VINOGRADOV, A.V.

VINOGRADOV, A. V., and A. V. KUCHKEL'.

Vozdushnyi kodeks SSSR s kommentariiami i postateino-sistematizirovannymi materialami. Moskva, 1949.

Title tr.: Soviet Air Code commented and supplemented with material arranged by articles.

NCF

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

VINOGRADOV, A.V., inzh.

Protection of traction motors against snow. Elek. i tepl. tiaga no.1:16 '57. (MIRA 12:3)
(Electric railway motors)
(Electric railroads--Snow protection and removal)

ABDULLAYEV, S.G., kand.sel'skokhoz.nauk; VINOGRADOV, A.V., starshiy nauchnyy sotrudnik

Autocide chlorophos bands. Zashch.rast.ot vred.i bol. 7 no.6:33 Je '62. (MIRA 15:12)

(Chlorophos)

VINOGRADOV, A.V.

Report and election meetings of primary organizations of the Scientific Technological Society for ferrous metallurgy. (MIRA 15:9)
Ogneupory 27 no.10:482-483 '62.
(Refractory materials—Congresses)

S/075/63/018/001/002/010
E071/E452

AUTHORS: Vinogradov, A.V., Dronova, M.I., Korovin, Yu.I.

TITLE: Chemico-spectrographic method for the determination of admixtures in alkali metals

PERIODICAL: Zhurnal analiticheskoy khimii, v.18, no.1, 1963, 29-32

TEXT: The impurities are concentrated by extraction of 8-hydroxyquinolinates with a mixture of butyl alcohol and chloroform (1:2) from an aqueous solution of a sample at a controlled pH (6 - 7 for manganese and nickel; 4 - 5 for tantalum, niobium, tin, iron and zirconium; 2 - 3 for molybdenum and tungsten) and cupferronates (niobium, tantalum, zirconium, titanium and lead) from a 20% hydrochloric acid solution with an addition of oxalic acid. The extract is mixed with pure copper oxide, evaporated and mixed with an appropriate quantity (on copper oxide added) of cobalt chloride solution (internal standard) dried and spectrographically analysed. The sensitivity of the method at a 100% enrichment is 1×10^{-4} to 3×10^{-6}%, the accuracy 10 to 20%. The method can also be applied for the determination of other impurities (zinc, cadmium, scandium,

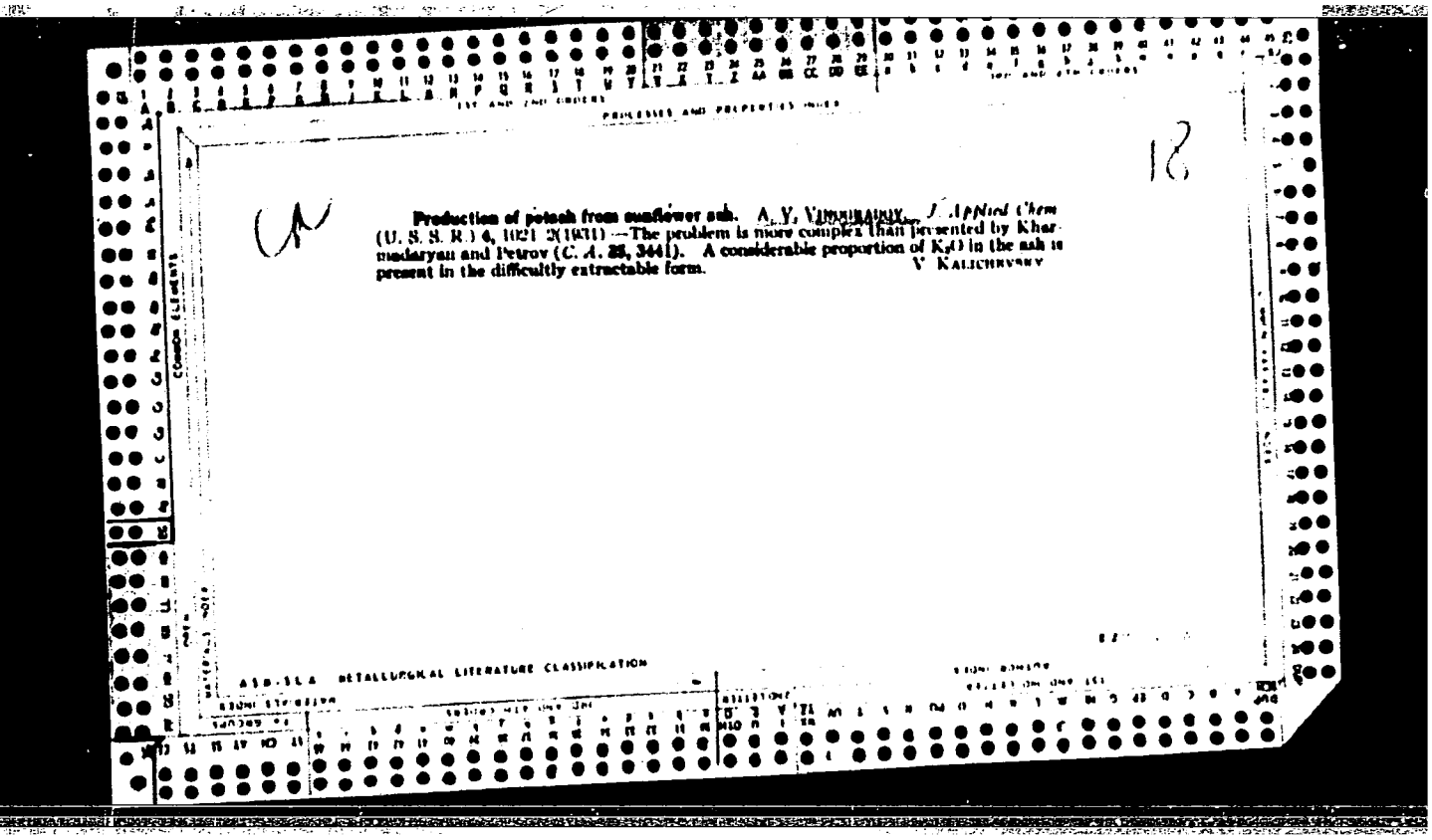
Card 1/2

Chemico-spectrographic ...

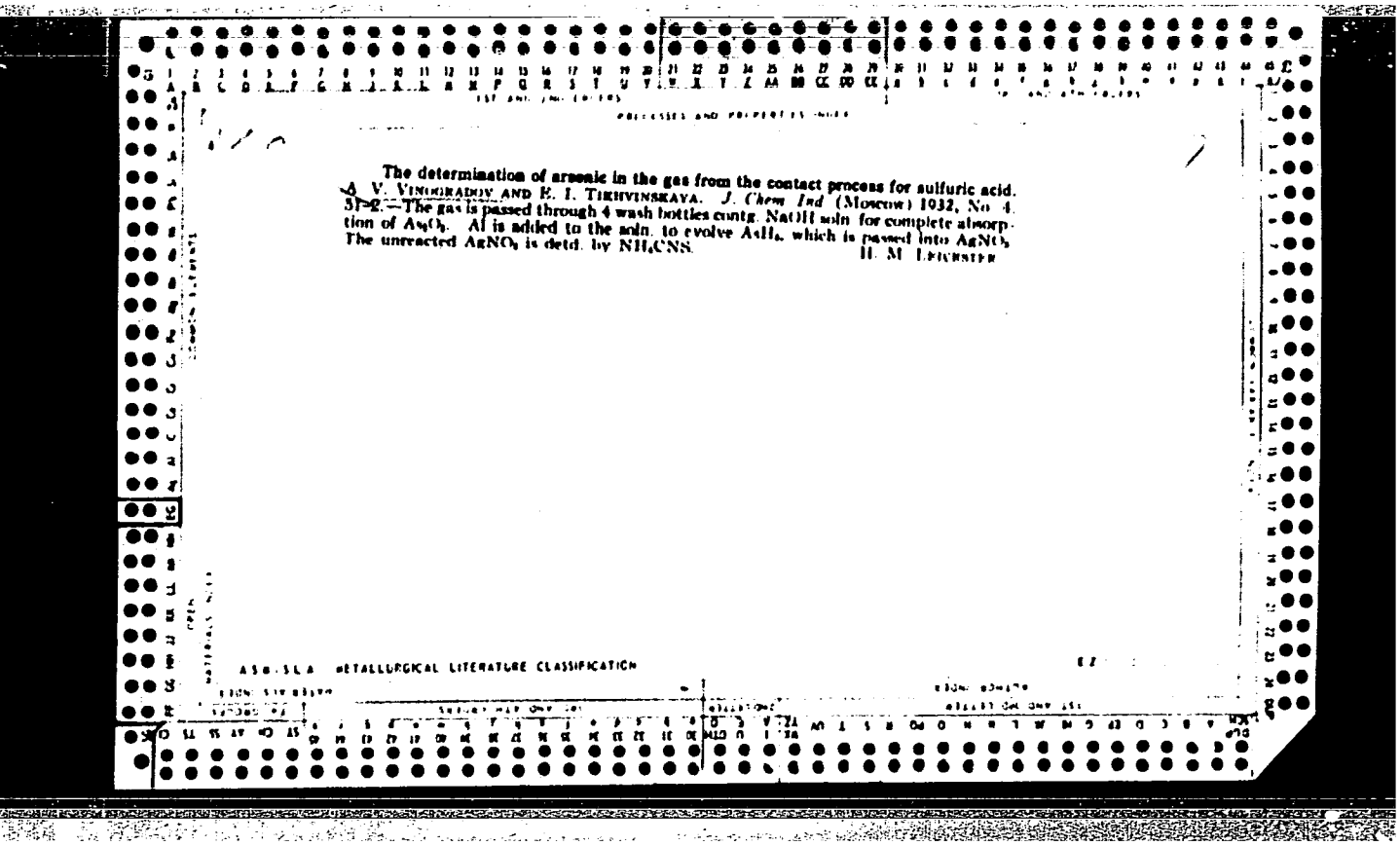
aluminium, gallium, indium, vanadium, bismuth, thorium, uranium, cerium and rare earth elements). There are 1 figure and 2 tables.

SUBMITTED: April 16, 1960

Card 2/2



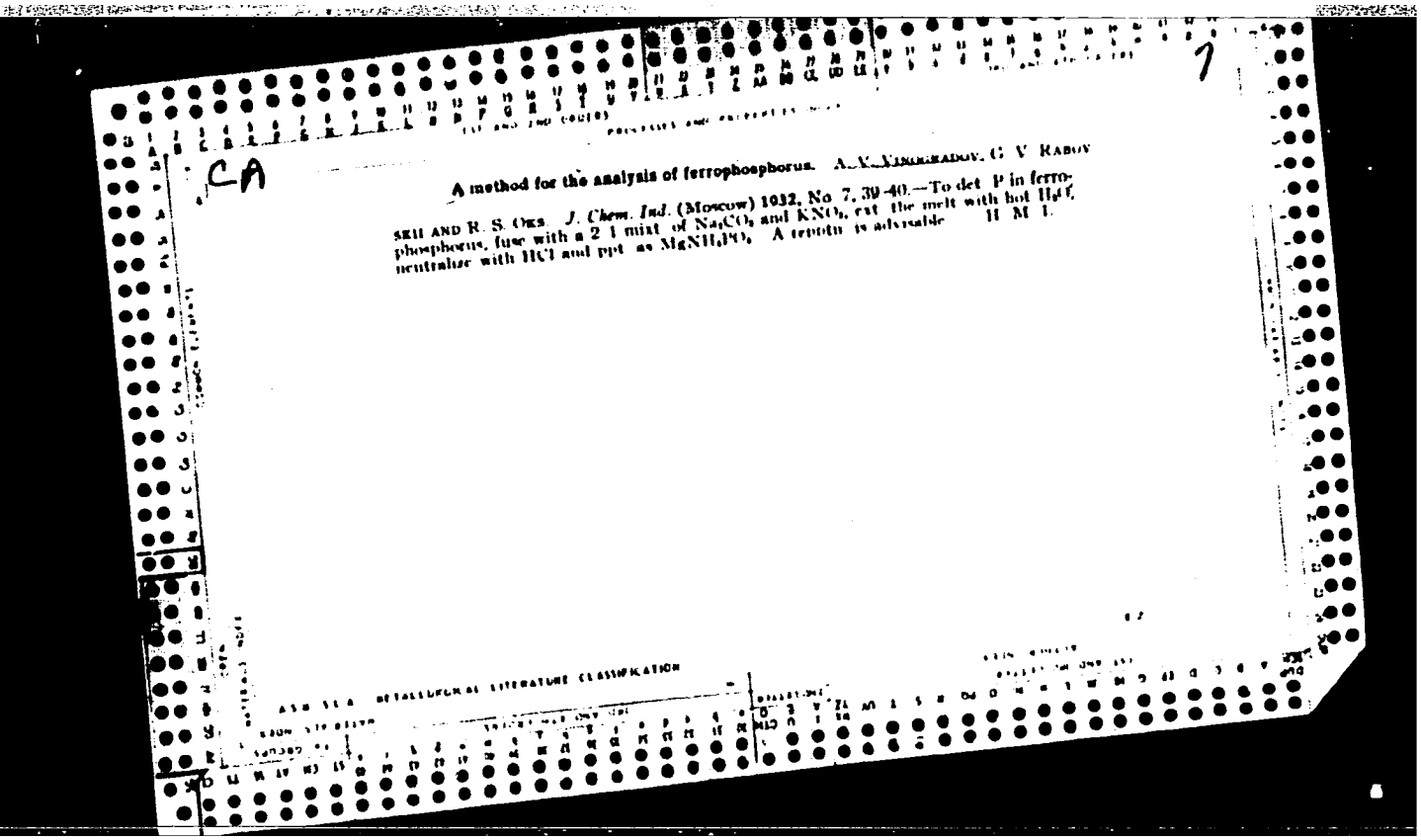
Production of potash from sunflower ash. A. Y. Vinnikov. *J. Applied Chem* (U. S. S. R.) 4, 1021-2(1931).—The problem is more complex than presented by Kharmadaryan and Petrov (*C. A.* **25**, 3441). A considerable proportion of K_2O in the ash is present in the difficultly extractable form.
V. Kalichevsky



The determination of arsenic in the gas from the contact process for sulfuric acid. A. V. Vinogradov and E. I. Tikhvinskaya. *J. Chem. Ind.* (Moscow) 1932, No. 4, 31–2.—The gas is passed through 4 wash bottles contg. NaOH soln. for complete absorption of As_2O_3. Al is added to the soln. to evolve AsH_3, which is passed into $AgNO_3$. The unreacted $AgNO_3$ is detd. by NH_4CNS.

H. M. Leicester

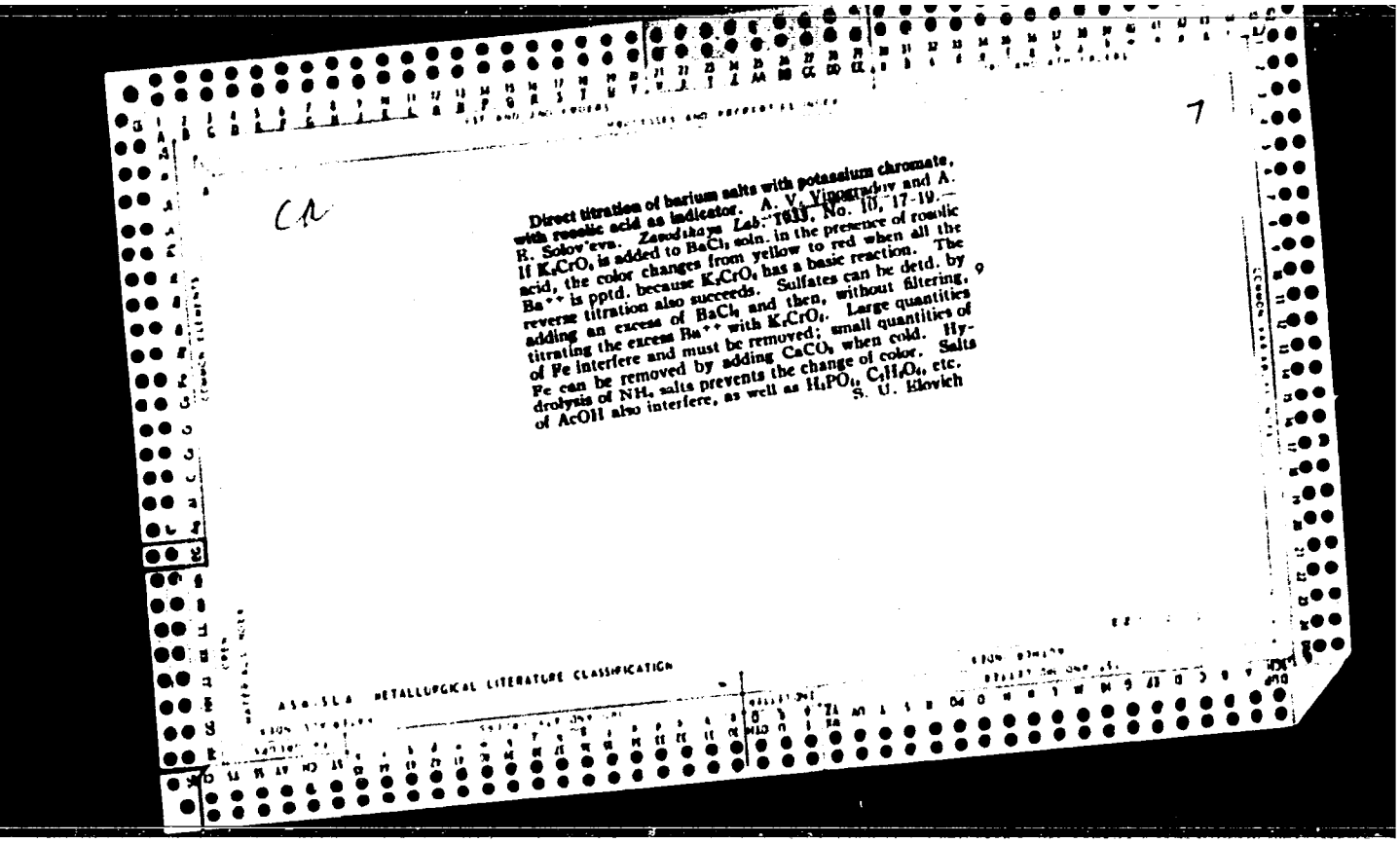
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



CA

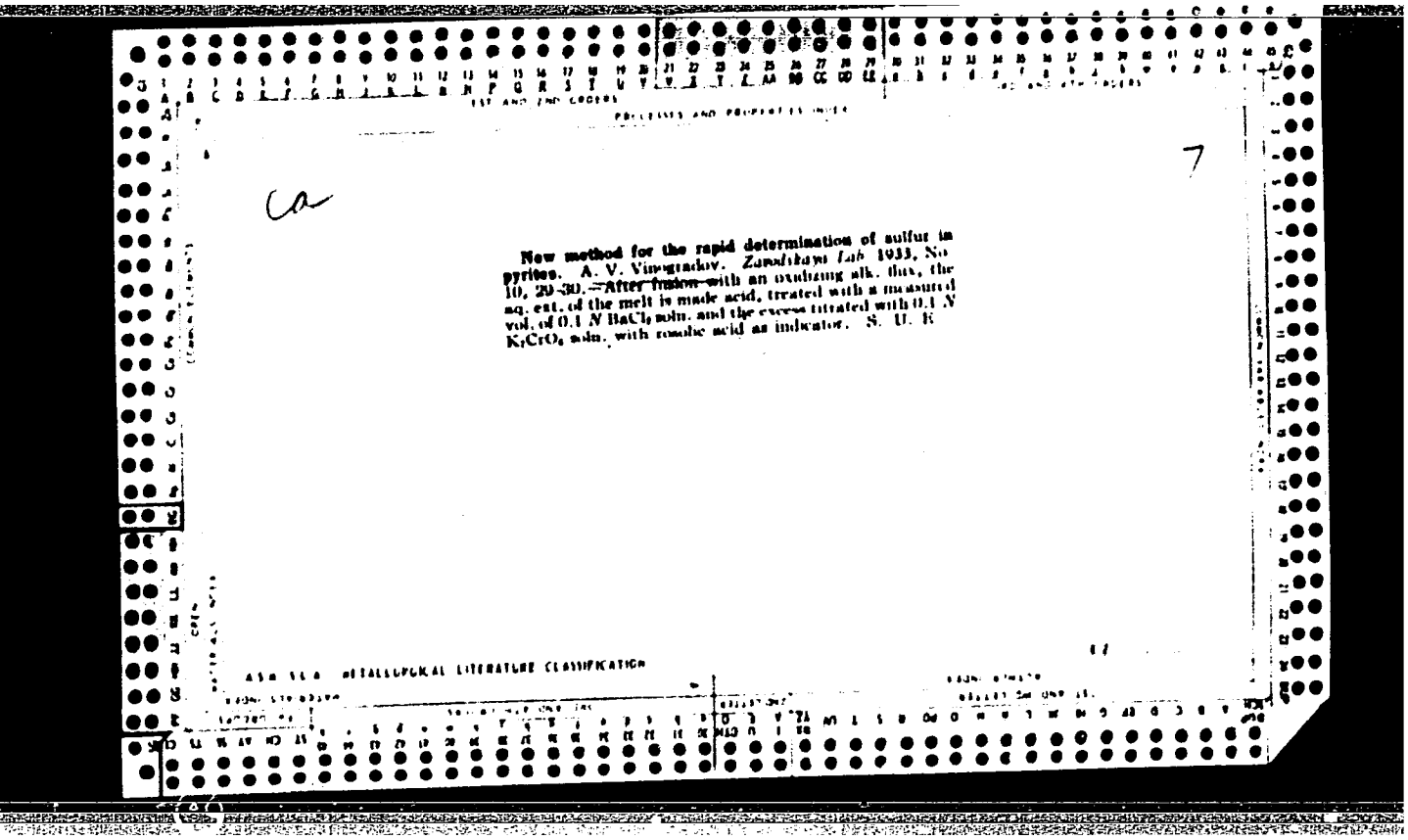
A method for the analysis of ferrophosphorus. A. V. Vinogradov, G. V. Rabov

SKH AND R. S. OKS. *J. Chem. Ind.* (Moscow) 1932, No. 7, 39-40.—To det. P in ferro-phosphorus, fuse with a 2:1 mixt. of Na_2CO_3 and KNO_3, ext. the melt with hot H_2O, neutralize with HCl and ppt. as $MgNH_4PO_4$. A repetn. is advisable. H. M. L.

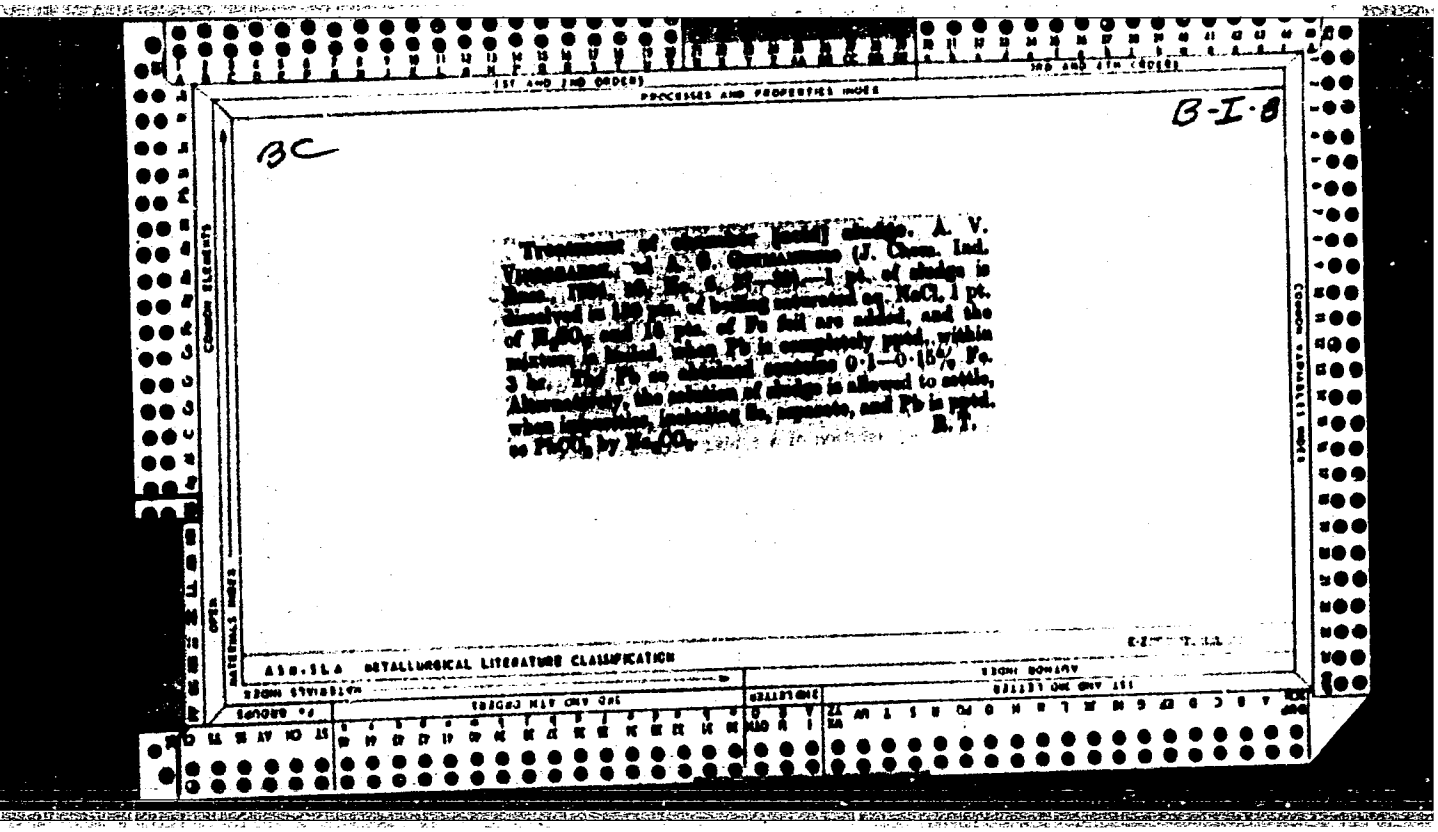


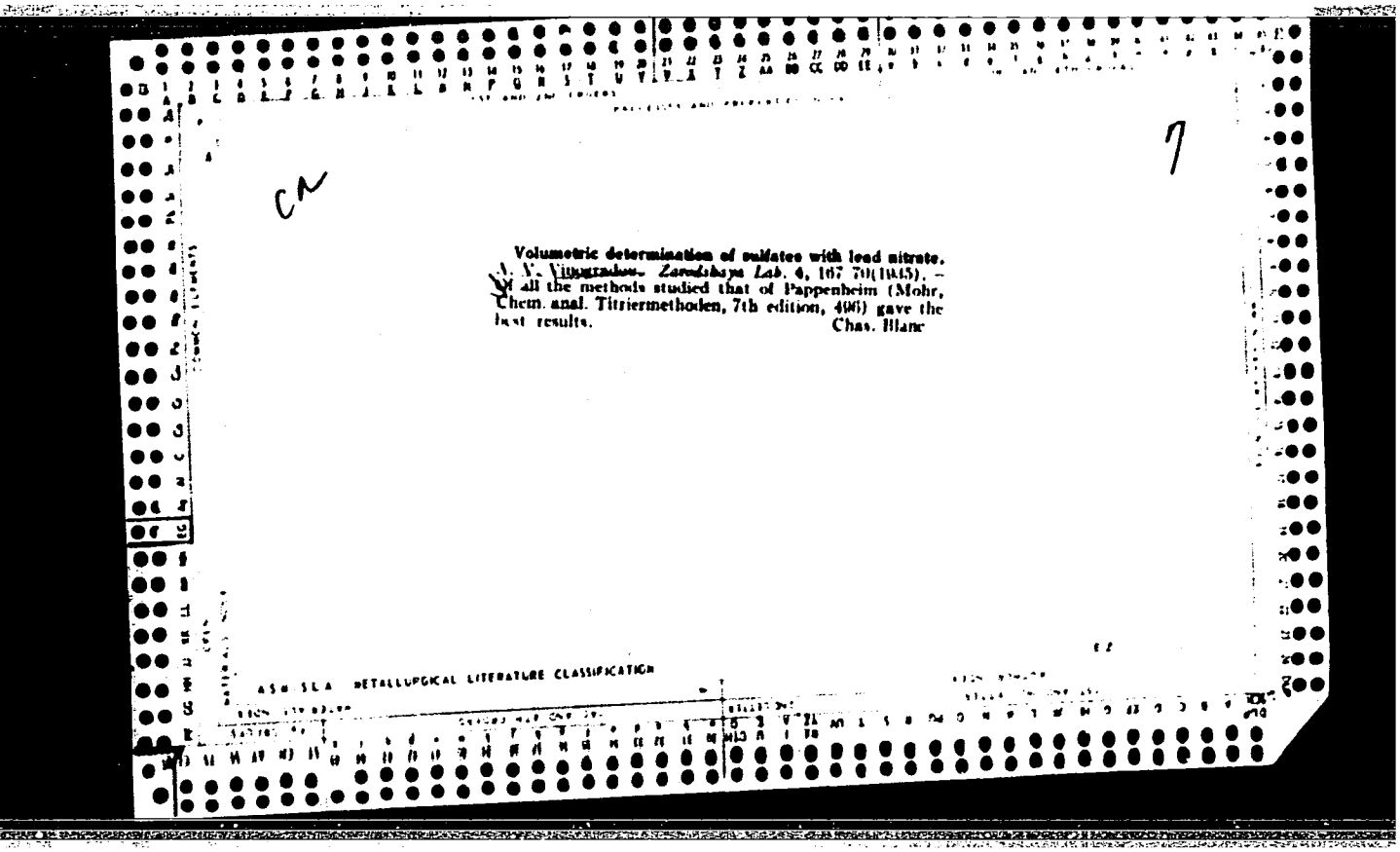
Direct titration of barium salts with potassium chromate, with rosolic acid as indicator. A. V. Vinogradov and A. R. Solov'eva. *Zavodskaya Lab.* 1933, No. 10, 17-19.—If K_2CrO_4 is added to $BaCl_2$ soln. in the presence of rosolic acid, the color changes from yellow to red when all the Ba^{++} is pptd. because K_2CrO_4 has a basic reaction. The reverse titration also succeeds. Sulfates can be detd. by adding an excess of $BaCl_2$ and then, without filtering, titrating the excess Ba^{++} with K_2CrO_4. Large quantities of Fe interfere and must be removed; small quantities of Fe can be removed by adding $CaCO_3$ when cold. Hydrolysis of NH_4 salts prevents the change of color. Salts of AcOH also interfere, as well as H_3PO_4, $C_2H_2O_4$, etc.
S. U. Ekovich

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



New method for the rapid determination of sulfur in pyrites. A. V. Vinogradov. *Zavodskaya Lab* 1933, No 10, 29-30. After fusion with an oxidizing alk. flux, the aq. ext. of the melt is made acid, treated with a measured vol. of 0.1 *N* BaCl$_2$ soln. and the excess titrated with 0.1 *N* K$_2$CrO$_4$ soln., with rosolic acid as indicator. S. U. K



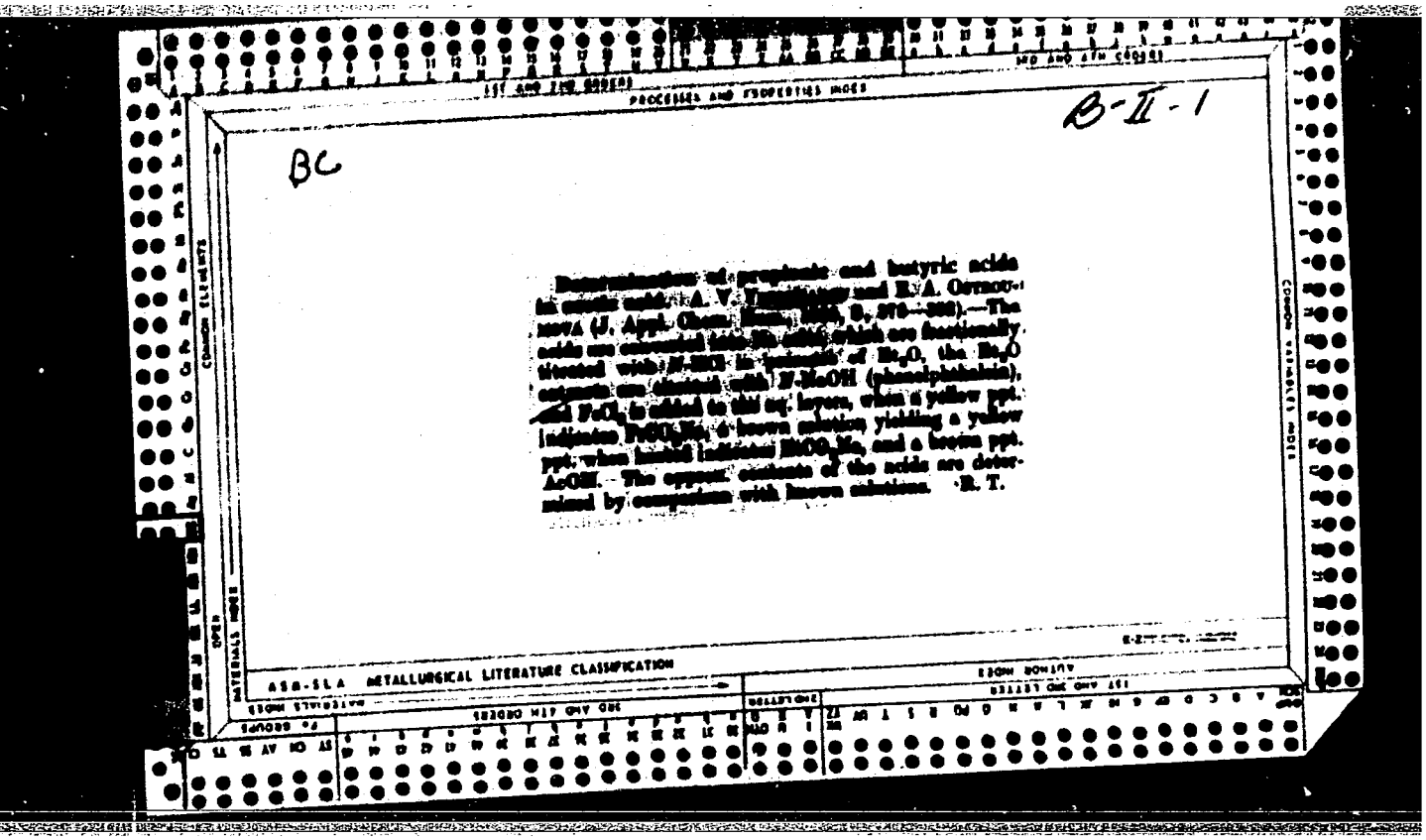


CM

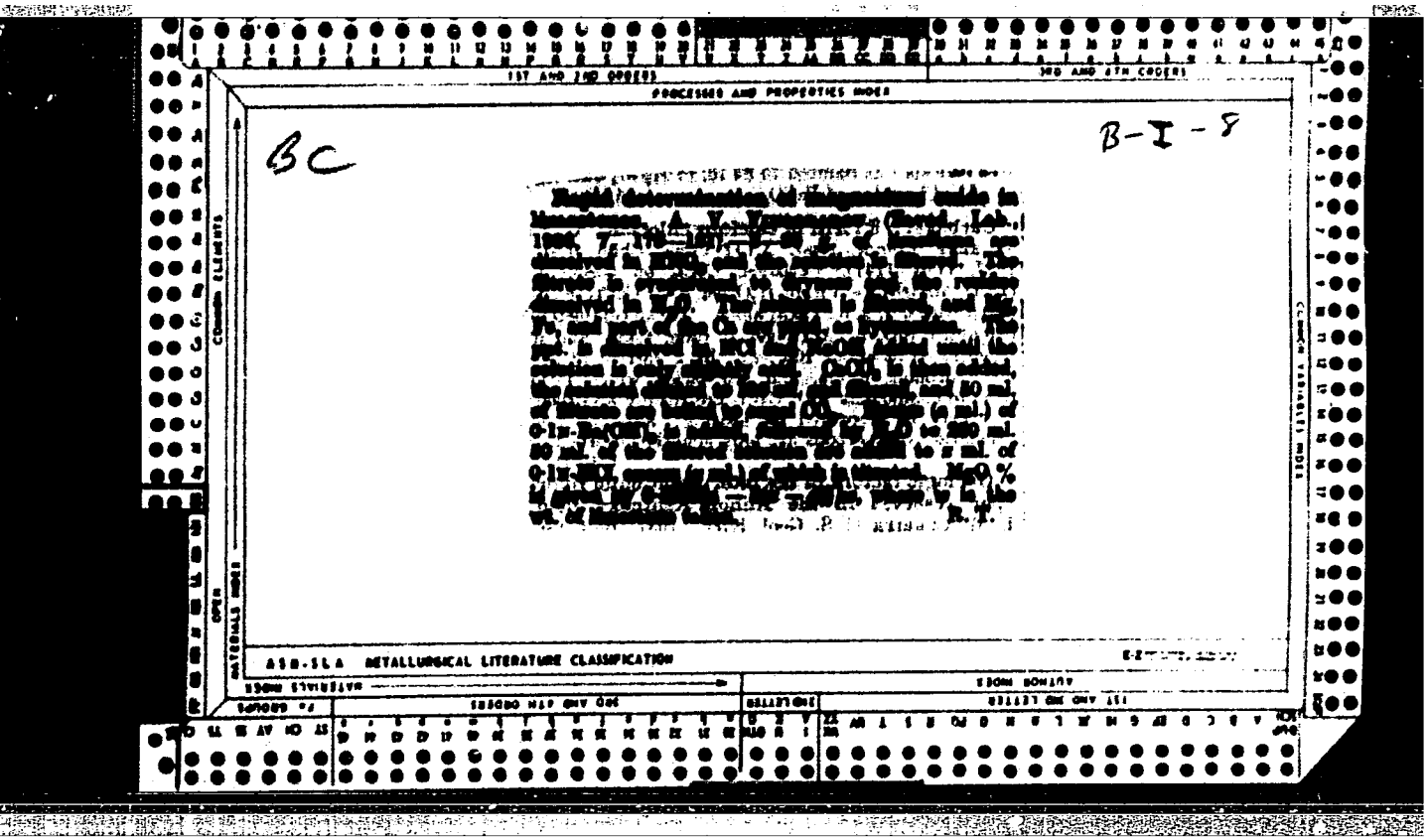
7

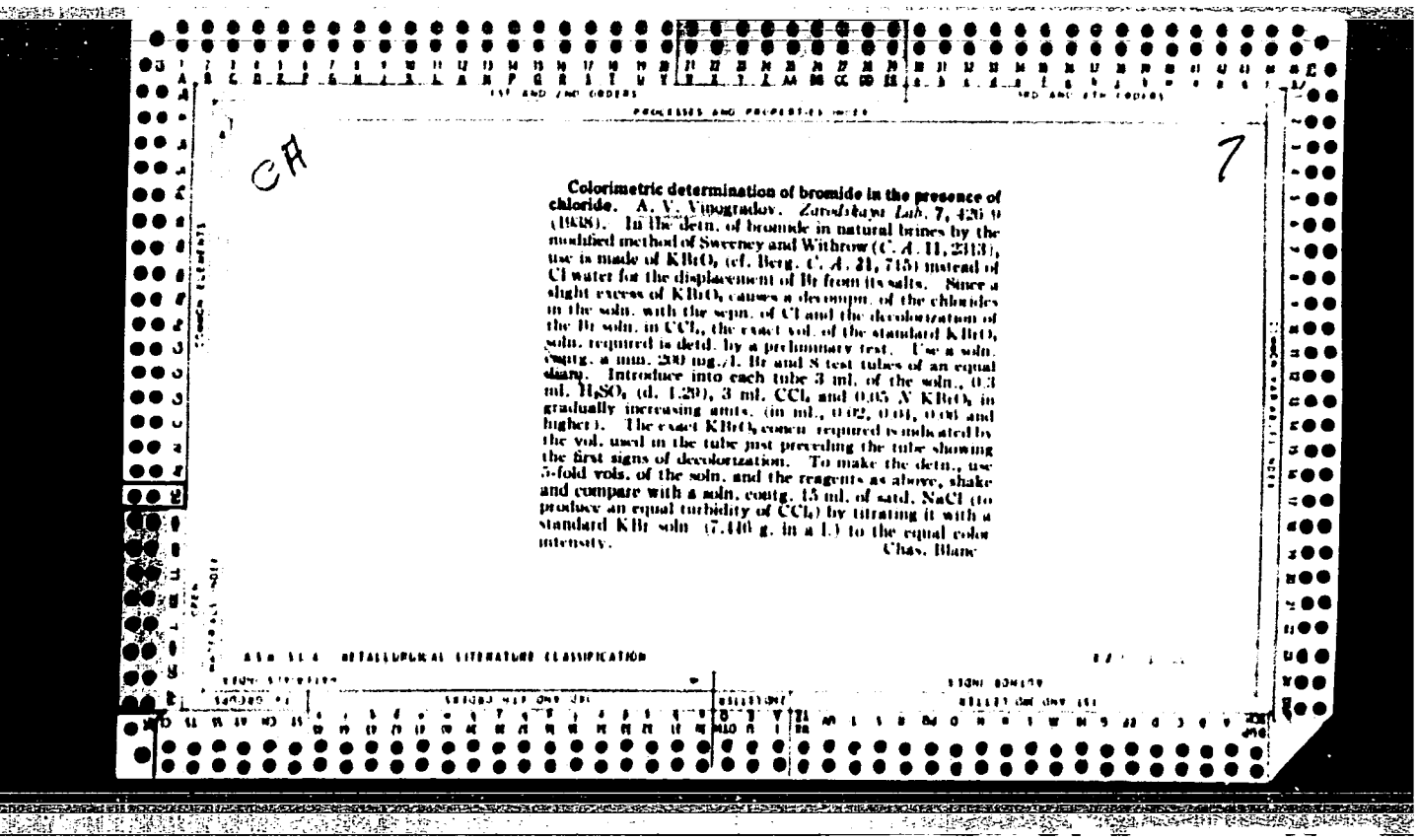
Volumetric determination of sulfates with lead nitrate. A. V. Vinogradov. *Zavodskaya Lab.* 6, 107-70(1945). – Of all the methods studied that of Pappenheim (Mohr, Chem. anal. Titriermethoden, 7th edition, 406) gave the best results. Chas. Blanc

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION



Determination of propionic and butyric acids in organic mixts. A. V. Topchiyev and E. A. Gerasimova (J. Appl. Chem. [USSR], 1938, 11, 970—982).—The acids are extracted from the mixt. which are fractionally titrated with *N*-KOH in presence of Et_2O, the Et_2O extracts are titrated with *N*-MeOH (phenolphthalein), and $FeCl_3$ is added to the aq. layers, when a yellow ppt. indicates $Fe(OH)_2Pr$, a brown solution yielding a yellow ppt. when boiled indicates $Fe(OH)_2Bu$, and a brown ppt. AcOH.—The approx. contents of the acids are determined by comparison with known solutions. R. T.



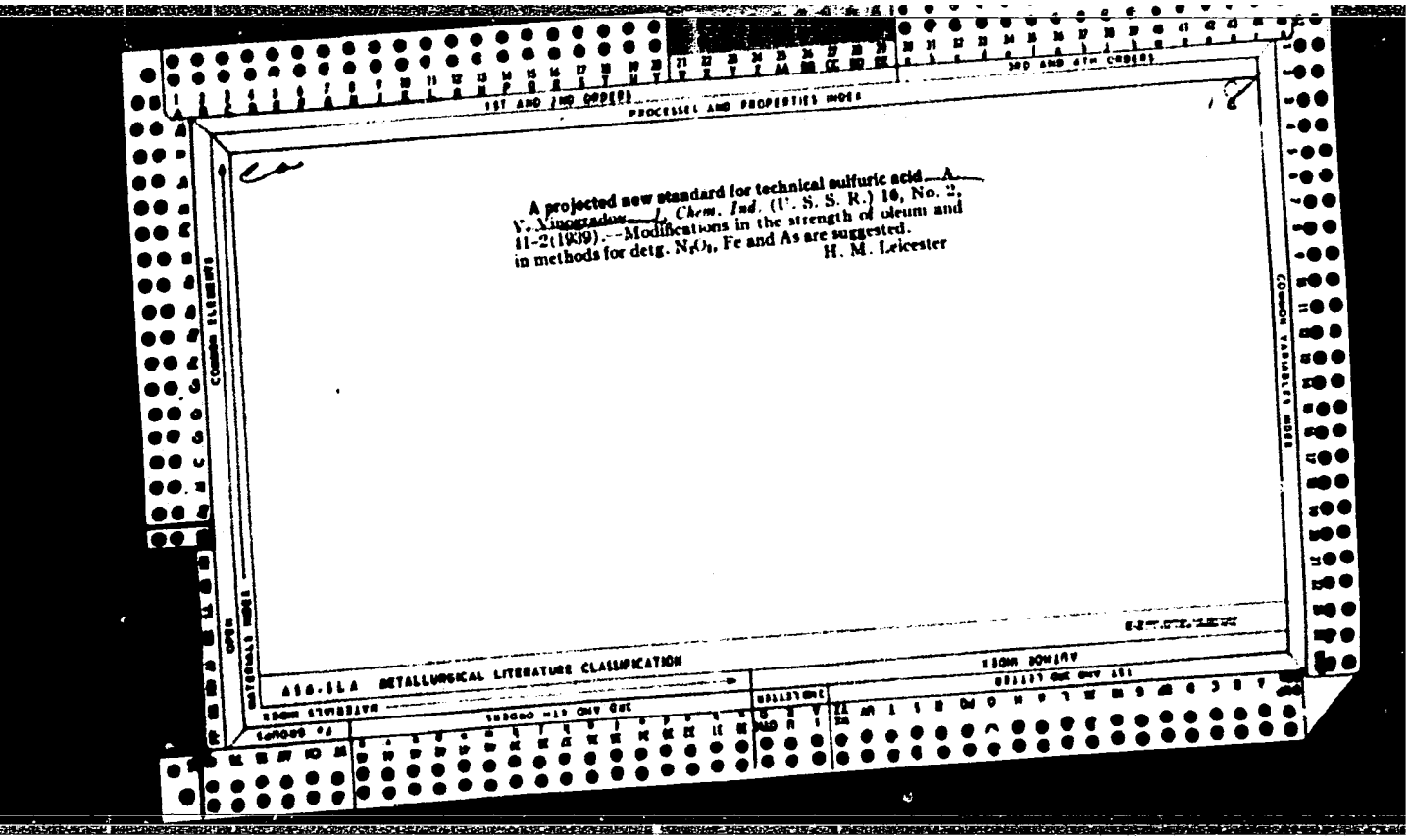


CA

7

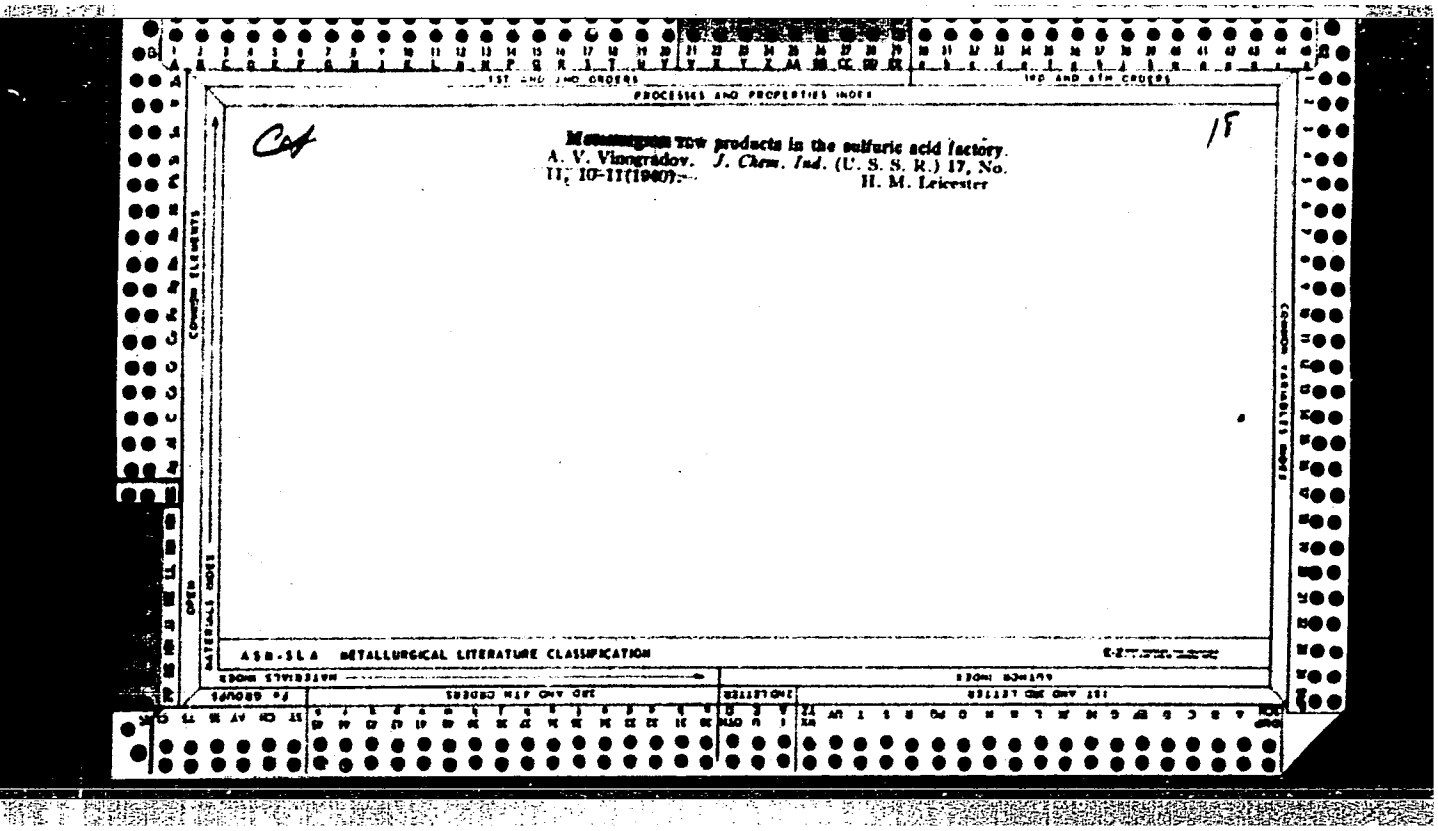
Colorimetric determination of bromide in the presence of chloride. A. V. Vinogradov. *Zavodskaya Lab.* 7, 426-9 (1938). In the detn. of bromide in natural brines by the modified method of Sweeney and Withrow (*C. A.* 11, 2313), use is made of $KBrO_3$ (cf. Berg, *C. A.* 31, 715) instead of Cl water for the displacement of Br from its salts. Since a slight excess of $KBrO_3$ causes a decompn. of the chlorides in the soln. with the separation of Cl and the decolorization of the Br soln. in CCl_4, the exact vol. of the standard $KBrO_3$ soln. required is detd. by a preliminary test. Use a soln. contg. a min. 200 mg./l. Br and 8 test tubes of an equal diam. Introduce into each tube 3 ml. of the soln., 0.3 ml. H_2SO_4 (d. 1.20), 3 ml. CCl_4 and 0.05 *N* $KBrO_3$ in gradually increasing amts. (in ml., 0.02, 0.01, 0.05 and higher). The exact $KBrO_3$ concn. required is indicated by the vol. used in the tube just preceding the tube showing the first signs of decolorization. To make the detn., use 5-fold vols. of the soln. and the reagents as above, shake and compare with a soln. contg. 15 ml. of satd. NaCl (to produce an equal turbidity of CCl_4) by titrating it with a standard KBr soln. (7.440 g. in a l.) to the equal color intensity.

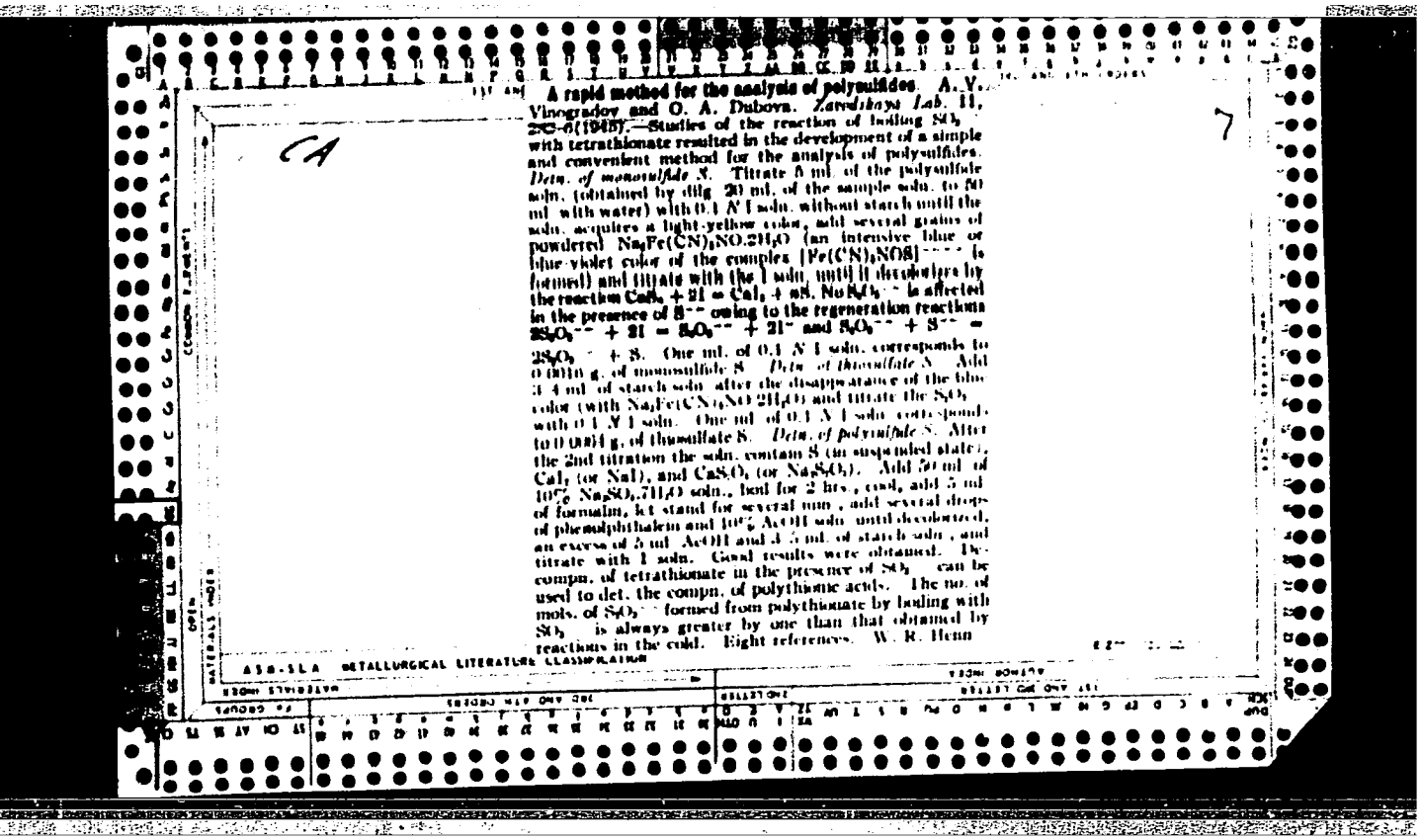
Chas. Blanc



A projected new standard for technical sulfuric acid.—A. V. Vinogradov. *J. Chem. Ind.* (U. S. S. R.) 16, No. 2, 11-2(1939).—Modifications in the strength of oleum and in methods for detg. N_2O_3, Fe and As are suggested.
H. M. Leicester

A10-61A METALLURGICAL LITERATURE CLASSIFICATION





CA

7

A rapid method for the analysis of polysulfides. A. V. Vinogradov and O. A. Dubova. *Zavodskaya Lab.* 11, 276-9 (1945).—Studies of the reaction of boiling SO_3^{--} with tetrathionate resulted in the development of a simple and convenient method for the analysis of polysulfides. *Detn. of monosulfide S.* Titrate 5 ml. of the polysulfide soln. (obtained by dilg. 20 ml. of the sample soln. to 50 ml. with water) with 0.1 *N* I soln. without starch until the soln. acquires a light-yellow color, add several grains of powdered $Na_2Fe(CN)_5NO.2H_2O$ (an intensive blue or blue-violet color of the complex $[Fe(CN)_5NOS]^{----}$ is formed) and titrate with the I soln. until it decolorizes by the reaction $CaS_5 + 2I = CaI_2 + 4S$. $Na_2S_2O_3$ is affected in the presence of S^{--} owing to the regeneration reactions $2S_2O_3^{--} + 2I = S_4O_6^{--} + 2I^-$ and $S_4O_6^{--} + S^{--} = 2S_2O_3^{--} + 3S$. One ml. of 0.1 *N* I soln. corresponds to 0.0160 g. of monosulfide S. *Detn. of thiosulfate S.* Add 3-4 ml. of starch soln. after the disappearance of the blue color (with $Na_2Fe(CN)_5NO.2H_2O$) and titrate the SO_3^{--} with 0.1 *N* I soln. One ml. of 0.1 *N* I soln. corresponds to 0.0081 g. of thiosulfate S. *Detn. of polysulfide S.* After the 2nd titration the soln. contains S (in suspended state), CaI_2 (or NaI), and $CaSO_3$ (or Na_2SO_3). Add 50 ml. of 10% $Na_2SO_3.7H_2O$ soln., boil for 2 hrs., cool, add 5 ml. of formalin, let stand for several min., add several drops of phenolphthalein and 10% AcOH soln. until decolorized, an excess of 5 ml. AcOH and 4-5 ml. of starch soln., and titrate with I soln. Good results were obtained. Decompn. of tetrathionate in the presence of SO_3^{--} can be used to det. the compn. of polythionic acids. The no. of mols. of $S_2O_3^{--}$ formed from polythionate by boiling with SO_3^{--} is always greater by one than that obtained by reactions in the cold. Eight references. W. R. Henn

VINOGRADOV, A. V.

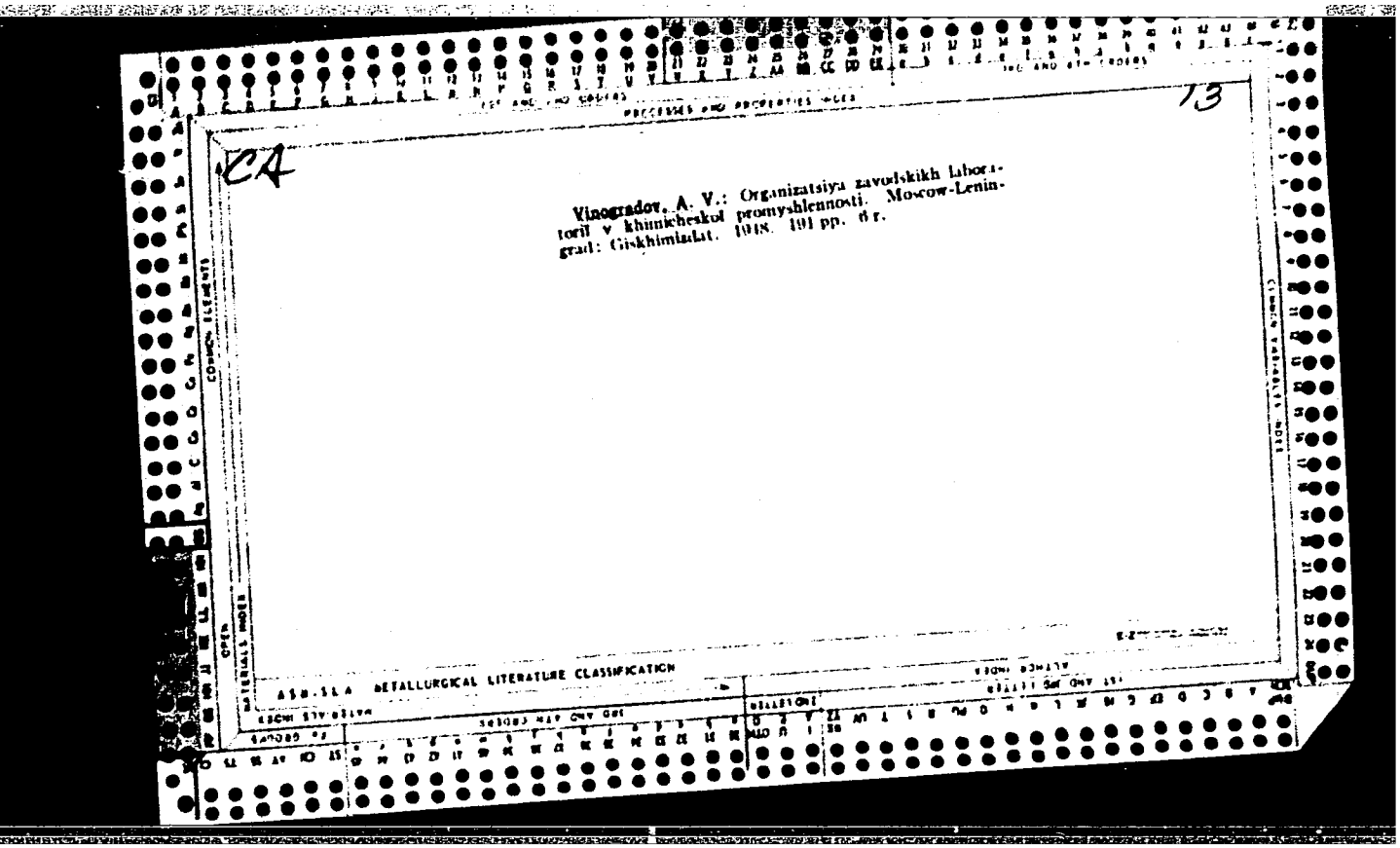
USSR/Chemistry 1947
Mineral Deposits - Borates

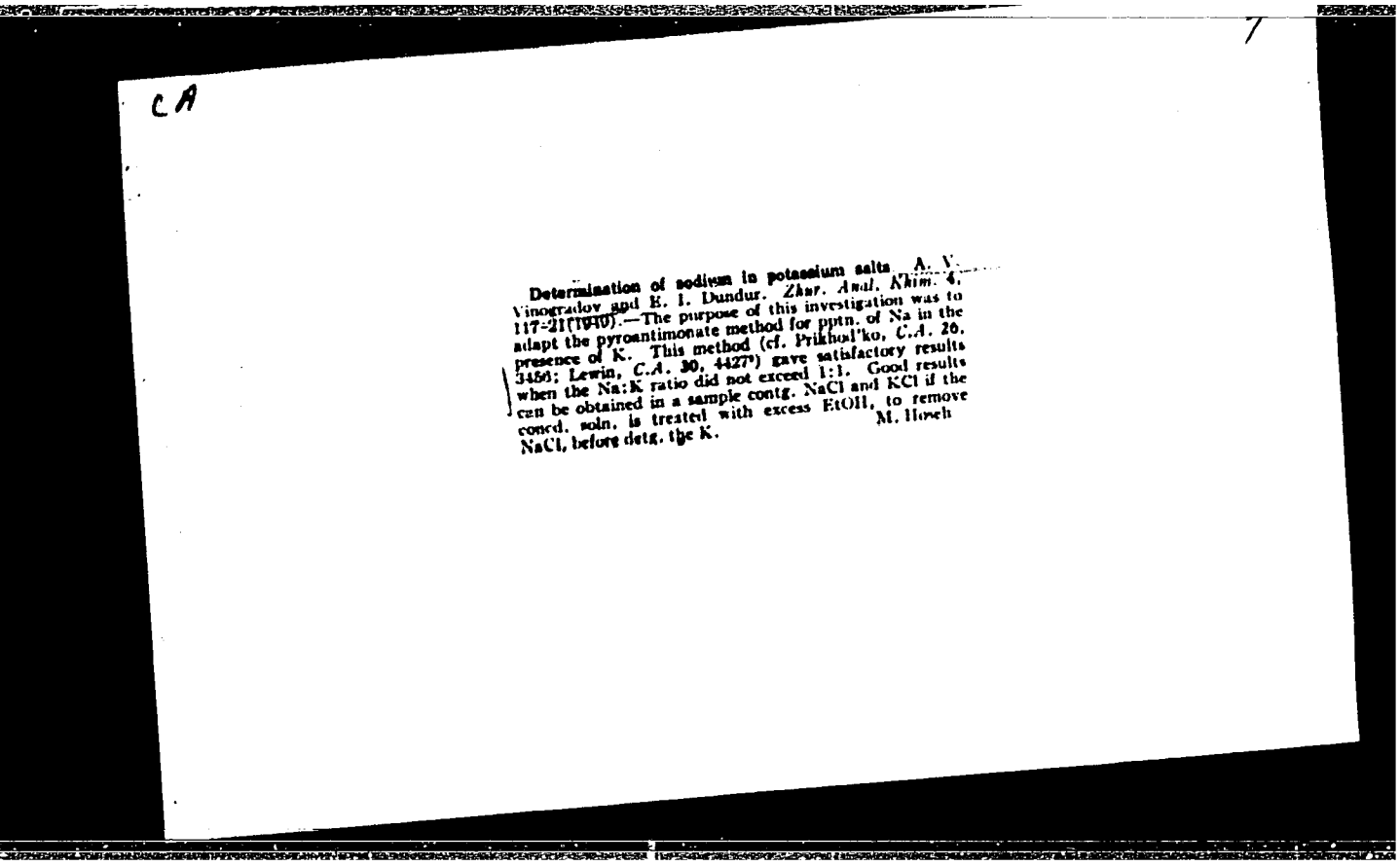
"On Physico-chemical Investigations of Indersky Borates," by A. V. Nikolaev, A. V. Vinogradov, 1 p

"Izv Akad Nauk USSR Ser Geol" No 2

The physical and chemical system of generation of Inder Borates and certain properties of boric acid compounds. Summary of a report.

PA 1T116





CA

Determination of sodium in potassium salts. A. V. Vinogradov and E. I. Dundur. *Zhur. Anal. Khim.* 4, 117-21(1949).—The purpose of this investigation was to adapt the pyroantimonate method for pptn. of Na in the presence of K. This method (cf. Prikhod'ko, *C.A.* 26, 3456; Lewin, *C.A.* 30, 4427[9]) gave satisfactory results when the Na:K ratio did not exceed 1:1. Good results can be obtained in a sample contg. NaCl and KCl if the concd. soln. is treated with excess EtOH, to remove NaCl, before detg. the K. M. Hoseh

VINOGRADOV, A.V.

89-8-7/26

AUTHOR VINOGRADOV, A.V.; SHPINEL', V.S.

TITLE The Phosphate-Oxyquinoline Separation Method and the Volumetric Determination of Zirconium.
(Fosfatno-oksikhinolinovyy metod otdeleniya i obyemnogo opredeleniya tsirkoniya -Russian)

PERIODICAL Atomnaya Energiya, 1957, Vol 3, Nr 8, pp 130-134 (U.S.S.R.)

ABSTRACT THE newly developed method is based upon the well-known phosphate method for the separation of zirconium and the determination of zirconium as oxichynalate. It is explained forthe first time how zirconium oxichynalate is separated from ah oxalate-containing solution after the phosphate precipitation was dissolved in oxalic acid. The conditions are given for the separation of zirconium of titanium and thorium form the phosphate precipitation and of niobium and tantalium from the oxichynalate precipitation. By means of this method it is possible to determine small quantities of zirconium (2-5 mg) with an accuracy of up to ± 2-4%. The following results show the advantages offered by this method:

	Weighed-in Zx quantity:	Determined Zx quantity:
Separation of zirconium from oxalate-containing solution	3,44 mg	3,42 mg
Separation of zirconium as phosphate with following transformation into oxichylate	1,72 mg	1,71 mg

Card 1/2

The Phosphate-Oxyquinoline Separation Method and the Volumetric Determination of Zirconium. 89-8-7/26

Separation of zirconium as phosphate and oxichynolate	0,39 mg	0,32 mg
Determination of zirconium in the presence of 5,0-20 mg titanium	3,44 mg	3,42 mg
Determination of zirconium in the presence of 40,0 mg ThO_2	3,44 mg	3,42 mg
Determination of zirconium in the presence of 25 mg Ta	2,88 mg	2,86 mg
Determination of zirconium in the presence of 8,74 mg-17,48 mg Nb	2,88 mg	2,90 mg

(7 tables and 3 Slavic references)

ASSOCIATION Not Given.
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AVAILABLE Library of Congress.
Card 2/2

5(2)
AUTHORS: Vinogradov, A. V., Yevseyeva, T. I. SOV/32-25-5-8/56

TITLE: Accelerated Determination of Molybdenum in Molybdenum Concentrates (Uskorennyy metod opredeleniya molibdena v molibdenovykh kontsentratakh)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, pp 550-552 (USSR)

ABSTRACT: A new method was devised, which is based on the separation of molybdenum as oxyquinolate (I) and on its gravimetric determination. In the paper (Ref 4) it was pointed out that a quantitative separation of molybdenum from uranium may take place by a precipitation of Mo as (I) from 0.25 - 0.5 % sulphuric acid - acid medium. Since this possibility had hitherto practically not been exploited, the authors of the paper under review investigated the solubility and extractability of (I) with chloroform in dependence of pH and an excess of precipitant. A quantitative precipitation of (I) may take place from 0.1 n sulphuric acid, in which case only tungsten and small quantities of vanadium are co-precipitated, while an iron precipitation may be prevented by an addition of "complexon". Thus, a prior separation of Fe and other elements can be avoided. The method suggested

Card 1/2

Accelerated Determination of Molybdenum in Molybdenum Concentrates SOV/32-25-5-8/56

was tested on a concentration preliminarily annealed according to GOST 2082-51, and analytical results (Mo 47.88 - 47,61%, Mo 47.78 - 47.20% respectively) with limits of the absolute error of up to ± 0.09 %, or ± 0.13%, were obtained. Molybdenum determinations in the presence of tungsten were made under addition of oxalic acid, in which tungsten oxyquinolate dissolves (Table). In this way, 46.49% Mo were determined in a molybdenum concentration with a content of 46.44% Mo and 1.04% W (according to Gintsvetmet). A course of analysis is described as well as the coefficient for the determination for Mo. The method allows 10 analyses in 8 hours. There are 1 table and 5 references, 2 of which are Soviet.

Card 2/2

VINOGRADOV, A.V.; SHPINEL', V.S.

Determination of zirconium in the presence of niobium and tantalum by the phosphate and hydroxyquinoline methods. Zav. lab. 25 no.9:1067-1068 '59. (MIRA 13:1)
(Zirconium--Analysis)

VINOGRADOV, A.V.; VOROB'YEVA, A.I.; KARPOVA, G.L.; [illegible], T.D.

Changes in hemodynamics in myocardial infarction. Kardiologiia 2 no.6:37-42 N-D'62. (MIRA 17:8)

1. Iz Instituta terapii (dir. - deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov) AMN SSSR.

VINOGRADOV, A.V.; PAVLOVA, I.V.

Interaction of oxalate complexes of niobium and tantalum with hexomminocobalt chloride. Zhur.neorg.khim. 10 no.2807-2811 D '65.

(MIRA 19:1)

L 31520-66 EWT(1)

ACC NR: AP6008821 SOURCE CODE: UR/0294/66/004/001/0003/0011

AUTHOR: Vinogradov, A. V.; Poluektov, I. A.

29
28
B

ORG: Physics Institute im. P. N. Lebedev, Academy of Sciences SSSR (Fizicheskiy institut Akademii nauk SSSR)

TITLE: The excitation of atoms by neutral particles

SOURCE: Teplofizika vysokikh temperatur, v. 4, no. 1, 1966, 3-11

TOPIC TAGS: particle collision, collision cross section, neutron, excitation cross section, inelastic collision, heavy particle

ABSTRACT: There is now very little experimental information available on the effective cross sections of the excitation of atoms colliding with heavy particles (other atoms, ions, molecules) in the relatively low energy region. Theoretical calculations, usually performed by the Born method (first approximation in perturbation theory), are valid only for certain energy levels. It is, therefore, necessary to perform calculations beyond the first approximation in perturbation theory. This problem has been investigated by L. Vaynshteyn, L. Presnyakov, and I. Sobel'man (Zh. eksperim. teor. fiz., 43, 518, 1962) for the quasi-classical description of collisions. The method used is employed by the present authors for the calculation of cross sections of inelastic collisions between heavy particles. A method is proposed for the construction of an approximate matrix element of transition, which

Card 1/2 UDC 539.186.3.539.196.2

retains the fundamental analytical properties of the precise method. A calculation is performed for the effective cross sections of excitation of hydrogen atoms during their collision with nitrogen molecules and hydrogen atoms. The results are in good agreement with experimental data. In conclusion, the authors express their gratitude to I. I. Sobel'man for a useful discussion. Orig. art. has: 3 figures and 30 formulas.

SUB CODE: 20 / SUBM DATE: 21Sep64 / ORIG REF: 005 / OTH REF: 004

VINOGRADOV, A.V.; DRONOVA, M.I.

Determination of small amounts of tungsten in molybdenum and its compounds. Zhur. anal. khim. 20 no.3:343-346 '65. (MIRA 18:5)

VINOGRADOV, A.V.; KARPOVA, G.D.; TSIBEKHER, T.D.

Hemodynamic indices in healthy persons of various ages. Kardiologiia 5 no.2:66-70 Mr-Ap '65. (MIRA 18:7)

1. Institut terapii (direktor - deystvitel'nyy chlen AMN SSSR prof. A.L.Myasnikov) AMN SSSR, Moskva.

VINOGRADOV, A.V.

Control of rail track circuits. Put' i put. khoz. 9 no.2:31 '65. (MIRA 18:7)

1. Nachal'nik Byuro po ratsionalizatsii i izobretatel'stvu L'vovskogo otdeleniya dorogi.

DETKOV, S.P., dotsent; VINOGRADOV, A.V., inzh.

Generalized angular coefficients for bands of a slot channel containing an absorbing medium. Izv. vys. ucheb. zav.; energ. 7 no.10:105-109 O '64. (MIRA 17:12)

1. Ural'skiy elektromekhanicheskiy institut inzhenerov zheleznodorozhnogo transporta (for Detkov). 2. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova (for Vinogradov). Predstavlena kafedroy fiziki Ural'skogo elektromekhanicheskogo instituta inzhenerov zheleznodorozhnogo transporta.

ACCESSION NR: AP5009659

AUTHOR: Vinogradov, A.V.; [illegible]

TITLE: Determination of small amounts of tungsten in molybdenum and its compounds

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 3, 1965, 343-346

TOPIC TAGS: tungsten determination, molybdenum analysis, quantitative analysis, molybdenum reduction, hydrazine, ethylenediamine tetraacetic acid, hydroxyquinoline

ABSTRACT: After reviewing the methods of analysis for tungsten in molybdenum reported in the literature, the authors employed the method involving the reduction of molybdenum by hydrazine to the pentavalent state followed by the formation of a complex between Mo (V) and ethylenediaminetetraacetic acid (complexon III), a complex which [illegible] for tying up tungsten. [illegible] duration of a single analysis [illegible]

Card 1/2

L 42383-65

ACCESSION NR: AP5008689

analyses simultaneously. Orig. art. has: 2 tables.

ASSOCIATION: none

SUBMITTED: 21May62 ENCL: 00 SUB CODE: IC

NO REF SOV: 011 OTHER: 003

Card 2/2

L 41874-65 EWT(m)/EPF(n)-2/EWP(t)/EWP(b) Pu-4 IJP(c) JD/WW/JG S/ 23
ACCESSION NR AM5004022 BOOK EXPLOITATION

Markov, V. K.; Vernyy, YE. A.; Vinogradov, A. V.; YElinson, S. V.; Klygin, A. YE.; Moiseyev, I. V.

Uranium; methods of its detection (Uran; metody yego opredeleniya), 2d ed., rev. and enl., Moscow, Atomizdat, 1964, 502 p. illus., biblio., index., 2,300 copies printed.

TOPIC TAGS: uranium, analytical chemistry, uranium compound

PURPOSE AND COVERAGE: The book covers in detail the analytical chemistry of uranium. On the basis of an examination of the physical-chemical properties of the element and many of its compounds, precipitation, extraction, chromatographic and other methods of separating uranium are recommended. The book includes a detailed presentation of weight, volumetric, photometric, electrometric, and other methods of quantitative analysis of uranium in various materials. This edition is supplemented by a description of methods of determining additions in uranium and components and additions in alloys of uranium with other metals and in its various compounds. The book is intended for chemical engineers, researchers, and students specializing in the analytical chemistry of uranium.

Card 1/2

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ACCESSION NR AM5004022

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TABLE OF CONTENTS [abridged]:

SUBMITTED: 21Sep64 SUB CODE: GC
NO REF SOV: 470 OTHER: 602

Card 2/2 cc

MARKOV, V.K., doktor khim. nauk, prof.; VERNYY, Ye.A., kand. fiz.-mat. nauk; VINOGRADOV, A.V., kand. khim. nauk; YELINSON, S.V., kand. khim. nauk; KLYGIN, A.Ye., kand. khim. nauk; MOISEYEV, I.V., kand. khim. nauk; PANASENKOVA, Ye.I., red.; ALYAB'YEV, A.F., red.

[Uranium; methods for its determination] Uran; metody ego opredeleniia. Izd.2., ispr. i dop. Moskva, Atomizdat, 1964. 502 p. (MIRA 17:12)

VINOGRADOV, A.V.

Results of the public inspection of the introduction of new equipment at the Podol'sk refractory materials plant. Ogneupory 28 no.9:427 '63. (MIRA 16:10)

VINOGRADOV, A.V.; SHPINEL', V.S.

Determination of aluminum with hydroxyquinoline in the presence of large amounts of uranium. Zav.lab. 29 no.7:804 '63. (MIRA 16:8)

(Aluminum--Analysis) (Uranium--Analysis) (Quinolinol)

VINOGRADOV, A.V.; APIRINA, R.M.; CHERSTVENKOVA, Ye.P.

Carbonate complex of beryllium (III) with hexamminocobalt (III).
Zhur.neorg.khim. 8 no.9:2062-2064 S '63. (MIRA 16:10)

STRUCHKOV, V.I. (Moskva,1-y Truzhennikov per.,d.18,kv.37); VINOGRADOV, A.V.; SAKHAROV, V.A.; PANKRATOV, V.M.

New method of determining the minute volume of the heart. Grud. khir. 2 no.5:46-50 S-O '60. (MIRA 16:5)

1. Iz kafedry obshchey khirurgii lechebnogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(HEART--MEASUREMENT) (BLOOD VOLUME)

AZROVA, TS.S.; ARKHIPOV, A.P.; VINOGRADOV, A.V.; GRABOVSKIY, I.V.; GRISHINA, R.I.; DMITRIYEV, P.D.; DUBINSKIY, Ye.L.; ZABRODIN, B.V.; KOLOTIY, M.V.; KRASNOV, B.S.; KURDYUKOVA, N.V.; L'VOVA, Yu.M.; OBUKHOVA, A.V.; FOMIN, V.G.; MEDVEDEVA, M.A., tekhn. red.

[Album of drawings of TE3, TE7, TE2, TE1, TEM1, and TU2 diesel locomotives; electric apparatus] Al'bom chertezhei teplovozov TE3, TE7, TE2, TE1, TEM1 i TU2; elektricheskie apparaty. Moskva, Transzheldorizdat. Vol.2. 1963. 394p. (MIRA 16:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye lokomotivnogo khozyaystva.

(Diesel locomotives--Electric equipment)

KATALAYEV, A.A.; ABDULLAYEV, S.G., kand. sel'skokhoz. nauk;
VINOGRADOV, A.V., starshiy nauchnyy sotrudnik

Effectiveness of systematic preparations in orchards. Zashch. rast. ot vred. i bol. 7 no.10:27-28 O '62. (MIRA 16:6)

1. Kubinskiy plodovyy sovkhoz No. 12 i Azerbaydzhanskaya stantsiya Vsesoyuznogo instituta zashchity rasteniy. 2. Glavnyy agronom Kubinskogo plodovogo sovkhoza No. 12 (for Katalayev).
(Azerbaijan—Fruit—Diseases and pests)
(Insecticides)

VINOGRADOV, A. V.

Exclude cottonseed cakes from the means for controlling the bollworm. Zashch. rast. ot vred. i bol. 5 no.5:10-11 My '60. (MIRA 16:1)

1. Nachal'nik mezhrayonnogo otryada po bor'be s vreditelyami i boleznyami rasteniy, g. Geokchay.

(Azerbaijan—Cotton—Diseases and pests)
(Azerbaijan—Bollworm—Extermination)

VINOGRADOV, A.V.; DRONOVA, M.I.; KONOVIN, Yu.I.

Chemico-spectral method for the determination of impurities in alkaline metals. Zhur. anal. khim. 18 no.1:29-32 Ja '63. (MIRA 16:4)

(Alkali metals—Analysis)

VINOGRADOV, A.V. (Moskva)

Pathogenesis of acute circulatory insufficiency in myocardial infarct. Pat. fiziol. i eksp. terap. 6 no.1:15-21 Ja-F '62. (MIRA 15:3)

1. Iz gospital'noy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova i kafedry klinicheskoy i eksperimental'noy fiziologii (zav. - deystvitel'nyy chlen AMN SSSR prof. V.V. Parin) TSentral'nogo instituta usovershenstvovaniya vrachey.
(HEART--INFARCTION)
(BLOOD--CIRCULATION, DISORDERS OF)

VINOGRADOV, A.V.; APIRINA, R.M.

Gravimetric determination of uranium by its precipitation with hexammine cobaltinitrate. Zhur.anal.khim. 17 no.2:222-226 Mr-Ap '62. (MIRA 15:4)

(Uranium--Analysis) (Cobalt nitrates)

VINOGRADOV, A.V.; SHPINEL', V.S.

Composition and properties of zirconium hydroxyquinolinate obtained from an oxalate medium. Zhur.neorg.khim. 6 no.6:1338-1341 Je '61. (MIRA 14:11)

(Zirconium compounds) (Quinoline)

VINOGRADOV, A.V.; DMITRIYEVA, L.I.

Changes in cardiac output and general peripheral resistance following obstruction of the coronary artery. Biul. eksp. biol. i med. 50 no.7:27-33 Jl '60. (MIRA 14:5)

1. Iz gospital'noy terapevticheskoy kliniki (zav. - deystvitel'nyy chlen AMN SSSR A.L.Myasnikov) I Moskovskogo meditsinskogo instituta imeni I.M.Sechenova i kafedry klinicheskoy i eksperimental'noy fiziologii (zav. - deystvitel'nyy chlen AMN SSSR V.V.Parin) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.V.Parinym.

(HEART) (BLOOD PRESSURE)
(CORONARY VESSELS--DISEASES)

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AUTHORS: Vinogradov, A. V., and Apirina, R. M.

TITLE: Gravimetric determination of uranium by its precipitation with hexammine cobalt nitrate

PERIODICAL: Zhurnal analiticheskoy khimii, v. 17, no. 2, 1962, 222-226

TEXT: Născuțiu (Ref. 9: Tib. Născuțiu, Commun. Acad. RPR 7, 51-56 (1957); RZhKhim no. 17561 (1958)) suggested a method of determining uranium by its precipitation from pure uranyl nitrate and uranyl acetate solution in the form of $[UO_2(CO_3)_3(H_2O)_3] \cdot 2[Co(NH_3)_6]NO_3$. This method was applied to analyses of ores, ore concentrates, and alloys. The uranium was precipitated from an ammonium carbonate solution (pH 8), thus permitting ordinary bivalent, trivalent, and tetravalent metal ions, forming no solid carbonate complexes, to be kept in solution with Komplexon III. Beryllium, however, being co-precipitated, had to be kept in the solution by a fluoride addition. The addition of 2 g of ammonium carbonate, of 100 mg of ammonium chloride, and of 200 mg of ammonium sulfate per 10 mg of U did not disturb the determination. The disturbing effect of larger fluoride amounts

Card 1/3

(0.5 g of NH_4F) was eliminated by the addition of 1 g of $(NH_4)_2CO_3$ and 1-3 g of NH_4NO_3. Maximum amounts of 50 mg of Mo and 20 mg of W per 10 mg of U did not cause a disturbance. V^{5+}, reduced by boiling with Komplexon III, did not disturb even if present in large amounts, but larger amounts of phosphate did. The latter were therefore precipitated as zirconium phosphate after decomposition, and filtered off with silicic acid. Zirconium was masked by boiling with Komplexon III. Tin, niobium, and tantalum were kept in solution by tartaric acid. In the present of niobium and tantalum, however, the solution must not contain any fluoride. Titanium in small amounts did not disturb. Uranium ore, various concentrates, (uranium tetrafluoride) and uranium oxide were analyzed by the method under consideration and, for comparison, by various other methods (Ref. 16: V. K. Markov, A. V. Vinogradov, S. V. Yelinson, A. Ye. Klygin, I. V. Moiseyev, Uran, metody yego opredeleniya (Uranium, methods of its determination). Atomizdat, M., 1960, p. 74, 94, 126, 128, 130, 155, 158, 163, 191). Two samples of a uranium-beryllium alloy were analyzed. The present method is very well suited for uranium contents of 1-90%, and particularly of determination in uranium tetrafluoride, since fluorine does

not have to be removed. Its main advantages are said to be simplicity and rapidity (40-45 min). Yu. V. Karyakin, K. B. Yatsimirskiy, Ye. N. Roslyakova, Kuznetsov, Kukisheva, Oleznyuk, Volkov, and Sakharov are mentioned. There are 3 tables and 21 references: 11 Soviet and 10 non-Soviet. The four most recent references to English-language publications read as follows: I. A. Carter, C. W. Weber, U.S. At. Energy Comm. T. Y. D.-7516, 186 (1956); Apurba Kumar Sen Gupta, Sci. and Culture 25, 426 (1960); R. Cernătescu, M. Poni, M. Papafil, M. Bostan, C. A., 52, 19422 h (1958); T. Akiyama, T. Yabuuchi, C. A., 53, 8923 h (1959).

SUBMITTED: May 24, 1960

Card 3/3

VINOGRADOV, A.V.

Reports and elections of the committees of the Scientific Technical Department of the Ferrous Metal Industry. Ogneupory 26 no.3:152-153 '61. (MIRA 14:44)

(Refractory materials)

VINOGRADOV, A.V.

Follow-up on materials of a conference of readers of "Ogneupory."
Ogneupory 26 no. 2:100 '61. (MIRA 14:2)
(Refractory materials--Periodicals)

VINOGRADOV, A.V.; KUCHKEL', A.V.

[Air code of the U.S.S.R.; with comments and materials arranged by paragraphs] Vozdushnyi kodeks SSSR; s kommentariiami i postateino-sistematizirovannymi materialami. Moskva, Redaktsionno-izd.otdel Aeroflota, 1949. 219 p. (MIRA 14:4)
(Aeronautics--Laws and regulations)

MARKOV, V.K., doktor khim.nauk; VINOGRADOV, A.V.; YELINSON, S.V.; KLYGIN, A.Ye.; MOISEYEV, I.V.; PANASENKOVA, Ye.I., red.; MAZEL', Ye.I., tekhn.red.

[Uranium, and methods for its determination] Uran, metody ego opredeleniia. Pod red. V.K.Markova. Moskva, Izd-vo Gos.kom-ta Soveta Ministrov SSSR po ispol'zovaniiu atomnoi energii, 1960. 262 p. (MIRA 13:12)
(Uranium--Analysis)

VINOGRADOV, A.V.

Treatment of collapse in myocardial infarct. Terap.arkh. 31 no.10: 3-10 O '59. (MIRA 13:3)

1. Iz gospital'noy terapevticheskoy kliniki imeni A.A. Ostroumova (direktor - deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(MYOCARDIAL INFARCT compl.)

VINOGRADOV, A.V.

Diagnosis of internal ruptures of the heart. Kaz.med.zhur. 40 no.5:6-9 S-O '59. (MIRA 13:7)

1. Iz gospital'noy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR, prof. A.L. Myasnikov) I Moskovskogo ordena Lenina meditsinskogo instituta im. I.M. Sechenova.
(HEART--RUPTURE)

VINOGRADOV, A. V.

PHASE I BOOK EXPLOITATION SOV/5117

Markov, V. K., A. V. Vinogradov, S. V. Yelinson, A. Klygin, and I. V. Moiseyev

Uran, metody yego opredeleniya (Uranium, Methods of Detection) Moscow, Atomizdat, 1960. 262 p. Errata slip inserted. 6,000 copies printed.

Ed. (Title page): V. K. Markov, Doctor of Chemical Sciences; Ed.: Ye. I. Panasenkova; Tech. Ed.: Ye. I. Mazel'.

PURPOSE: This book is intended for technical personnel of the uranium industry.

COVERAGE: The book contains systematized material on the determination and separation of uranium. Chemical, luminescence, and radiometric methods for qualitative detection of uranium in various media are described in detail. The description of methods for the separation of uranium includes, among others, precipitation, extraction, and cation and anion exchange. The

Card 1/11

bulk of the material is on the determination of uranium by gravimetric, volumetric, photometric, electrometric, and radiometric methods. One chapter is devoted to the determination of uranium by the luminescence method. No personalities are mentioned. References accompany each of the chapters.

TABLE OF CONTENTS:

VINOGRADOV, A.V.

In the scientific technological society of the ferrous metallurgy.
Ogneupory 25 no.10:483 '60. (MIRA 13:10)
(Germany, East--Refractories industry)

VINOGRADOV, Aleksey Viktorovich; FRIDMAN, A.M., red.

[Acute circulatory insufficiency in myocardial infarct] Ostraia nedostatochnost' krovoobrashcheniia pri infarkte miokarda. Leningrad, Meditsina, 1965. 188 p.
(MIRA 18:9)

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C 111/ C 333

AUTHOR: Vinogradov, A.

TITLE: Generalization of Erdös' Lemma

PERIODICAL: Vestnik Leningradskogo universiteta, Seriya matematiki, mekhaniki i astronomii, 1960, Vol.19, No.4, pp.124-126

TEXT: Let d and r be integers, $(d, r) = 1$ and $d \cdot r \leqq 0$, $1 \cdot n$. Let each prime divisor of Q_1 and Q_2 be greater than n^{α}. The number of the solutions of $n = d \cdot Q_1 + r \cdot Q_2$ is to be estimated. Let

$$S = \sum_{\substack{n=d\cdot Q_1+r\cdot Q_2 \\ (d,r)=1,(d,n)=1,(r,n)=1}} 1 \quad .$$

Under these assumptions it holds the lemma: It holds the estimation

$$S < c \cdot \frac{n}{r\cdot d}\left(\frac{1}{\ln^2 \frac{n}{rd}} + \frac{1}{(\alpha \ln n)^2}\right) \cdot \ln\ln^2 n \cdot \ln\ln^2 \frac{n}{rd} \quad .$$

For the proof the author uses the method of A. Selberg.

Card 1/1

GENIN, M.Ya.,inzh.; KHOTKEVICH, S.G., inzh.; ADAMOV, O.V., inzh., retsenzent; VINOGRADOV, A.Ya., inzh., retsenzent; BELOUSOV, V.V., inzh., nauchnyy red.; NIKEMYAGI, D.K., red.izd-va; MEDVEDEV, L.Ya., tekhn.red.; STEPANOVA, E.S., tekhn.red.

[Machine tools and mechanisms used in sanitary engineering] Stanki i mekhanizmy dlia proizvodstva sanitarno-tekhnicheskikh rabot. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 179 p. (MIRA 13:6)
(Sanitary engineering--Equipment and supplies)

ZHURAVLEV, Boris Alekseyevich; LISITSYN, Sergey Nikolayevich; VINOGRADOV, A.Ya., nauchnyy red.; PAKHOMOVA, M.A., red. izd-va; GILENSON, L.G., tekhn.red.

[Handbook for master plumbers] Spravochnik mastera-santekhnika. Izd.2., perer. Moskva, Gos.izd-ve lit-ry po stroit., arkhit. i stroit.materialam, 1959. 328 p. (MIRA 12:7)
(Plumbing--Handbooks, manuals, etc.)

VINOGRADOV, A. YE. and TYURENNOV, S. N.

"Geomorphological Classification of Peat Deposits"
Tr. Mosk. Torf. In-ta, No 2, 3-51, 1953

As shown by the authors, coordination of the various types of peat deposits with definite elements of the relief testifies to the important role of geomorphological factors figuring in their formation and development. The characteristics of 19 types of peat deposits are presented in tabular form. The authors note that bottomland deposits are particularly widespread in the region of the Dnepr and Don tongues of the Dnepr glaciation. (RZhGeol, No 3, 1954)

SO: W-31187, 8 Mar 55

18640

VINOGRADOV, B.

USSR/Automobile Production 4403.0100 Feb 1948

"At the First Belorussian Automobile Plant," B. Vinogradov, 2 pp

"V Pomoshch FZMK" Vol IX, No 3

First Belorussian automobile plant under construction 6 kilometers from Minsk. Some 118 million bricks, 126,000 cubic meters of concrete and 13,000 tons of metal needed for its construction. Plant to vating to exceed 840,000 cubic meters. Following temporary workbegin operations in 1949. shops built: foundry, forge, instrument shop, electric repair workshop, etc. In 1947, collective of Minsk auto plant fulfilled 135.8% of plan and cost.

18640

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USSR/Automobile Production 4403.0100 Feb 1948 (Contd)

of production declined 8% instead of planned 7.6%. Dump trucks MAZ-205 with automatic unloading platforms being produced. Plant awarded transferrable Red Banner of All-Union Central Soviet of Trade Unions and of Ministry of Tractor Industry of USSR.

18640

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VINOGRADOV, B.

The Bukhara - Ural Mountain Region line. Na stroi. Ros. 3 no.2:3 of cover F '62. (MIRA 16:2)

(Gas, Natural—Pipelines)

VINOGRADOV, B.

Reinforced concrete water-pressure pipes. Na stroi. Ros. 3 no.1: 3 of cover. Ja '62. (MIRA 16:5)
(Pipe, Concrete) (Water pipes)

VINOGRADOV, B.

International exhibition "Chemistry in industry, building, and agriculture." Strci. truboprov. 10 no. 11:30-33 N '65.
(MIRA 18:12)

FARFOROVSKIY, B.S.; PYATOV, Ya.N.; VINOGRADOV, B.A., inzh., nauchnyy red.; KAPLAN, M.Ya., red.izd-va; PUL'KINA, Ye.A., tekhn.red.

[Design of coolers for industrial water-supply systems] Proektirovanie okhladitelei dlia sistem proizvodstvennogo vodosnabzheniia. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 170 p. (MIRA 13:7)
(Water supply, Industrial) (Cooling)

VINOGRADOV, B.A., konstruktor

Crown-cutting machine. Put' i put.khoz. 9 no.5:37-38 '65.
(MIRA 18:5)

VINOGRADOV, B.A.; RIDIONOV, V.N.; SHEMYAKIN, Ye.I.

Scattering of a spherical volume of soil in a blast occurring in the symmetry center. PMTF no.3:36-42 S-O '61. (MIRA 14:8)
(Blasting) (Soil mechanics)

FARFOROVSKIY, B.S.; PYATOV, Ya.N.; VINOGRADOV, B.A., inzh., nauchnyy red.; KAPLAN, M.Ya., red.izd-va; PUL'KINA, Ye.A., tekhn.red.

[Design and planning of coolers for industrial water supply systems] Proektirovanie okhladitelei dlia sistem proizvodstvennogo vodosnabzheniia. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 170 p. (MIRA 13:5)
(Water supply, Industrial) (Water towers)

BELYKH, K.D., inzh.(g. Dneprodzerzhinsk); VINOGRADOV, B.A., tekhnik, (g. Dneprodzerzhinsk); CHEPELEV, P.M., inzh. (g. Dneprodzerzhinsk).

For a high quality of rails. Put' i put. khoz. no.2:24-25 F '59. (MIRA 12:3)

(Railroads--Rails)

VINOGRADOV, B.D.

Efforts to save on electric power. Tekst.prom.15 no.9:31-32 S '55.
(MLRA 8:11)

1. Starshiy inzhener otdela glavnogo mekhanika kineshemskoy fabriki "Krasnay vetka"
(Textile industry) (Electric machinery)

YABLOKOV, V.S.; VINOGRADOV, B.G.

Conference on the geology of the Moscow Coal Basin. Izv. AN SSSR Ser. geol. 20 no.2:154-156 Mr-Ap '55. (MIRA 8:4)
(Moscow Basin--Coal geology)

ARSENT'YEV, P.P.; VINOGRADOV, B.G.; FILIPPOV, S.I.

Viscosity and electric conductivity of iron-carbon melts with additions of manganese and silicon. Izv. vys. ucheb. zav.; chern. met. 6 no.3:11-19 '63. (MIRA 16:5)

1. Moskovskiy institut stali i splavov.
(Iron alloys—Testing) (Liquid metals—Testing)
(Electric conductivity)

VINOGRADOV, B.G.

ABRAMOV, S.K., kand.tekhn.nauk; AVERSHIN, S.G., prof., doktor tekhn.nauk; AMMOSOV, I.I., doktor geol.-min.nauk; ANDRIYEVSKIY, V.D., inzh.; ANTROPOV, A.N., inzh.; AF'ANAS'YEV, B.L., inzh.; BERGMAN, Ya.V., inzh.; BLOKHA, Ye.Ye., inzh.; BOGACHEVA, Ye.N., inzh.; BUKRINSKIY, V.A., kand.tekhn.nauk; VASIL'YEV, P.V., doktor geol.-min.nauk; VINOGRADOV, B.G., inzh.; GOLUBEV, S.A., inzh.; GORDIYENKO, P.D., inzh.; GUSEV, N.A., kand.tekhn.nauk; DOROKHIN, I.V., kand.geol.-min.nauk; KALMYKOV, G.S., inzh.; KASATOCHKIN, V.I., doktor khim.nauk; KOROLEV, I.V., inzh.; KOSTLIVTSEV, A.A., inzh.; KRATKOVSKIY, L.F., inzh.; KRASHENINNIKOV, G.F., prof. doktor geol.-min.nauk; KRIKUNOV, L.A., inzh.; LEVIT, D.Ye., inzh.; LISITSA, I.G., kand.tekhn.nauk; LUSHNIKOV, V.A., inzh.; MATVEYEV, A.K., dots., kand.geol.-min.nauk; MEPURISHVILI, G.Ye., inzh.; MIRONOV, K.V., inzh.; MOLCHANOV, I.I., inzh.; NAUMOVA, S.N., starshiy nauchnyy sotrudnik; NEKIPELOV, V.Ye., inzh., PAVLOV, F.F., doktor tekhn.nauk; PANYUKOV, P.N., doktor geol.-min.nauk; POPOV, V.S., inzh.; PYATLIN, M.P., kand.tekhn. nauk; RASHKOVSKIY, Ya.E., inzh.; ROMANOV, V.A., prof., doktor tekhn. nauk; RYZHOV, P.A., prof., doktor tekhn.nauk; SELYATITSKIY, G.A., inzh.; SPERANSKIY, M.A., inzh.; TERENT'YEV, Ye.V., inzh.; TITOV, N.G., doktor khim.nauk; GOKAREV, I.F., inzh.; TROYANSKIY, S.V., prof., doktor geol.-min.nauk; FEDOROV, B.D., dots., kand.tekhn.nauk; FEDOROV, V.S., inzh. [deceased]; KHOMENTOVSKIY, A.S., prof., doktor geol.-min.nauk; TROYANOVSKIY, S.V., otvetstvennyy red.; TERPIGOREV, A.M., red.; KRIKUNOV, L.A., red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.; AVERSHIN, S.G., red.; BURTSEV, M.P., red.; VASIL'YEV, P.V., red.; MOLCHANOV, I.I., red.; RYZHOV, P.A., red.; BALANDIN, V.V., inzh., red.; BLOKH, I.M., kand. tekhn.nauk, red.; BUKRINSKIY, V.A., kand.tekhn.nauk, red.; VOLKOV, K.Yu., inzh., red.; VOROB'YEV, A.A., inzh., red.; ZVONAREV, K.A., prof. doktor tekhn.nauk, red.

(Continued on next card)

ABRAMOV, S.K.-- (continued) Card 2.

ZDANOVICH, V.G., prof., doktor tekhn.nauk, red.; IVANOV, G.A., doktor geol.-min.nauk, red.; KARAVAYEV, N.M., red.; KOROTKOV, G.V., kand.geol.-min.nauk, red.; KOROTKOV, M.V., kand.tekhn.nauk, red.; MAKKAVEYEV, A.A., doktor geol.-min.nauk, red.; OMEL'CHENKO, A.N., kand.tekhn.nauk, red.; SEMDERZON, E.M., kand.geol.-min.nauk, red.; USHAKOV, I.N., dots., kand. tekhn.nauk, red.; YABLOKOV, V.S., kand.geol.-min.nauk, red.; KOROLEVA, T.I., red.izd-va; KACHALKINA, Z.I., red.izd-va; PROZOROVSKAYA, F.L., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Mining; an encyclopedia handbook] Gornoe delo; entsiklopedicheskii spravochnik. Glav. red. A.M.Terpigorev. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol.2. [Geology of coal deposits and surveying] Geologiia ugol'nykh mestorozhdenii i marksheiderskoe delo. Redkolegiia toma S.V.Troianskiy. 1957. 646 p. (MIRA 11:5)

1. Chlen-korrespondent AN SSSR (for Karavayev)
(Coal geology--Dictionaries)

VINOGRADOV, B.G.

Distribution of titanium minerals and zircon in the sediments of the Yasnaya Polyana suprahorison in the Moscow Basin. Sov.geol. 5 no.4:100-103 Ap '62. (MIRA 15:4)

1. Tul'skaya kompleksnaya geologorazvedochnaya ekspeditsiya. (Moscow Basin--Titanium) (Moscow Basin--Zircon)

AMMOSOV, I.I., red.; BURTSEV, D.N., red.; GORYUNOV, S.V., red.; GUSEV, A.I., red.; KOROTKOV, G.V., red.; KOTLUKOV, V.A., red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.; MOLCHANOV, I.I., red.; NEKIPELOV, V.Ye., red.; PONOMAREV, T.N., red.; POPOV, V.P., red.; PROKHOROV, S.P., red; SKROBOV, S.A., red.; TYZHNOV, A.V., red.; SHABAROV, N.V., red.; YAVORSKIY, V.I., red.; BOBRYSHEV, A.T., red. toma; VINOGRADOV, B.G., red. toma; VOLKOV, K.Yu., zam. red. toma; LUGOVOY, G.I., zam. red. toma; OGARKOV, V.S., red. toma; SIMONOV, A.V., red. toma; IZRAILEVA, G.A., red.izd-va; IVANOVA, A.G., tekhn. red.

[Geology of coal and combustible shale deposits in the U.S.S.R.]Geologiia mestorozhdenii uglia i goriuchikh slantsev SSSR. Glav.red.I.I.Ammosov i dr. Moskva, Gosgeoltekhizdat. Vol.2. [Moscow Basin and other coal deposits in central and eastern provinces of the European part of the U.S.S.R.]Podmoskovnyi bassein i drugie mestorozhdeniia uglia tsentral'nykh i vostochnykh oblastei Evropeiskoi chasti RSFSR. 1962. 569 p. maps. (MIRA 15:9)

1. Russia (1923- U.S.S.R.)Ministerstvo geologii i okhrany nedr.

(Coal geology)

VINOGRADOV, B.G.

Method used in the Moscow Basin for evaluating coal resources by geological blocks. Razv. i okh. nedr. 24 no.4:14-15 Ap '58. (MIRA 11:5)

1. Trest Mosbassuglegeologiya.
(Moscow Basin--Coal geology)

AUTHOR: Vinogradov, B.G., 132-58-4-3/17

TITLE: The Value of the Geologic Block Calculating Method for Determining Coal Reserves Under Conditions Found in the Podmoskov'ye Coal Fields (Znacheniye metoda podscheta zapasov uglya geologicheskimi blokami v usloviyakh Podmoskovnogo basseyna)

PERIODICAL: Razvedka i Okhrana Nedr, Nr 4, 1958, pp 14-15 (USSR)

ABSTRACT: In 1956, the geologic block calculation method for determining coal reserves was introduced into practice by the GKZ (Gosudarstvennaya kategorizatsiya zapasov) (The State Categorization of Mineral Resources). This method replaced the former Boldyrev method. It consists of dividing the reserves to be calculated into blocks, taking into consideration the magnitude and the quality of the coal contained therein and thereby calculating the coal reserves in each block separately.
There is 1 Soviet reference.

ASSOCIATION: Trest Mosbassuglegeologiya (Trust Mosbassuglegeologiya)

AVAILABLE: Library of Congress

Card 1/1 1. Coal reserves-Measurement

VINOGRADOV, B. G.

USSR/ Geology - Conferences

Card 1/1 Pub. 46 - 21/21

Authors : Yablokov, V. S. and Vinogradov, B. G.

Title : Conference on the geology of the coal basin near Moscow

Periodical : Izv. AN SSSR. Ser. geol. 20/2, 154 - 156, Mar-Apr 1955

Abstract : An account is given of a conference held in the City of Tula from 18 to 22 October, 1954, on the geology of the coal basis near Moscow. Twenty-nine reports were read and discussed.

Institution : .....

Submitted : November 9, 1954

VINOGRADOV, B. I.

VINOGRADOV, V. I.: "Investigation of the opearation of centrifugal (exhaust) fans for coal dust at dressing plants". Leningrad, 1955. Min Higher Education USSR. Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst. (Dissertations for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

VINOGRADOV, B.I.

Time for the application of nitrogen fertilizers to cotton on irrigated Sierozem soils. Izv. AN Uz.SSR. Ser. biol. nauk no. 3:59-64 '57. (MIRA 11:8)

(Cotton growing)
(Ammonium nitrate)

VINOGRADOV, B. I.

USSR/Technical Crops. Oil Plants. Sugar Plants. M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77743.

Author : Vinogradov, B.I.
Inst : AS UzbSSR.
Title : On Periods of Application of Nitrogen Fertilizer Under Cotton on Irrigation Serozem Soils.

Orig Pub: UzSSR Fanlar Akad. akhboroti. Bibl. fanlari ser. Izv. AN UzSSR. Ser. biol. n., 1957, No 3, 59-64.

Abstract: In 1951-1953, in the Institute of Agriculture AS UzSSR, vegetative and field experiments were conducted on the establishment of best periods of application of N_{aa} under cotton on average-clayey sierozem. The greatest effectiveness was noted with the application of 1/5-$\frac{1}{4}$ annual

Card : 1/2

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77743.

norm (N 80-159) in the phase of the 2-3 current leaves, and the rest in the phase of budding and the start of blossoming. The application of the part of the fertilizer under ploughland and even before sowing gave a lesser increase of harvest, owing to the heavy washout of the nitrates by atmospheric percipitation. On the other hand, later feeding (after blossoming) retarded the development of the plants, which also means a decrease of pre-frost and general cotton harvest. The advantages of nitrogen feeding in the phase of the 2-3 leaves resulted both on the basis on the application under ploughland of 9 t/ha of manure, and on a non-manure base. -- D. B. Vakhmistrov.

SMUSHKOVICH, B.L.; VINOGRADOV, B.I.

Machine for fatigue test of plastics. Plast. massy no.4[illegible] 1[illegible]5.
(MERA 13:6)

L 45468-65 EPA(s)/EPR/EWP(t)/EWA(h)

ACCESSION NR: AP5007528 S/0191/65/000/004/0070/0071

AUTHORS: Smushkovich, B. L.; Vinogradov, B. I.

TITLE: Machine for fatigue testing plastics

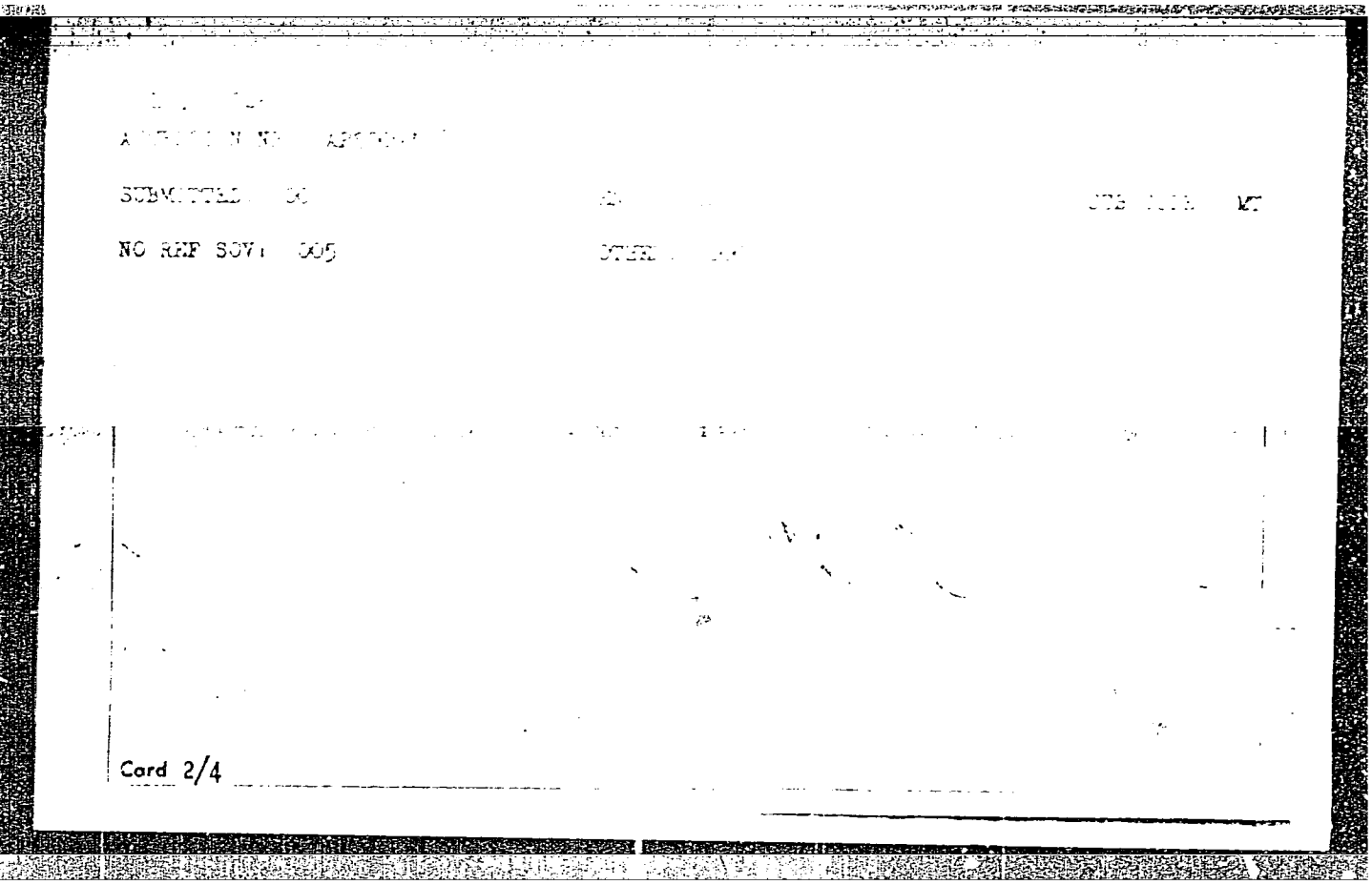
SOURCE: Plasticheskiye massy, no. 4, 1965, 70-71

TOPIC TAGS: plastic, plastic strength, plastic technology, material testing, fatigue testing/ IPR 5000 machine

ABSTRACT: Testing machine IPR-5000, designed for fatigue testing plastic materials, is described. The machine is capable of performing tests using cantilever or simple deflections. Machine construction is shown in Figs. 1 and 2 on the Enclosure. In the figures, [illegible] the specimen held by [illegible] of rotating spindles (simple deflection) or by clamps (cantilever deflection). The spindles rotate on headstocks 5 and 10 powered by the electric motor through the elastic clutch 1. Additional parts described are the frequency [illegible] 13 and 14, cycle counter 2, the loading system 11, 12, 15, counterweight 9, heater 3 [illegible], and optical adapter 16. A discussion of the measurements which can be made using the machine is presented. The authors thank A. V. Stepanov for his constant attention to their work. Orig. art. has: 2 figures and [illegible] equations.

ASSOCIATION: none

Card 1/4



Card 2/4

L 45466-65

ACCESSION NR: AP5006772

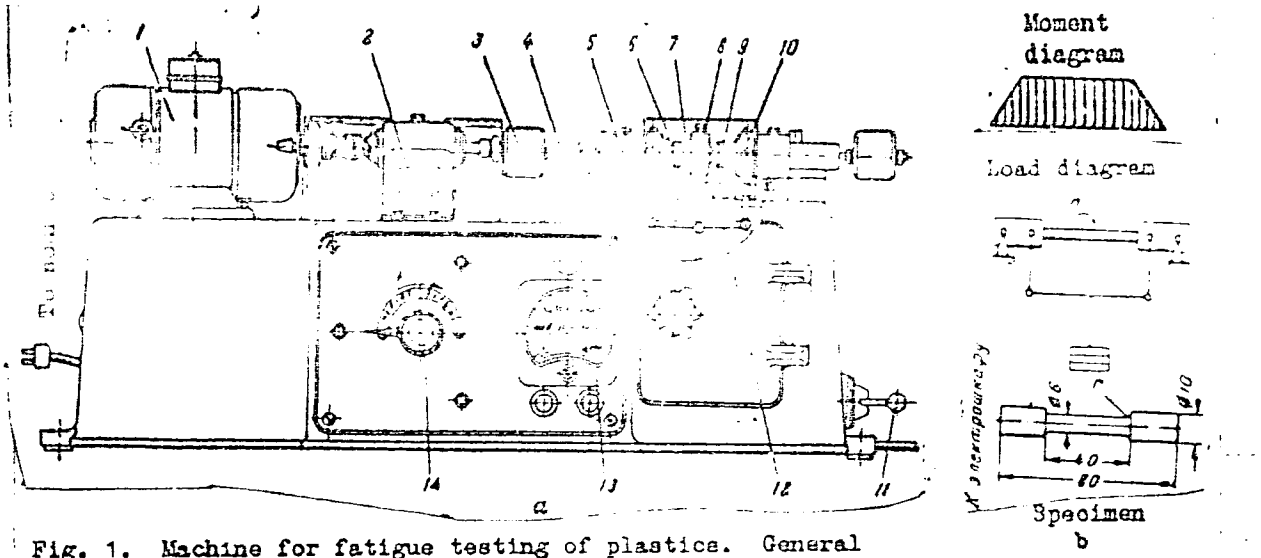


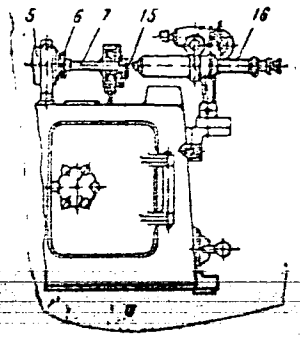
Fig. 1. Machine for fatigue testing of plastics. General view (a) and loading diagram (b) for simple deflection

Card 3/4

L 65456-65

ACCESSION NR: AP5009326

ENCLOSURE: 02



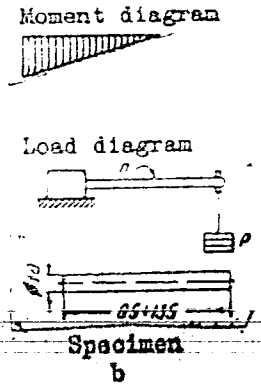


Fig. 2. General view of the machine with optical system (a) and loading diagram (b) for cantilever deflection

Card 4/4

VINOGRADOV, B.G.

Characteristics of rock fracturing in the region of the Shatskaia "Podzemgaz" gas producer plant. Nauch.trudy VNIIPodzemgaza no.13: 82-85 '63. (MIRA 17:5)

1. Tul'skaya kompleksnaya geologorazvedochnaya ekspeditsiya.

VINOGRADOV, B. I Dr.

Gryzuny Fauny SSSR (The Rodent Fauna of the USSR)

296 p. 2.00

SO: Four Continent Book List, April 1954

VINOGRADOV, B.N.

International Exhibition of Building and Road Machinery and Means for Mechanizing Building and Assembly. Stroi. truboprov. 9 no.10:36-39 O '64. (MIRA 18:7)