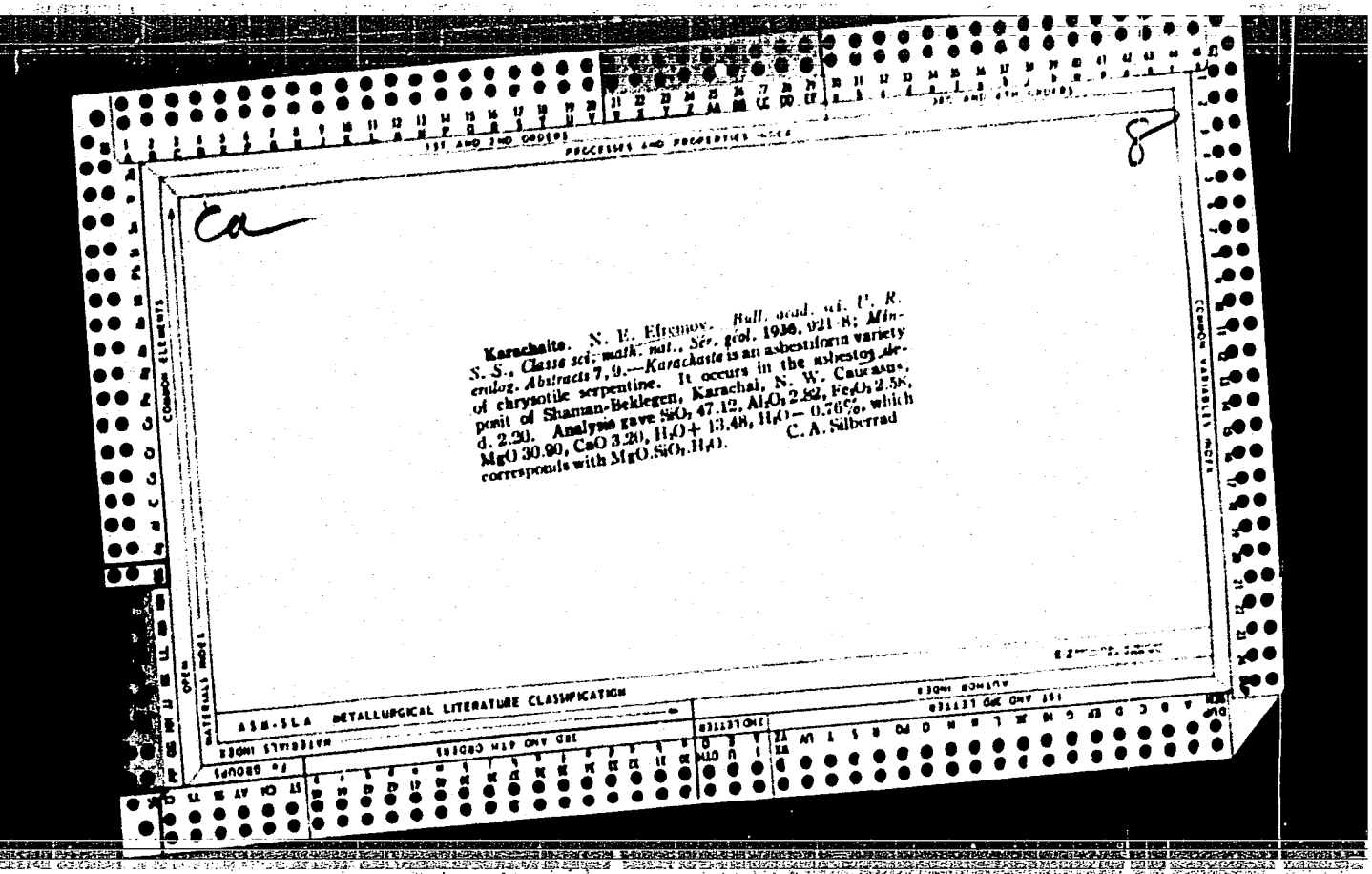
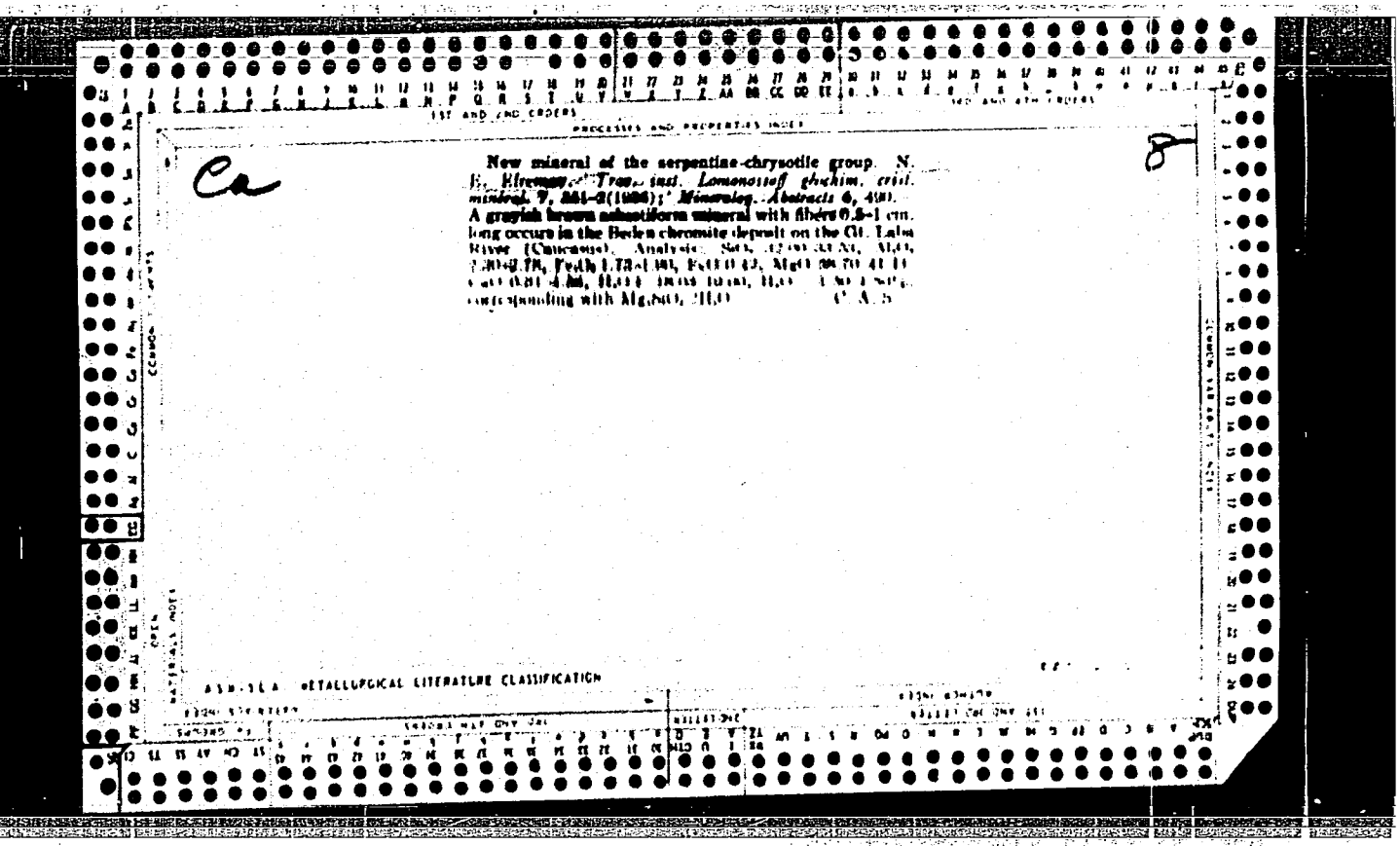


Karachaite. N. E. Efremov. *Bull. acad. sci. U. R. S. S., Classe sci. math. nat., Sér. géol.* 1936, 921-8; *Mineralog. Abstracts* 7, 9.—*Karachaite* is an asbestiform variety of chrysotile serpentine. It occurs in the asbestos deposit of Shaman-Beklegen, Karachai, N. W. Caucasus, d. 2.20. Analysis gave SiO_2 47.12, Al_2O_3 2.82, Fe_2O_3 2.58, MgO 30.90, CaO 3.20, H_2O+ 13.48, H_2O- 0.76%, which corresponds with $MgO.SiO_2.H_2O$.

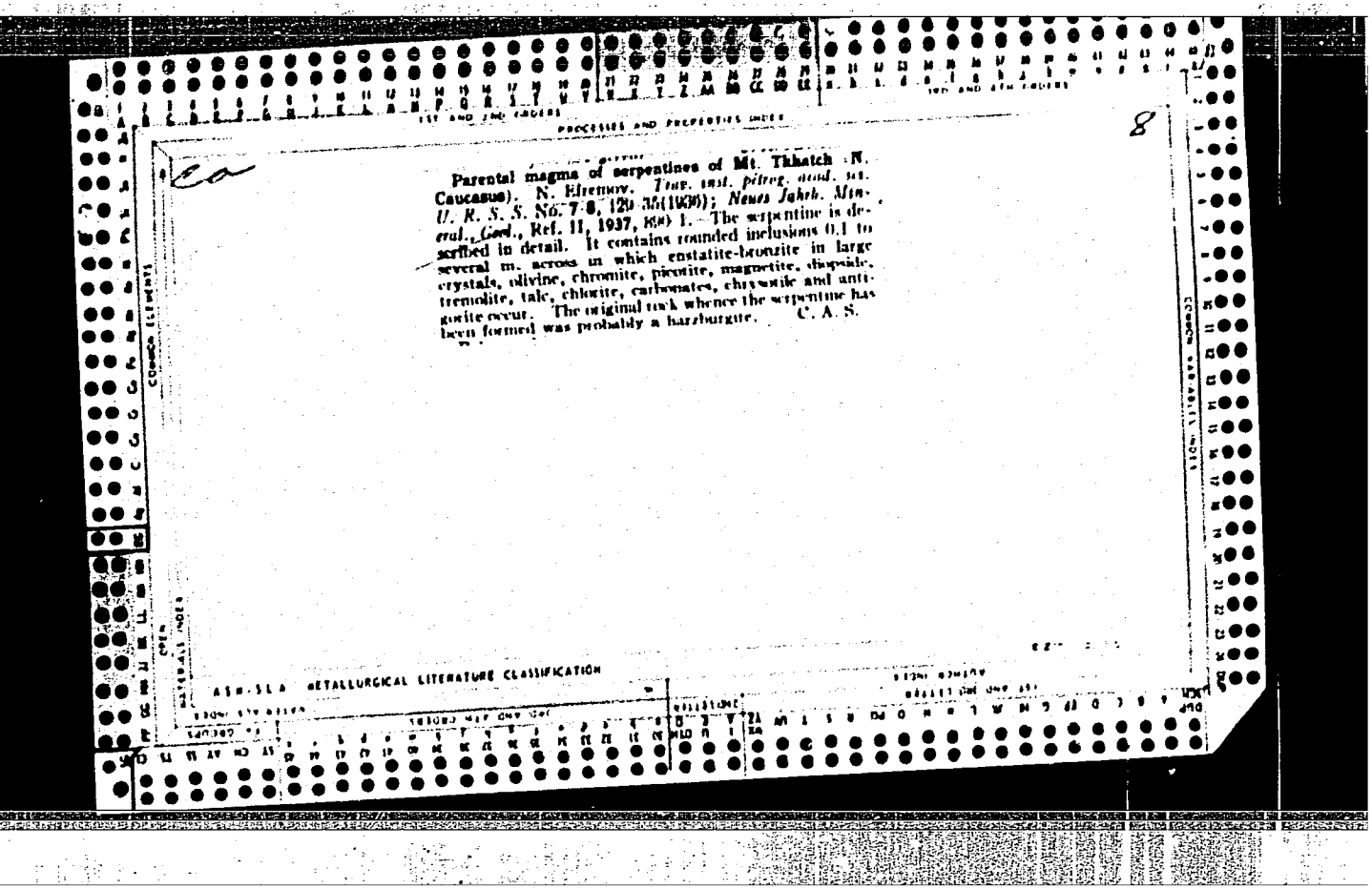
C. A. Silberrad



Ca

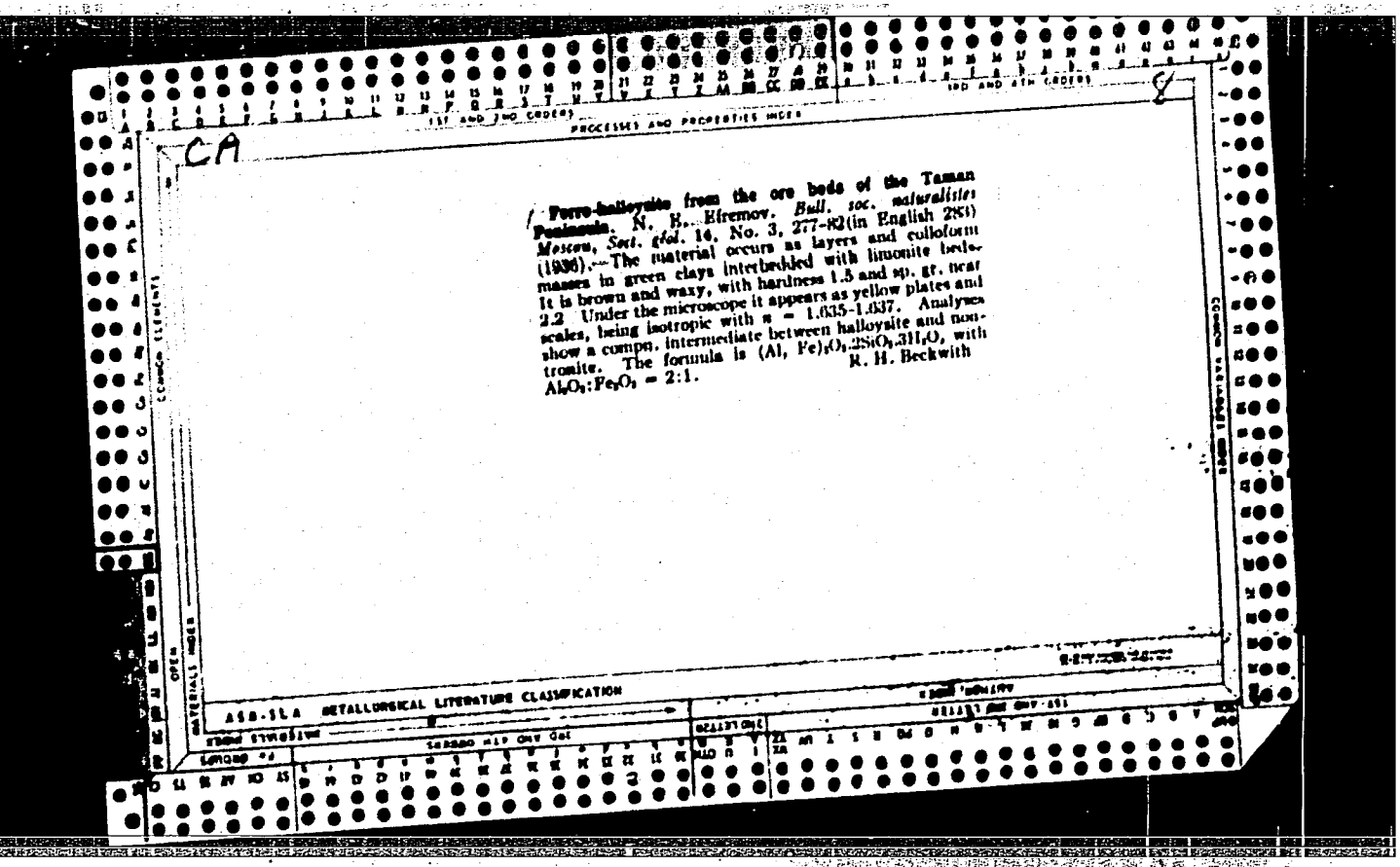
New mineral of the serpentine-chrysotile group. N. [illegible] Khrenov. *Trans. inst. Lomonossoff ghchim. crist. mineral.* 9, 261–2(1936); *Mineralog. Abstracts* 6, 480.
A grayish brown asbestiform mineral with fibers 0.5–1 cm. long occurs in the Bedon chromite deposit on the Gl. Lalm River (Caucasus). Analysis: [illegible]

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Parental magma of serpentines of Mt. Tkhatch (N. Caucasus). N. Efremov. *Trav. inst. pétrog. acad. sci. U. R. S. S.* No. 7-8, 129-35(1936); *Neues Jahrb. Mineral., Geol.*, Ref. II, 1937, 880) 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, chromite and antigorite occur. The original rock whence the serpentine has been formed was probably a harzburgite. C. A. S.

8



CA

Ferro-halloysite from the ore beds of the Taman Peninsula. N. K. Efremov. *Bull. soc. naturalistes Moscou, Sect. géol.* 14, No. 3, 277-82(in English 281) (1936).—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 $n = 1.635$-1.637. Analyses show a compn. intermediate between halloysite and nontronite. The formula is $(Al, Fe)_2O_3.2SiO_2.3H_2O$, with $Al_2O_3:Fe_2O_3 = 2:1$.

R. H. Beckwith

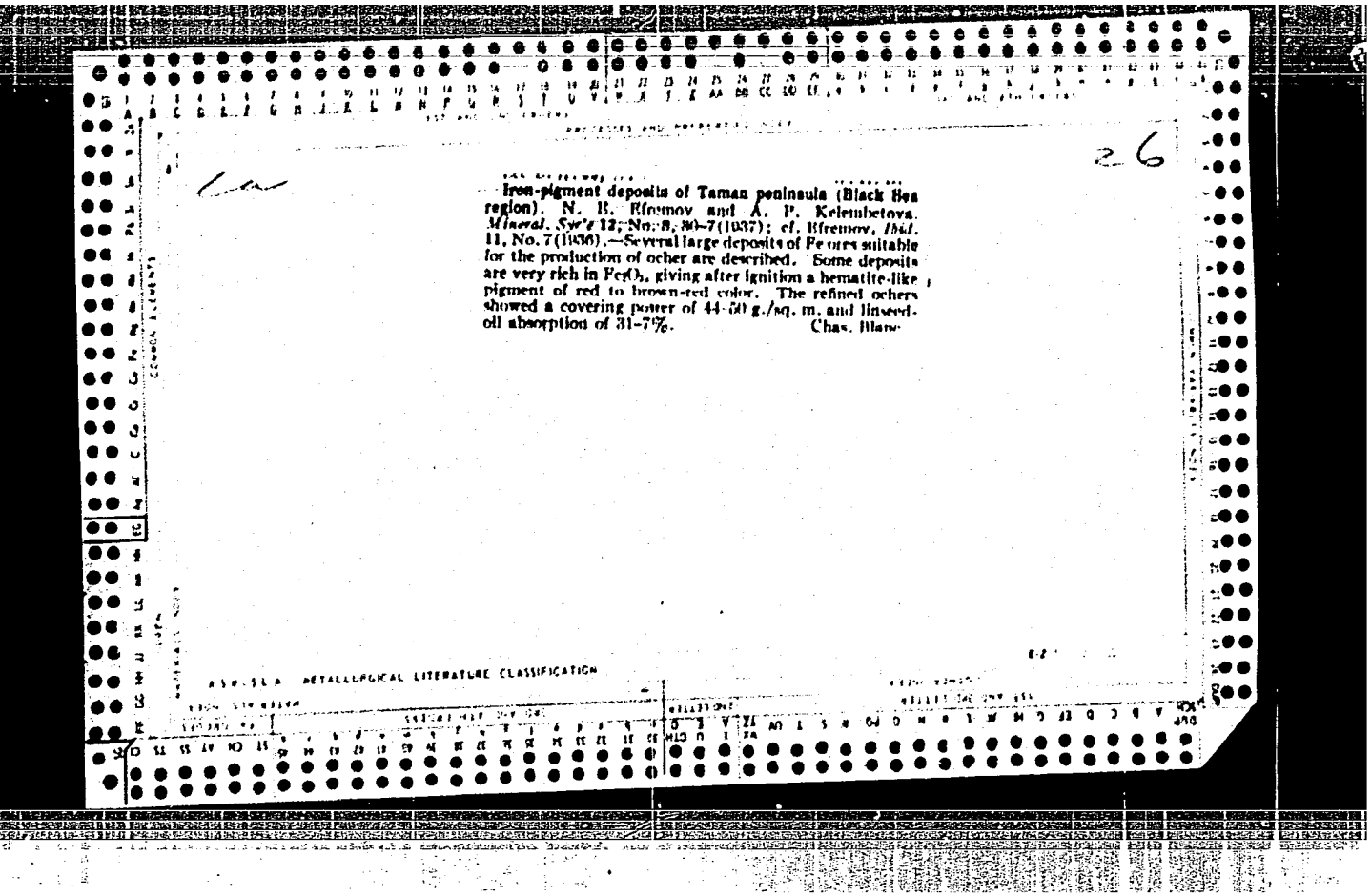
Nefedievite and keffekilite from the Laba region, north Caucasus. N. E. Efremov. *Mém. soc. russe minéral.* 65, 90-107(1936); *Mineralog. Abstracts* 7, 104(1938).—Two varieties of bentonitic unctuous clays both cryst. and more or less fibrous, are described: (1) keffekilite, a microscopically homogeneous, somewhat scaly aggregate, n, 1.535; and (2) nefedievite, n 1.530. Complete analyses are given. C. A. Silberrad

METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

Azovskite, a new mineral of the hydroferriphosphate group. N. I. Efremov. *Trav. inst. Lomonossoff géochim., cristallogr. minéral. Bull.* No. 10, 151-4 (in English 154-5) (1937).—The compn. of this mineral was found to be: $P_2O_5.3Fe_2O_3.6H_2O$ = $FePO_4.2Fe(OH)_3$, or $FePO_4.2Fe(OH)_3.3H_2O$. It is sol. in HCl and HNO_3. Azovskite is analogous to evansite $AlPO_4.2Al(OH)_3.6H_2O$. A detailed analysis is given. J. S. Joffe

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Iron-pigment deposits of Taman peninsula (Black Sea region). N. B. Efremov and A. P. Kelembetova. *Mineral. Syr'e* 12, No. 8, 80–7 (1937); cf. Efremov, *Ibid.* 11, No. 7 (1936).—Several large deposits of Fe ores suitable for the production of ocher are described. Some deposits are very rich in Fe_2O_3, giving after ignition a hematite-like pigment of red to brown-red color. The refined ochers showed a covering power of 44–60 g./sq. m. and linseed-oil absorption of 31–7%. Chas. Blanc

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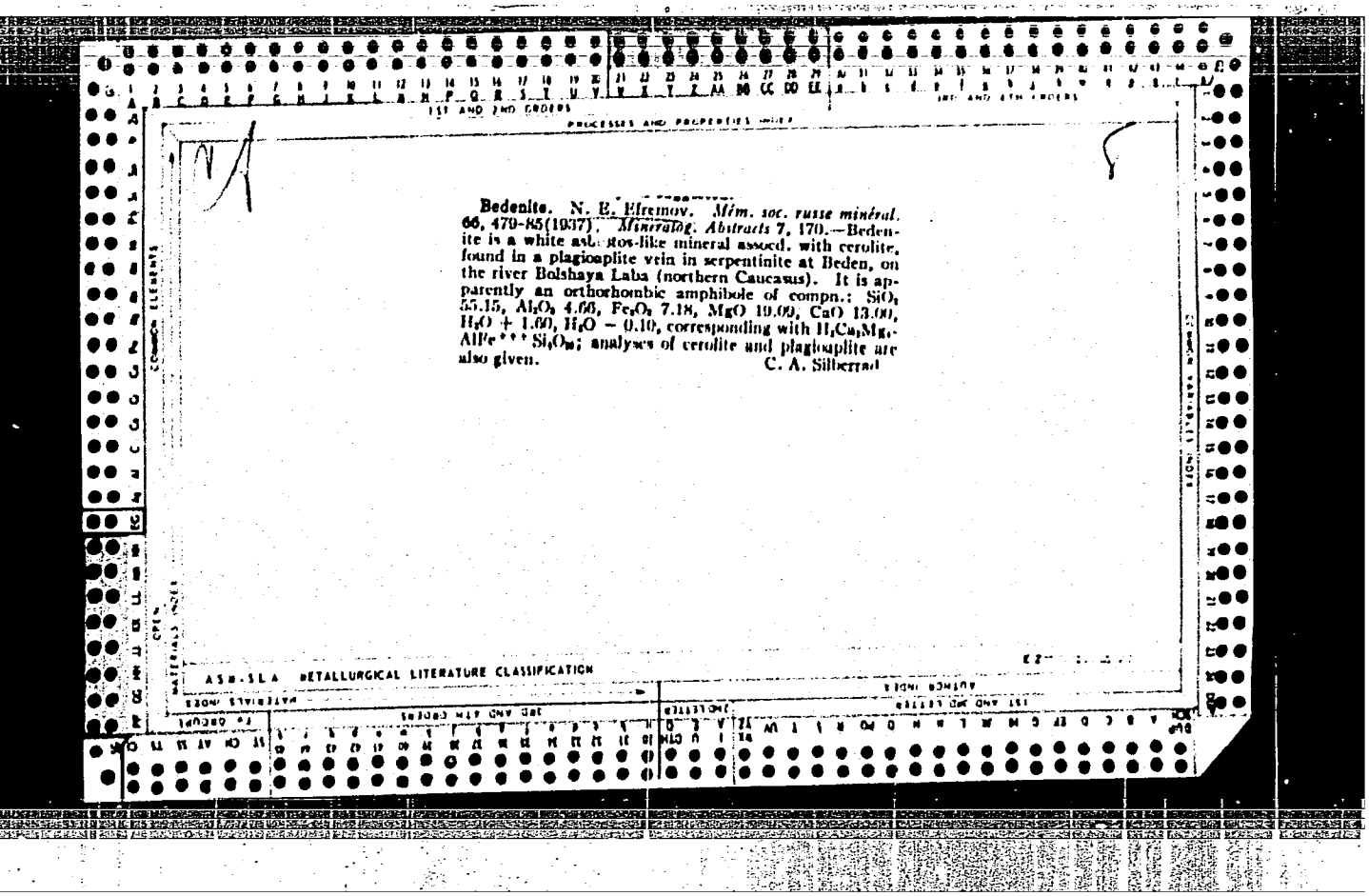
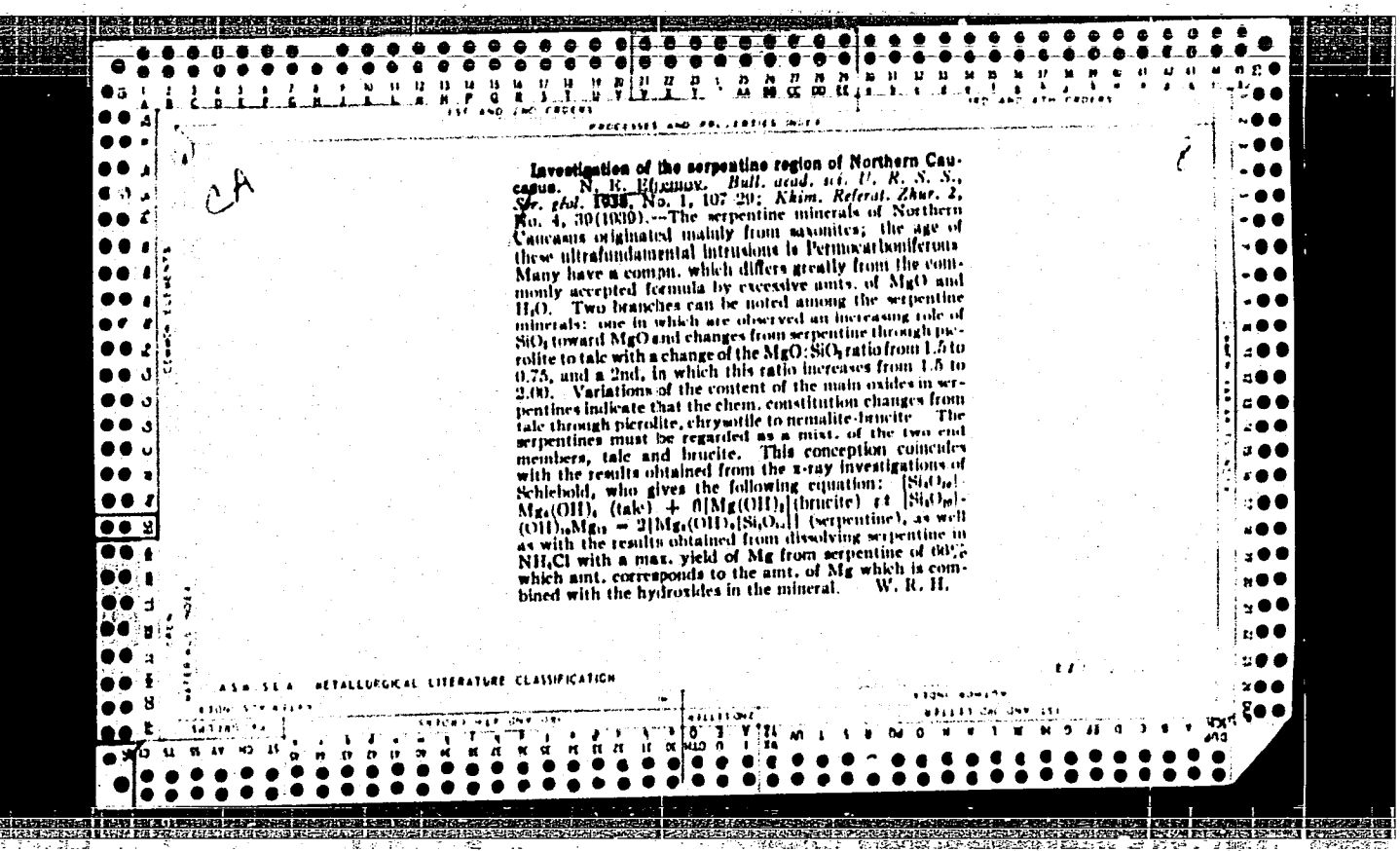
A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION



Bedenite. N. E. Efremov. *Mém. soc. russe minéral.* 66, 479-85(1937). *Mineralog. Abstracts* 7, 170.—Bedenite is a white asbestos-like mineral assocd. with cerolite, found in a plagioaplite 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 13.00, H_2O + 1.60, H_2O − 0.10, corresponding with $H_2Ca_2Mg_5AlFe^{+++}Si_8O_{24}$; analyses of cerolite and plagioaplite are also given.

C. A. Silberrad



Investigation of the serpentine region of Northern Caucasus. N. K. Blyumov. *Bull. acad. sci. U. R. S. S., Sér. géol.* **1938**, No. 1, 107-20; *Khim. Referat. Zhur.* **2**, No. 4, 30(1939).--The serpentine minerals of Northern Caucasus originated mainly from saxonites; the age of these ultrafundamental intrusions is Permocarboniferous. Many have a compn. which differs greatly from the commonly accepted formula by excessive amts. of MgO and H_2O. Two branches can be noted among the serpentine minerals: one in which are observed an increasing role of SiO_2 toward MgO and changes from serpentine through picrolite to talc with a change of the MgO:SiO_2 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 picrolite, 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: $[Si_4O_{10}]Mg_3(OH)_2$ (talc) + $6[Mg(OH)_2]$ (brucite) $\rightleftarrows$ $[Si_4O_{10}]_2(OH)_{12}Mg_{10} = 2[Mg_3(OH)_4[Si_2O_5]]$ (serpentine), as well as with the results obtained from dissolving serpentine in NH_4Cl 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.

CA

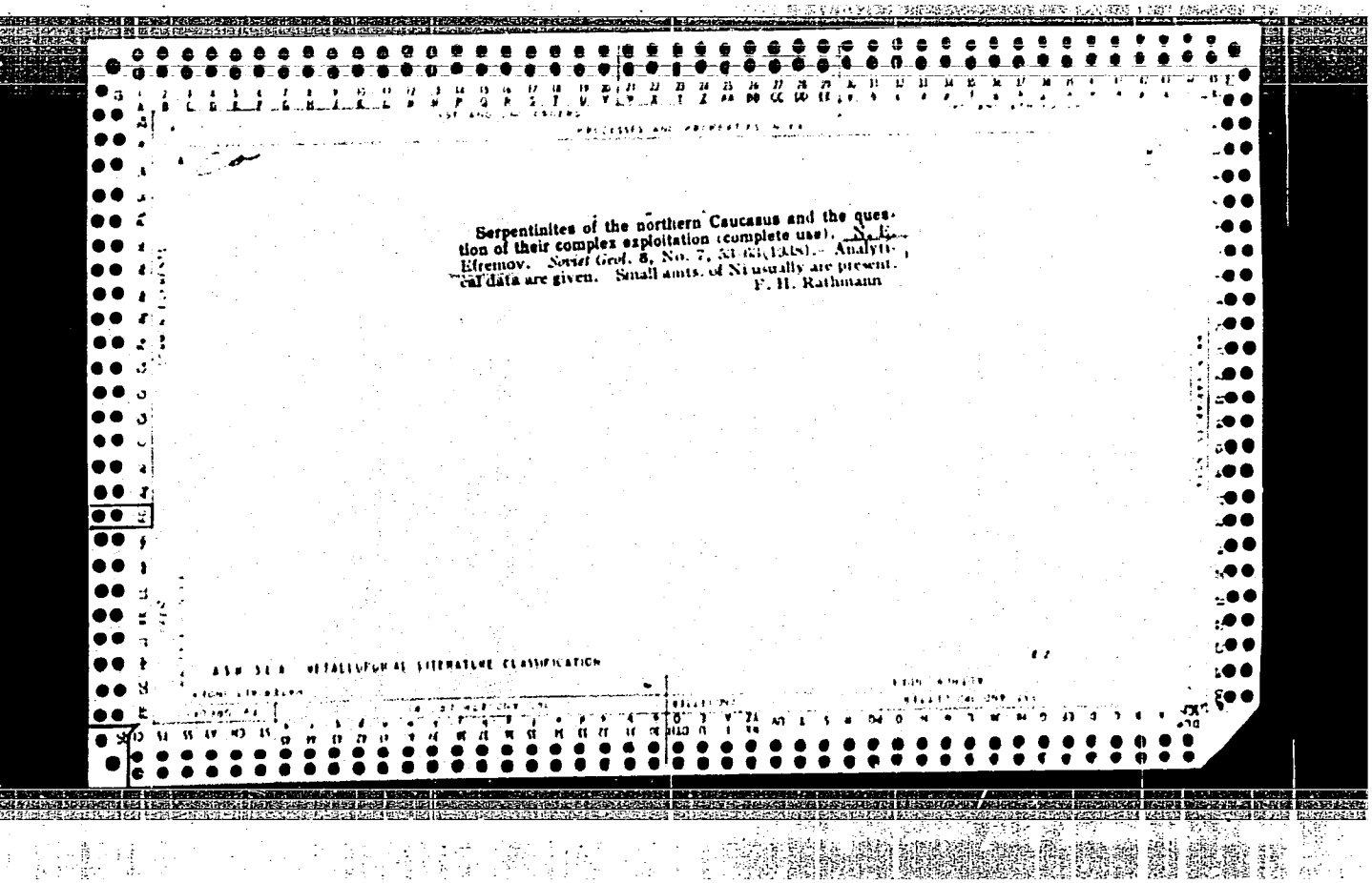
The new mineral abkhazite. N. E. Efremov. *Trudy Inst. Geol. Nauk., Akad. Nauk S.S.S.R.* No. 11, *Mineral.-Geokhim. Ser.* No. 3, 37-44(1938).—An extensive review of amphiboles is presented giving their compn. For some minerals x-ray data are given. Abkhazite resembles hornblende, the compn. being expressed in the formula: $(OH)_2(Ca, Na, Mn, K)_3(Mg, Fe^{++}, Fe^{+++}, Al)_{4.5}(Si)_8O_{22}$. I. S. Joffe

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

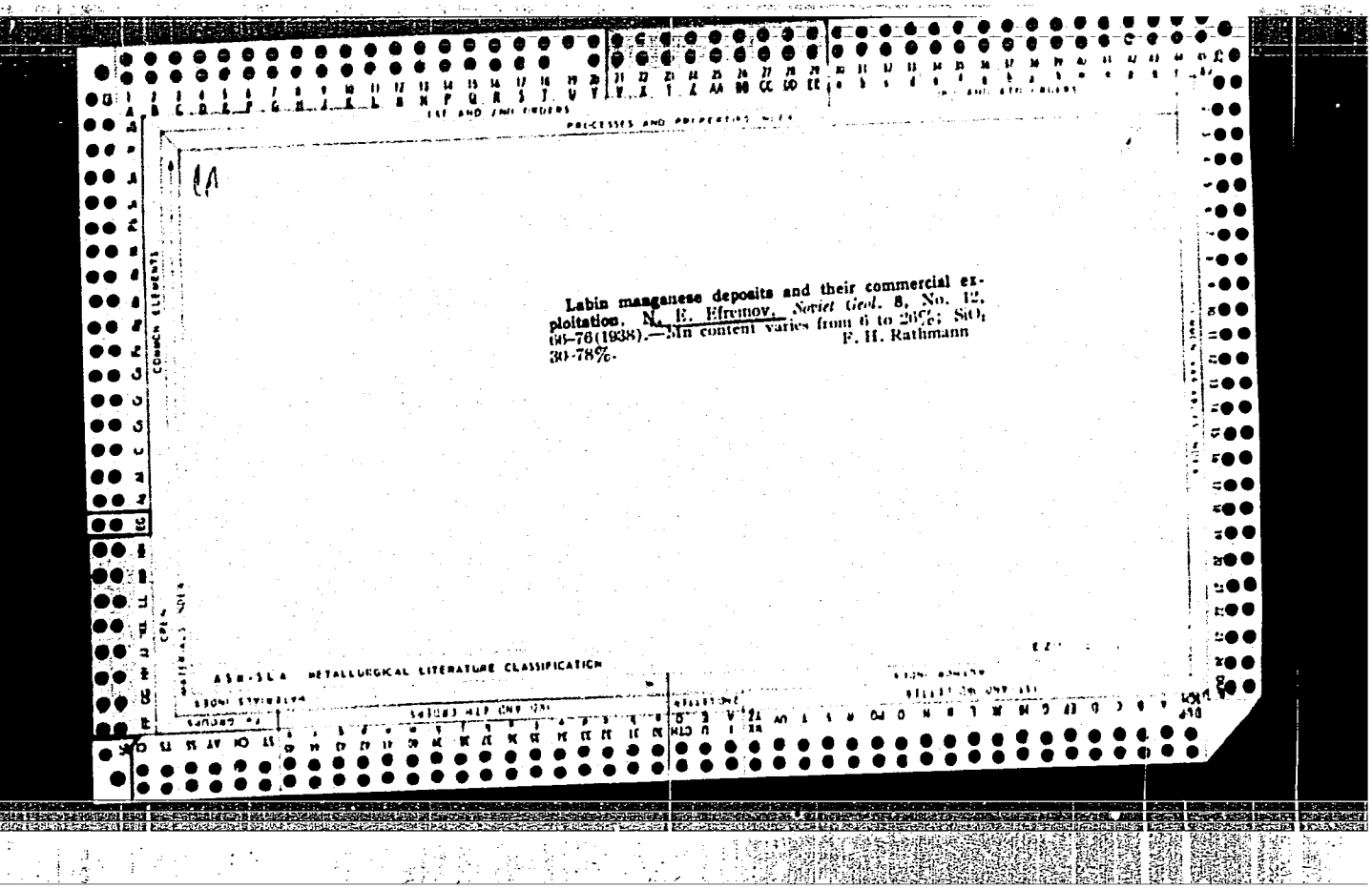
PROCESSES AND PROPERTIES

Origin of iron ore deposits of the Kerch and Taman Peninsulas. N. B. Efremov. *Sovet Geol.* 8, No. 5, 71-80 (in English, 89-90)(1938).—The various deposits consist of at least 47 ferrous and nonferrous minerals. The primary deposits were chiefly siderite-chamosite; by chem. and biochem. reductions these had been converted to ochrous, vuggy and brown oölitic oxidized and hydrated iron-ore varieties. Primary deposition was due to halmorolysis with local hypergenesis and hydrothermal processes giving a siderite-leptochlorite-brown iron ore-magnetite-hematite complex. New minerals found here were anovakite (*C. A.* 32, 2873[9]), Ca ferriphosphate (*C. A.* 32, 8511), kerchenite and ferrihaloysite (*C. A.* 32, 4170[9]). P. H. R.

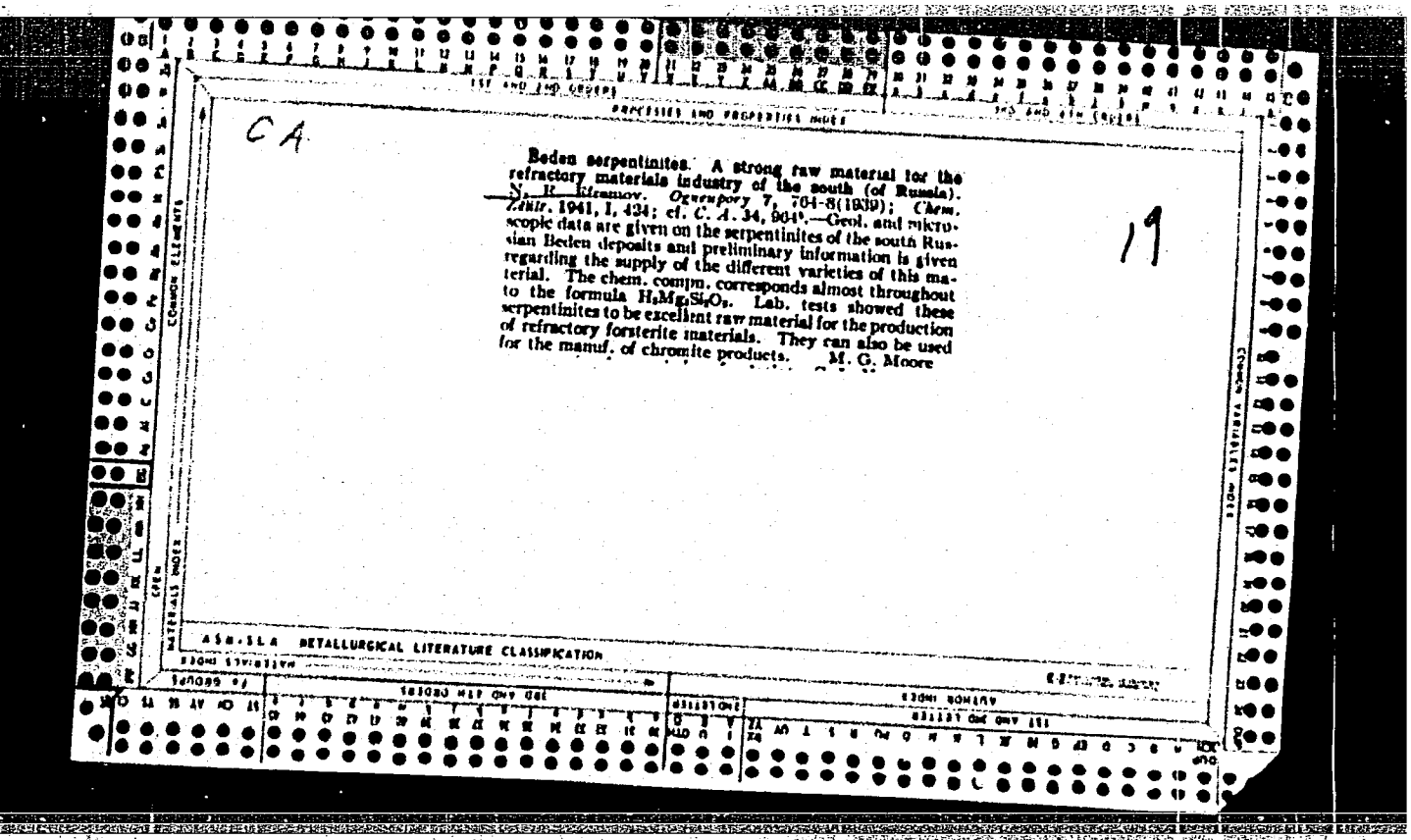
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Serpentinites of the northern Caucasus and the question of their complex exploitation (complete use). [illegible] Efremov. *Soviet Geol.* 8, No. 7, [illegible]. Analytical data are given. Small amts. of Ni usually are present.
F. H. Rathmann



Labin manganese deposits and their commercial exploitation. N. E. Efremov. *Soviet Geol.* 8, No. 12, 69–76 (1938).—Mn content varies from 6 to 26%; SiO$_2$ 30-78%. F. H. Rathmann

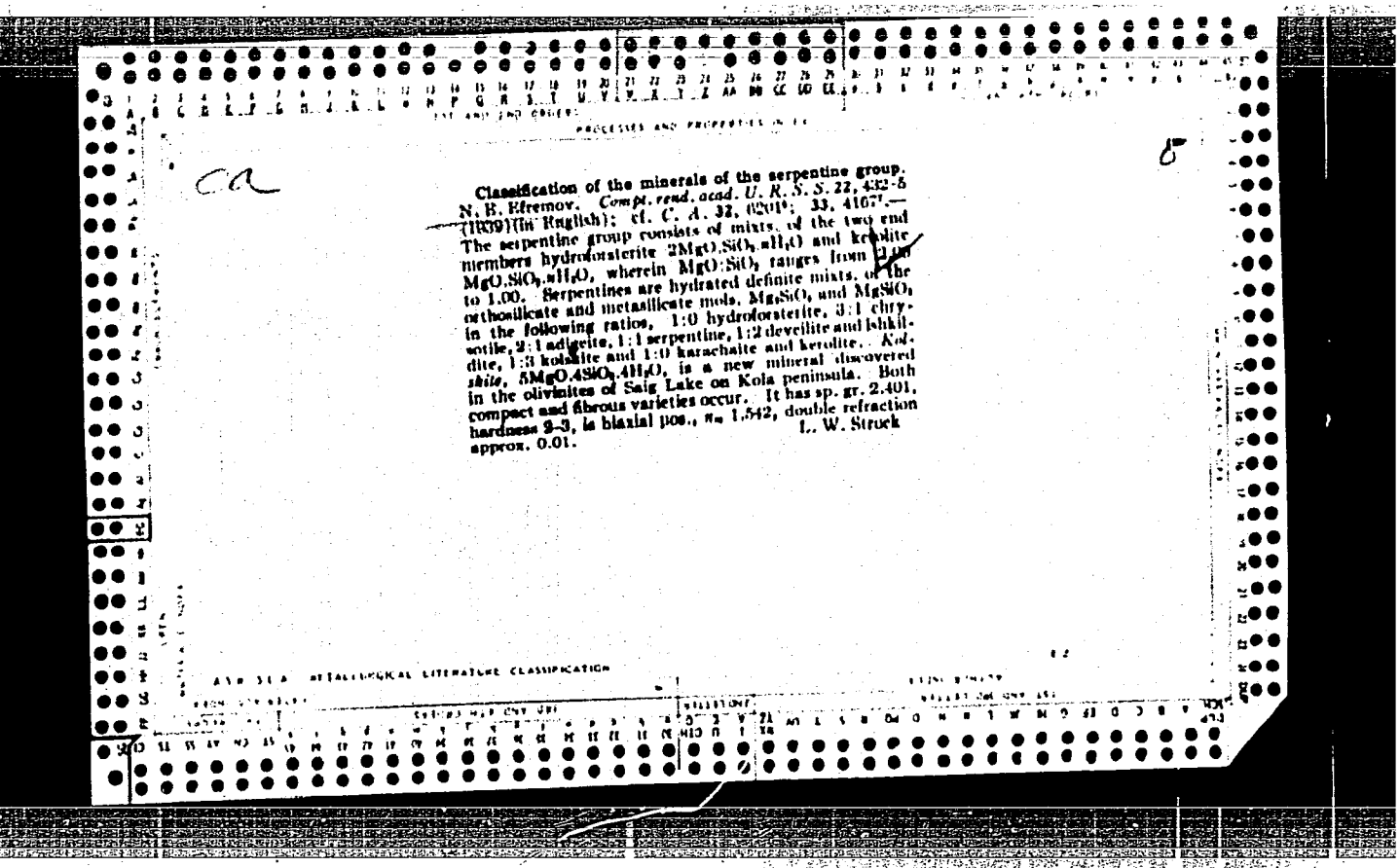


CA

19

Beden serpentinites. A strong raw material for the refractory materials industry of the south (of Russia). S. P. Efremov. *Ogneupory* 7, 704-8(1939); *Chem. Zentr.* 1941, I, 434; cf. *C. A.* 34, 9049.—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 $H_2Mg_3Si_2O_8$. Lab. tests showed these serpentinites to be excellent raw material for the production of refractory forsterite materials. They can also be used for the manuf. of chromite products. M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

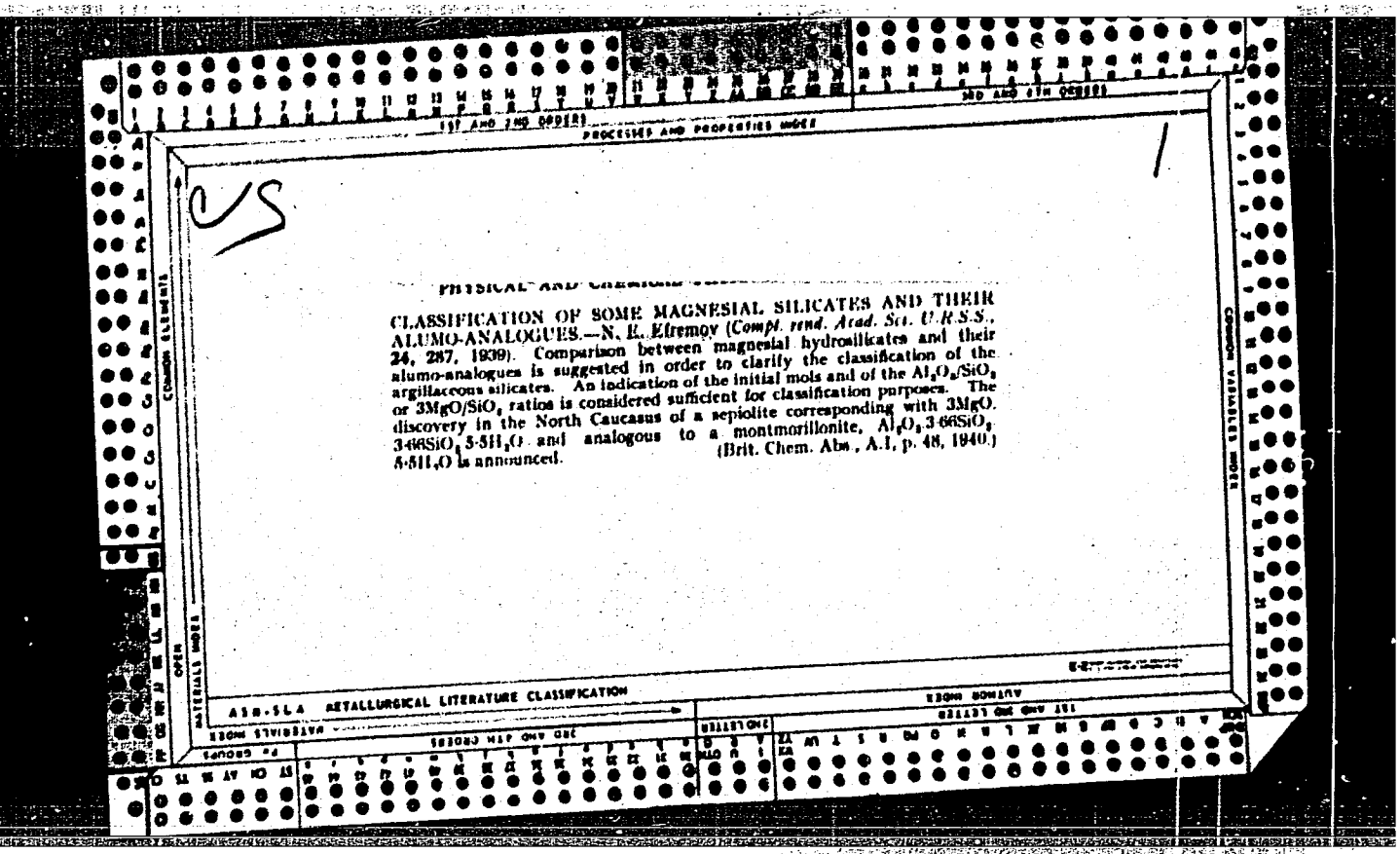


Classification of the minerals of the serpentine group. N. B. Efremov. *Compt. rend. acad. U. R. S. S.* 22, 432-5 (1939)(In English); cf. *C. A.* 32, 6201[9]; 33, 4167[7].—The serpentine group consists of mixts. of the two end members hydroforsterite $2MgO.SiO_2.nH_2O$ and kerolite $MgO.SiO_2.nH_2O$, wherein $MgO:SiO_2$ ranges from 2.00 to 1.00. Serpentines are hydrated definite mixts. of the orthosilicate and metasilicate mols. Mg_2SiO_4 and $MgSiO_3$ in the following ratios, 1:0 hydroforsterite, 3:1 chrysotile, 2:1 adigeite, 1:1 serpentine, 1:2 deweilite and lehkilite, 1:3 kolskite and 1:0 karachaite and kerolite. *Kolskite*, $5MgO.4SiO_2.4H_2O$, is a new mineral discovered in the olivinites 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_m 1.542, double refraction approx. 0.01.

L. W. Struck

YEFREMOV, N. Ye.

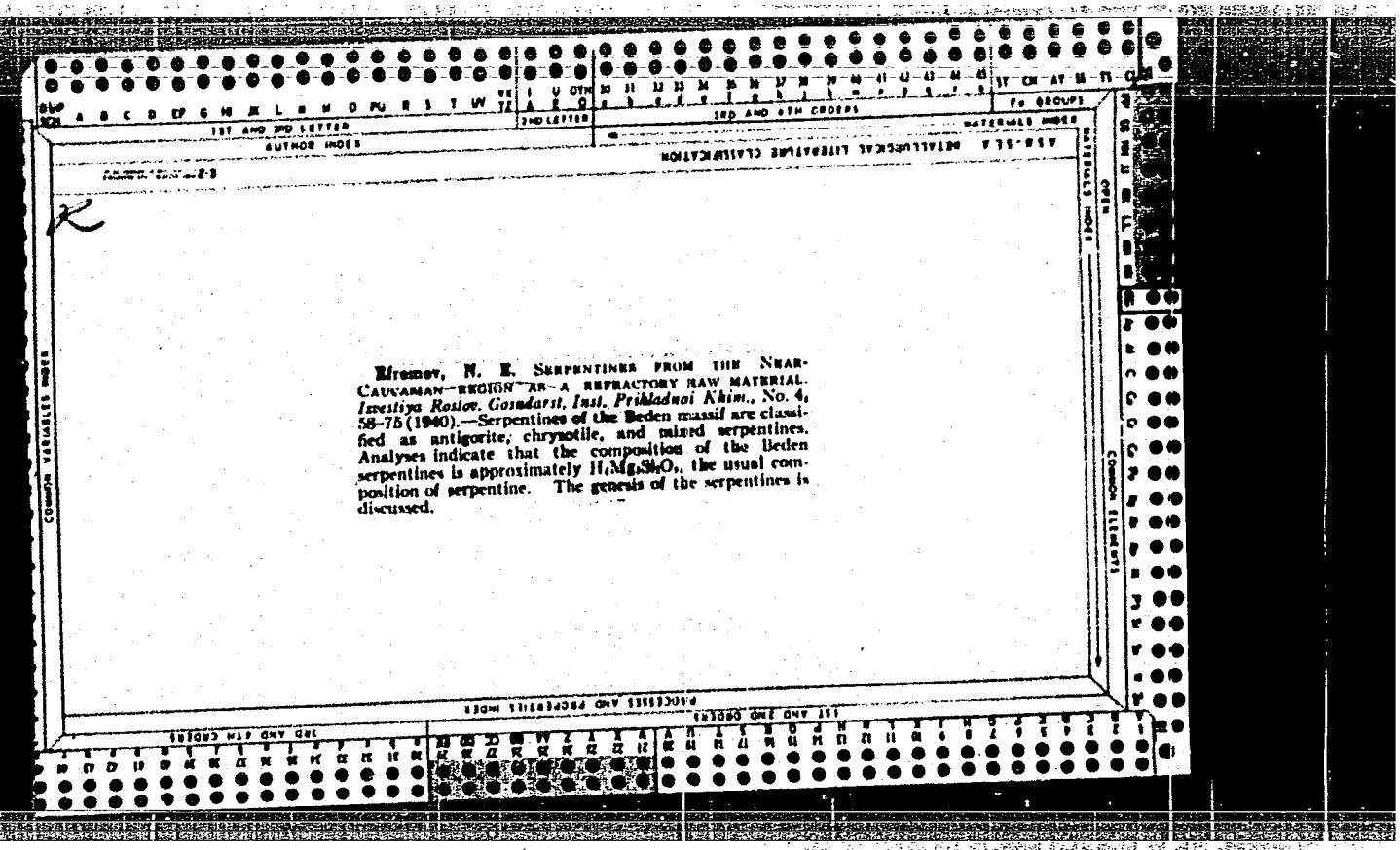
"Zonal Distribution of Ultra-Basites of the Caucasus Range," Dokl. AN SSSR, 22, No.5, 1939



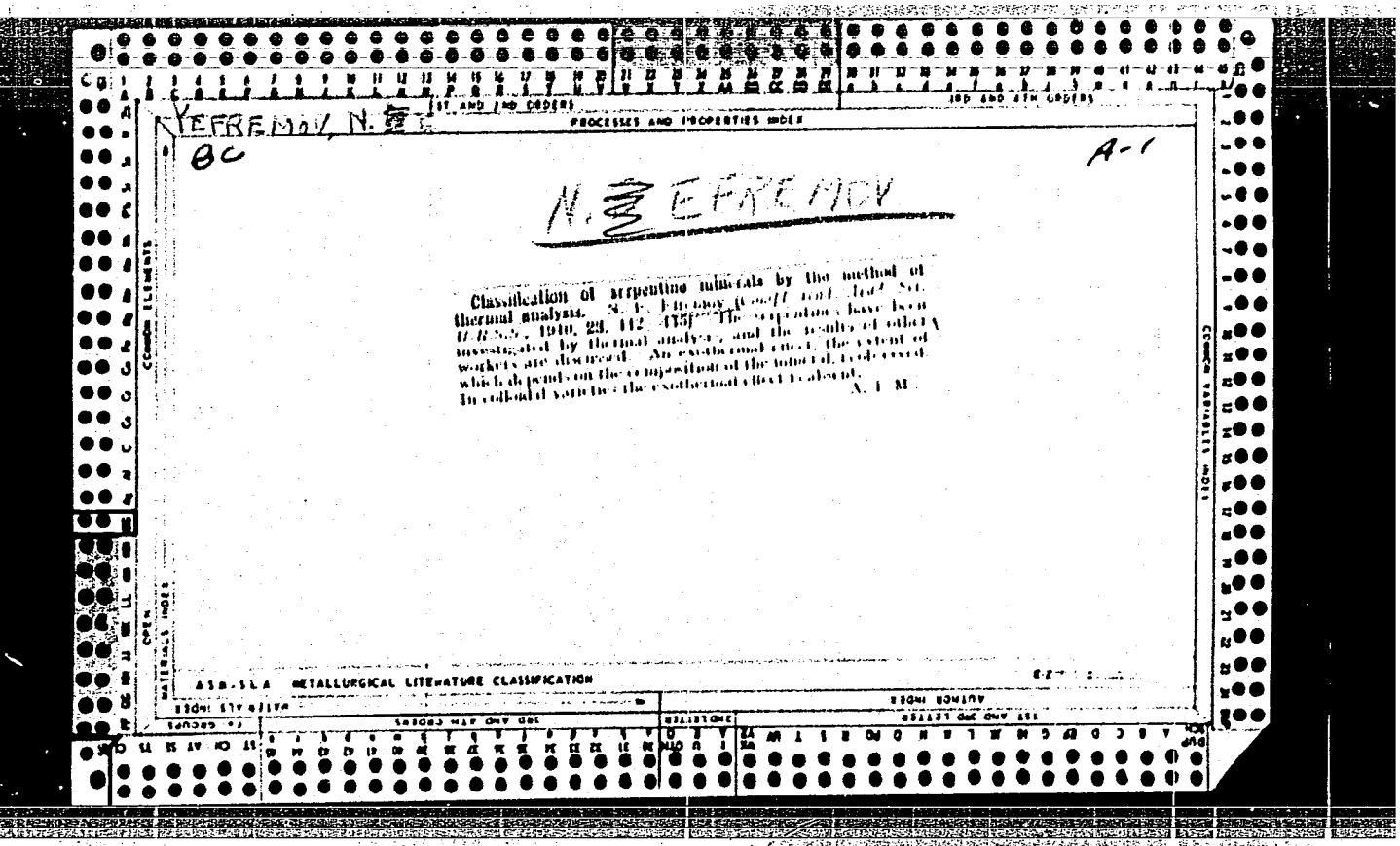
CLASSIFICATION OF SOME MAGNESIAL SILICATES AND THEIR ALUMO-ANALOGUES.—N. E. Efremov (*Compt. rend. Acad. Sci. U.R.S.S.*, **24**, 287, 1939). Comparison between magnesial hydrosilicates and their alumo-analogues is suggested in order to clarify the classification of the argillaceous silicates. An indication 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 $3MgO.3{\cdot}66SiO_2.5{\cdot}5H_2O$ and analogous to a montmorillonite, $Al_2O_3.3{\cdot}66SiO_2.5{\cdot}5H_2O$ is announced. (Brit. Chem. Abs., A.I, p. 48, 1940.)

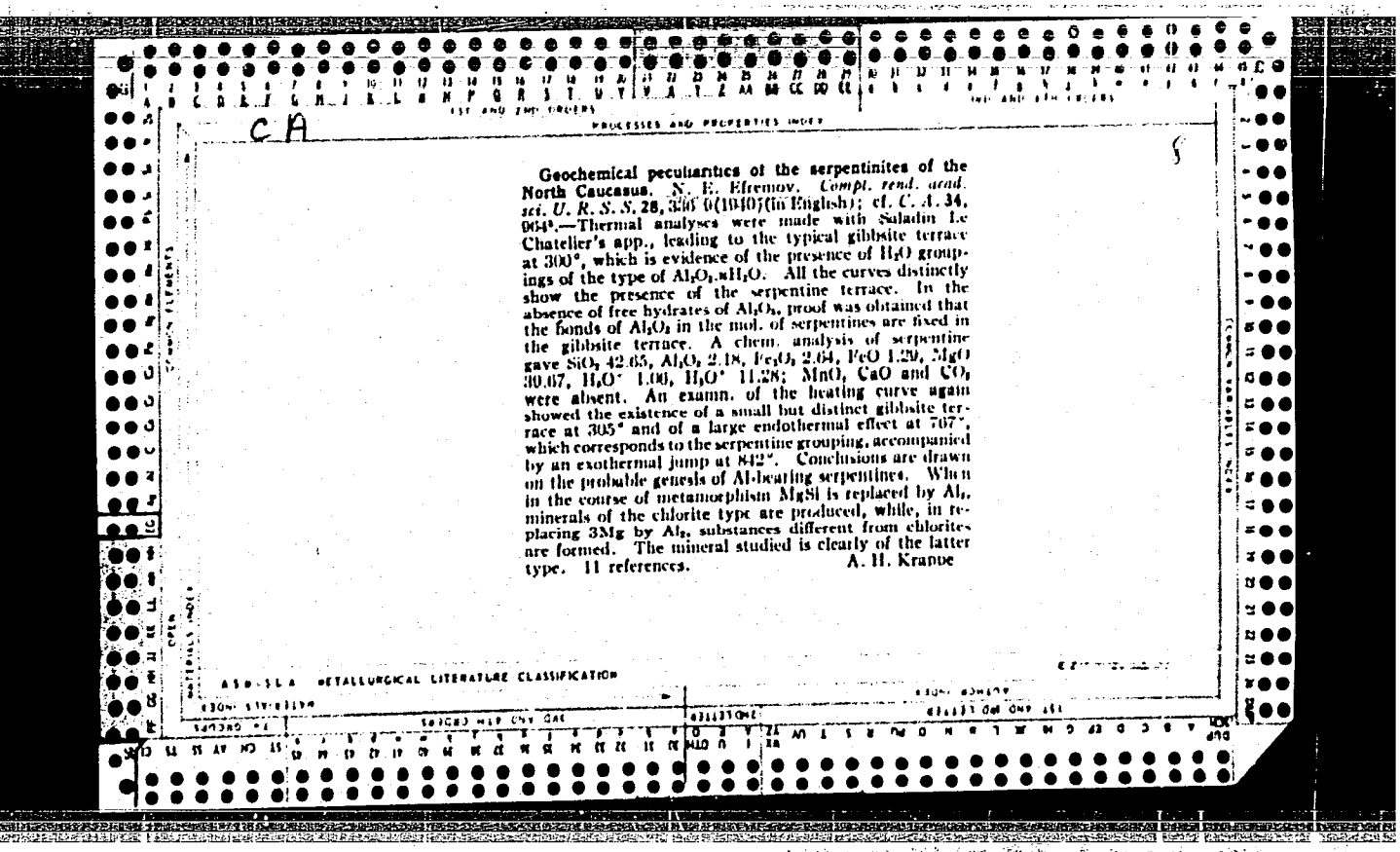
YEFREMOV, N. Ye.

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



Efremov, N. E. SERPENTINES FROM THE NEAR-CAUCASIAN REGION AS A REFRACTORY RAW MATERIAL. *Izvestiya Rostov. Gosudarst. Inst. Prikladnoi Khim.*, No. 4, 58–75 (1940).—Serpentines of the Beden massif are classified as antigorite, chrysotile, and mixed serpentines. Analyses indicate that the composition of the Beden serpentines is approximately $H_4Mg_3Si_2O_9$, the usual composition of serpentine. The genesis of the serpentines is discussed.

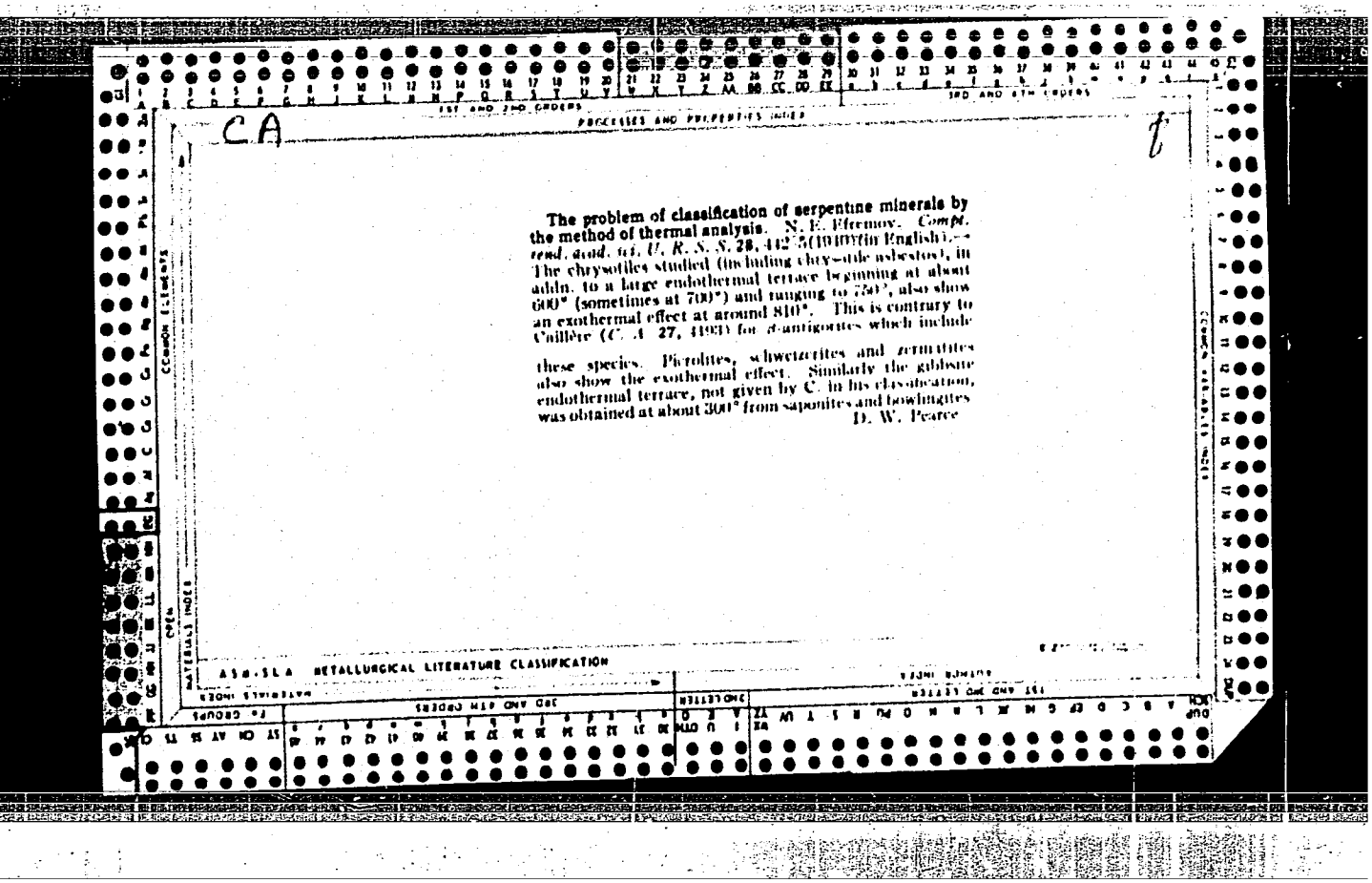




CA

Geochemical peculiarities of the serpentinites of the North Caucasus. N. E. Efremov. *Compt. rend. acad. sci. U. R. S. S.* 28, 336–9(1940)(in English); cf. *C. A.* 34, 9648.—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 H_2O groupings of the type of $Al_2O_3.xH_2O$. All the curves distinctly show the presence of the serpentine terrace. In the absence of free hydrates of Al_2O_3, proof was obtained that the bonds of Al_2O_3 in the mol. of serpentines are fixed in the gibbsite terrace. A chem. analysis of serpentine gave SiO_2 42.65, Al_2O_3 2.18, Fe_2O_3 2.64, FeO 1.29, MgO 30.07, H_2O^- 1.00, H_2O^+ 11.28; MnO, CaO and CO_2 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_2, minerals of the chlorite type are produced, while, in replacing 3Mg by Al_2, substances different from chlorites are formed. The mineral studied is clearly of the latter type. 11 references.

A. H. Krapve



CA

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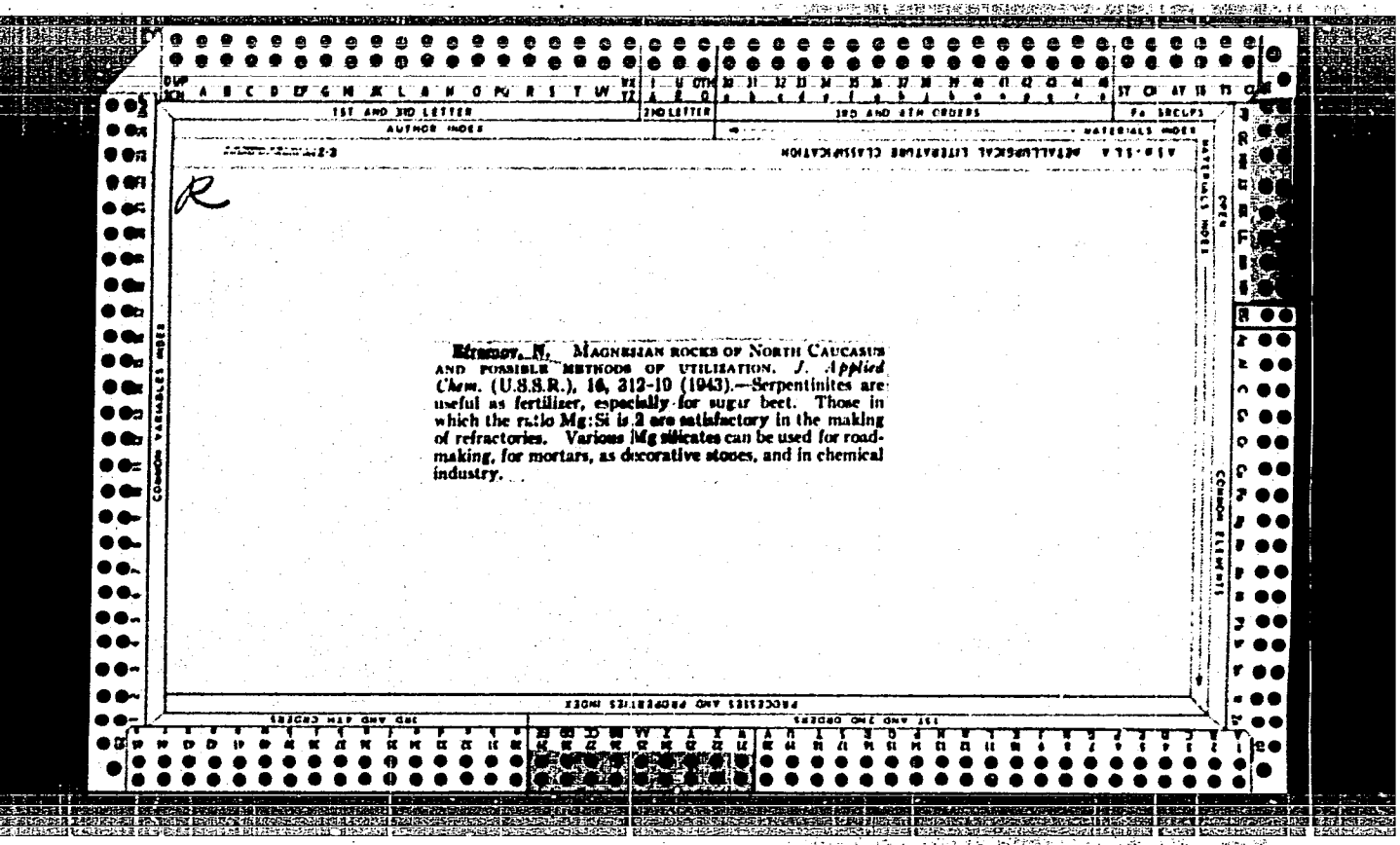
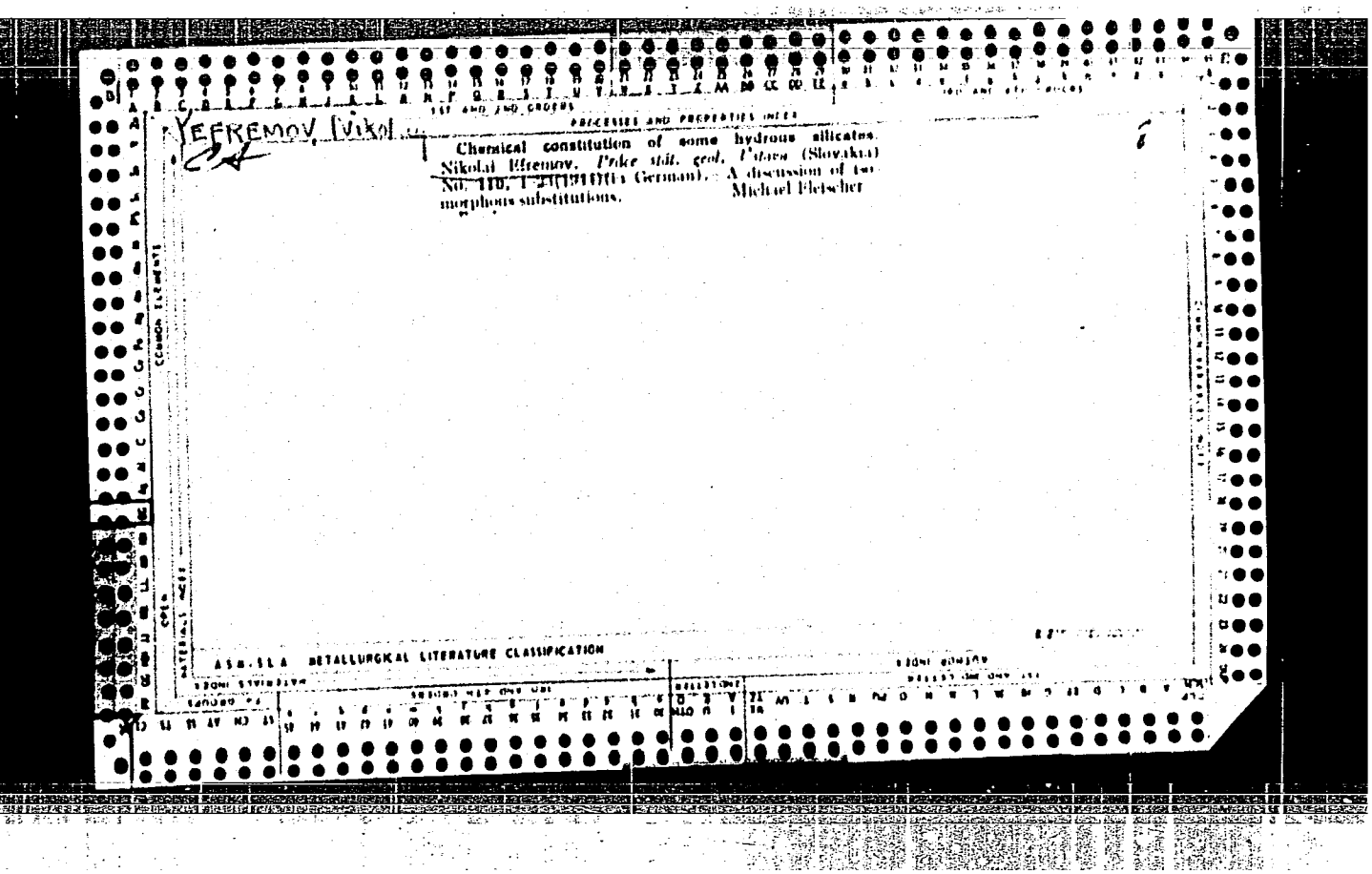
The problem of classification of serpentine minerals by the method of thermal analysis. N. E. Efremov. *Compt. rend. acad. sci. U. R. S. S.* 28, 442-5(1940)(in English).—The chrysotiles studied (including chrysotile asbestos), in addn. to a large endothermal terrace beginning at about 600° (sometimes at 700°) and ranging to 750°, also show an exothermal effect at around 810°. This is contrary to Caillère (*C. A.* 27, 4193) for *d*-antigorites which include these species. Picrolites, schwetzerites 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



Ermolov, N. Magnesian rocks of North Caucasus and possible methods of utilization. *J. Applied Chem.* (U.S.S.R.), 16, 312-10 (1943).—Serpentinites are useful as fertilizer, especially for sugar beet. Those in which the ratio Mg:Si is 2 are satisfactory in the making of refractories. Various Mg silicates can be used for road-making, for mortars, as decorative stones, and in chemical industry.



YEFREMOV, Nikolai

2

Kerchenites from the iron-ore deposits of [illegible] and Crimea peninsulas. Nicholas Efremov. *Proc. Shevchenko Sci. Soc.* 1953, 3 pp. The minerals formed from [illegible] CII [illegible]

[illegible] $P_2O_5 \cdot 21H_2O$, and oxykerchenite: $RO \cdot 4Fe_2O_3 \cdot 3P_2O_5 \cdot 21H_2O$. Kerchenite is a fine powder with a blue color and has a sp. gr. of 2.55 and a hardness of [illegible]. It is pseudomorphic after vivianite ($3FeO \cdot P_2O_5 \cdot 8H_2O$) with [illegible]

Walter Gisvan

YEFREMOV, N.

Geikielite from Mount Jemorakly-Tube, North Caucasus.

U.S.S.R. N. Efremov. *Am. Mineralogist* 39, 305-6 (1954).—The geikielite has the following chem. compn.: SiO_2 0.85, TiO_2 37.52, Al_2O_3 1.22, Cr_2O_3 0.65, Fe_2O_3 2.82, FeO 12.30, NiO 0.37, MgO 21.57, MnO 1.27, CuO 0.32, V_2O_5 0.55, P_2O_5 0.17, CO_2 0.45, H_2O 0.17, sum 99.83%. It is black with a purplish brown streak, *H* 5, sp. gr. 4.1, uniaxial, neg., *ns* ω 2.35, ϵ 1.98, absorption weak $\omega < \epsilon$. The geikielite forms prismatic crystals as much as 6-7 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 aquainted with tractors. At first they are taught all about the tractor

Card 1/2

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.

AVAIALBLE: 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 predpriiatiiakh 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, Yu. 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 Jl '64. (MIRA 18:1)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov, Lys'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 neft. i gaz. tekhn. Geologiya, 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 km^2, during one field season. As a result of these studies, a series of main reflecting horizons has been traced continuously in Carboniferous 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 ...

studies have also shown a regional nonconfirmity of structural surfaces along the horizons of Upper Permian and lower deposits.
[Abstracter's note: Complete translation]

Card 2/2

AIEKSEYEV, 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. Leh. prom. no.3:51-52 Jl-S '65. (MIRA 18:9)

YEFREMOV, S.

Introduce engineering designs to villages. Zhil.-kom. khoz. 13 no.3:6-7 Mr '63. (MIRA 16:3)

1. Predsedatel' Soveta Ministrov Udmurtskoy ASSR.
(Udmurt A.S.S.R.—Construction industry)

YEFREMOV, S., inzh.

We answer readers' inquiries. Na stroi.Ros. 4 no.6:28 Je '63.
(MIRA 16:6)

(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,; TEYYERMAN, T.M., tekhn. red.

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

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

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

USSR/Farm Animals. Sheep and Goats. Q

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

Author : Yefremov, S. A.
Inst : [redacted]
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

YEFREMOV, 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 F '58. (MIRA 11:1)

1. Ministr sel'skogo khozyaystva Udmurtskoy ASSR.
(Udmurt A.S.R.--Sheep)

DUNAYEV, Ye.S.; YEFREMOV, S.A.; REYNIN, S.N., redaktor

[Manual for making estimates on major construction work] Spravochnoe posobie po sostavleniiu smet na kapital'noe stroitel'stvo. Pod red. S.N.Reynina. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 514 p. (MLRA 10:2)
(Building--Estimates)

YEFREMOV, S.A.

HEYNIN, S.N., inzhener; YEFREMOV, S.A., inzhener.

Some problems related to the calculation of unified regional unit prices. Stroi.prom. 32 no.7:20-22 Jl '54. (MLRA 7:7)
(Building--Estimates)

YEFREMOV,S.A.; BUKSHTEYN,D.I.

Regional estimates for construction work and measures for introducing them. Stroi. prom. 33 no.4:26-30 Ap '55. (MLRA 8:6)
(Building--Estimates)

YEFREMOV,S.A.; BUKSHTEYN,D.I.

The effect of lower prices for building materials and details on building costs. Stroi. prom. 33 no.8:38-42 Ag'55. (MLRA 8:11)
(Construction industry--Costs)

YEFREMOV, S.A.

New terms for contracting and financing construction work.
Stroi. prom. 33 no.11:34-36 N '55. (MLRA 9:2)
(Construction industry--Costs)

YEFREMOV, S.A.; BUKSHTEYN, D.I.; KUTSENOVA, A.A., kandidat ekonomicheskikh nauk, redaktor; IL'IN, V.M., redaktor; MEL'NICHENKO, F.G., tekhnicheskiy redaktor.

[New manufacturers' prices for building materials] Novoe otpusknye tseny na stroitel'nye materialy. Moskva, Ges. izd-ve lit-ry po stroit. i arkhitekture, 1956. 51 p. (MLRA 9:6)
(Building materials--Prices)

DYACHENK, Vladimir Fedorovich; YEFREMOV, Sergey Andreyevich; KOVALENKO, F.S., redaktor; ALTUF'YEVA, A.M., redaktor izdatel'stva; KONYASHINA, A., tekhnicheskiy redaktor

[A practical manual on compiling estimates for the construction of apartment houses and public buildings and for major repairs] Prakticheskoe posobie po sostavleniiu smetnoi dokumentatsii na zhilishchno-grazhdanskoe stroitel'stvo i kapital'nyi remont. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1956. 222 p. (MLRA 9:10)
(Building--Estimates)

YEFIMOV, Sergey Andreyevich; KUTSENOVA, A.A., redaktor izdatel'stva; GUSEVA, S.S., tekhnicheskiy redaktor

[Technical standardization and estimates in construction] Tekhnicheskoe normirovanie i smety v stroitel'stve. Moskva, Gos. izd-vo lit-ry po stroit. i arkhit. Pt.2. [Estimates in construction] Smety v stroitel'stve. 1957. 123 p. (MLRA 10:10)
(Building--Estimates)

YEFREMOV, S.A.; REYNIN, S.N.

Improving methods for estimating costs in building. Stroi. prom. 35 no.3:40-44 Mr '57. (MLRA 10:4)
(Construction industry--Costs)

YEFREMOV, S.A.; YUNGEROV, A.A.

Lowering costs of building and assembling. Stroi. prom. 36 no.3:40-3 of cover Mr '57. (MIRA 11:3)
(Construction industry--Costs)

YEFREMOV, Sergey Andreyevich; REYNIN, Semen Naumovich, kand.tekhn.nauk; USPENSKIY, V.V., red.; KUTSENOVA, A.A., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Making estimates for capital construction] Smety na kapital'noe stroitel'stvo. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 371 p. (MIRA 13:3)
(Building--Estimates)

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 zhilishchnoe i kul'turno-bytovoe stroitel'stvo po gorodam i territorial'nym raionam RSFSR. Moskva, Gosstroiizdat, 1962. 212 p. (MIRA 16:3)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Construction industry—Prices)

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., tekhn. red.

[Manual for estimated costs in construction] Spravochnik po smetnomu delu v stroitel'stve. Moskva, Gosstroiizdat, 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] Spravochnik po smetnomu delu v stroitel'stve. Moskva, Stroizdat. 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.
(MLRA 8:9)

1. Gidrometeorologicheskaya stantsiya, Mozhga.
(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. Prom. stroi. 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 bezrulonnykh krovel' iz kholodnykh asfal'tovykh mastik. Leningrad, 1964. 21 p. (MIRA 18:1)

KUKHTAROV, Vladimir Ivanovich; YEFREMOV, S.I., inzh., red.; SOBOLEVA, 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

5(1)

Zefremov, Sergey Ivanovich

Tverdyye splavy 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 working parts of the die sets with sintered carbides is also described. No personalities are mentioned. There are no references.

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Sintered Carbide Dies SOV/3361

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intered Carbide Dies

SOV/3361

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

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AVAILABLE: Library of Congress (TS253.E33)

Card 3/3

VK/Gap
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 walls of truck cabins. The molds for making plastic stamps are prepared of gypsum, wood and metal. At the Gor'kiy automobile plant, Orlov gypsum TU-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

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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 МАП 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

Plastic stamps...

solidifier, kaolin ГОСТ 6138-52 (GOST 6138-52) and foundry graphite. After consolidation, the repaired sections are heated for 2 - 3 hours at 50 - 800C 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 avtomobil'nom proizvodstve. Gor'kii, Gor'kovskoe knizhnoe izd-vo, 1961. 251 p. (MIRA 14:10)
(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, T.L., red.; DOROFEYEVA, 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

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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.

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YEFREMOV, S.I.

Plastic dies. Mashinostroitel' no.7:17-18 Jl '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 tekh.inform. 16 no. 10:54-55 '63. (MIRA 16:11)

YEFREMOV, S.I.

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

YEFREMOV, S.I.

Plant practice in manufacturing hard alloy plates. Mashinostroitel' 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. Stroi.prom. vol. 31 no.9:22 S '53. (MLRA 6:9)
(Concrete construction)

YEFREMOV, S.K.

Standard jack rod with an expanding stopper used for sliding forms.
Rats. i 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., retsenzent; SEGAL', N.M., red.; KNAKNIN, M.T., tekhn.red.

[AT-175-Ll automatic loom with a Zh-13 Jacquard machine] Avtomaticheskii tkatskii stanok AT-175-Li 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 MM-150-L1 flax-reeling machine. Biul.tekh.-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)

YEFREMOV, S.P.

AUTHOR 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 soatva obogashchennogo urana.- Russian.)

PERIODICAL Atomnaia Energiia 1957, Vol 2, Nr 4, pp 337 - 344 (USSR).
Received: 5/1957 Reviewed: 6/1957

ABSTRACT 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 theisotopes 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 standars $U^{235} + U^{238}$.

CARD 1/2

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 Å 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.
PRESENTED BY: -
SUBMITTED: [illegible]
AVAILABLE: 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 Sibirskogo 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.; PROKOF'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 artelí, 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 O '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.

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(Motor vehicles--Maintenance and repair)