

Ca

Karachaito. N. E. Efremov. Bull. acad. sci. U. R. S. S., Class sci-math. nat., Sér. géol. 1936, 921-8; Min-
erolog. Abstracts 7, 9.—Karachaito is an asbestiform variety
of chrysotile serpentine. It occurs in the asbestos de-
posit of Shaman-Beklegen, Karachai, N. W. Caucasus,
MgO 30.90, CaO 3.20, H₂O + 13.48, Al₂O₃ 2.58, Fe₂O₃ 2.58,
d. 2.20. Analysis gave SiO₂ 47.12, Al₂O₃ 2.58, Fe₂O₃ 2.58,
corresponds with MgO.SiO₃.H₂O. C. A. Silberrad

1ST AND 2ND CIPHERS																										3RD AND 4TH CIPHERS																									
PROCESSING AND PROPERTY INDEX																																																			
<i>Ca</i> New mineral of the serpentine-chrysotile group. N. B. Hremanov. <i>Trav. Inst. Lomonosovsk. geol. mineral. 7, 241-2 (1968); Mineralog. Abstracts 6, 400.</i> A grayish brown asbestosiform mineral with fibers 0.5-1 cm. long occurs in the Bolea chromite deposit on the Ch. Lala River (Caucasus). Analysis: SiO_2 52.00, Al_2O_3 14.00, FeO 1.78, Fe_2O_3 1.00, CaO 0.70, H_2O 4.00, H_2O^+ 1.00, H_2O^- 1.00, $\text{H}_2\text{O}^{\pm}$ 1.00, corresponding with $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_2$.																																																			
ASB-15A METALLOGICAL LITERATURE CLASSIFICATION																																																			
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8

Parental magma of serpentines of Mt. Tkhatch (N. Caucasus). N. Elensov. *Trav. inst. pitag. and. mt. U. R. S. S. No. 7-8, 120-35(1936)*; *Neues Jahrb. Min. eral., Geol., Ref. 11, 1937, 100-1*. The serpentine is described in detail. It contains rounded inclusions 0.1 to several m. across in which enstatite-bronzite in large crystals, olivine, chromite, picotite, magnetite, diopside, tremolite, talc, chlorite, carbonates, chrysotile and antigorite occur. The original rock whence the serpentine has been formed was probably a harzburgite. C. A. S.

ASB-3LA METALLURGICAL LITERATURE CLASSIFICATION

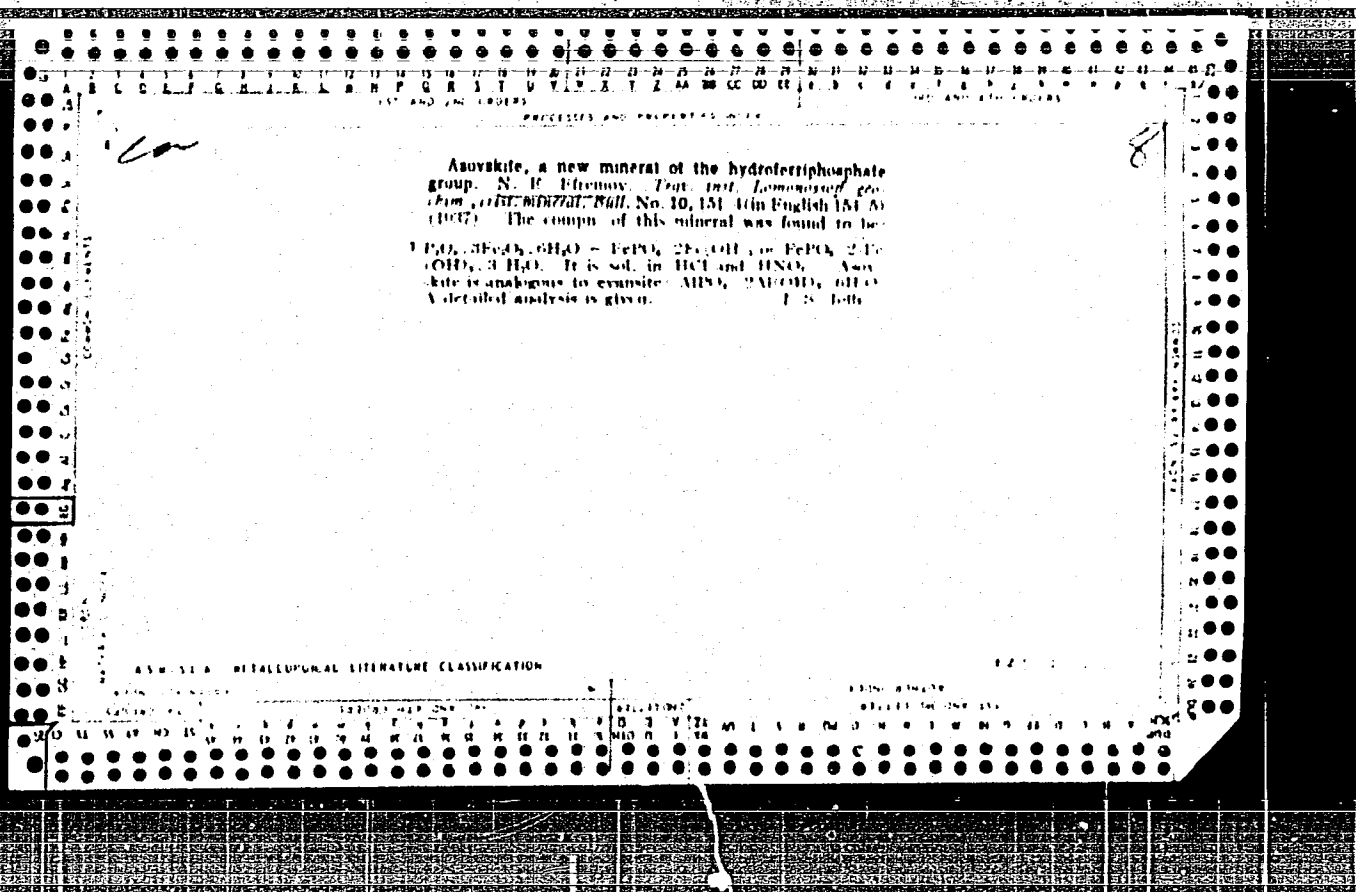
Pseudo-halloysite from the ore beds of the Taman Peninsula. N. B. Efremov. Bull. soc. naturalistes Moscou, Ser. 60, No. 3, 277-82 (in English 286) (1930).—The material occurs as layers and colloform masses in green clays interbedded with limonite beds. It is brown and waxy, with hardness 1.5 and sp. gr. near 2.2. Under the microscope it appears as yellow plates and scales, being isotropic with $n = 1.635\text{--}1.637$. Analyses show a compn. intermediate between halloysite and nontronite. The formula is $(Al, Fe)_2Si_2O_5 \cdot 3H_2O$, with $Al_2O_3 : Fe_2O_3 = 2:1$. R. H. Beckwith

2

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Melodievite and heffehillite from the Labe region, north Caucasus. N. B. Efremov. *Mém. soc. russe minéral.* 65, 90-107 (1935); *Mineralog. Abstracts* 7, 104 (1938).—Two varieties of bentonitic unctuous clays both cryst. and those in less amounts, are described: (1) heffehillite, a microscopically homogeneous, somewhat wavy aggregate, n. 1.615; and (2) melodievite, n. 1.630. Complete analyses are given. C. A. Sullivan

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION



26

Iron-pigment deposits of Taman peninsula (Black Sea region). N. B. Rfremov and A. P. Kelenbetova. *Mineral. Syr's 12*; No. 8, 80-7 (1937); cf. Rfremov, *Ibid.* 11, No. 7 (1936).—Several large deposits of Fe ores suitable for the production of ochre are described. Some deposits are very rich in Fe₂O₃, giving after ignition a hematite-like pigment of red to brown-red color. The refined ochers showed a covering power of 44-50 g./sq. m. and linseed-oil absorption of 31-7%.

Chas. Hlane

ASAP-55A METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS																										1ST AND 2ND GROUPS																										3RD AND 4TH GROUPS																									
COMMON ELEMENTS																										1ST AND 2ND GROUPS																										3RD AND 4TH GROUPS																									
METALLURGICAL LITERATURE CLASSIFICATION																																																																													
Bedenite. N. E. Efremov. <i>Mém. soc. russe minéral.</i> 66, 479-85 (1937). <i>Mineralog. Abstracts</i> 7, 170. — Bedenite is a white ash-ros-like mineral assoc. with cerulite, found in a plagioclase vein in serpentinite at Beden, on the river Bolshaya Laba (northern Caucasus). It is apparently an orthorhombic amphibole of compn.: SiO_2 55.15, Al_2O_3 4.66, Fe_2O_3 7.18, MgO 19.09, CaO 13.01, $\text{H}_2\text{O} + 1.60$, $\text{H}_2\text{O} - 0.10$, corresponding with $\text{H}_2\text{Ca}_2\text{Mg}_2\text{AlFe}^{+++}\text{Si}_4\text{O}_{22}$; analyses of cerulite and plagioclase are also given. C. A. Silbertat																																																																													

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Investigation of the serpentine region of Northern Caucasus. N. R. Ryzhkov. *Bull. Acad. Sci. U. R. S. S., Ser. Geol.* 1938, No. 1, 107-20; *Khim. Referat. Zhur.* 2, No. 4, 30 (1939).--The serpentine minerals of Northern Caucasus originated mainly from saponites; the age of these ultrabasic intrusions is Permian-Carboniferous. Many have a compn. which differs greatly from the commonly accepted formula by excessive units of MgO and H₂O. Two branches can be noted among the serpentine minerals: one in which are observed an increasing role of SiO₂ toward MgO and changes from serpentine through picrotite to talc with a change of the MgO:SiO₂ ratio from 1.5 to 0.75, and a 2nd, in which this ratio increases from 1.5 to 2.00. Variations of the content of the main oxides in serpentines indicate that the chem. constitution changes from talc through picrotite, chrysotile to nemalite-brucite. The serpentines must be regarded as a mixt. of the two end members, talc and brucite. This conception coincides with the results obtained from the x-ray investigations of Schiebold, who gives the following equation: $[Si_2O_5] \cdot Mg_2(OH)_2$ (talc) + $n[Mg(OH)_2]$ (brucite) $\pm [Si_2O_5] \cdot (OH)_2 \cdot Mg_2 = 2[Mg_2(OH)_2 \cdot Si_2O_5]$ (serpentine), as well as with the results obtained from dissolving serpentine in NH₄Cl with a max. yield of Mg from serpentine of 60%, which amt. corresponds to the amt. of Mg which is combined with the hydroxides in the mineral. W. R. H.

ea

The new mineral abkhazite. N. E. Ryzhenko. *Trudy Inst. Geol. Nauk., Akad. Nauk S. S. R.* No. 11, *Mineral. Geokhim. Ser.* No. 3, 37-44 (1968).—An extensive review of amphiboles is presented giving their compn. For some minerals x-ray data are given. Abkhazite resembles hornblende, the compn. being expressed in the formula: $(OH)_2(Ca, Na, Mn, K)_2(Mg, Fe^{2+}, Fe^{3+}, Al)_3(Si)_6O_{22}$.

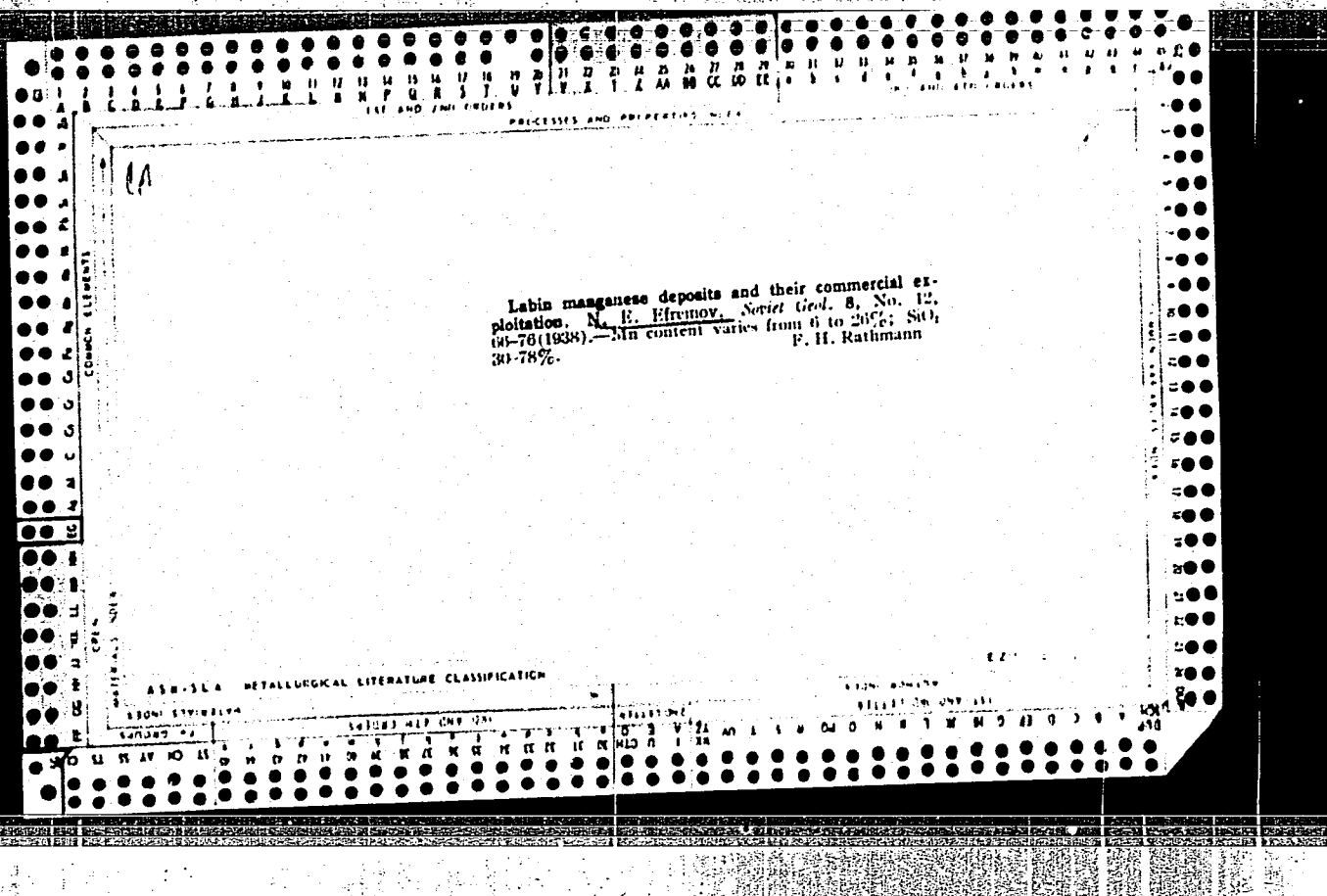
ASIA SLA METALLOGICAL LITERATURE CLASSIFICATION

ASIA SLA METALLOGICAL LITERATURE CLASSIFICATION									
Metallurgy		Metallurgical Engineering		Metallurgical Chemistry		Metallurgical Physics		Metallurgical Biology	
Metallurgy	Metallurgical Engineering	Metallurgical Chemistry	Metallurgical Physics	Metallurgical Biology	Metallurgy	Metallurgical Engineering	Metallurgical Chemistry	Metallurgical Physics	Metallurgical Biology
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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

Origin of iron ore deposits of the Karch and Taman Pen-
insulas. N. B. Efremov. Soviet Geol. 8, No. 5, 74-80
(in English; 89-90) (1968).—The various deposits consist
of at least 47 ferrous and nonferrous minerals. The pri-
mary deposits were chiefly siderite-chamosite; by chem-
ical and biochem. reductions these had been converted to
ochreous, wuggy and brown oolitic oxidized and hydrated
iron-ore varieties. Primary deposition was due to hal-
morphism with local hypergenesis and hydrothermal pro-
cesses giving a siderite-leptochlorite-brown iron ore-mag-
netite-hematite complex. New minerals found here were
awavakite (C. A. 31, 2873), Ca ferriphosphate (C. A.
32, 4170), karchenite and ferritahysite (C. A. 32, 451).
P. H. R.

Serpentinites of the northern Caucasus and the ques-
tion of their complex exploitation (complete use). N.E.
Efremov. *Soviet Geol.* 6, No. 7, 1961 (1962). Analyti-
cal data are given. Small amts. of Ni usually are present.
F. H. Rathmann

ASH 35.8 METALLURGICAL LITERATURE CLASSIFICATION



COMMON ELEMENTS															COMMON VARIANTS														
MATERIAL INDEX															PROPERTY INDEX														
CA															19														
Beden serpentinites. A strong raw material for the refractory materials industry of the south (of Russia). N. R. Krasnov. <i>Ogneyuroy</i> 7, 704-8(1830); <i>Chem. Zhur.</i> 1941, I, 434; cf. C. A. 34, 804^b.—Geol. and microscopic data are given on the serpentinites of the south Russian Beden deposits and preliminary information is given regarding the supply of the different varieties of this material. The chem. compn. corresponds almost throughout to the formula $H_2Mg_3Si_4O_{10}$. Lab. tests showed these serpentinites to be excellent raw material for the production of refractory forsterite materials. They can also be used for the manu. of chromite products. M. G. Moore																													
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																													
SECTORS															SUBJECTS														

Classification of the minerals of the serpentine group.
N. B. Efremov. *Compt. rend. acad. U. R. S. S.* 22, 432-5
(1939) (in Russian); cf. C. A. 32, 42019; 33, 4167-7.
The serpentine group consists of mixts. of the two end
members hydrotalcite $2\text{MgO} \cdot \text{SiO}_2 \cdot 3\text{H}_2\text{O}$ and khal-
dite $\text{MgO} \cdot \text{SiO}_2 \cdot 2\text{H}_2\text{O}$, wherein $\text{MgO} \cdot \text{SiO}_2$ ranges from 0.9
to 1.00. Serpentine is hydrated definite mixts. of the
orthosilicate and metasilicate mols. MgSiO_3 and MgSiO_2
in the following ratios: 1:0 hydrotalcite, 3:1 chry-
sotile, 2:1 antigite, 1:1 serpentine, 1:2 delessite and khal-
dite, 2:3 kabalite and 1:0 kharachite and keralite. *Kol-*
shits, $4\text{MgO} \cdot 4\text{SiO}_2 \cdot 11\text{H}_2\text{O}$, is a new mineral discovered
in the olivines of Saig Lake on Kola peninsula. Both
compact and fibrous varieties occur. It has sp. gr. 2.401,
hardness 2-3, is biaxial pos., $n_\omega = 1.542$, double refraction
approx. 0.01. L. W. Struck

YEFREMOV, N. Ye.

"Zonal Distribution of Ultra-Basites of the Caucasus Range," Dokl. AN SSSR,
22, No.5, 1939

197 AND 198 OPD121

PROCESSES AND PROPERTIES INDEX

340 AND 4TH OPD121

1

PHYSICAL AND CHEMICAL

CLASSIFICATION OF SOME MAGNESIAL SILICATES AND THEIR ALUMO-ANALOGUES.—N. E. El'remov (*Compt. rend. Acad. Sci. U.R.S.S.*, 24, 287, 1939). Comparison between magnesian hydrosilicates and their alumo-analogues is suggested in order to clarify the classification of the argillaceous silicates. An indication of the initial mols and of the Al_2O_3/SiO_2 or $3MgO/SiO_2$ ratios is considered sufficient for classification purposes. The discovery in the North Caucasus of a sepiolite corresponding with $3MgO \cdot 3.66SiO_2 \cdot 5.5H_2O$ and analogous to a montmorillonite, $Al_2O_3 \cdot 3.66SiO_2 \cdot 5.5H_2O$ is announced. (*Brit. Chem. Abs.*, A.1, p. 48, 1940.)

OPEN

COMMON ELEMENTS

COMMON VARIABLES INDEX

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

FROM STUBBARD

FROM BOWLING

SECONDARY INDEX

ILLUSTRATIONS

FROM STUBBARD

FROM BOWLING

YEFREMOV, N. Ye.

"On the Age of the Serpentinities of the Caucasian Range," Dokl. AN SSSR,
25, No.5, 1939

1ST AND 2ND LETTER																										3RD AND 4TH LETTER																										5TH AND 6TH LETTER																										7TH AND 8TH LETTER																																																																																																																																	
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Митров, Н. К. СЕРПЕНТИНЫ ИЗ НЕБЛИЗКОСТИ КАВКАЗСКОГО РЕГИОНА - А РЕФРАКТОРНЫЙ МАТЕРИАЛ. <i>Izvestiya Rostov. Gosudarst. Inst. Prikladnoi Khim., No. 4,</i> 58-75 (1940).—Serpentines of the Beder massif are classi- fied as antigorite, chrysotile, and mixed serpentines. Analyses indicate that the composition of the Beder serpentines is approximately $11\text{Mg}\cdot\text{Si}_2\text{O}_5$, the usual com- position of serpentine. The genesis of the serpentines is discussed.																																																																																																								1ST AND 2ND LETTER A B C D E F G H I J K L M N O P Q R S T U V W X Y Z																										3RD AND 4TH LETTER A B C D E F G H I J K L M N O P Q R S T U V W X Y Z																										5TH AND 6TH LETTER A B C D E F G H I J K L M N O P Q R S T U V W X Y Z																										7TH AND 8TH LETTER A B C D E F G H I J K L M N O P Q R S T U V W X Y Z																									
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COMMON ELEMENTS										COMMON VARIABILITY INDEX									
YEFREMOV, N. E. bc <u>N. E. YEFREMOV</u> A-1 Classification of serpentine minerals by the method of thermal analysis. N. E. Yefremov (Moscow, U.S.S.R.) <i>U.S.S.R.</i>, 1940, 23, 112-113. The serpentine have been investigated by thermal analysis, and the results of other workers are discussed. An exothermal effect, the extent of which depends on the composition of the mineral, is observed. In addition, it varies the exothermal effect is absent. A. I. M.										ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION									
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
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LIST AND INDEX																										PROCESSES AND PROPERTIES INDEX																									
C A																																																			
Geochemical peculiarities of the serpentinites of the North Caucasus. N. E. Efremov. <i>Compt. rend. acad. sci. U. R. S. S.</i> 28, 306 (1940) (in English); cf. C. A. 34, 9049.—Thermal analyses were made with Saladin Le Chatelier's app., leading to the typical gibbsite terrace at 300°, which is evidence of the presence of H₂O groupings of the type of Al₂O₃·nH₂O. All the curves distinctly show the presence of the serpentine terrace. In the absence of free hydrates of Al₂O₃, proof was obtained that the bonds of Al₂O₃ in the mol. of serpentines are fixed in the gibbsite terrace. A chem. analysis of serpentine gave SiO₂ 42.65, Al₂O₃ 2.18, Fe₂O₃ 2.64, FeO 1.29, MgO 30.07, H₂O* 1.00, H₂O* 11.28; MnO, CaO and CO₂ were absent. An examn. of the heating curve again showed the existence of a small but distinct gibbsite terrace at 305° and of a large endothermal effect at 707°, which corresponds to the serpentine grouping, accompanied by an exothermal jump at 842°. Conclusions are drawn on the probable genesis of Al-bearing serpentines. When in the course of metamorphism MgSi is replaced by Al, minerals of the chlorite type are produced, while, in replacing 3Mg by Al, substances different from chlorites are formed. The mineral studied is clearly of the latter type. 11 references. A. H. Kravue																																																			
ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
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The problem of classification of serpentine minerals by the method of thermal analysis. N. E. Efremov. <i>Compt. rend. acad. sci. U. R. S. S.</i> 28, 442-5 (1959) (in English). The chrysotiles studied (including chrysotile asbestos), in addn. to a large endothermal terrace beginning at about 600° (sometimes at 700°) and ranging to 750°, also show an exothermal effect at around 810°. This is contrary to Collège (C. A. 27, 4193) for β-antigorites which include these species. Pyrochloites, schweizerites and zermattites also show the exothermal effect. Similarly the gibbsite endothermal terrace, not given by C. in his classification, was obtained at about 300° from saponites and bowlingites D. W. Pearce																																																			
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 Chemical constitution of some hydrous silicates.
 Nikolai Yefremov. *Práce stá. geol. Pátera* (Slovakia)
 No. 110, 1-23 (1911) (German). A discussion of two
 morphous substitutions. Michael Fleischer

YEFEREMOV, Nikolai

2

✓ Kerchenites from the iron-ore deposits of the Crimean peninsula. Nikolai Yeferemov, Proc. Stenchenko Soc. Sci. 1953, 3 pp. The mineral formed from iron ore.

FeO, $2H_2O$, and oxykerchenite: $RO \cdot 4Fe_2O_3 \cdot 3P_2O_5 \cdot 2H_2O$. Kerchenite is a fine powder with a blue color and has a sp. gr. of 2.95 and a hardness of 1.5. It is pseudomorphic after vivianite $(3FeO \cdot P_2O_5 \cdot 6H_2O)$ with a $d = 1.032$ and a $c = 1.032$.

Walter Schwan

YEFREMOV, N.

f. Geikielite from Mount Jemurakly-Tube, North Caucasus.

U.S.S.R. N. Efremov. *Am. Mineralogist* 39, 305-6 (1954).--The geikielite has the following chem. compn.: SiO₂ 6.85, TiO₂ 37.52, Al₂O₃ 1.22, Cr₂O₃ 0.65, Fe₂O₃ 2.82, CaO 12.30, NiO 0.27, MgO 21.57, MnO 1.27, CuO 0.32, V₂O₅ 0.25, P₂O₅ 0.17, CO₂ 0.45, H₂O 0.17, sum 99.83%. It is black with a purplish brown streak, *H* 5, sp. gr. 4.1, uniaxial, neg., *n*_s 2.35, *e* 1.98, absorption weak *α* < *ε*. The geikielite forms prismatic crystals as much as 0-7 mm. in diameter, imbedded in a matrix of chromian chlorite.

G. Switzer

YEFREMOV, P.

27-1-6/19

AUTHOR: Yefremov, P., Assistant Head of the Labor Reserves Administration of the Arkhangel'skaya Oblast'

TITLE: Mechanizers in Wood Cutting Areas (Mekhanizator v lesoseke)

PERIODICAL: Professional'no-Tekhnicheskoye Obrazovaniye, 1958, # 1, pp 13-14 (USSR)

ABSTRACT: The article illustrates the Arkhangel'sk Oblast' school activities in preparing various mechanics for forestry work. In the Arkhangel'sk Oblast' are 8 schools and 1 technical school preparing tractor, power saw and crane operators, stokers, drivers, tractor and car mechanics and other specialized workers.

In 1957 these schools received considerable supplies: 20 KT-12 tractors have been converted from gas to diesel fuel and 30 supplementary tractors have been delivered. To train the future operators, 25 "Druzhba" power saws have been received. In addition, the schools got also new technical equipment, truck mounted cranes, cars, etc.

Special attention is drawn to get the students acquainted with tractors. At first they are taught all about the tractor

Card 1/2

Mechanizers in Wood Cutting Areas

27-1-6/19

mechanism, then comes the dismantling and assembling of the engine, repairs and so on. After the theoretical lessons the students start their practical training out of doors.

The author complains that the schools are still unsatisfactorily supplied with technical equipment and in particular with tractors.

AVAILBLE: Library of Congress

Card 2/2

AUTHOR: Yefremov, P. (Sochi)

SOV/25-58-11-39/44

TITLE: None Given

PERIODICAL: Nauka i zhizn', 1958, Nr 11, p 77 (USSR)

ABSTRACT: The author describes the feijoa tree which was imported from South America to Russia about 60 years ago, and is now widespread on the Crimean and Caucasian coasts. The fruits of this tree are very similar to strawberries in size and taste, but they can also be applied in medical science in case of hypertonia, gastric and intestinal diseases. The Experimental Station of Subtropical Cultures in Sochi is studying the possibilities of cultivating this tree in other regions.

Card 1/1

YEFREMOV, Petr Vladimirovich; PUSHKAREV, A.A., red.

[Business accounting in the industrial enterprises of
Kazakhstan] Khoziaistvennyi raschet na promyshlennykh pred-
priyatiakh Kazakhstana; uchebnoe posobie dlia studentov-
zaochnikov. Alma-Ata, Kazakhskii gos. univ. im. S.M.Kirova,
1960. 45 p. (MIRA 15:12)
(Kazakhstan—Finance)

KIM, Il'ya Lukich; BARANOV, M., red.; YEREMOV, P., red.

[Development of the state budget in the Kazakh S.S.R.]

Razvitie gosudarstvennogo biudzheta Kazakhskoi SSR,

Alma-Ata, Izd-vo "Kazakhstan," 1964. 129 p.

(MIRA 18:4)

PISARENKO, G.A.; RADYA, V.S.; GEROTSKIY, V.A.; BLIKANOV, A.A.; MOKRONOSOV, Ye.
D.; YEFREMOV, P.N.; BORSHCHER, L.B.; YEFIMOV, I.Z.; MYKOL'NIKOV, A.A.;
BATALOV, A.N.; TSEPOVA, M.N.

Casting magnesium cast iron into a chill with a metal core. Stal'
24 no.7:607-610 J1 '64. (MIRA 18:1)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov,
Iys'venskiy i Severskiy metallurgicheskiye zavody i Nizhne-Tagil'skiy
metallurgicheskiy kombinat.

YEFREMOV, P.V.; SHELEPOVA, G.S.

Accuracy of the calculation of the intensity of snow thawing.
Trudy TSIP no.134:77-84 '64 (MIRA 17:8)

S/169/63/000/001/051/062
D263/D308

AUTHOR: Yefremov, P.Ye.

TITLE: Experimental reconnaissance seismometric studies
in the Southern Kuybyshev region

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1963, 21,
abstract 1D111 (Novosti nef. i gaz. tekhn. Geolo-
giya, 1962, no. 6, 15-18)

TEXT: Reconnaissance and detailed studies were carried
out in the southern part of the Kuybyshev region, by the seismic
reflected method, in the search for elevations in Carboniferous and
Devonian deposits. In the reconnaissance studies, 4 seismic survey
parties investigated 670 km of profiles over an area of 1200 km²,
during one field season. As a result of these studies, a series of
main reflecting horizons has been traced continuously in Carboni-
ferous and Devonian strata, and 3 uplifted zones were discovered,
as well as 2 areas in which deep boring is promising. Detailed
studies confirmed the presence of these areas. Reconnaissance

Card 1/2

Experimental reconnaissance ...

S/169/63/000/001/051/062
D263/D308

studies have also shown a regional nonconfirmation of structural surfaces along the horizons of Upper Permian and lower deposits.

[Abstracter's note: Complete translation]

Card 2/2

ALEKSEYEV, G.P.; YEFREMOV, P.Ye.

Role and results of geophysical prospecting for oil and gas
in Kuybyshev Province. Neftegaz. geol. i geofiz. no. 5:42-47
'63. (MIRA 17:5)

1. "Kuybyshevneftegeofizika".

YEFREMOV, R.D. [Iefremov, R.D.]; POSTOLOVA, N.F. [Postolova, N.S.];
LOZITSKAYA, M.F. [Lozyts'ka, M.F.]

Use of acetate silk in the manufacture of Art. 7143 plush.
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YEFREMOV, S.

Introduce engineering designs to villages. Zhil.-kom. khoz. 13 no.3:6-7
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(Udmurt A.S.S.R.—Construction industry)

YEFREMOV, S., inzh.

We answer readers' inquiries. Na stroi.Ros. 4 no.6:28 Je '63.
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(Construction industry)

BUKSHTEYN, David Il'ich.; YEFREMOV, Sergey Andreyevich.; MALYUGIN, V.I., red.;
IL'IN, V.M., red.; MASLOV, N.A., red.; USPENSKIY, V.V., red.; CHERNYAK,
M.Ya., red.; SHASS, M.Ye., red.; KUTSENOVA, A.A., red. izd-va.;
TRYERMAN, T.M., tekhn. red.

[Material resources in building; determination and use of norms
of material consumption] Material'nye resursy v stroitel'stve;
metodika opredeleniya norm raskhoda materialov, dinamika ikh
ispol'zovaniya. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i
stroit. materialam, 1958. 80 p. (MIRA 11:12)
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YEFREMOV, S. A.

"Registration of Lands in Collective Farms of the Udmurt ASSR," Sub. 10 Apr 47,
Inst of Engineers for the Organization of Land Exploitation.

Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum.No.457, 18 Apr 55

1. YETREMOV, S. [H.]
2. USSR (600)
4. Land
7. Survey of communal lands of collective farms. Khlopkovodstvo no. 5, 1951

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Abs Jour: Ref Zhur-Biol., No 17, 1958, 78749.

Author : Yefremov, S. A.

Inst :

Title : Perspectives of the Development of Sheep Breeding
in Udmurt ASSR.

Orig Pub: Zhivotnovodstvo, 1958, No 12, 13-19.

Abstract: No abstract.

Card : 1/1

YE + REMOV, S. A.
YEFREMOV, S. A., kand. selskokhozyaystvennykh nauk.

Outlook for the development of sheep farming in the Udmurt A.S.S.R.
Zhivotnovodstvo 20 no.2:13-19 P '58. (MIRA 11:1)

1. Ministr sel'skogo khozyaystva Udmurtskoy ASSR.
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DUNAYEV, Ye.S.; YEFREMOV, S.A.; REYNIN, S.N., redaktor

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posobie po sostavleniiu smet na kapital'noe stroitel'stvo. Pod red.
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YEFREMOV, S.A.

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(Building--Estimates)

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[A practical manual on compiling estimates for the construction of
apartment houses and public buildings and for major repairs] Prak-
ticheskoe posobie po sostavleniiu smetnoi dokumentatsii na zhilishch-
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~~YEREMOV, Sergey Andreyevich~~; KUTSENOVA, A.A., redaktor izdatel'stva;
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[Technical standardization and estimates in construction] Tekhnicheskoe normirovanie i smety v stroitel'stve. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekt. Pt.2. [Estimates in construction]
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USPENSKIY, V.V., red.; KUTSENOVA, A.A., red.isd-va; TEMKINA,
Ye.L., tekhn.red.

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stroitel'stvo. Moskva, Gos.isd-vo lit-ry po stroit., arkhitekt. i
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BERZON, O.F.; LEBEDEV, S.A., red.; YEFREMOV, S.A., red.; PETROVA,
V.V., red. izd-va; KASIMOV, D.Ya., tekhn. red.

[Price list for the construction of housing and buildings
serving cultural and public needs in cities and territorial
regions of the R.S.F.S.R.] Preiskurantnye tseny na zhilishch-
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MALYUGIN, V.I.; YEFREMOV, S.A., kand. tekhn. nauk; REYNIN, S.N.;
BUKSHTEYN, D.I.; DUNAYEV, Ye.S.; KIL', A.Kh.; KRAKOVICH,
A.A.; FILIMONOV, S.Ye.; PETROV, I.A., prof., doktor
tekhn. nauk, nauchn. red.; GIROVSKIY, V.F., prof., doktor
ekon. nauk, nauchn. red.; GERASIMOVA, G.S., red. izd-va;
GOL'BERG, T.M., tokhn. red.

[Manual for estimated costs in construction] Spravochnik
po smetnomu delu v stroitel'stve. Moskva, Gosstroizdat,
Pt.2. 1963. 462 p. (MIRA 16:12)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-
issledovatel'skiy institut ekonomiki stroitel'stva.
(Construction industry--Costs)

MALYUGIN, V.I.; YEFREMOV, S.A., kand. tekhn. nauk; REYNIN, S.N.;
TURIANSKIY, M.A.; ARISTOV, S.S.; BUKSHTEYN, D.I.; DUNAYEV,
Ye.S.; GIROVSKIY, V.F., glav. red.; USPENSKIY, V.V., zam.
glav. red.; BASHINSKIY, S.V., red. [deceased]; GORBUSHIN,
P.B., red.; GUREVICH, M.S., red.; LEYKIN, B.P., red.;
MITIN, S.A., red.; GLAZUNOVA, Z.M., red. izd-va; GERASIMOVA,
G.S., red. izd-va; MOCHALINA, Z.S., tekhn. red.

[Manual on estimates in the construction industry] Spra-
vochnik po smetnomu delu v stroitel'stve. Moskva, Stroi-
izdat. Pt.1. 2 izd., dop. i perer. 1964. 521 p.

(MIRA 17:3)

1. Moscow. Nauchno-issledovatel'skiy institut ekonomiki
stroitel'stva.

YEFREMOV, S.D.

Efficiency in snow surveying. Meteor. i gidrol. no 1:58 Ja '53.
(MIRA 8:9)

1. Gidrometeorologicheskaya stantsiya, Moshga.
(Snow)

YEFREMOV, S.G.

Mechanization of insulating operations in the construction of
thermal electric power plants. Sbor. dokl. po gidr. VNIIG no.4:
205-214 '62. (MIRA 18:7)

POPCHENKO, S.N., kand.tekhn.nauk; LEONOV, B.V., inzh.; YEFREMOV, S.G., inzh.

Cold asphalt coatings for reinforced concrete roofs. From.
stroil. 40 no.5:26-30 '62. (MIRA 15:5)

(Asphalt)
(Roofing, Concrete)

POPCHENKO, Sergey Nikolayevich; LEONOV, Boris Vasil'yevich;
YEFREMOV, Stanislav Georgiyevich; STARITSKIY, P.G.,
red.

[New developments in the construction of nonrolled roofing of cold asphalt mastic] Novoe v stroitel'stve bezrullonnykh krovvel' iz kholodnykh asfal'tovykh mastik. Leningrad, 1964. 21 p. (MIRA 18:1)

KUKHTAROV, Vladimir Ivanovich; YUFRIMOV, S.I., inzh., red.; SOBOL'VA, G.N.,
red. izd-va; UVAROVA, A.F., tekhn. red.

[Durability of dies for cold sheet stamping] Stoikost' shtampov
dlia kholodnoi listovoi shtampovki. Moskva, Gos. nauchno-tekhn.
izd-vo mashinostroit. lit-ry, 1958. 88 p. (MIRA 11:9)
(Sheet-metal work) (Dies (Metal-working))

PHASE I BOOK EXPLOITATION

SOV/3361

(1)

Zefremov, Sergey Ivanovich

Tverdyye splayvy v shtampakh (Sintered Carbide Dies) Moscow, Mashgiz, 1959. 35 p.
6,000 copies printed.

Ed.: V.I. Kukhtarov, Engineer; Ed. of Publishing House: A.I. Sirotin, Engineer;
Tech. Ed.: G.V. Smirnova; Managing Ed. for Literature on Heavy Machine
Building: S.Ya. Golovin, Engineer.

PURPOSE: This booklet is intended for workers and technical personnel in the
field of cold stamping.

COVERAGE: The author discusses properties of sintered carbides and the technique
of making inserts. He describes the method of retaining the inserts in the
dies and discusses the calculation of sizes of inserts and dies as well as the
required power of the presses. The electro-erosion method for providing work-
ing parts of the die sets with sintered carbides is also described. No person-
alities are mentioned. There are no references.

Card 1/3

Sintered Carbide Dies

SOV/3361

TABLE OF CONTENTS:

Introduction	3
Ch. 1. Sintered Carbides, Their Properties and Technique of Making Carbide Inserts	5
Physical and mechanical properties of hard alloys	5
Technique of making carbide inserts	6
Mechanical machining of inserts	13
Method of crack detection in the carbide inserts	16
Retaining carbide inserts in the die sets	16
Design of sizes of carbide inserts and dies and selection of a proper press	17
Ch. 2. Die Sets With Inserts Made of Hard Alloys	
Die sets with inserts made of VK8 and VK15 sintered carbides	21
Die sets with inserts made of No. 1 cermet alloy	27
Causes of rejects in the making of inserts	30

Card 2/3

intered Carbide Dies

SOV/3361

Ch. 3. Electro-erosion Method of Providing the Working Parts of Die Sets With Carbides

32

AVAILABLE: Library of Congress (TS253.E33)

Card 3/3

VK/134P
4-25-60

15.8370

26435
S/113/60/000/007/006/006
D291/D305

AUTHOR: Yefremov, S.I.

TITLE: Plastic stamps for large-size automobile components

PERIODICAL: Avtomobil'naya promyshlennost', No. 7, 1960,
30 - 32

TEXT: At the Gor'kiy automobile plant, plastic stamps (drawn, molded, bended), made of plastics based on epoxide resin are introduced. These stamps are 4 times cheaper than those made of metal, and can be manufactured 3 - 4 time quicker than the metal ones. The author describes the technological process of plastic stamps manufacturing, and illustrates a large size plastic stamp for making rear wall of truck cabin. The molds for making plastic stamps are prepared of gypsum, wood and metal. At the Gor'kiy automobile plant, Orlov gypsum **TY-54** (TU -54) is used for this purpose. The molds for castings are dried during 24 - 28 hours at 45 - 55°C, or during 7 - 8 days at room temperature before they are used. A pertinent table showing the

Card 1/3

26435
S/113/60/000/007/006/006
D291/D305

Plastic stamps...

plastic components is given. The casting is done by a thin jet at 15 - 20°C. In order to insure easy separation of plastic from the mold, its working surface is lubricated by a special composition (polyisobutylene ВТУ МАН В-16-65-54Р (VTU MAP V - 16 - 65 - 54R) mixed with benzine, brand ГАЛОША "Galosha" ГОСТ 443 - 50 (GOST 443 - 50). The process of thermal treatment lasts 48 hours. Plastic castings undergo only slight shrinkage. The form of their surfaces does not change after cooling. Such plastics can be sawn, drilled, threaded or ground without any difficulty. Specific weight of plastics is 1.8 gr/cm³; their compressive strength is 1400 kg/cm². The epoxide plastics become solidified within 24 - 48 hours at 16 - 20°C. Before casting, the mold is coated inside with glue No. 200 ТУ No. 6202/433-54 (TU No. 6202/4336-54) and a separating sheet made of lead is inserted into it. Repair of wornout plastics is done by putting a special paste on them. Components of this paste are: epoxide resin ЭД-5 (ED - 5) or ЭД-6 (ED - 6), dibutylphthalate,

Card 2/3

26435

S/113/60/000/007/006/006
D291/D305

Plastic stamps...

solidifier, kaolin **DOCT** 6138-52 (GOST 6138-52) and foundry graphite. After consolidation, the repaired sections are heated for 2 - 3 hours at 50 - 80°C or kept 7 - 10 days at room temperature. There are 2 figures and 1 table.

ASSOCIATION: Gor'kovskiy avtozavod (Gor'kiy automobile plant)

Card 3/3

YEFREMOV, Sergey Ivanovich; KNYAZEV, V.V., red.; SERGEYEVA, M.I., tekhn.
red.

[Repairing dies used in automobile plants] Remont shtampov v avto-
mobil'nom proizvodstve. Gor'kii, Gor'kovskoe knizhnoe izd-vo, 1961.
(MIRA 14:10)

251 p.

(Dies (Metalworking))—Maintenance and repair)

YEFREMOV, S.I.

Dies made of plastics. Plast.massy no.10:43-48 '62.
(MIRA 15:11)

(Plastic tools)

YEFREMOV, Sergey Ivanovich; LEN'KOV, S.S., nauchnyy red.; BOBROVA,
I.L., red.; DORONKOVA, L.A., tekhn. red.

[Plastic dies] Shtampy iz plastmass. Moskva, Proftekhizdat,
1962. 59 p. (MIRA 15:10)
(Dies(Metalworking)) (Plastics)

S/182/63/000/001/010/012
A004/A126

AUTHOR: Yefremov, S. I.

TITLE: Use of plastic dies

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 1, 1963, 43 - 44

TEXT: The author reports on the use of plastic dies in the automobile industry and points out that these dies are 3-4 times cheaper and are produced 3 - 4 times faster than metal dies. Plastic dies are used in stamping small, medium and large-size components of 08 sheet steel up to 1.6 mm in thickness. The author enumerates a number of important factors that have to be taken into account in working with plastic dies to prevent a violation of the manufacturing technology. To increase the service life of plastic dies, it is recommended to metallize their working area by applying a layer of molten high-carbon steel or nickel-chromium-molybdenum alloy 0.5 - 0.75 mm thick with the aid of a manual metal spray gun. The author describes this method developed by NIITAvtoprom. The repair of plastic dies consists mainly in the reconditioning of worn and damaged working surfaces. The facing layer of the die is generally reconditioned with an

Card 1/2

S/182/63/000/001/010/012
A004/A126

Use of plastic dies

epoxy compound. Thus the service life of a reconditioned upper die amounts to 17,000 parts of 08 sheet steel 0.9 mm in thickness. If, after the packing of the original plastic layer, a second reconditioning of the upper die is performed, its service life increases up to 60,000 parts. There are 2 figures and 1 table. ✓

Card 2/2

YEFREMOV, S.I.

Plastic dies. Mashinostroitel' no.7:17-18 JI '63. (MIRA 16:9)
(Dies (Metalworking)) (Plastics)

YEFREMOV, S.I.

High-efficiency production of hard-alloy plates. Biul.tekh.-
ekon.inform.Gos.nauch.-issl.inst.nauch. i tekhn.inform. 16 no.
(MIRA 16:11)
10:54-55 '63.

YEFREMOV, S.I.

Hard-alloy cutters for machining dies. Mashinostroitel' no.10:24
0 '63. (MIRA 16:12)

YEFREMOV, S.I.

Plant practice in manufacturing hard alloy plates. Mashino-
stroitel' no.12:31 D '63. (MIRA 17:1)

YEFREMOV, S.I.

Practice of the Gorkiy Automobile Plant in building-up dies.
Mashinostroitel' no.3:11 Mr '64. (MIRA 17:4)

YEFREMOV, S.I.

Plastic fixtures for checking. Mashinostroitel' no. 5:30-31
My '64. (MIRA 17:7)

YEFREMOV, S.K., inzhener.

High-speed concreting in a mobile form. Stroil.prom. vol. 31 no.9:22 S '53.
(MIRA 6:9)
(Concrete construction)

Yefremov, S.K.
YEFREMOV, S.K.

Standard jack rod with an expanding stopper used for sliding forms.
Rats. 1 izobr. predl. v stroi. no.3:16-22 '57. (MIRA 11:1)
(Reinforced concrete construction--Formwork)

YEFREMOV, Sergey Mikhaylovich; ZHIVOV, Kirill Ivanovich; NOVIKOV, A.K.,
ret.senent; SEGAL, N.M., red.; KNAKHIN, M.T., tekhn.red.

[AT-175-L1 automatic loom with a Zh-13 Jacquard machine] Avto-
matischenkii tkatskii stanok AT-175-L1 s zhakkardovoi mashinoi
Zh-13. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi prom.,
1958. 111 p. (MIRA 12:2)

(Looms)

YEFREMOV, S.M.

The AT-120-5 automatic loom. Biul.tekh.-ekon.inform. no.8:
49-51 '59. (MIRA 13:1)
(Looms)

YEFREMOV, S.M.

The M4-150-L1 flax-reeling machine. Biul.tskh.-ekon.inform.
no.5:55-57 '59. (MIRA 12:8)
(Reels (Textile machinery))

YEFREMOV, S.M.

The AT-175-5 automatic loom, Biul.tekh.-ekon.inform.
no.2:45-47 '60. (MIRA 13:6)
(Looms)

AUTHOR YEFREMOV, S.P. STRIGANOV A.R., GAVRILOV F.F., YEFREMOV S.P. PA - 2721
TITLE A Method for the Qualitative Spectral Analysis of Isotope Compositions of Enriched Uranium. (Metod spetral'nogo kolichestvennogo analiza izotopnogo sootnosheniya obogashchennogo urana. - Russian.)
PERIODICAL Atomnaya Energiya 1957, Vol 2, Nr 4, pp 337 - 344 (USSR).
ABSTRACT Received: 5/1957 Reviewed: 6/1957
 The authors developed a photographic method for the spectral analysis of the isotope composition of enriched uranium at concentrations of from 2 to 90 % U^{235} and higher. The possibilities of this method and its advantage compared with other methods are shown here by the example of uranium. Besides, the present work carries out an experimental examination of the calibration curves used for the analysis of the isotopes of heavy elements.
Experiment: The glass three-prism spectrograph ISP-51 with the autocollimation chamber UF-85 (F = 1300 mm) served as spectroscope. An alternating current arc served as a light source. Liquid samples in form of an aqueous solution of nitric acid uranium salt was best suited. Solutions of the salts of natural as well as of enriched uranium were used for the composition of the two-isotope standards $U^{235} + U^{238}$.

CARD 1/2

PA - 2721

A Method for the Qualitative Spectral Analysis of Isotope Compositions of Enriched Uranium.

Selection of the spectral line: For the isotope analysis of uranium the line $4244,374 \text{ \AA}$ of the uranium is best suited because it belongs to the group of the most sensitive lines and has a high isotope shift. Besides, this line is located in a domain that is free from cyanogen bands. A photograph shows the well separated components of this line corresponding to the isotopes.

U^{235} and U^{238} . The scheme of transitions and the isotope structure of this line are shown in form of a diagram. A formula is given and discussed for the calibration curves. Microphotographs of the spectra of three uranium samples enriched with 2,82, 9,52 and 50% are added. The results found here determine sufficiently well the general deliberations concerning the course of the calibration curves in the case of the existence of a background and the reciprocal location of the isotope lines.

In conclusion, carrying out of the analysis and the accuracy of the method are discussed. This method is at least as accurate and essentially quicker than the other methods. Total analysis of a sample does not take longer than 1 hour. (8 illustrations and 2 tables.)

CARD 2/2

ASSOCIATION: not given.

20.7. 1978.
Library of Congress.

YEFREMOV, S.P.; P'YAVCHENKO, N.I.

Genesis of rolling bogs in the Podkamennaya Tunguska basin.
Izv. SO AN SSSR no.12; Ser. biol.-med. nauk no.3:37-43 '64.
(MIRA 18:6)
1. Institut lesa i drevesiny Sibirekogo otdeleniya AN SSSR,
Krasnoyarsk.

TURCHENEV, N.I.; YEFREMOV, S.S.

Distribution of pressure in the gas flow of RDS and RSD
regulators. Gaz. prom. 5 no. 12:18-21 D '60. (MIRA 14:1)
(Pressure regulators)

YEFREMOV, S.S.; GUSAROV, Ye.I.

Working characteristics of types RD-12, 2RD-32, and RD-50 case
regulator units from the results of bench tests. Trudy VNIIT
no.13:127-132 '64. (MIRA 18:2)

YEFREMOV, Sergey Vasil'yevich; STRUGACH, Vladimir Abramovich;
DUBINSKAYA, Vera Aronovna; VINOGRADOV, V.L., red.; PLEMYANNIKOV,
M.N., red.; MARAKOSOVA, L.P., tekhn. red.

[Intaglio printing] Glubokaia pechat'. Moskva, Izd-vo
"Sovetskaia Rossiia," 1961. 372 p. (MIRA 15:3)
(Plate printing)

YEFREMOV, Tamir Filippovich; SUSHCHINSKIY, Mikhail Mikhaylovich; VASIL'YEV,
A.K., inzh., retsenzent; DUGINA, N.A., tekhn. red.

[The KAVZ-651A motorbus; construction and operation] Avtobus KAVZ-
651A; ustroistvo i ekspluatatsiia. Moskva, Gos. nauchno-tekhn. izd-
vo mashinostroit. lit-ry, 1961. 350 p. (MIRA 14:11)
(Motorbuses)

ARTEM'YEV, S.; BABKOV, V.; BIRULYA, A.; BOGOMOLOV, A.; BOCHIN, V.; BRILING, N.;
VAKHRUSHIN, N.; VOLKOV, M.; GURARIY, M.; DADENKOV, Yu.; YEFREMOV, V.;
ZELENKOV, G.; IVANOV, N.; IGOLKIN, N.; KUDRYAVTSEV, A.; LITVIN, N.
MIKHAYLOV, V.; PROKOP'YEV, I.; SARKIS'YANTS, G.; ROMANENKO, I.;
STRAMENTOV, A.; FEDOROV, V.; KHACHATUROV, A. i dr.

Anatolii Pavlovich Khmel'nitskii. Avt. dor. 21 no.12:30 D '58.
(MIRA 12:1)
(Khmel'nitskii, Anatolii Pavlovich, 1907-1958)

BITYUKOV, A.; YEFREMOV, V.

You neglected your duty, you answer for it. Zhil.-kom.khoz. 11
no.6:11-12 Je '61. (MIRA 14:7)

1. Upravlyayushchiy domami Pervomayskogo rayona Krasnodar (for
Bityukov). 2. Predsedatel' domovogo komiteta domoupravleniya No.12
Pervomayskogo rayona, Krasnodar (for Yefremov).
(Krasnodar—Housing administration)

YEFREMOV, V.

Our pride. Prom. koop. 14 no.5:35 My '60.

(MIRA 13:12)

1. *Predsedatel' pravleniya skornyazhnoy arteli, derevnya Sotskoye, Moskovskoy oblasti.*

(Sotskoye--Fur trade)

YEFREMOV, V., inzhener (g.Izhevsk); USTINOV, V. (g. Izhevsk).

Bag loom with mechanical drive. Prom.koop. no.4:23 Ap '57.
(MIRA 10:7)

(Looms)

YEFREMOV, V

YEFREMOV, V., doktor tekhn.nauk.

Automobile repair plants in the U.S.S.R. Avt.transp. 35 no.10:
14-15 0 '57. (MIRA 10:10)
(Automobiles--Repairing)

YEFREMOV, V., doktor tekhn.nauk, prof.

Cooperation of motor-vehicle plants, automotive transportation
units, and repair shops. Avt.transp. 38 no.6:28-29 Je '60.

(MIRA 14:4)

(Motor vehicles—Maintenance and repair)

YEFREMOV, V., zasluzhennyy deyatel' nauki i tekhniki, doktor tekhn.nauk, prof.

Means for improving the quality of repairing. Avt.transp. 40 no.1:
23-27 Ja '62. (MIRA 15:1)

(Motor vehicles--Maintenance and repair)