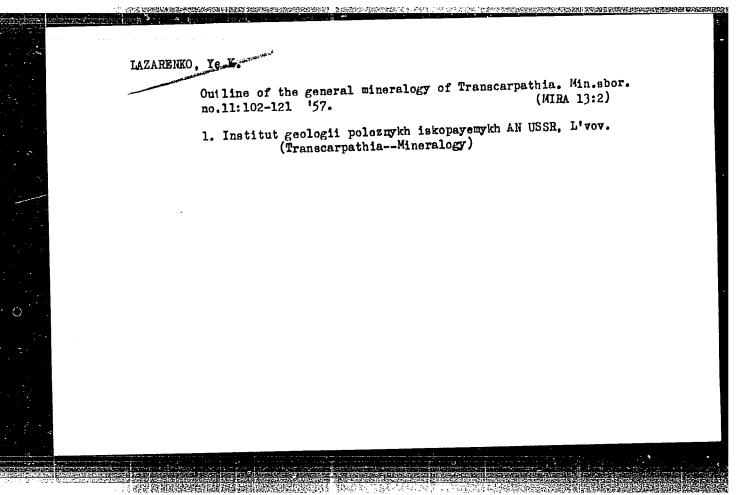
THE PROPERTY OF THE PROPERTY O

15-57-5-5713 Scientific Works of Professor I. I. Shafranovskiy (Cont.)

varieties of simple forms. I. I. Shafranovskiy worked extensively on the problems of crystalline morphology of zircon, quartz and diamond and uncovered a number of new laws in this field. On the basis of this research he came to the conclusion that the "law of zones" (i.e., the law of great circles in crystallography, which plays a fundamental role in the geometry of polyhedrons of crystal growth) must be supplemented by the law of coniform surfaces (i.e., the law of small circles which appear mainly in the geometry of diffusion forms). A series of I. I. Shafranovskiy's published works is devoted to the history of crystallography and mineralogy, and especially to the evaluation of the scientific legacy of Ye. S. Federov. At present I. I. Shafranovskiy holds the Chair of Crystallography at the Leningrad Mining Institute.

Card 2/2

D. I. G.



KARYAKIN, L.I.; IAZARRIKO, Ye.K.; SHKABARA, M.N.

Konstantin Hikolaevich Savich-Zablotskii; on his Soth birthday, Min.sbor. no.11:361-364 '57. (MIRA 13:2)

1. Vsesoyuznyy institut ogneuporov, Khar'kov (for Karyakin).
2. Gosuniversitet, L'vov (for Lazarenko.1 3. Vsesoyuznyy institut
L'vov (for Lazarenko). 3. Vsesoyuznyy institut shakhtnogo
stroitel'stva, Khar'kov (for Shkabara).

(Savich-Zablotskii, Konstantin Nikolaevich, 1877-)

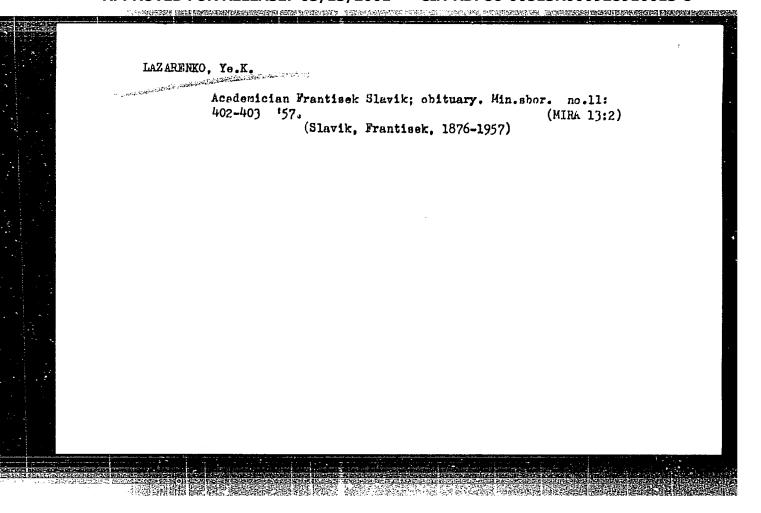
IAZARENKO, Ye.K.; SLIVKO, M.M.

E.Burkat's monograph "Moravian minerals and the literature about then" [in Czech and German]. Min.sbor. no.11:379-381 '57.

(MIRA 13:2)

1. Gosuniversitet imeni Ivana Franko, L'vov.

(Moravia--Mineralogy) (Durkat', E.)



LAZARENKO. Ns.K. [Lazarenko, IE.K.], prof.; SLIVKO, M.M., dotsent, otv.red.; FURMAN, K.P., red.izd-va; MALYAVKO, A.V., tekhred.

[A course in mineralogy] Kurs mineralogii. Vyd-vo L'vivs'koho univ. Pt.1 [General mineralogy] Zahal'na mineralogiia. 1958. 283 p. (MIRA 12:4)

1. L'vovskiy gosudarstvennyy universitet im. Ivana Franko. (Mineralogy)